

Sewer Master Plan

August 2017



Prepared for
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LIST OF ABBREVIATIONS

ACP	Asbestos Cement Pipe
CCTV	Closed Circuit Television
CIP	Capital Improvement Program
CIPP	Cured-in-place Pipe
DS	Downstream
DU	Dwelling Unit
DWF	Dry Weather Flow
FAR	Floor Area Ratio
GIS	Geographic Information System
gpd	Gallons per Day
HDPE	High Density Polyethylene
LF	Lineal Feet
mgd	Million Gallons per Day
PDWF	Peak Dry Weather Flow
PVC	Polyvinyl Chloride
SCAG	Southern California Association of Governments
tsf	Thousand Square Foot
US	Upstream
VCP	Vitrified Clay Pipe



CHAPTER 1 INTRODUCTION AND STUDY AREA

This introductory chapter provides background information on the study vicinity, scope of the Sewer Master Plan (SMP), existing sewer collection system, existing land use, and population.

BACKGROUND AND SCOPE

Hermosa Beach (the City) is a city in the Los Angeles Basin in the southern portion of Los Angeles County. The City is bordered by Manhattan Beach to the north, Redondo Beach to the east and south, and the Pacific Ocean to the west. Figure 1-1 shows the vicinity map of the City.

The City's previous sewer master plan was completed in 2009 by MBF Consulting. Since then, several land development and capital improvement projects have been completed. Growth within the City is considered slow with population in the past twenty-five years changing from 18,219 in 1990 to 19,772 in 2015. Because of these changes in infrastructure and population, this updated SMP uses 2017 conditions as a basis for analysis and recommendations.

The study area boundary is coincident with the current Hermosa Beach city limits. The scope of the SMP evaluates all the City sewer structures that are within the city limits for hydraulic capacities, structural conditions and needed capital improvements. Existing and proposed structures are also evaluated under predicted 2040 flow conditions to ensure long-term solutions. Los Angeles County trunk sewers were not within the scope of this project and were not included in the SMP hydraulic model. The boundaries of the hydraulic model were set at the "outfalls", where wastewater flows leave the City collection system and enter into the Los Angeles County Sanitary District (LACSD) interceptor system.

EXISTING SANITARY SEWER COLLECTION SYSTEM

Figure 1-2 shows the City's existing sanitary sewer collection system. The City provides sewer service to residents and businesses within the city limits. The City owns, operates, and maintains a sanitary sewer collection system including approximately 37 miles of gravity sewers and approximately 880 manholes.

The entire city sewer system discharges to LACSD sewer trunk lines. The sewer network is comprised of a series of independent networks with outfalls from the Hermosa Beach sewers to the LACSD system. There is one city-owned lift station that directs flow up from the beachfront toward the nearest outfall to the LACSD system. In addition, three small beachfront restroom lift stations are located along the beach and lifts sewage to the nearest collection system pipeline.

Table 1-1 shows the sewer diameters and the associated lengths of the City's sewer collection system. As shown in Table 1-1, the majority of the City sewers are 8-inch pipes, making up almost 80 percent of the City sewers, followed by 6-inch and 10-inch sewers each representing 10.8 percent and 4.1 percent of the system respectively. The remaining diameters account for less than 6 percent of the system with the largest pipe size of 24 inches.

Table 1-2 shows pipe materials for the various sizes of pipes in the City system. The majority of the system is composed of vitrified clay pipes or non-reinforced concrete pipes. Polyvinyl chloride, polyethylene, cast iron, and asbestos cement make up a small fraction of the system. There are fourteen pipes in the sewer-pipe database that do not list a pipe material.



Figure 1-1: Vicinity Map



Figure 1-2: Existing Hermosa Beach Sewer System

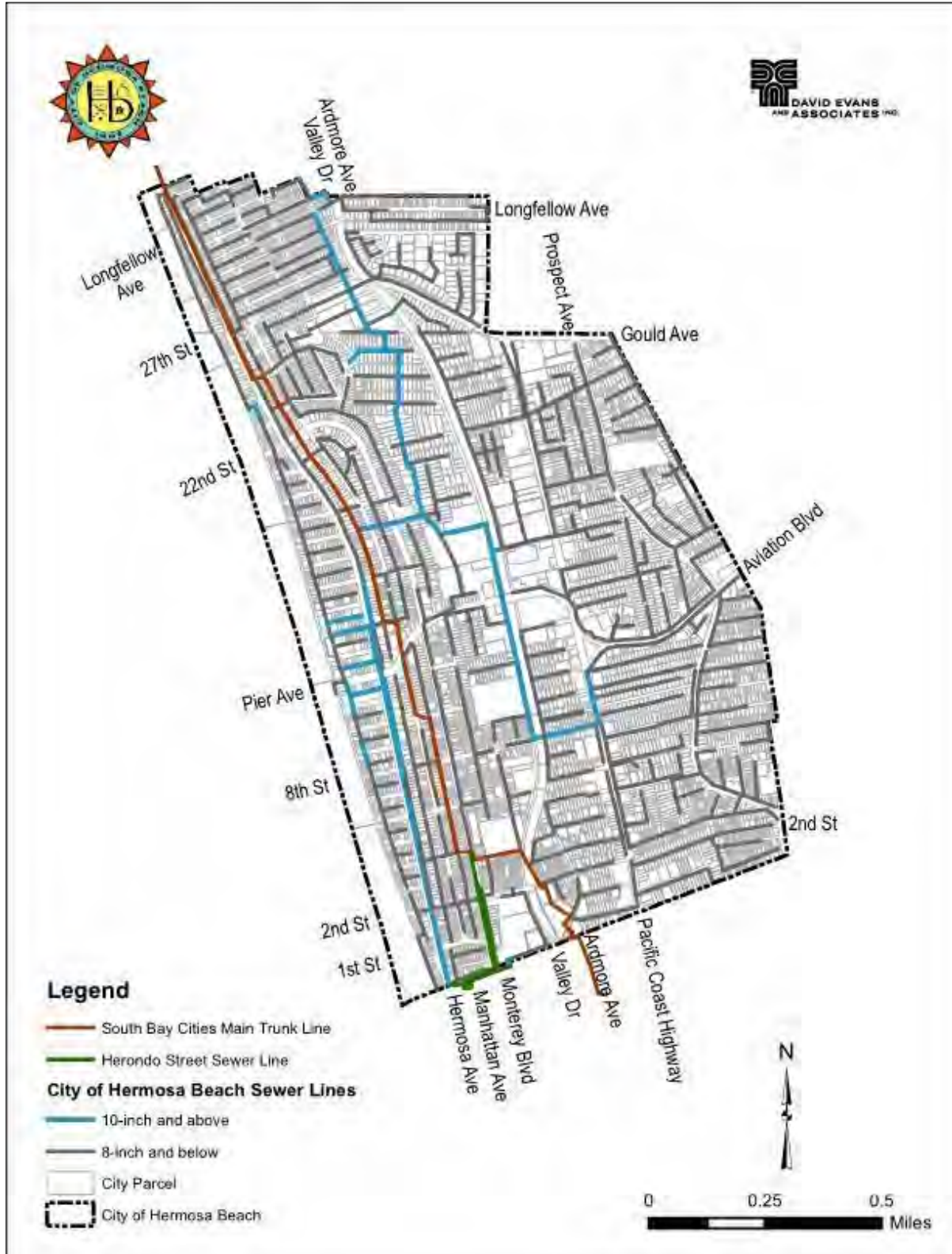


Table 1-1: Sewer Diameters and Lengths

Sewer Diameter (inch)	No. of Segments	Length (feet)	Length (mile)	% by Length
6	79	21,018	3.98	10.8%
8	720	155,088	29.37	79.5%
10	44	8,069	1.53	4.1%
12	11	2,102	0.40	1.1%
15	15	3,583	0.68	1.8%
18	6	1,478	0.28	0.8%
24	17	3,655	0.69	1.9%
Total	892	194,993	36.93	100%

Table 1-2: Number of Segments with Specific Pipe Material and Diameter

Sewer Diameter (inch)	Vitrified Clay Pipes (VCP)	Polyvinyl Chloride (PVC)	Poly-ethylene	Cast Iron Pipe (CIP)	Concrete Pipe (RCP)	Asbestos Cement	N/A ¹
6	62	1	-	-	14	-	2
8	372	3	4	4	325	1	11
10	31	-	-	-	13	-	-
12	1	4	5	-	1	-	-
15	12	-	-	-	3	-	-
18	3	2	-	-	1	-	-
24	16	-	-	-	-	-	1
Total	497	10	9	4	357	1	14

¹ The database does not list the material for these pipes.

EXISTING LAND USE

The existing land use data developed in the preparation of this Master Plan are based on the City's zoning provided by the City in GIS format. Table 1-3 provides a summary of the land use categories chosen for the analysis. The presented net acreages exclude streets and roads. Figure 1-3 presents the existing land use distribution throughout the City.

Among the existing developed parcels, residential land uses represent about 67 percent of the total area, zoned as High and Medium Density. The remaining land uses include 19 percent open space, 12 percent commercial, 1 percent light industrial, 1 percent mobile home park, and 1.9 acres institutional.

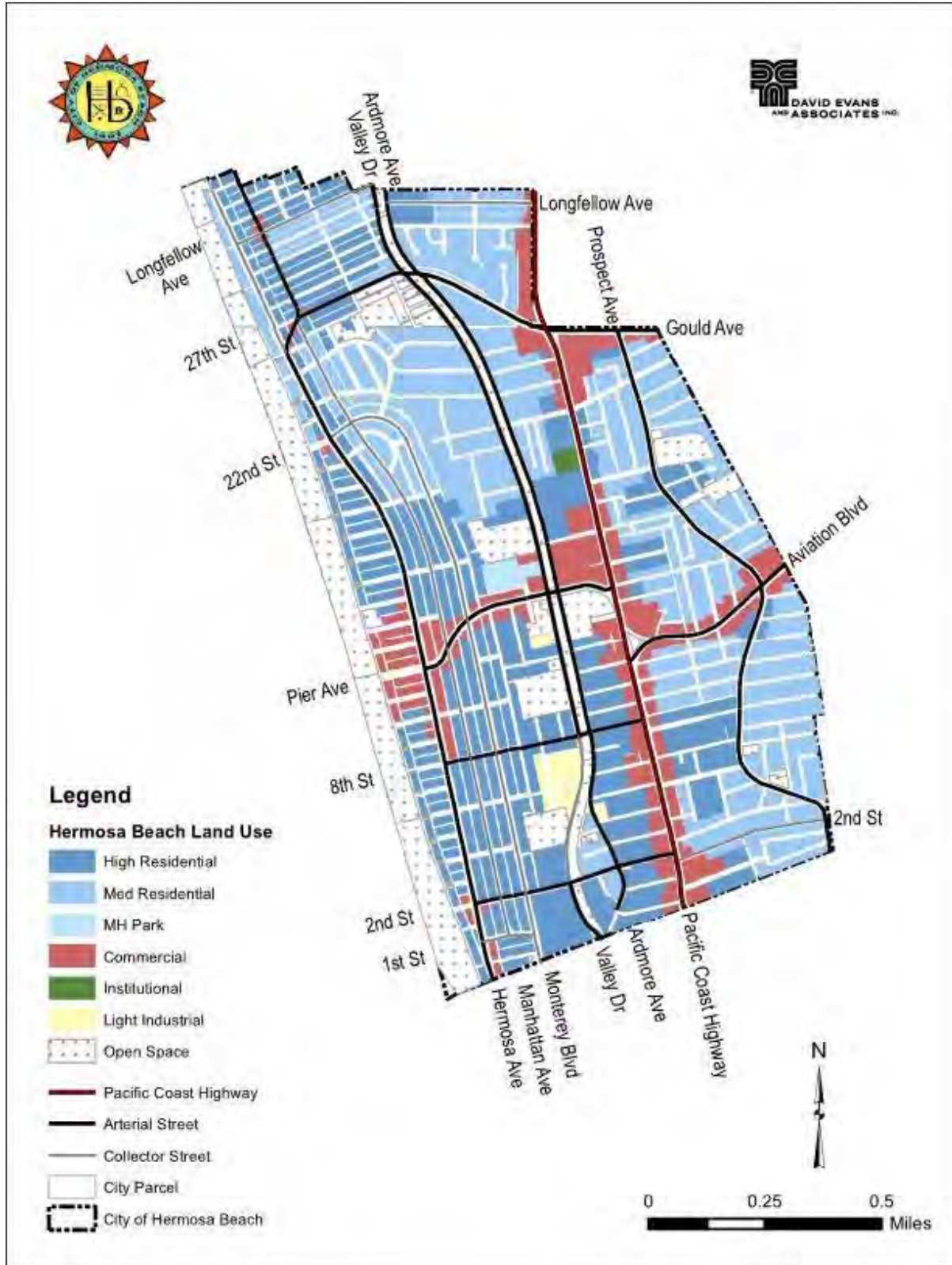


Table 1-3: Existing City Land Use Table

Land Use Category	Number of Parcels	Acreage	% of Total Acreage
High Density Residential	2515	214.5	32%
Medium Density Residential	2671	235.1	35%
Commercial	410	79.8	12%
Institutional	4	1.9	0%
Light Industrial	43	7.5	1%
Mobile Home Park	2	4.2	1%
Open Space	57	130.4	19%
Total	5702	673.6	100.0%



Figure 1-3: Existing City Land Use Map



POPULATION

Historical population and housing data was obtained from the California Department of Finance. As shown in Table 1-4 and on Figure 1-4, the City's population increased from 18,219 in 1990 to 18,453 in 2000, which was an average annual increase of 0.13 percent. The population increased further by 0.56 percent annually between 2000 and 2010. Since then, the City's population has been continuing a slow increase, and was 19,772 by January 2015.

Available housing increased at an annual rate of 0.15 percent between 1990 and 2000, and continued to increase at a slightly higher rate of 0.32 percent between 2000 and 2010. There were 10,110 dwelling units in the City as of January 2015, a slight decrease from previous years. The number of vacant dwelling units increased from 364 in 2000 (3.70 percent vacancy) to 609 (6.00 percent vacancy) by 2015. The number of people per occupied dwelling unit (population density) has remained roughly constant since 1990 at about 2.0.

Projected population and housing for the City through 2035 in 5-year increments was obtained from the Southern California Association of Governments (SCAG) Regional Transportation Plan that was adopted in 2012.

As shown in Table 1-4 and on Figure 1-4, the City's population is relatively constant with very slow growth. The SCAG data indicates that Hermosa Beach's population is projected to decrease to 19,600 by the year 2020 but return to a trend of slow growth through 2035. Housing is also projected to decrease by 1.24 percent (relative to 2015) to 9,500 dwelling units in 2020. This projected estimate seems low considering that the City's available housing has not been that low since before 1990. Based on past trends, it is reasonable to assume that available housing will remain roughly constant in the near future at around 10,100 dwelling units. Assuming that vacancy will remain at 6.00 percent, the City's population density would remain constant at 2.19 people per occupied dwelling unit through the year 2035.



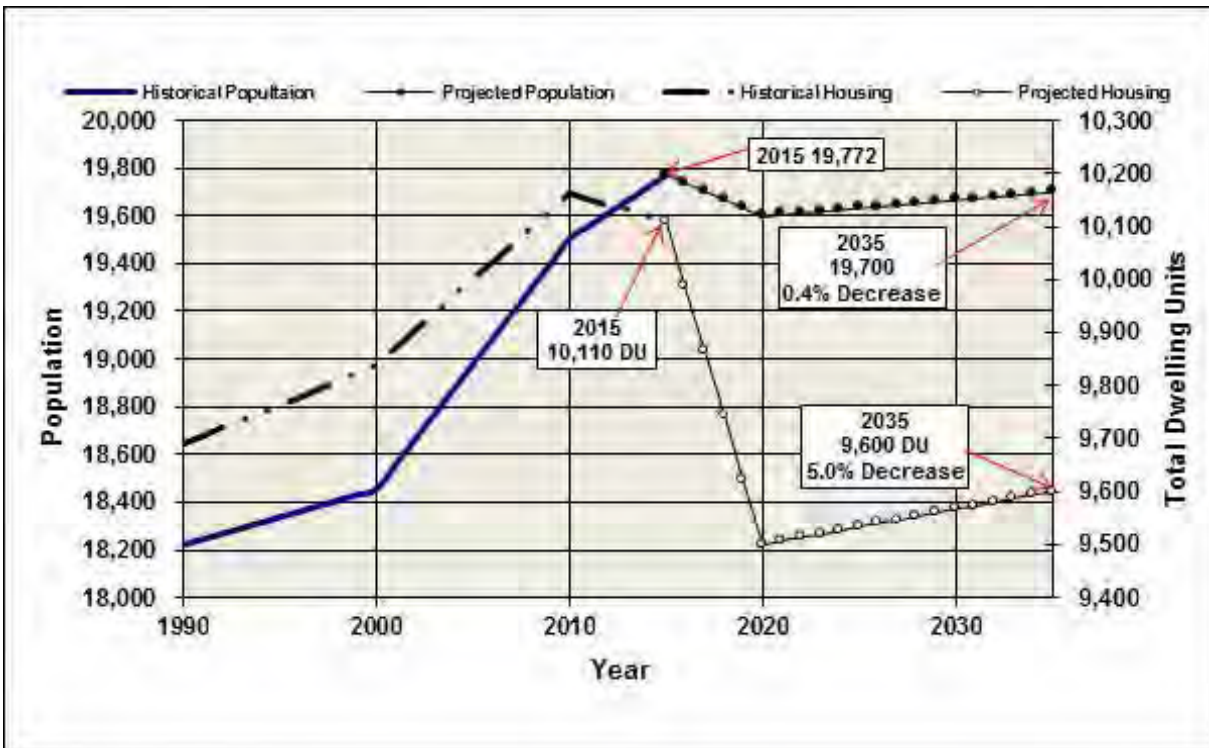
Table 1-4: Historical and Projected City Population and Housing (1990 - 2035)

	Historical City Population and Housing				Projected City Population and Housing			
	1990	2000	2010	2015	2020	2025	2030	2035
Population ^(a)	18,219	18,453	19,506	19,772	19,600	19,633	19,667	19,700
Annual % Increase	-	0.13%	0.56%	0.27%	-0.17%	0.03%	0.03%	0.03%
Total Dwelling Units	9,689	9,840	10,162	10,110	9,500	9,533	9,567	9,600
Annual % Increase	-	0.15%	0.32%	-0.10%	-1.24%	0.07%	0.07%	0.07%
Vacant Dwelling Units	517	364	612	609	504	505	507	509
% Vacant ^(b)	5.34%	3.70%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Population per Occupied Dwelling Unit	1.99	1.95	2.04	2.08	2.19	2.19	2.19	2.18

Notes:

- a) Non-household populations such as nursing homes, school dormitories, state and federal prisons, and military barracks are included in the total population.
- b) Vacant dwelling unit percentages for 2015 - 2035 were assumed equal to the 2010 vacancy percentage of 6.00%.

Figure 1-4 Historical and Projected Population and Housing



CHAPTER 2 EXISTING AND FUTURE WASTEWATER FLOWS

This chapter describes the development of existing and potential future wastewater flow estimates for the City's sanitary sewer collection system. The flow monitoring data along with other developed flow parameters provide the basis for the hydraulic model development and the subsequent capacity analysis.

FLOW ESTIMATING METHODOLOGY

Wastewater flows entering the City's sanitary sewer collection system were estimated for dry weather conditions based on the following processes:

1. Analyze measured flow data and determine representative diurnal curves for each site and the corresponding average daily flow rates for unit flow factors developed for hydraulic model calibration purposes;
2. Identify vacant parcels in GIS;
3. Develop and calibrate wastewater unit flow factors for dry weather flow conditions based on General Plan land uses, flow monitoring data and tributary areas;
4. Use the calibrated unit flow factors and other pertinent demographic and employment growth data to project potential 2040 wastewater flows

FLOW MONITORING PROGRAM AND DATA

Temporary sewer flow and rainfall monitoring were conducted at seven strategically selected locations to measure wastewater flows in the city sewer system for a four-week period from January 18, 2017 through February 17, 2017. Figure 2-1 shows the flow meter locations as well as the tributary areas monitored by each flow meter (meter basin). Table 2-1 summarizes the flow meters and tributary areas characteristics. Appendix A includes the flow monitoring report, which details site locations, flow meters used, and flow data for the entire monitoring period.

Dry weather flow conditions were evaluated in the hydraulic model (Chapters 3). Wet weather flow conditions are accounted for by designing sewers to carry peak dry weather flows at maximum sewer flow depth over diameter (d/D) ratios. The remainder of the pipe flow area is reserved to carry wet weather flows in addition to peak dry weather flows.



Figure 2-1: Temporary Flow Meter Locations

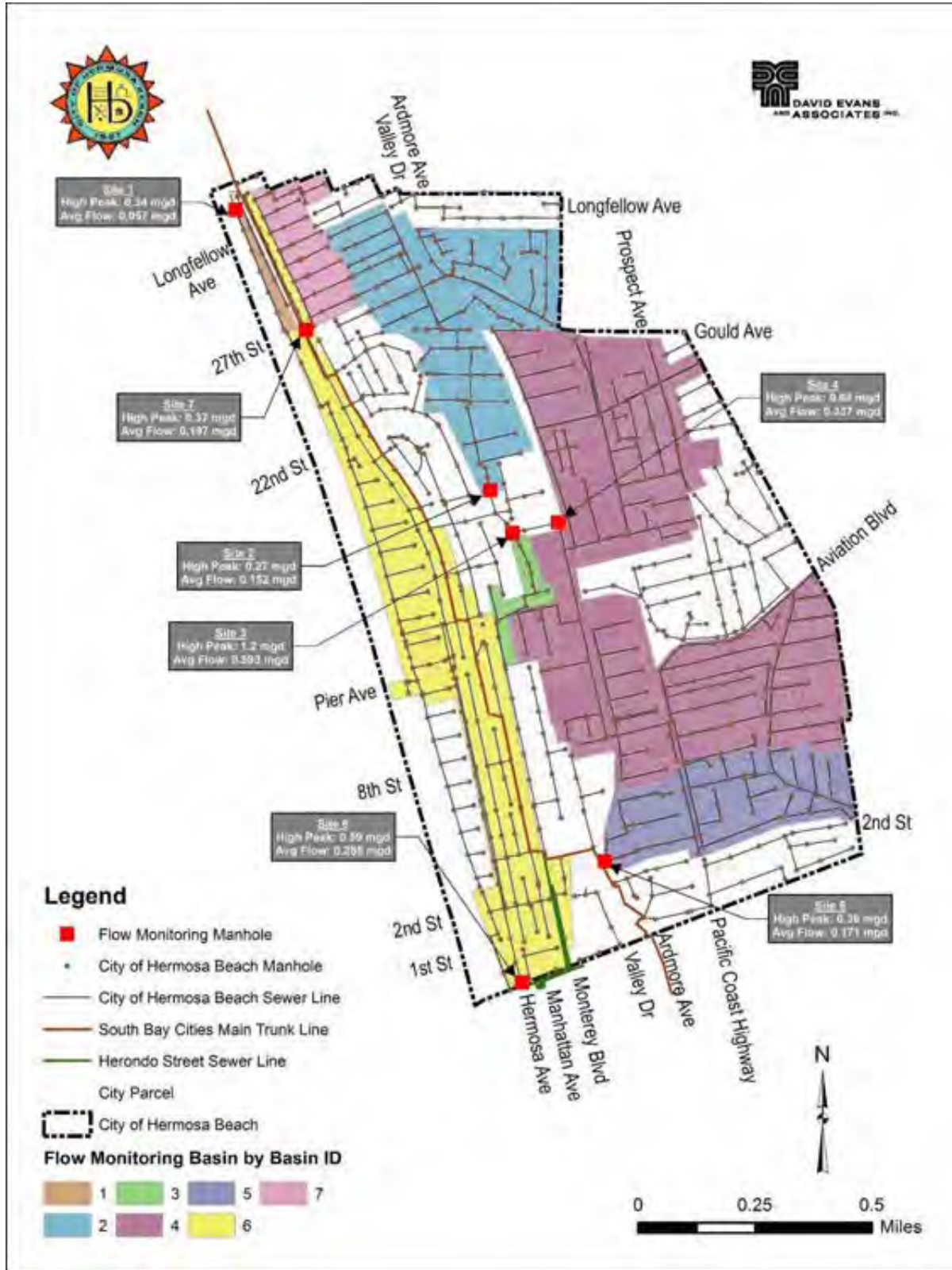


Table 2-1: Flow Meter and Tributary Area Characteristics

Metering Site No.	Manhole GIS ID	Flow Meter Location	Pipe Size (inches)	Predominant Land Use	Net Tributary Area (acres)
1	0011	Upstream	8	Residential	4.14
2	0504D	Upstream	15	Residential	97.57
3	0603	Downstream	15	Residential/Commercial	246.491
4	0604	Downstream	12	Residential/Commercial	237.23
5	0241	Downstream	8	Residential/Commercial	58.19
6	1001	Downstream	24	Residential/Commercial	131.59
7	0021	Upstream	8	Residential	22.67

It is more difficult to accurately estimate and model weekend flows for individual commercial, institutional and some industrial parcels and users because it is usually not known what businesses, offices and workplaces are open and which ones are closed or operating with lower wastewater generation. Conversely, on normal weekdays, all land uses are expected to generate wastewater at more quantifiable flow rates. Therefore, only weekday flow conditions were analyzed in the hydraulic model.

REPRESENTATIVE DIURNAL CURVES

A representative diurnal curve was developed for each monitoring site based on the recorded weekday flows. The representative diurnal curves were used to calibrate the flows in the hydraulic model. The following guidelines were followed in the development of these representative diurnal curves:

1. The overall shape of the measured flows is captured;
2. The general timing and magnitude of the peak(s) are preserved;
3. The volume of the flow is within 5% of the recorded average daily flow.

The representative diurnal curves for the seven metering sites were hand drawn following the above guidelines.



METER BASIN NO. 1

Flow data for Meter Basin No. 1 is shown in Figure 2-2. Meter Basin No. 1 is located in the northwest corner of the City. The basin is the smallest with only 4 acres of drainage area. This basin is primarily residential; however, just downstream of the monitored site is a pump station that moves discharge up from the beach area and into a pipe system that discharges to the county system. This pump system disrupts the dry weather pattern that is typical of a residential area as can be seen in Figure 2-2.

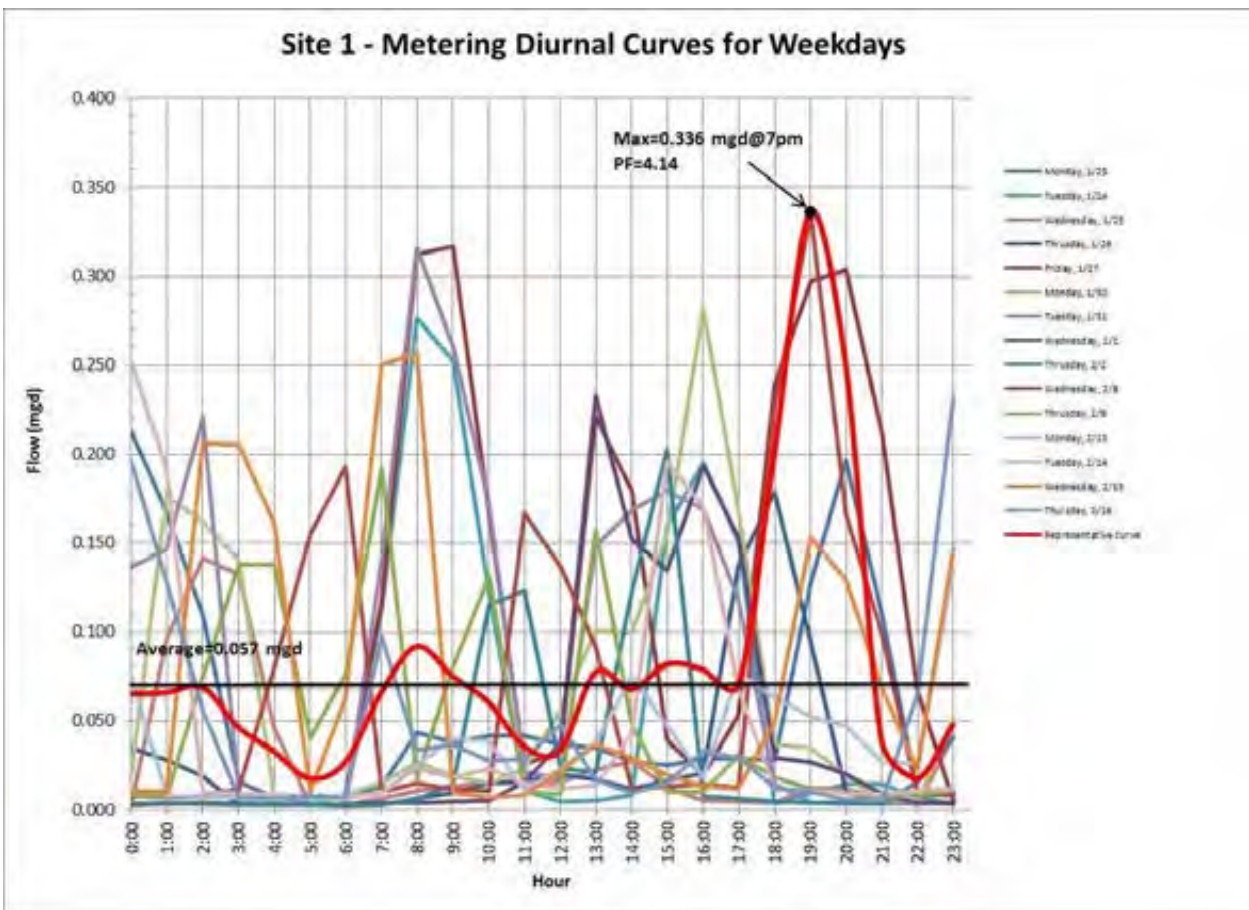
Summary Data:

High peak – 0.336 mgd at 7pm

Average flow – 0.057 mgd

Lowest use at 5am

Figure 2-2: Metering and Representative Diurnal Curves for Site 1 (Weekday)



METER BASIN NO. 2

Flow data for Meter Basin No. 2 are shown in Figure 2-3. Meter Basin No. 2 is located in the north area of the City. The basin totals nearly 98 acres of drainage area with the majority serving residential areas.

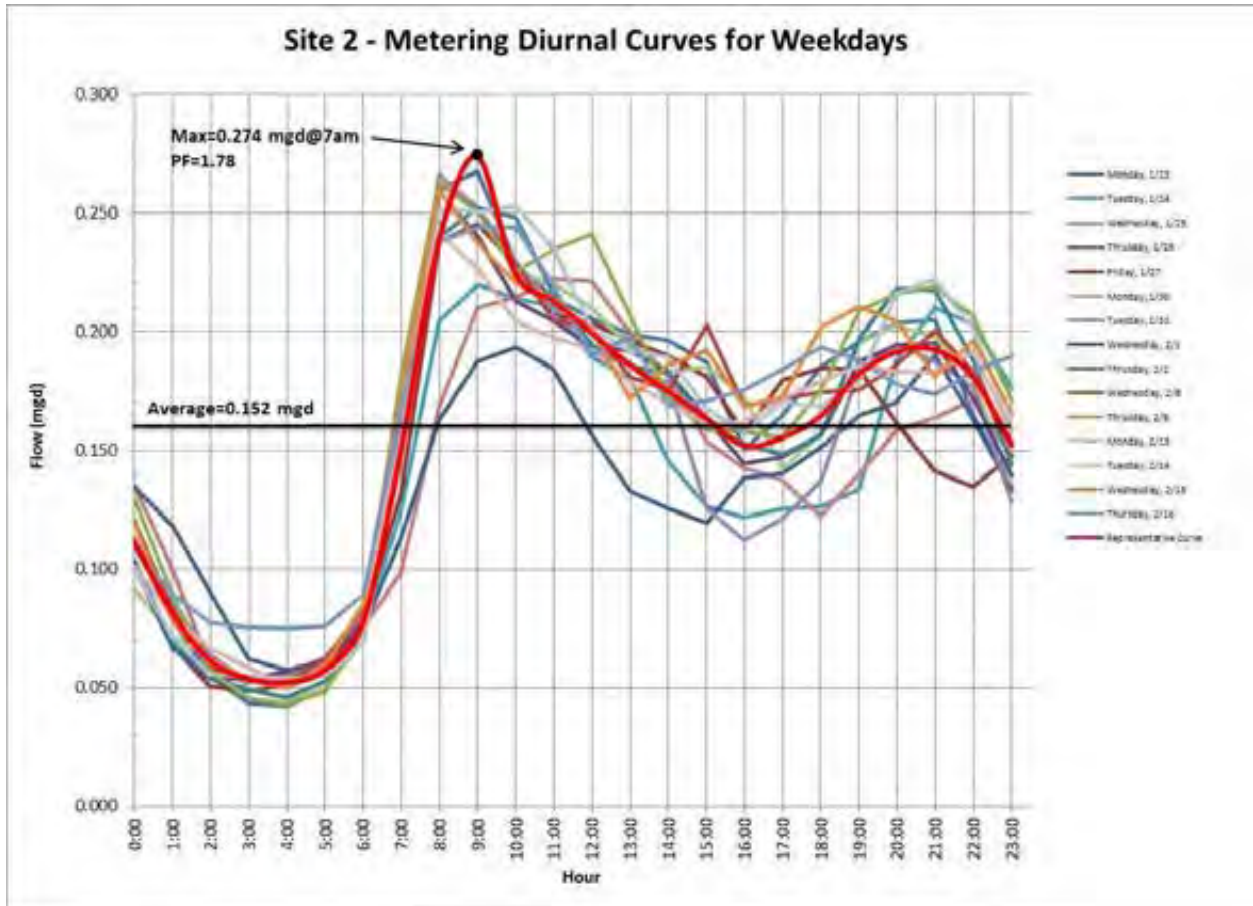
Summary Data:

High peak – 0.274 mgd at 7am

Average flow – 0.152 mgd

Lowest use at 4am

Figure 2-3 Metering and Representative Diurnal Curves for Site 2 (Weekday)



METER BASIN NO. 3

Flow data for Meter Basin No. 3 is shown in Figures 2-4. Meter Basin No. 3 is located in the central area of the City and totals 246 acres. The basin contains a mix of residential and commercial uses.

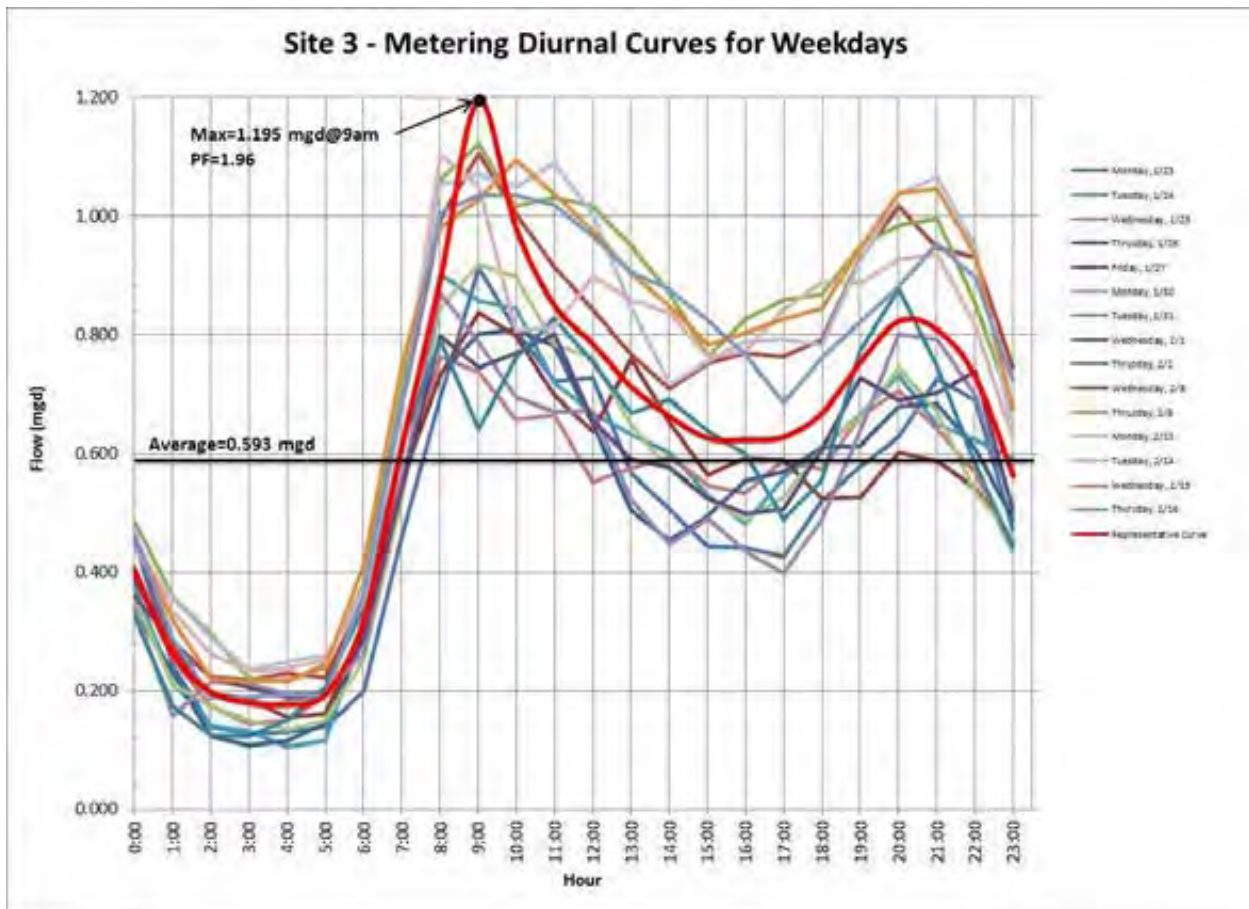
Summary Data:

High peak – 1.195 mgd at 9am

Average flow – 0.593 mgd

Lowest use at 4am

Figure 2-4: Metering and Representative Diurnal Curves for Site 3 (Weekday)



METER BASIN NO. 4

Flow data for Meter Basin No. 4 is shown in Figure 2-5. Meter Basin No. 4 is located in the center area of the city and is a sub-basin to Basin No. 3 covering 237 acres. The basin contains a mix of residential and commercial uses.

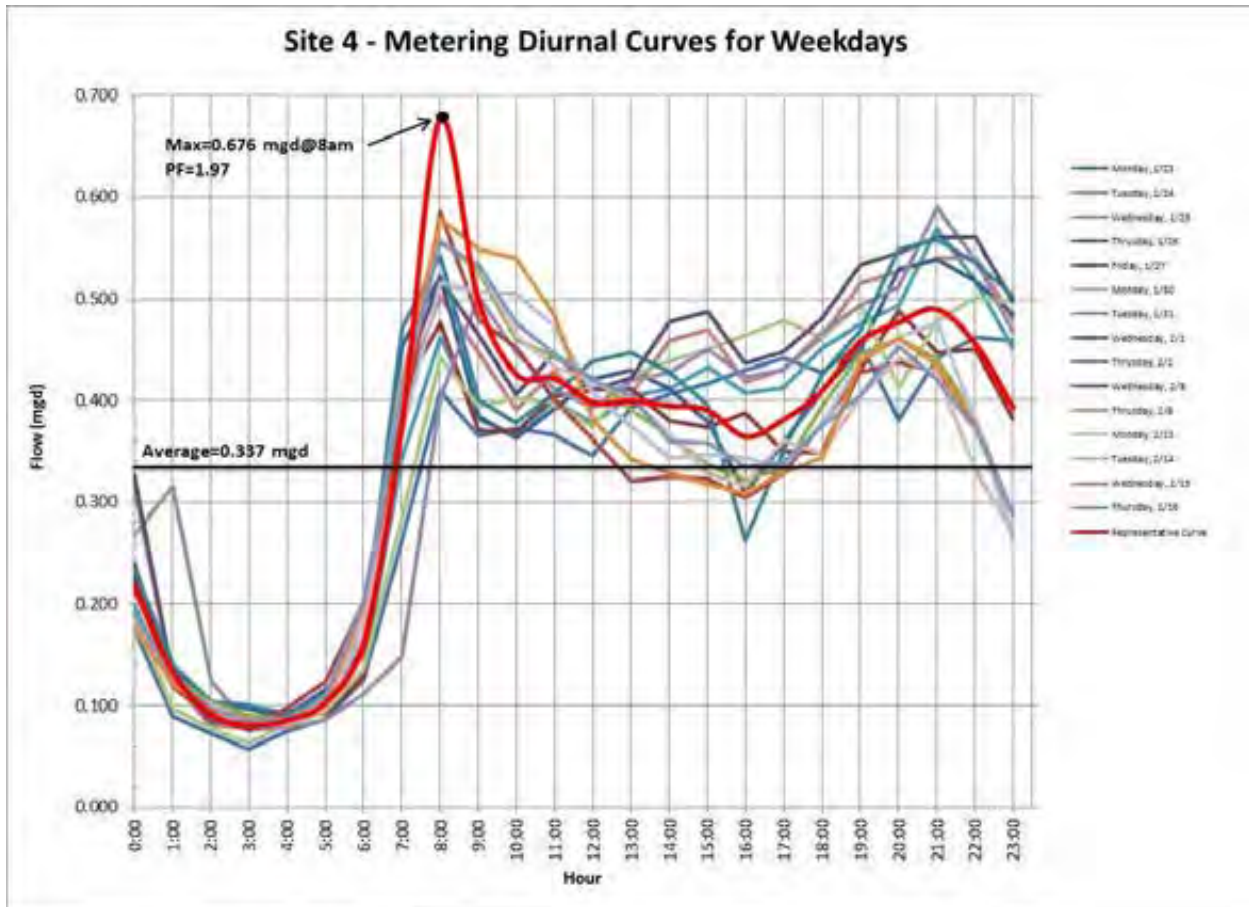
Summary Data:

High peak – 0.676 mgd at 8am

Average flow – 0.337 mgd

Lowest use at 3am

Figure 2-5: Metering and Representative Diurnal Curves for Site 4 (Weekday)



METER BASIN NO. 5

Flow data for Meter Basin No. 5 is shown in Figure 2-6. The basin is located in the southern end of the City and totals about 58 acres of drainage area. The basin is primarily residential with some commercial use areas.

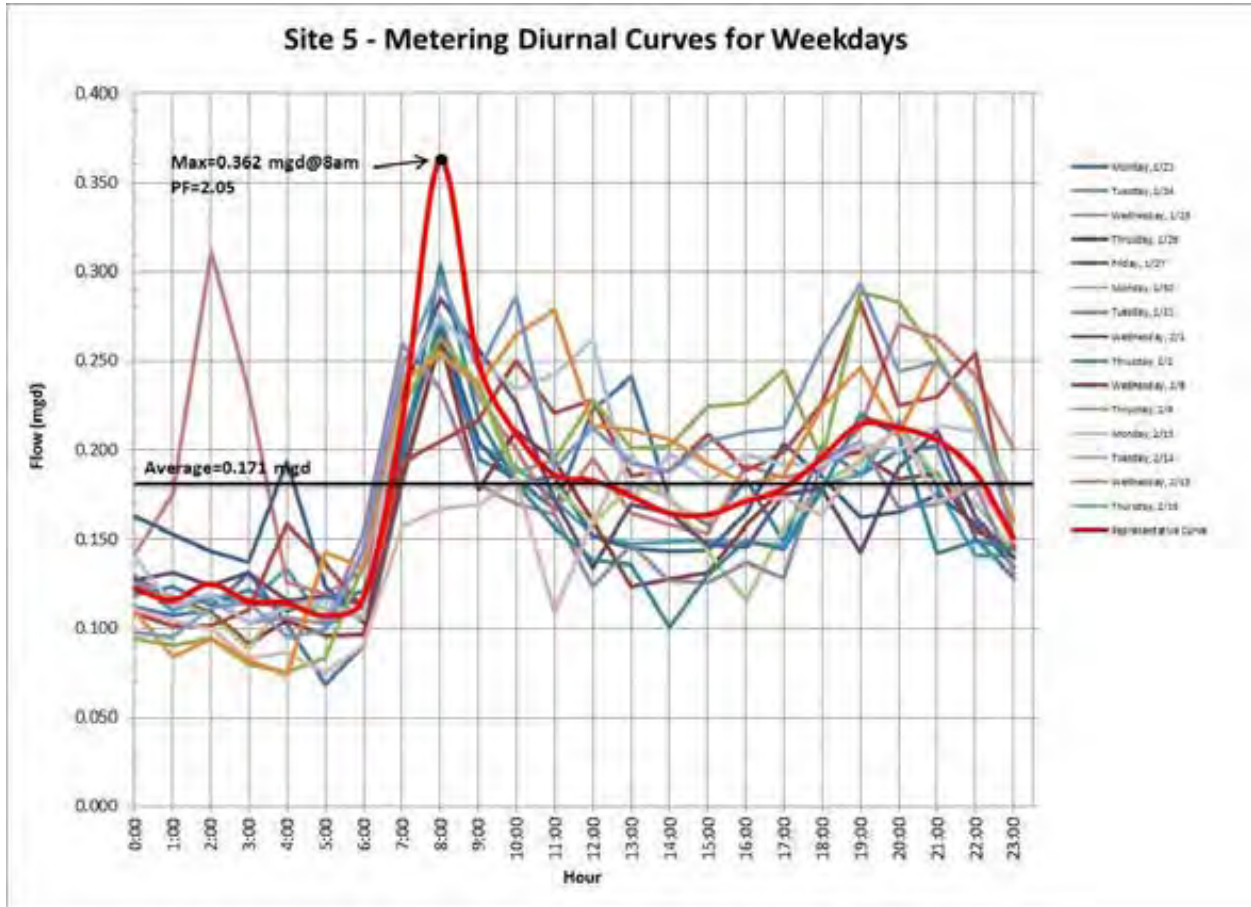
Summary Data:

High peak – 0.362 mgd at 8am

Average flow – 0.171 mgd

Lowest use at 5am

Figure 2-6: Metering and Representative Diurnal Curves for Site 5 (Weekday)



METER BASIN NO. 6

Flow data for Meter Basin No. 6 is shown in Figure 2-7. Meter Basin No. 6 is located along the western edge of the City and totals about 132 acres. The basin is a mix of residential and commercial uses.

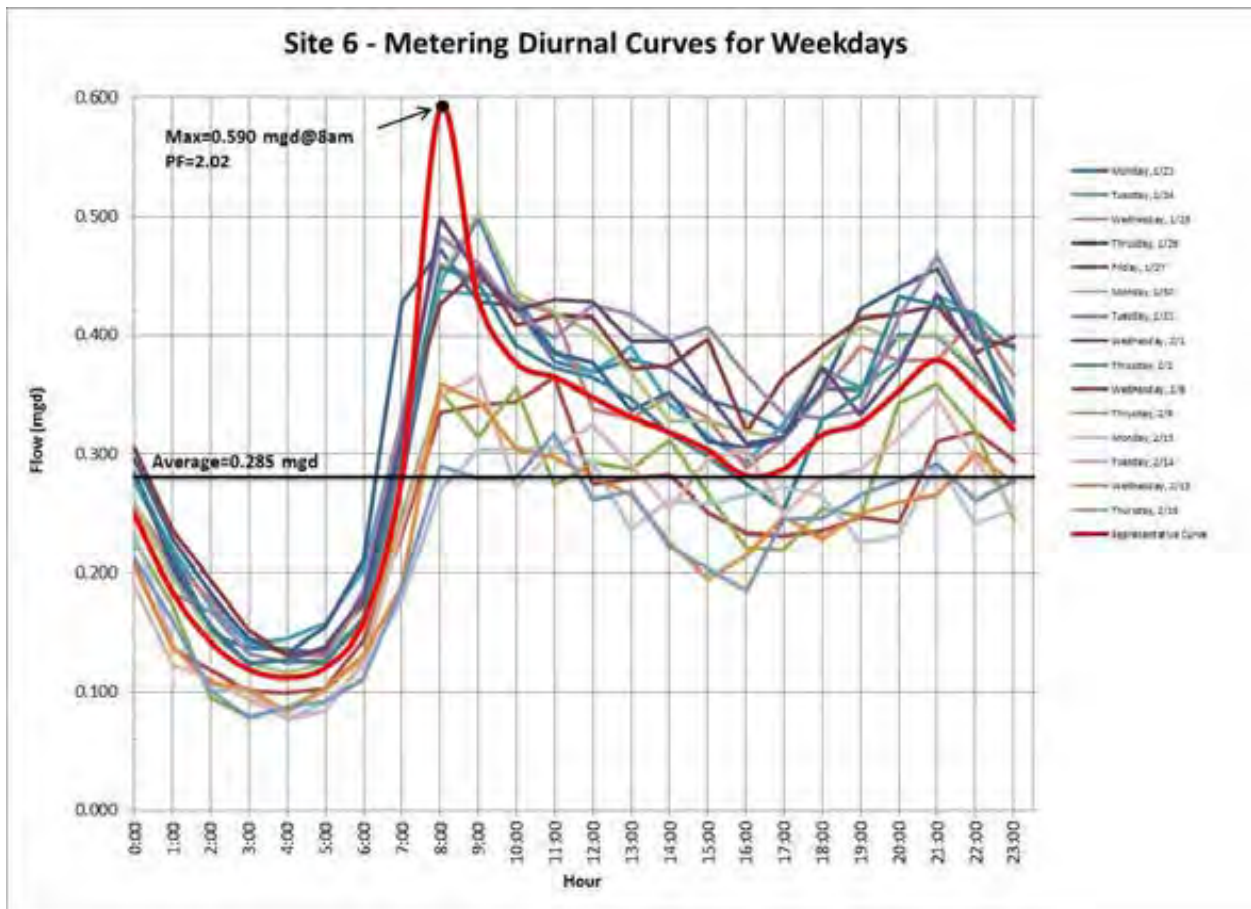
Summary Data:

High peak – 0.590 mgd at 8am

Average flow – 0.285 mgd

Lowest use at 4am

Figure 2-7: Metering and Representative Diurnal Curves for Site 6 (Weekday)



METER BASIN NO. 7

Flow data for Meter Basin No. 7 is shown in Figure 2-8. Meter Basin No. 7 is located in the northwestern part of the City and totals almost 23 acres. The basin has exclusively residential users.

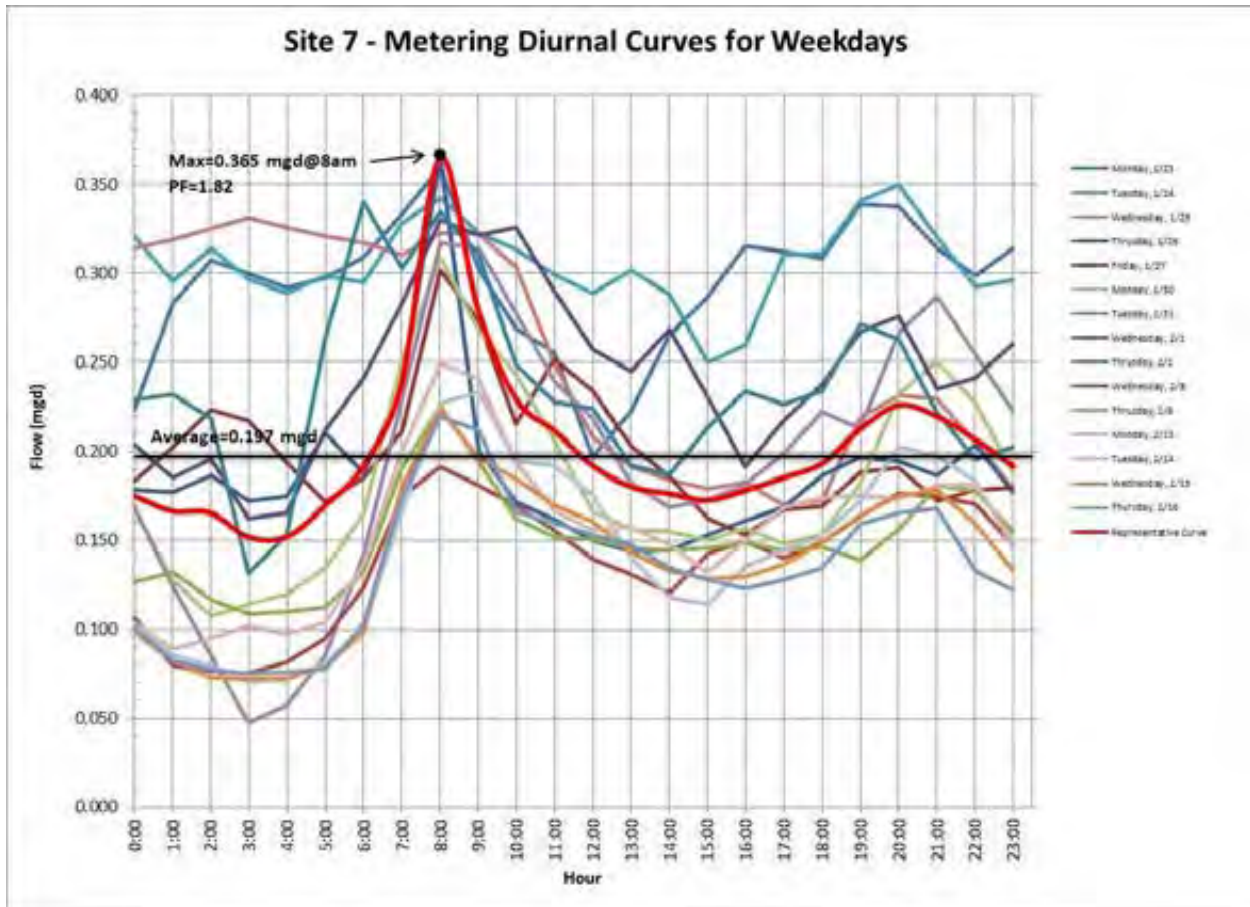
Summary Data:

High peak – 0.365 mgd at 8am

Average flow – 0.197 mgd

Lowest use at 3:30am

Figure 2-8: Metering and Representative Diurnal Curves for Site 7 (Weekday)



METERING FLOW SUMMARY

Table 2-2 shows the summary of the weekday dry weather flows that were measured during the flow monitoring period between January 18, 2017 and February 17, 2017. The net average daily flow values presented in Table 2-2 will be used as the target flows for unit flow factor calibration in Section 2.3.

Table 2-2: Weekday Dry Weather Metering Flow Summary

Site No.	Measured Average Daily Flow (mgd)	Peak Hourly Flow (mgd)	Peaking Factor (Peak Hourly Flow/Average Daily Flow)	Timing of Peak Hourly Flow
1	0.057	0.34	4.14	7pm
2	0.152	0.27	1.78	7am
3	0.593	1.20	1.96	9am
4	0.337	0.68	1.97	8am
5	0.171	0.36	2.05	8am
6	0.285	0.59	2.02	8am
7	0.197	0.37	1.82	8am

UNIT FLOW FACTORS CALIBRATION

The objective of this task is to develop and calibrate wastewater flow generation factors for the existing dry weather flow conditions for each unit of a given land use category on a basin-by-basin basis while matching with the net average daily flows that were measured in the field. For the purpose of this master plan, these factors are referred to as unit flow factors and are in the unit of gallons per day per acre (gpd/ac).

The entire process was performed mostly using GIS software and involves several sources of data provided by the City including parcels, general plan land uses, meter basins, and vacant lot locations. During the process, these vacant lots that typically do not contribute to wastewater flow in sewers were identified and excluded from the analysis.

Table 2-3 shows the analysis results including land uses and associated calibrated wastewater flow factors as well as the variance of calculated average flow from metered average flow for all meter basins. Overall, the calibration was satisfactory and the overall variance in flow compared with the field-measured data is within a few percent. It was found that the unit factors for residential land uses need to be varied between 1,500 gpd and 17,500 gpd throughout the monitoring areas before a successful calibration was achieved.



Table 2-3: Unit Flow Factors Calibration by Meter Basin

Meter Basin No.	Land Use Category	Acres	Unit Flow Factor (gpd/ac)	Notes	Wastewater Flow (gpd)	Variance from Field
1	Commercial	0.0	3,500		0	
	HighDensityResidential	0.0	3,200		0	
	MediumDensityResidential	3.3	17,500	Adjusted for basin only	57,225	
	OpenSpace	0.3	0		0	
	PublicInstitutional	0.0	800		0	
	Motor Home Park	0.0	1,500		0	
	Light Industrial	0.0	1,600		0	
Total		3.6			57,225	0%
Field					57,000	
2	Commercial	3.4	3,500		11,900	
	HighDensityResidential	7.3	3,200		23,424	
	MediumDensityResidential	52.5	2,200		115,500	
	OpenSpace	11.9	0			
	PublicInstitutional	0.0	800		0	
	Motor Home Park	0.0	1,500		0	
	Light Industrial	0.0	1,600		0	
Total		75.1			150,824	-1%
Field					152,000	
3	Commercial	32.9	3,500		114,975	
	HighDensityResidential	70.1	3,200		224,160	
	MediumDensityResidential	71.0	3,200	Adjusted for basin only	227,264	
	OpenSpace	28.5	0		0	
	PublicInstitutional	1.7	800		1,368	
	Motor Home Park	3.4	1,500		5,055	
	Light Industrial	0.8	1,600		1,296	
Total		208.3			574,118	-3%
Field					593,000	



CHAPTER 2 – EXISTING AND FUTURE WASTEWATER FLOWS

Meter Basin No.	Land Use Category	Acres	Unit Flow Factor (gpd/ac)	Notes	Wastewater Flow (gpd)	Variance from Field
4	Commercial	31.4	3,500		109,970	
	HighDensityResidential	68.4	2,000	Adjusted for basin only	136,820	
	MediumDensityResidential	71.0	1,500	Adjusted for basin only	106,425	
	OpenSpace	26.6	0		0	
	PublicInstitutional	1.7	800		1,368	
	Motor Home Park	1.4	1,500		2,040	
	Light Industrial	0.8	1,600		1,296	
Total		201.3			357,919	6%
Field					337,000	
5	Commercial	7.6	3,500		26,600	
	HighDensityResidential	29.3	3,200		93,696	
	MediumDensityResidential	18.9	2,200		41,668	
	OpenSpace	2.7	0		0	
	PublicInstitutional	0.0	800			
	Motor Home Park	0.0	1,500		0	
	Light Industrial	0.6	1,600		960	
Total		59.1			162,924	-5%
Field					171,000	
6	Commercial	17.1	3,500		59,815	
	HighDensityResidential	73.7	3,200		235,840	
	MediumDensityResidential	2.8	2,200		6,116	
	OpenSpace	3.1	0		0	
	PublicInstitutional	0.0	800		0	
	Motor Home Park	0.0	1,500		0	
	Light Industrial	0.0	1,600		0	
Total		96.6			301,771	6%
Field					285,000	



CHAPTER 2 – EXISTING AND FUTURE WASTEWATER FLOWS

Meter Basin No.	Land Use Category	Acres	Unit Flow Factor (gpd/ac)	Notes	Wastewater Flow (gpd)	Variance from Field
7	Commercial	0.6	3,500		2,240	
	HighDensityResidential	11.9	10,500	Adjusted for basin only	124,530	
	MediumDensityResidential	2.1	2,200		4,708	
	OpenSpace	0.0	0		0	
	PublicInstitutional	0.0	800		0	
	Motor Home Park	0.0	1,500		0	
	Light Industrial	0.0	1,600		0	
Total		14.6			131,478	-1%
Field					132,700	
Grand Total		658.6			1,720,710	0%
Total Field					1,727,700	

Table 2-4 shows the final calibrated per-acre unit flow factors for the various land use categories. For modeling purposes, each land use was designated as either residential or commercial to distinguish between two general diurnal flow patterns. Table 2-4 also shows these designations.

Table 2-4: Calibrated Unit Flow Factors

Land Use Category	Average GPD/Acre	Model Designation
High Density Residential	3,200	Residential
Medium Density Residential	2,200	Residential
Commercial	3,500	Commercial
Institutional	800	Commercial
Light Industrial	1,600	Commercial
Mobil Home Park	1,500	Residential
Open Space	0	Commercial

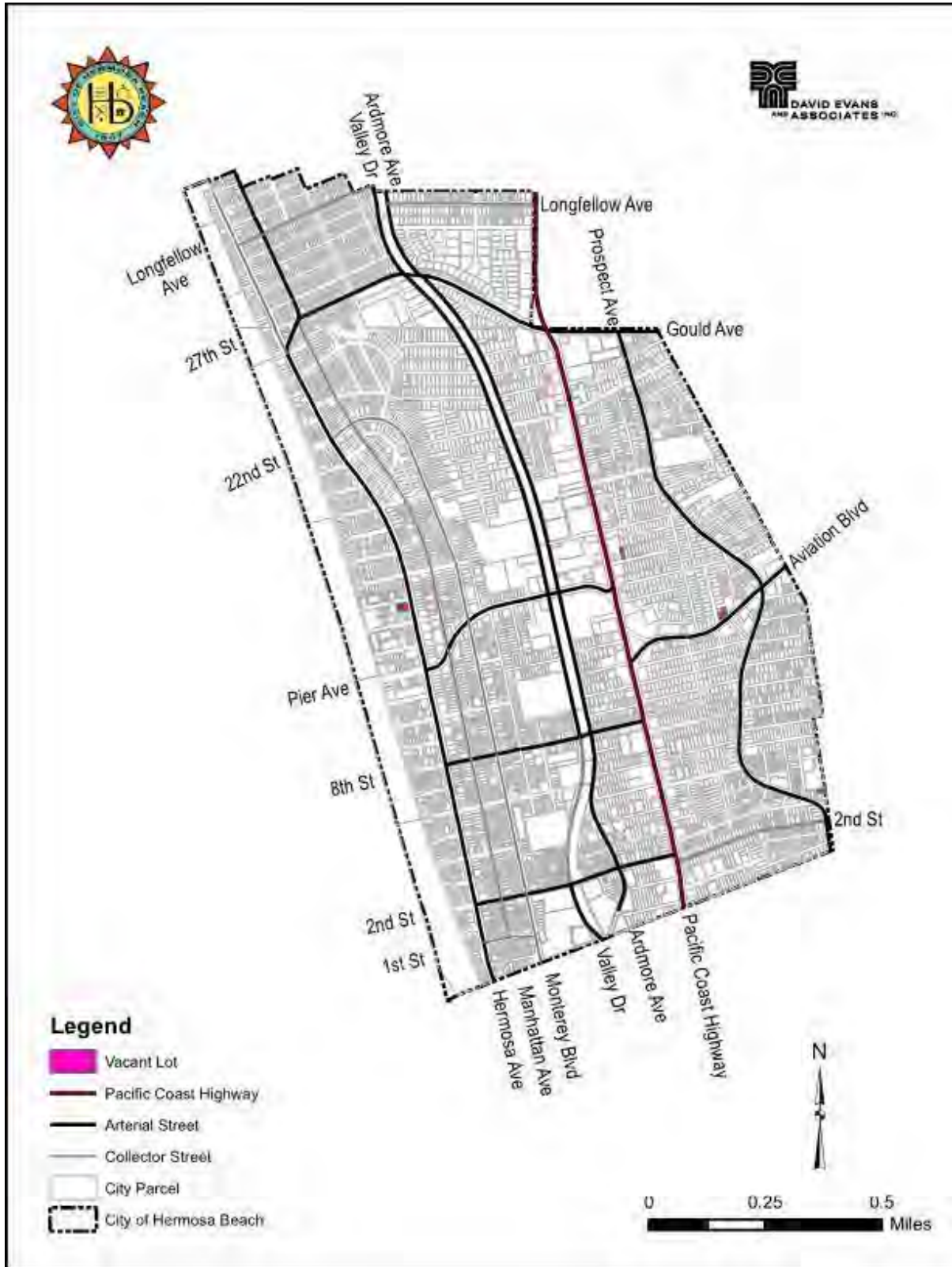


2040 WASTEWATER FLOW PROJECTION

The City is largely built out and very little population change is anticipated. Year 2040 flows are determined by adding the projected built-out flows from the currently vacant lots to the existing flow. Figure 2-22 shows that there are only four vacant lots identified as available for potential new construction. The projected flow from these areas is small relative to the existing flows, so it is assumed that future condition flows are negligible and will not add enough flow to trigger new CIP projects additional to those listed in Chapter 6 for existing conditions.



Figure 2-9: Vacant Lots Assumed Built-Out for Future Condition Flow



CHAPTER 3 HYDRAULIC MODEL AND CAPACITY ANALYSIS

MODEL DEVELOPMENT

MODEL SOFTWARE

Wastewater management modeling software InfoSewer software as manufactured by Innovyze, Inc. was used to develop the hydraulic model of City’s sewer collection system in order to evaluate hydraulic conditions, identify hydraulic deficiencies and recommend system improvements. The computation engine of InfoSewer is capable of performing simulations in both steady state and extended period modes and generating backwater hydraulic profiles. For this project, extended period simulation and backwater analysis were performed using InfoSewer to better mimic hydraulic conditions in the field.

DATA

The City has provided various resources that were either used as direct data input for the hydraulic model or as reference information for the Master Plan. Table 3-1 shows these data sources.

Table 3-1: Data Sources

Format	Item
GIS Format (ArcGIS file geodatabase or shapefile)	Pump station Layer
	Manhole elevations from record plans and field survey data
	SBC layer
	Manhole layer
	Sewer lines layer
	CCTV grades layer
	General plan layer
	Coastal zone layer
	Parcel layer
	City Boundary layer
	City Zoning layer
Street layer	
PDF File	General Plan Map, September 2014
	Sewer System Map
	Street Sweeping Schedules
	Zoning Map, September 2014
Excel File	CCTV Data Sets



The hydraulic model was built within the InfoSewer platform using the data provided by the City. This section discusses the various details in the hydraulic model development processes starting from sewer network development to wastewater flow distribution.

SEWER NETWORK DEVELOPMENT

The geometry and physical data of the existing sewer system was originally provided in GIS format including a sewer main layer, manhole layer, and pump station layer. A geometric network was developed in GIS based on these layers.

A geometric network was used to verify the connectivity of links (sewer mains) and nodes (manholes and cleanouts). Connectivity issues were identified in the geometric network and sewer geometry was adjusted where necessary to resolve the identified connectivity issues.

The connected sewer network was then imported directly from the geometric network into the InfoSewer platform. The developed InfoSewer model includes all City gravity sewers ranging from 6-inch to 24-inch pipes but excludes all service laterals.

PIPE FRICTION FACTORS

Friction occurs when a liquid flows over a pipe surface. The friction resists and retards the flow and causes the flow depth to increase. The magnitude of the resistance depends on the pipe material, the types of pipe joints, and the age of the pipe. Pipes generally become rougher with age. Bell and spigot joints associated with vitrified clay pipe (VCP) have more friction than joints that are more seamless such as a plastic slip liner.

Friction for sewer pipe is typically measured using Manning's "n" coefficients. Friction increases with higher n values. VCP is less smooth and also degrades more over time. The bell and spigot joints of VCP also contribute to a higher friction coefficient. New VCP (including the joints) has an n value of approximately 0.011 and the n value increases to 0.013 after 20 years. The VCP pipes with plastic liners associated with trenchless pipe rehabilitation methods such as cured-in-place pipes (CIPP) may have lower n values.

The actual pipe material might not be completely relevant in determining actual pipe friction. Some research studies have shown that a slime layer eventually builds up on any municipal sanitary sewer pipe surface and that slime layer essentially becomes the pipe surface. These studies have indicated that the average Manning's n value for any sewer pipe material with a slime layer is 0.013. Based on the GIS, a large percentage of the City sewers are over 50 years old. To be conservative, a universal Manning's n value of 0.015 was used to account for other minor losses and to hydraulically evaluate all sewers in this Master Plan.

AVERAGE FLOW DISTRIBUTION

After the unit flow factors were developed and calibrated as discussed in Chapter 2, each parcel was assigned a unit flow factor based on its land use category and the resultant average wastewater flow was then calculated by multiplying the surface area and the corresponding unit flow factor.

The parcels were converted from a polygon layer to point layer. Subsequently, each parcel point was linked to the closest pipe and the wastewater flow was transferred to the closest pipe's upstream manhole in the hydraulic model.



DIURNAL CURVES ASSIGNMENT

For modeling the diurnal variation in flow, the land uses were grouped into two “diurnal curve” categories including one for all residential uses and another for all non-residential uses based on their common wastewater generation nature. For modeling purposes, the non-residential uses are labeled as “commercial.” Table 3-2 summarizes the diurnal curves and the associated groups of land use categories.

Table 3-2: Diurnal Curves and Land Uses

Diurnal Curve Category	Land Use Category
Residential	High Density Residential Medium Density Residential Mobil Home Park
Commercial	Commercial Light Industrial Institutional Public/Semi-Public Open Space

BOUNDARY CONDITIONS

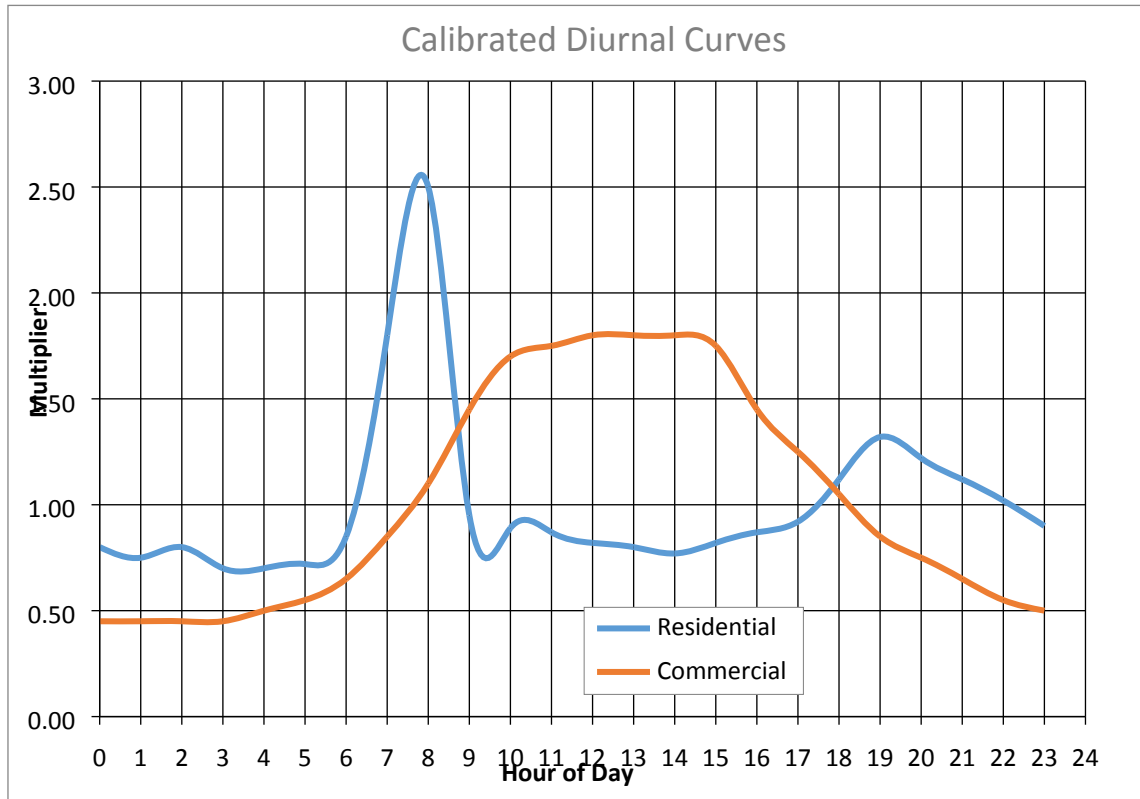
All the outfalls in the model were modeled as free outfalls, assuming no backwater effects from the downstream Los Angeles trunk sewers.

MODEL CALIBRATION

After the hydraulic model was built in InfoSewer, model calibration was performed to ensure the hydraulic model is producing similar hydrographs at the seven temporary metering sites. Figure 3-1 shows the diurnal curves that were calibrated and used in the InfoSewer model.



Figure 3-1: Calibrated Diurnal Curves



The residential curve is primarily extracted from the measured flow data at meter site No. 5 with an adjusted and higher peaking factor of 2.5 at about 8 am to account for flow attenuation effect that was embedded in the measured flow data. The commercial curve was initially developed from the metering data for other projects and was adjusted primarily with data from Sites 4, 5 and 6, which have commercial elements within each basin. The peaking factor for the commercial curve is 1.8 occurring at about 1 pm.

Site 1 was disregarded for calibration because it is influenced by the pump station just downstream of the data collection site and therefore does not represent diurnal patterns for that basin. Site 3 data was collected just downstream of Site 4 and therefore disregarded as being redundant with Site 4. Table 3-3 summarizes the calibration results. Figures 3-2 through 3-6 show the comparison of the model results and the field measurement for each site graphically.

In general, the calibrated model was able to predict average flow and peak flow at the five outfalls near or within 15 percent with the exception of Site 7. Site 7 shows an exaggerated peak that will provide conservative results for this area. The possible causes for the variances of the model results include uncertainty about invert elevations in the original GIS, instrument errors associated with the metering equipment and the underlying assumptions in the model software.



Table 3-3: Calibration Summary

Site No.	GIS Manhole ID	MH Address	Sensor Location	Pipe Size (in)	Metering Data		Model Results		Variance	
					Avg Flow (mgd)	Peak Flow (mgd)	Avg Flow (mgd)	Peak Flow (mgd)	Avg Flow (%)	Peak Flow (%)
2	0504D	Powers St	Upstream	15	0.152	0.27	0.149	0.31	-2%	15%
4	0604	Valley Dr	Downstream	12	0.337	0.68	0.371	0.62	10%	-8%
5	0241	Valley Dr	Downstream	8	0.171	0.36	0.162	0.34	-5%	-7%
6	1001	Hermosa Ave	Downstream	24	0.285	0.59	0.308	0.56	8%	-5%
7	0021	27 th St	Upstream	8	0.197	0.37	0.186	0.43	-6%	17%

Figure 3-2: Model Calibration Results (Site 2)

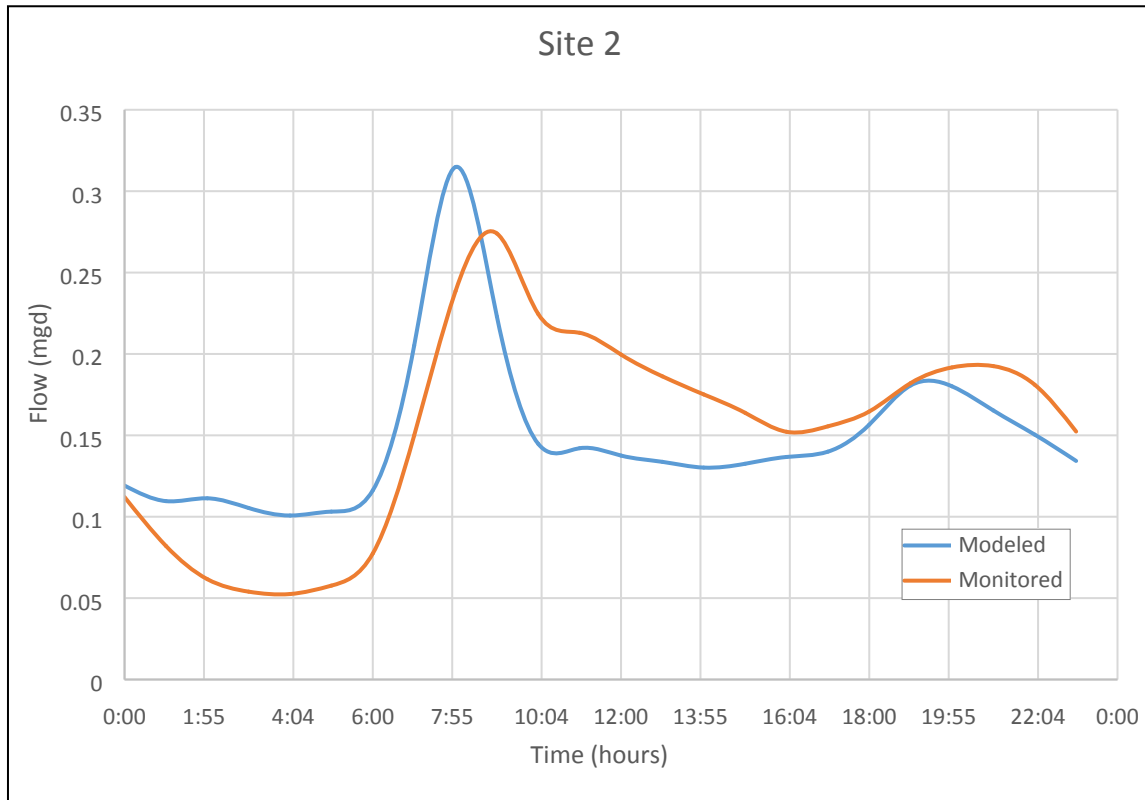


Figure 3-3: Model Calibration Results (Site 4)

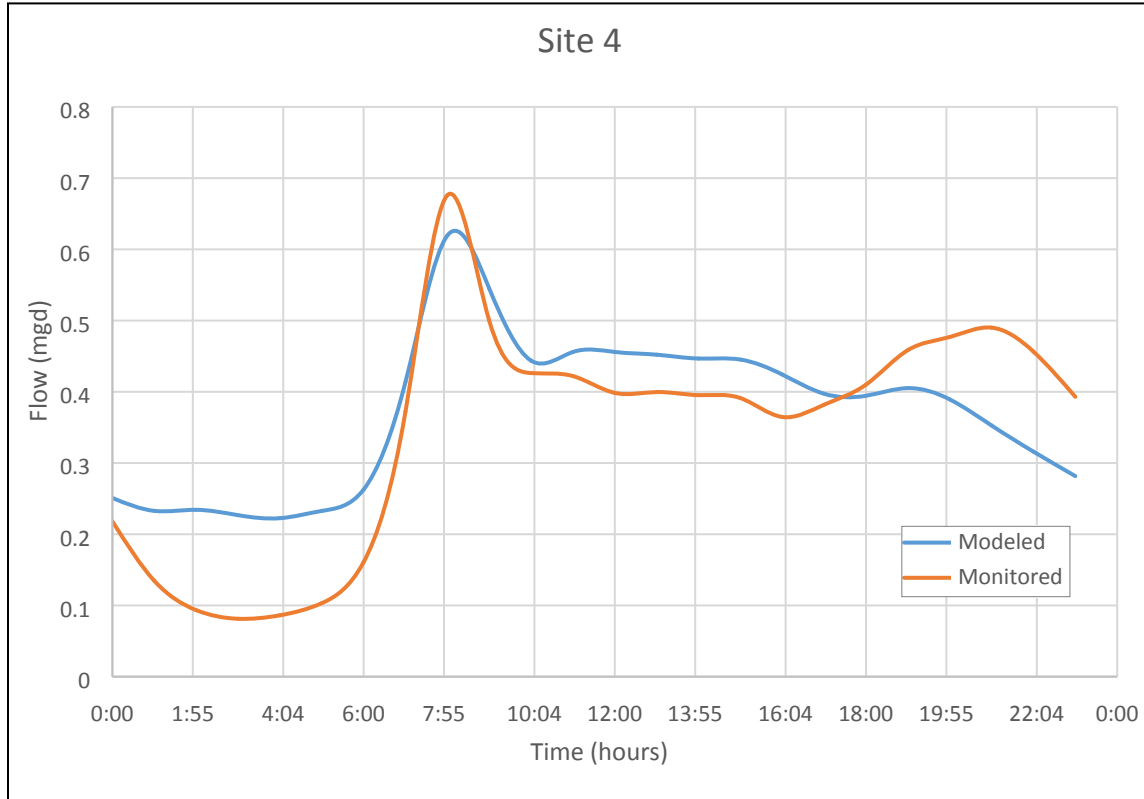


Figure 3-4: Model Calibration Results (Site 5)

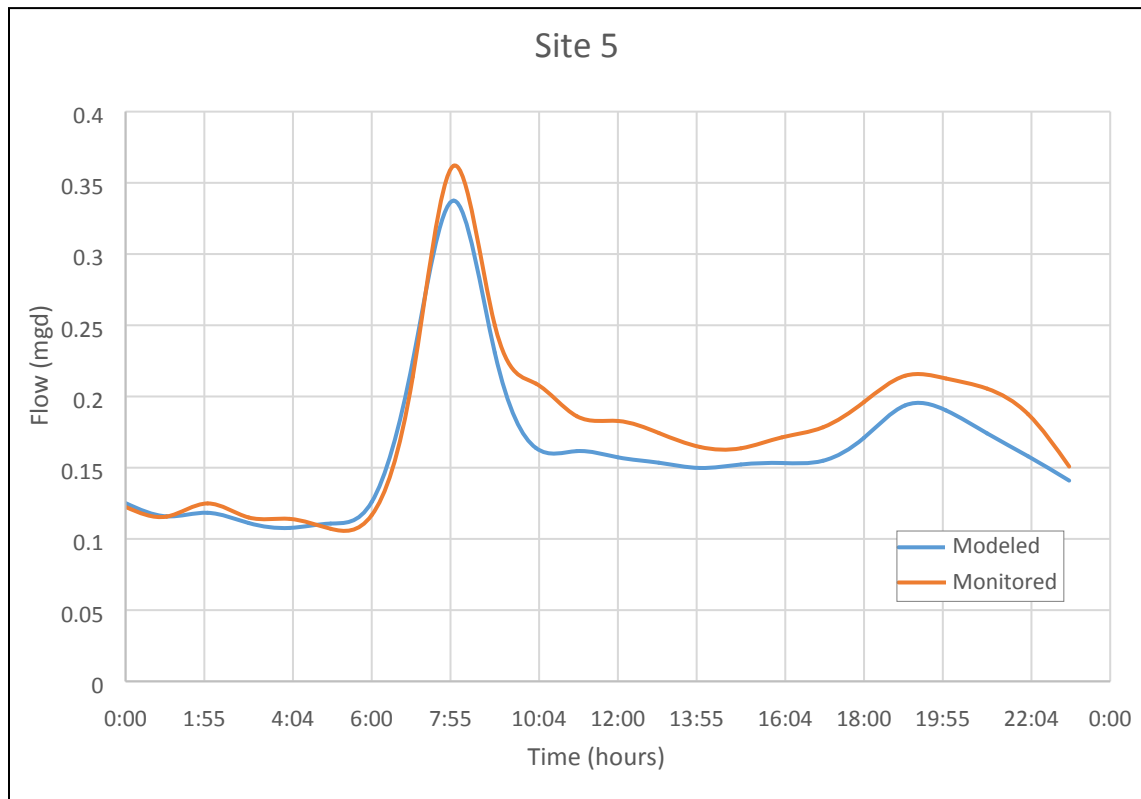


Figure 3-5: Model Calibration Results (Site 6)

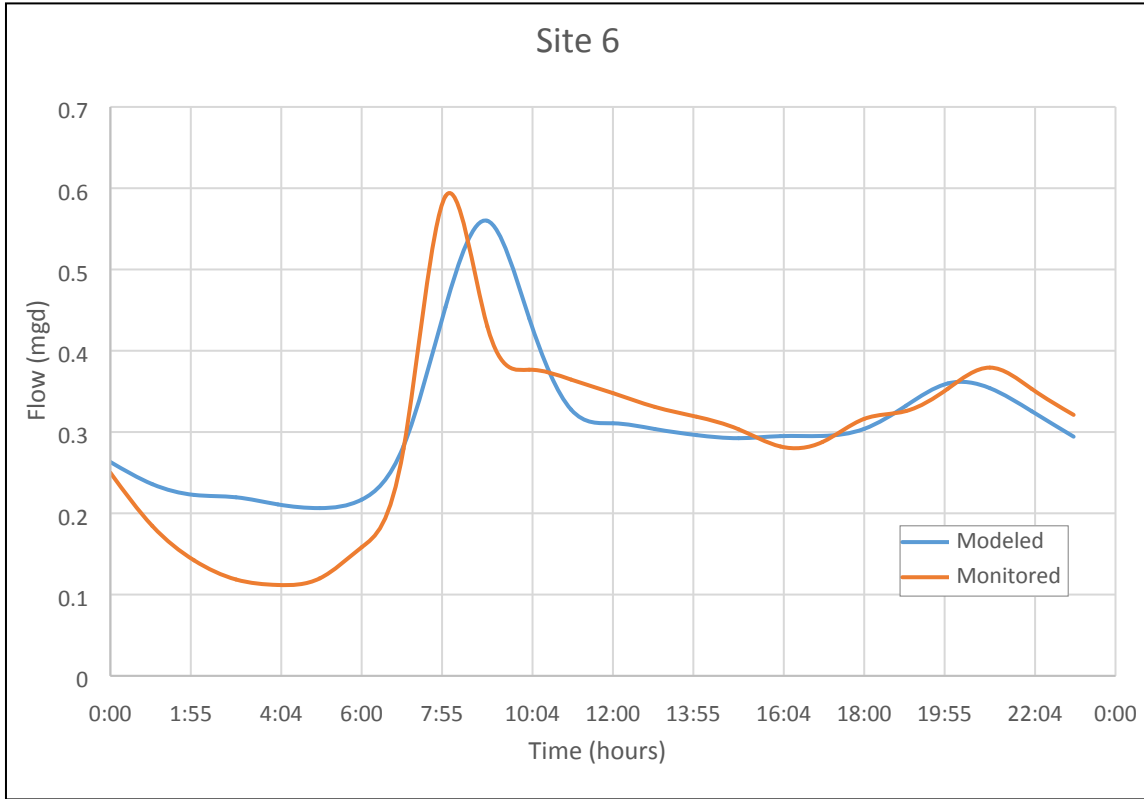
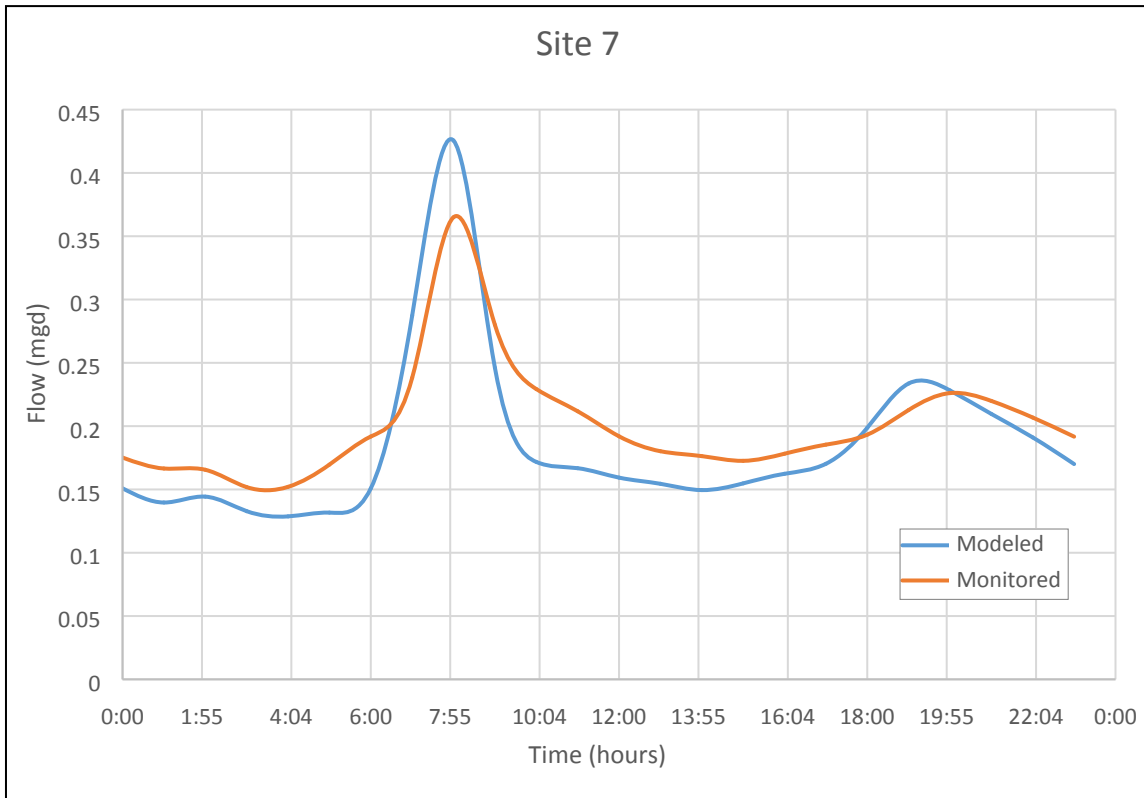


Figure 3-6: Model Calibration Results (Site 7)



CAPACITY CRITERIA

Criteria were established to determine adequacy of existing sewers and to size new sewers in terms of their hydraulic capacity while minimizing the likelihood of a sewer overflow. The hydraulic capacity criteria were developed based on maximum depth to diameter (d/D) ratios under dry weather flow (DWF) conditions in the calibrated hydraulic model.

For identifying deficiency of existing sewers, the maximum allowable d/D ratio to convey peak dry weather flow (PDWF) was set to 0.75 for all sizes of sewers. The deficiency criteria of triggering the need for a project often differ from the criteria for sizing new sewers, which are typically more conservative.

For sizing new proposed sewers, a maximum allowable d/D ratio of 0.5 was applied to 12-inch and smaller sizes and a d/D ratio of 0.65 was used for 15-inch. They are consistent with the typical sewer sizing criteria published by agencies in the region. A lower d/D threshold is typically applied to smaller pipes because they are more likely to experience greater variations in PDWF and blockages due to debris, etc. The remaining capacity of the proposed sewers is reserved for potential infiltration and inflow during rain events.

Table 3-4 summarizes the criteria that were used for evaluating capacity of the sewers in this Master Plan. Although the existing sewers with a d/D ratio between 0.5 and 0.75 were not identified as deficient and recommended for upsizing, future continuing monitoring of these sewers is recommended.

Table 3-4: Sewer Capacity Criteria

Purpose	Pipe Size	Maximum Allowable d/D
Identifying Deficiency of Existing Sewer under PDWF	Any size	0.75
Sizing of Proposed Sewers under PDWF	12-inch and smaller ¹	Between 0.5 and 0.65
	15-inch and larger ²	Between 0.65 and 0.75

Notes:

1. At a d/D of 0.5, the remaining capacity of circular pipes is 50 percent. In some areas where the slope of existing sewers is relatively flat, the threshold was relaxed to allow d/D up to 0.65 in lieu of recommending a larger size for the entire project.
2. At a d/D of 0.65, the remaining capacity of circular pipes is about 25 percent. In some areas where the slope of existing sewers is relatively flat, the threshold was relaxed to allow d/D up to 0.75 in lieu of recommending a larger size for the entire project.



ANALYSIS RESULTS – EXISTING CONDITIONS

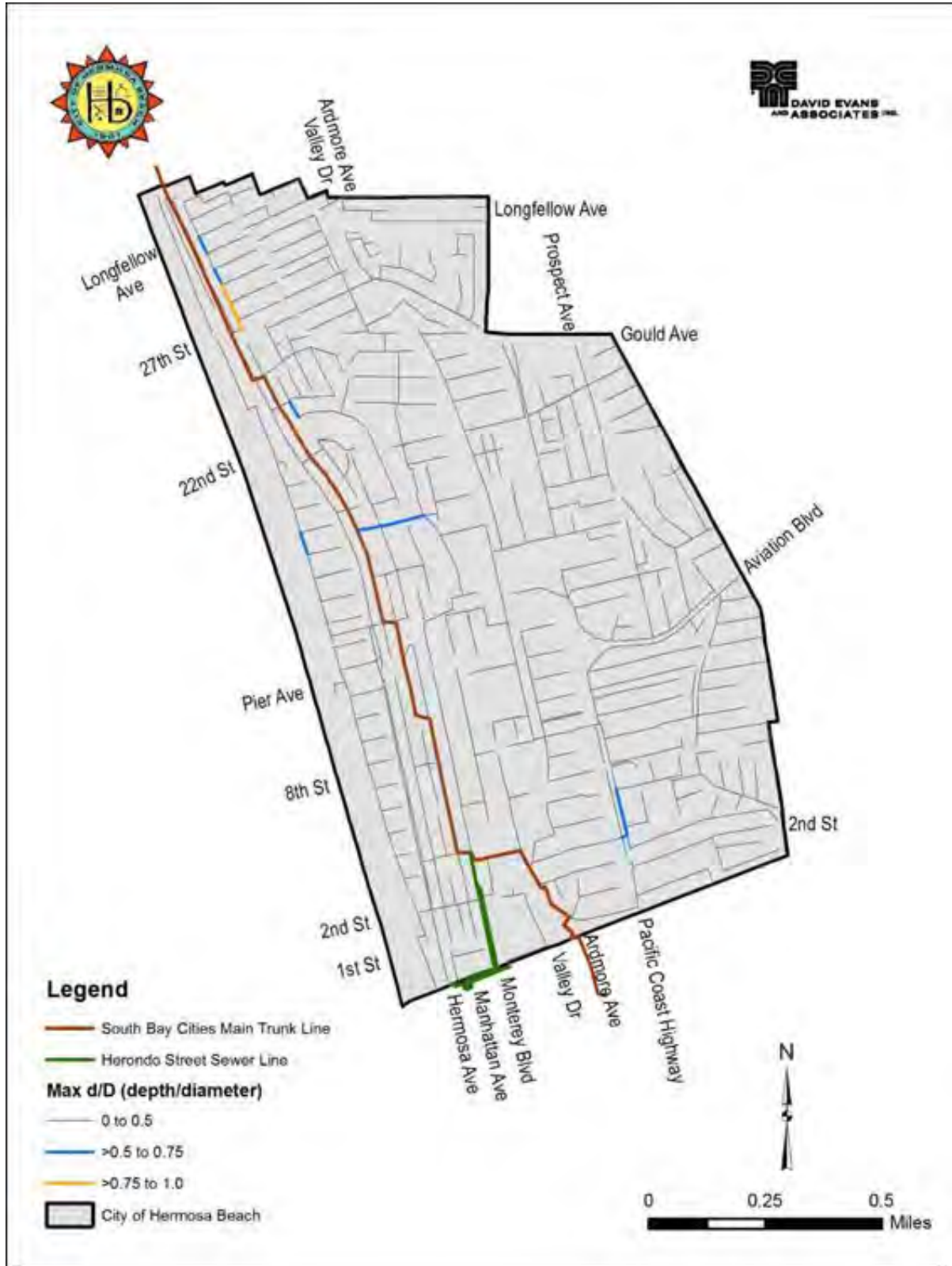
In order to determine the adequacies of the existing city sewers for conveying the PDWF, simulations were performed to identify locations of hydraulic capacity deficiencies in the system. The model results of the capacity analysis, expressed as maximum d/D ratios for the existing DWF conditions, are shown in Figure 3-7. The red (d/D > 0.75) pipes shown in Figure 3-7 indicate deficient line segments based on the aforementioned capacity criteria.

As shown in Figure 3-7, the majority of the modeled pipes are less than 50 percent full under the peak DWF conditions. There are five segments that show a peak d/D ratio between 0.5 and 0.75. These segments should be inspected regularly to insure that pipe capacity remains adequate. One segment exceeds a d/D of 0.75 and is therefore, recommended for upsizing. Details of the recommended CIP to replace this segment is provided in Chapter 6.

Appendix C shows the d/D ratios for the upstream and downstream ends of all the pipes in the hydraulic model under existing flow conditions.



Figure 3-7: Maximum d/D Ratios under Existing DWF Conditions



CHAPTER 4 SEWER REHABILITATION METHODS

OVERVIEW

Aged and defective sanitary sewers should be replaced periodically as part of an on-going investigation and rehabilitation program to both ensure structural integrity of infrastructure components and to help prevent wet-weather inflow and infiltration (I/I) into the collection system through system defects such as cracked and broken pipe. This chapter discusses various strategies and methods to rehabilitate sanitary sewers and develops planning-level unit costs that will be used in this Master Plan to develop project costs in the recommended Capital Improvement Program.

SANITARY SEWER REHABILITATION METHODS

Sewers need rehabilitation if they are in a deteriorated condition and/or they need additional hydraulic capacity. In the past, the most common construction approach to rehabilitating a sewer for either reason was sewer replacement via open cut excavation. However, over the past 30 years, sewer rehabilitation via trenchless technology has become more practical and less expensive than traditional open cut excavation if the sewer is only in a deteriorated condition, i.e. does not need increased hydraulic capacity. There are also several trenchless methods now available that are also more practical and in some cases less expensive when the sewer also needs increased hydraulic capacity.

With trenchless technology, the surface and ground depth in the vicinity of a sewer to be rehabilitated is significantly less disturbed compared with open cut excavation. Sewer rehabilitation via trenchless technology avoids most conflicts with adjacent and crossing utilities and pipelines, and also avoids most surface disruptions to traffic, property, and the surrounding environment in general. Most trenchless technologies utilize the existing sewer as a host pipe and utilize existing manholes to conduct the rehabilitation. In some cases, pits must be excavated to accommodate a trenchless technology.

These trenchless technologies are less expensive than sewer replacement via open cut excavation. However, in utilizing the existing sewer as a host pipe, the sewer diameter is decreased, not increased. The new sewer lining might offer slightly better capacity resulting from less pipe friction, but because a slime layer eventually builds up on any sewer pipe surface, this increased capacity might not be significant.

SEWER REHABILITATION VIA PIPE REPLACEMENT

In order to increase hydraulic capacity significantly, the sewer can be replaced with a new larger sewer either by open cut excavation and/or bore and jack construction, or a new sewer can be constructed parallel to the existing sewer by either of these same two construction methods. Open cut excavation causes disruptions to the surface environment. As an alternative, bore and jack construction can be employed where two pits are excavated (a bore pit and a receiving pit), a steel casing is bored and jacked between the two pits, and the sewer is grouted inside the casing. The only excavation occurs at the bore pit and the receiving pit.

However, bore and jack construction is significantly more expensive than open cut excavation. For example, as average planning estimates, it might cost approximately \$200/linear foot (lf) to construct a 12-inch sewer by open cut excavation (including traffic control and pavement replacement, but not including project mobilization, flow bypassing, and lateral reconnection) and approximately \$1,000/lf to construct the same 12-inch sewer by bore and



jack construction. Because of the high cost, open cut excavation is typically employed. However, bore and jack construction is used to go below major road intersections where traffic cannot be disrupted, and below major surface obstructions such as railroad tracks, freeways, etc.

Directional drilling and microtunneling can also provide for trenchless construction of a new sewer. However, both methods are more expensive than bore and jack construction, and their benefits such as directional change are not needed to construct a sewer below a road or intersection in most cases.

In order to increase hydraulic capacity, the existing sewer can be replaced with a larger sewer, or a new sewer can be constructed in parallel with the existing sewer, which remains in service. If the existing sewer is also in a deteriorated condition and requires rehabilitation anyway, then it will be recommended in the Master Plan that the existing sewer be replaced with a new sewer. If the existing sewer is in good condition with very few defects and is relatively young, then it will be recommended in the Master Plan that the existing sewer be kept in service and a new parallel sewer be constructed in order to increase hydraulic capacity.

City sewers are constructed of VCP, PVC, and ACP pipe materials, which are all considered sturdy sewer pipe materials. However, any sewer constructed prior to 1950 will be recommended for replacement regardless of condition if the sewer requires additional hydraulic capacity.

Flow bypassing at an upstream manhole is required when replacing an existing sewer. Also, existing laterals must be serviced by a temporary pipeline while the new sewer is set in the trench and bedded. The existing laterals are connected as soon as a new sewer segment is bedded. An advantage to constructing a parallel sewer (relief sewer) is that the existing sewer is kept in service while the relief sewer is being constructed. Less flow bypassing is required. Additionally, sewer laterals on the side of the existing sewer away from the parallel sewer can remain connected to the existing sewer, or if they are to be connected to the new sewer, the connections can be made after the new sewer has been constructed.

PIPE BURSTING

Another trenchless alternative for constructing a larger sewer is pipe bursting. Pipe bursting can be less expensive and faster than open cut construction, depending on extent, diameter, and the number of laterals within a particular pipe segment. Pipe bursting is accomplished by pulling a bursting device through the existing pipe. This device by virtue of its size or its radial expansion ability shatters the old pipe and forces the fragments into the surrounding soil. The new pipe is attached to the bursting device and is thus pulled into place as the device advances. An advantage of pipe bursting compared with other trenchless pipe rehabilitation is that the existing pipe can be upgraded with a completely new pipe of equal diameter or greater, thus maintaining or increasing the capacity of the line being rehabilitated. Also, the pipe is a complete structural replacement that functions independently of the original line. Flow bypassing is required with pipe bursting because the existing pipe is being replaced.

Installations are either continuous or sectional. In continuous installations, pipe materials such as high-density polyethylene (HDPE), PVC, and steel are connected or fused to form continuous strings of pipe. These strings are then installed over a length longer than the length of one individual pipe segment. In sectional installations, individual pipe sections are installed one section at a time. Continuous installation is preferred over sectional replacement, as it minimizes the stoppage of the product line during the burst, and requires less equipment to perform the installation.

A continuous installation is divided into lengths of pipe segments that the bursting equipment being used can burst based on the geometry and layout of the existing pipe being replaced. The length that can be burst is highly



dependent on the type of pipe being burst, degree of upsize, soil conditions, and geometry of the original installation. Access pits are excavated on each end of the pipe to be replaced. The pipe-bursting machine that pulls the bursting head is located in the machine pit. The new or product pipe and bursting head are inserted into the existing or host pipe at the insertion pit, which is located at the other end of the pipe.

Machine pits are typically 12-feet long by 6 to 8-feet wide, but can vary in size depending on the size and type of the pipe bursting equipment used. The insertion pit has a flat section and a sloped section that runs from the bottom of the pit to the ground surface. The length of the flat section is typically 12 times the outside diameter of the replacement pipe and the length of the sloped section is typically 2.5 times the depth.

Sections of the product pipe are fused or connected for a continuous installation. The end of the product string is attached to the bursting head, which is attached to the drive rod string, which is attached to the bursting machine in the machine pit. The bursting machine then pulls the drive string. As the bursting head advances, the host pipe is burst and the product line is simultaneously installed. Other bursting methods employ a pneumatic bursting head that “hammers” the pipe forward rather than being pulled. The static bursting system or pneumatic pipe bursting system employed must be capable of delivering the required bursting forces necessary to fragment the existing pipe, push the broken pieces into the ground, and simultaneously install the new HDPE replacement pipe.

The bursting force and equipment capacity of the pipe bursting equipment is a function of the replacement section, which is the length of pipe to be bursted and replaced between the machine pit and the installation pit. Longer replacement sections require larger-capacity equipment. The length of the replacement section is also a function of the geometry of the existing pipe to be replaced. Pipe bursting can accommodate only gradual horizontal curves. A replacement section must be terminated at a tight bend.

The depth of cover is important in pipe bursting especially when the existing pipe lies below an asphalt road because the bursting head can cause an upheaval (surface hump) of the asphalt surface if there is insufficient cover. The potential for upheaval is also a function of soil density. Less dense (softer) soils can absorb more of the uplifted soil and pipe fragments and this decreases the upheaval potential. The potential for upheaval is greater for ground covers less than 4 feet. This is typically not an issue with sanitary sewers as they are usually installed deeper than 4 feet.

Minor surface upheaval can be rectified by rolling down the hump with an adequately-sized road roller on a relatively hot day. Where the potential for upheaval exists, the Contractor can drill a relief bore hole above the host pipe to absorb the soil displacement caused by the bursting head, but this adds construction cost.

The sections of the HDPE pipe are fused together and the entire length of replacement pipe for a given replacement section is strung out directly behind the installation pit, i.e. a 300 lf replacement section would have 300 feet of pipe strung out behind the installation pit. Traffic control would be required for the installation pit and the pipe layout area behind the pit as well as at the machine pit. One lane of traffic or a bike lane would need to be closed down in these work areas.

Pipe installed within a steel casing via bore and jack construction cannot be replaced through pipe bursting because the steel casing does not allow sufficient space for pipe fragmentation. Concrete encasement may also preclude pipe bursting for that specific pipe segment depending on the thickness of the encasement. Utilities that are too close to the bursting “sphere of influence” would need to be relocated prior to bursting. Also, sewer laterals would have to be removed within the sphere of influence, and then reconstructed and connected to the new sewer.

For straight runs, pipe bursting can be implemented as a continuous installation through existing manholes. The manholes would then need to be rehabilitated and sealed after the bursting is complete. Pipe bursting can be



more cost effective than open cut excavation, if you have long sections of straight sewers that can accommodate long continuous installations. Often times pipe bursting can be faster than open cut construction because there is significantly less excavation and pavement replacement. Pipe bursting could conceivably be 20 to 25% faster than open cut construction depending on actual conditions.

However, if the sewer segments are in residential areas with many lateral connections, then the length of installation must be shortened, which adds construction time and cost. The shortened installation length and the cost to dig up and reconstruct laterals in the area of influence typically make open-cut excavation more cost effective in residential areas with many sewer laterals.

Earth Tool Company and Miller Pipeline Corp. are two of the manufacturers of pipe bursting equipment on the market. Earth Tool Company manufactures Hammerhead™ moles and various pipe-bursting products that are marketed through Vermeer dealerships located throughout the United States and internationally. Miller Pipeline Corp. manufactures the XPANDIT pipe bursting system.

SEWER REHABILITATION VIA TRENCHLESS TECHNOLOGY USING EXISTING PIPE AS HOST

Cured-in-Place lining, segmental sliplining, spiral wound sliplining, and tight-fit lining are trenchless technologies that utilize the existing pipe as a host pipe in the pipe rehabilitation process. The liner of each of these systems can provide complete structural support, i.e. assume all dead, live, and construction loads as well as any surcharge pressures, independent of any structural support remaining in the host pipe. All of these technologies are typically less expensive than sewer replacement via open-cut excavation and via pipe bursting. However, the pipe flow area is reduced to some degree by a reduction in pipe diameter with each of these technologies.

With each of these trenchless technologies, the surface and ground depth in the vicinity of a sewer to be rehabilitated is significantly less disturbed compared with open cut excavation. These technologies avoid most conflicts with adjacent and crossing utilities and pipelines, and also avoids most surface disruptions to traffic, property, and the surrounding environment in general. Some of these trenchless technologies utilize existing manholes to conduct the rehabilitation. In some cases, pits must be excavated to accommodate liner insertion into the host pipe. These technologies are described as follows:

CURED-IN-PLACE PIPE LINING

In the Cured-in-place pipe (CIPP) lining process, a liner composed of a fabric reconstruction tube impregnated with a thermosetting resin is inserted into the pipe to be repaired through an existing manhole, an excavated pit, or another entry point. The tube is either winched or inverted into place with water pressure. Injected steam or hot water cures the resin and shapes the tube into the form of the existing pipe. Application of heat hardens the resin after a few hours, forming a jointless inner pipe surface. The rehabilitation liner serves to repair the deteriorated structure of the existing pipe.

The lining process requires no excavation if existing manholes are available as insertion pits. The process can accommodate pipe bends up to 90 degrees. The pipe requires careful cleaning and video inspection prior to installation. Flow bypassing is required with CIPP because the existing pipe is rehabilitated.

Service laterals remain connected to the host pipe during the rehabilitation process, but the laterals are out of service until openings can be cut through the CIPP lining at the connection points. A camera with a cutting device is run through the lined pipe to reopen the laterals remotely. Dimples occur in the CIPP lining prior to curing that indicate the lateral connection points. With some other trenchless technologies such as sliplining with a rigid lining material, dimples do not occur, and the lateral locations must be surveyed as part of the pre-work video inspection



in order to map out the lateral locations. This makes lateral connection more efficient for CIPP relative to these other trenchless methods.

Several companies have developed CIPP systems and these systems vary in material type, coating type and method of construction. Most of the fabrics are made of woven or non-woven (needle punched) polyester. Other materials such as fiberglass are sometimes incorporated into the fabric as reinforcement. Tubes are typically layered with at least one fabric layer and another layer, which is impermeable to the flow of the liquid resin.

The resin is typically unsaturated polyester. Vinyl ester and epoxy resins are sometimes used for better corrosion resistance or for unusual thermal conditions. The composition of the resin material can be varied to meet specific design conditions. Fabric tubes are manufactured to be the same size or slightly smaller than the inner diameter of the existing pipe to be rehabilitated. The saturated fabric stretches to conform to the inner surface of the pipe. Some mechanical bonding of the resin to the inner pipe surface does occur. The structural performance of the liner depends on the thickness of the liner as well as upon the condition of the existing pipe to a certain extent.

Insituform Technologies Inc., Nu Flow Technologies, Inc., Inliner Technologies, are some of the CIPP manufacturers on the market. As an example, Insituform installations have been accomplished in pipe sizes up to 108 inches. Insitupipe is a gravity CIPP lining system manufactured by Insituform that is designed to accommodate specific pipe conditions and structural requirements. The thickness of the Insitupipe varies from 0.12 to 1.59 inches as required by each project. The physical characteristics of the finished Insitupipe are largely a function of the resin system used.

Resin systems used in the Insituform process are unsaturated polyesters, vinyl esters, and epoxies. The resin is specifically designed on a project-by-project basis and the type selected is dependent on pipe function and condition among other factors.

TRADITIONAL SEGMENTAL SLIPLINING

In the traditional segmental sliplining process, a polyethylene or PVC liner of a slightly smaller diameter is inserted into an existing pipeline and the annulus between the two pipes is grouted to form one unified pipe. Sliplining can be used if the host pipe does not have excessive joint settlements, severe misalignments, or large deformations. The host pipe should be relatively straight between the insertion pit and the receiving manhole. The new pipe can form a continuous watertight pipe within the existing pipe after installation.

In segmental sliplining, individual sections of pipe (typically 15-feet in length) are pushed into the host pipe at insertion pits that are strategically located at points along the host pipeline alignment. The liner pipe is inserted fully rounded into the host pipe, with new segments added on and pushed through as needed. Pushes approaching 3,000 feet of pipe have been reported. The pipe liner segments are typically joined with tongue and groove joints. Lap joints are used with some liners. After the new pipe is positioned in place, the annular space is grouted.

It is necessary for the host pipe to reasonably straight and reasonably round, as slip liners are not pliable inserts. Some adaptation to bends in the pipe is possible through the use of short segments. Also, the liner can be deflected up to 2 degrees at each joint. However, sliplining is more practical for straight pipe segments.

An insertion pit must be excavated large enough to accommodate the pipe segment being inserted. An insertion pit on the order of 20 feet long by 8 feet wide by the depth of the host pipe is required to insert 15-foot pipe segments. The need for excavated insertion pits is a disadvantage compared with other technologies that are able to utilize existing manholes for liner insertion, i.e. spiral wound sliplining, cured-in-place liners, and fold and form liners.



The annulus space between the host pipe and the liner pipe represents a loss of hydraulic capacity for the pipe. As a potential offset to this lost hydraulic capacity, the newer and smoother sewer lining would offer less friction than the existing sewer pipe surface, but because a slime layer eventually builds up on any sewer pipe surface, increased capacity due to a smoother pipe surface might not be significant. However, sliplining an existing VCP sewer would eliminate headloss associated with the VCP pipe joints as the slipline would have nearly seamless joints.

An advantage for sliplining relative to CIPP, is that sliplining can take place with flow in the existing pipe, whereas CIPP requires damming of an upstream manhole and/or flow bypassing to ensure that the existing pipe is free of all flow. For sliplining to occur with flow in the pipe, the maximum low depth in the existing pipe should not exceed approximately 30% of the pipe diameter.

Service laterals remain connected to the host pipe during the rehabilitation process, but the laterals are out of service until openings can be cut through the CIPP lining at the connection points. A camera with a cutting device is run through the lined pipe to reopen the laterals remotely. The lateral locations must be surveyed as part of the pre-work video inspection in order to map out the lateral locations.

Lamson Vylon Pipe (PVC), Hobas (RMP), and Polypipe (PE) are some of the slipline manufacturers on the market. For example, Lamson Vylon Pipe manufactures a PVC slipliner pipe with an I-beam profile wall and gasketed joints rated for 11 psi. The pipe is available in diameters ranging from 21 to 48 inches. The standard pipe length is 15 feet. Lamson Vylon Pipe also manufactures a PVC slipliner pipe called "The Insider." The pipe is available in diameters ranging from 12 to 18 inches. The joint is a flush joint system with elastomeric seals. The pipe is very similar to SDR 35 pipe. The pipe is not pressure rated and it is suitable only for gravity-flow.

SPIRAL-WOUND SLIPLINING

In spiral-wound sliplining a winding machine helically winds a PVC strip into a tube which is simultaneously propelled directly into the existing host pipe. The spiral wound PVC pipe liner is composed of an extruded PVC profile strip with dual male and female locking elements on opposite sides of the strip. The profile strips have a ribbed design and range in width from 3.35 to 4.96 inches, which translates to a large number of joints. The profile strip, which is stored on a spool, is fed into an existing manhole via a winding machine. The winding machine forms the profile strip into a spiral pipe of a specified fixed diameter by sealing the male and female locking elements.

There is an expandable pipe liner version in which the pipe liner is expanded radially until the liner contacts the host pipe. This version is primarily applicable to sewers less than 24 inches in diameter. In the second version, the pipe liner remains a fixed diameter less than the inside diameter of the host pipe and grout is injected to fill the annulus between the two pipes. This second version, which can incorporate a steel reinforcing strip, is primarily applicable to sewers greater than 24 inches in diameter.

In the expansion version, after the liner is fully expanded, sealant is applied to the ends of the pipe. As discussed below, service connections are re-established similar to segmental sliplining. However, the ribbed profile of the spiral wound pipe liner creates small voids around the circumference of the connection that must be sealed.

In the fixed-diameter version, a secondary lock for the sliplined machine spiral wound PVC pipe liner remains intact in order to hold the pipe liner at a fixed diameter. The profile strips have a higher stiffness than the strips used for the expansion version. The maximum outside diameter of the fixed-diameter liner is limited to 2 inches less than the inside diameter of the existing pipe to ensure proper placement of grout.



An advantage of spiral-wound sliplining relative to segmental sliplining is that the liner can be inserted at existing manholes. The tube or liner is made in one continuous length from manhole to manhole. Unlike segmental sliplining, spiral-wound sliplining can accommodate pipe bends and more severe pipe deformations due to the flexible nature of the winding process.

Service laterals remain connected to the host pipe during the rehabilitation process, but the laterals are plugged and out of service until openings can be cut through the lining at the connection points. A camera with a cutting device is run through the lined pipe to reopen the laterals remotely. The lateral locations must be surveyed as part of the pre-work video inspection in order to map out the lateral locations.

Like segmental sliplining, spiral-wound sliplining can take place with flow in the existing pipe. For sliplining to occur with flow in the pipe, the maximum low depth in the existing pipe should not exceed approximately 30% of the pipe diameter.

Danby of North America, Inc (Twin Lock) and PipeTec, Inc. (Rib-Loc) are two of the spiral-wound sliplining companies.

TIGHT-FIT LINING

A roll-down, die-reduction, or a folded-pipe lining process are similar trenchless technologies that are all included under a “tight-fit” classification by AWWA. In the tight-fit technologies, HDPE of a diameter either slightly greater or approximately the same diameter as the host pipe is reduced in diameter or deformed by mechanical means so that it can then be pulled through the host pipe. The HDPE pipe then expands naturally or is expanded to nearly its original diameter to fit tightly within the inside diameter of the host pipe. In contrast to segmental sliplining and fixed-diameter spiral-wound sliplining, these processes minimize the loss of inside diameter and eliminate the need for grouting as no annular space is left between the HDPE and the host pipe.

The equipment to perform the “roll-down” method consists of winching equipment used to pull the HDPE through the existing pipe and a roll-down box (a series of mechanical rollers) that physically rolls the outside diameter of the HDPE down to provide clearance to the inside diameter of the host pipe. Once rolled down, the HDPE is maintained under tension to prevent expansion as it is winched through the host pipe. When the entire run is installed, tension is released and the HDPE gradually returns to its original outside diameter and is a close fit to the host pipe.

The HDPE pipe is typically oversized by approximately 10% relative to the inside diameter of the host pipe because the original diameter is sometimes not achieved in the subsequent expansion, i.e. the HDPE sometimes expands to a diameter that is slightly less than its original diameter.

Factory produced lengths of HDPE are delivered to the jobsite, where they are fusion welded together to produce the full length of pipe for a specific installation or “pull.” An entrance pit is excavated at the beginning of the rehabilitation area. A pit width of at least 5’ is required. The length is generally 4 times the depth to invert, and may taper to grade away from the pipe. The length is to allow the stiff HDPE pipe to transition from surface elevation to centerline of pipe.

A receiving pit is excavated at the termination point. This pit length is typically in the 10 to 15-foot range. The winching equipment is set up at the receiving end and the roll down box is located at the entrance pit. The winch line is run through the pipe to connect the HDPE pipe to the winching equipment. The HDPE pipe is pulled through the roll down box and into the host pipe by the winch, with the line under continuous tension to maintain size and



clearance with the host pipe. Once the line is installed, tension is released and the HDPE pipe gradually resumes its original outside diameter, which is in close fit with the host pipe.

The length of an installation pull is dependent on the geometry of the host pipe. The HDPE pipe can usually be pulled through horizontal curves on the order of 5 to 7 degrees. However, depending on where the curve occurs in the pull, the condition and material of the host pipe, and other factors, larger curves up to 22 degrees have been achieved in some installations. A run must be terminated and a pit located at bends that cannot be pulled. Also there is a maximum length of straight pipe that can be pulled. Pulls up to 1,500 lf have been accomplished. Project cost and construction time increase as the number of pits required on a project increases.

A “die-reduction” lining method is very similar to roll-down with the exception that the HDPE pipe is pulled through a static reduction die instead of mechanical rollers. United Pipeline Services, which is a wholly owned subsidiary of Insituform Technologies, Inc., is one of the companies that perform roll-down pipe rehabilitation (Tite Liner). Swagelining is a patented die-reduction lining method. ARB, Inc. Constructors is a company that performs pipe rehabilitation using Swagelining.

The fold-and-formed lining process is similar in concept to the other tight-fit lining systems. In the fold-and-formed pipe (FFP) lining process, a folded thermoplastic relining product is inserted into the pipe to be repaired through an existing manhole or another entry point. The thermoplastic material, typically extruded PVC or HDPE, is folded into a U-shape to produce a smaller net-cross-sectional area so it can be more easily inserted into the existing pipeline.

After the plastic-liner pipe is inserted, hot water or steam is applied to expand the liner pipe into a snug fit with the host pipe (rounding). The liner is then gradually cooled while held in place by internal pressure. As it cools, the liner pipe interlocks with the irregularities of the host pipe. Although tight, mechanical bonding between the liner and the host pipe does not occur.

Subcoil as developed by Subterra is a folded-liner pipe in which the HDPE pipe is factory folded and held in a heart shape by restraints. The folded liner pipe is then inserted into the existing host pipe. Once inserted, the folded-pipe liner is pressurized to snap the restraints allowing it to revert back to its original circular shape. The expanded HDPE pipe then forms a tight fit with the host pipe. Doty Brothers is a company that performs pipe rehabilitation using the Subterra folded liner pipe. Kinsel Industries, which is a wholly owned subsidiary of Insituform Technologies, Inc., also installs a folded-pipe liner called Close Fit.

All of these tight-fit lining systems are similar to segmental sliplining in that: 1) it is necessary for the host pipe to reasonably straight and reasonably round, as the liners are not pliable inserts; 2) an insertion pit must be excavated large enough to accommodate the pipe segment being inserted; 3) lining can take place with flow in the existing pipe; and 4) service laterals remain connected to the host pipe during the rehabilitation process, but the laterals are out of service until openings can be cut through the lining via a camera with a cutting device.

These processes are typically a little more expensive than traditional segmental sliplining. However, there is less loss in hydraulic capacity as a result of a reduction in pipe diameter.

SUITABILITY OF TRENCHLESS TECHNOLOGIES

Some agencies, i.e., Los Angeles County Sanitation Districts (LACSD), typically rehabilitates sewers greater than 48 inches in diameter by sliplining with segmented plastic pipe and then grouting the annulus between the pipes because 1) these large sewers carries large flows and flow bypassing is not practical in most cases, and 2) a loss in diameter is not as significant with these larger pipes. LACSD typically rehabilitates sewers between 27 and 42



inches in diameter by CIPP or sliplining. The advantage to using CIPP is that it has minimal impact on capacity. Traditional segmental sliplining begins to negatively impact sewer capacity in these pipe sizes.

For sewers 24 inches and smaller, LACSD typically utilize CIPP, the expansion-version spiral-wound sliplining, and any of the tight-fit lining systems.

There have been reported troubles with wrinkles and folds using CIPP on larger diameter sewers, but no such troubles using CIPP on smaller diameter sewers. Tight-fit lining systems can typically be installed more quickly than CIPP and has better quality control in terms of material properties than CIPP liner. However, CIPP can be less expensive than a tight-fit technology and offers advantages such as more efficient re-establishment of service laterals. Traditional segmental sliplining can be less expensive than the CIPP or tight-fit lining technologies on a given project. However, segmental sliplining results in a greater loss in pipe diameter.

Given the specific conditions of a given sewer rehabilitation project, several of these trenchless technologies could be effective and price competitive on the same project. Some technologies might be excluded on a specific project, if a reduction in pipe diameter cannot be tolerated, if flow bypassing is not practical, or because of specific deformations of the existing sewer among other factors to consider in the design process.

OTHER TYPES OF SEWER REPAIRS

Often times a sewer segment will be in overall good condition with the exception of severe defects that occur at a specific location or several locations along the segment. These point defects include broken pipe, severe cracking, or other damage that occurs within a limited length of pipe, i.e. approximately 5 linear feet or less. If there are a limited number of these spot defects, then it is more economical to excavate and repair these specific locations rather than to replace the entire sewer segment. If there are four or more such locations in a 300 or 400 If sewer segment, then it becomes more practical to replace the segment.

Because CIPP forms against the existing pipe wall, most point defects need to be repaired prior to lining the sewer. Most point repairs also need to be made in front of spiral wound sliplining. If the damage is not overly severe, then sometimes these repairs do not need to be made in front of segmental sliplining and possibly some types of tight-fit lining systems. However, if a sewer is collapsed at a point, then this repair will need to be made prior to any lining method.

Unauthorized sewer lateral connections (also referred to as break-in taps) are often discovered when a sewer is videotaped. As opposed to factory taps, unauthorized taps are often crudely hammered into the sewer. Wet-weather infiltration can enter the sewer via the unsealed and often cracked periphery of the connection. Sometimes these unauthorized connections were made to collect storm water from house roof drains and other area drains. In these cases, they become a major source of wet-weather inflow. Wet-weather inflow and infiltration can overflow and surcharge a sewer and can lead to sewer overflows.



The connection could also prove to be some type of chemical or hazardous waste drain. In rehabilitating these unauthorized connections, the lateral pipe should be smoke tested to see what it is connected to. If it is found to be connected to storm drain or some other inappropriate drain, then the lateral should be disconnected and the sewer should be plugged and repaired at the point of connection. The owner of the inappropriate drain should then be required to reroute the discharge to an appropriate receiving connection. If connected to a sanitary sewer, the connection can be reconnected, sealed and repaired as required to block infiltration into the sewer.

SEWER REPLACEMENT & REHABILITATION UNIT COSTS

Planning level unit construction cost estimates for sewer replacement and rehabilitation are shown in Table 4-1. These unit costs will be used to develop planning level project cost estimates to develop Capital Improvement Program costs for this Master Plan. These unit costs do not include project mobilization, which will need to be added to project cost estimates. Project mobilization is estimated at 5 to 10% of the total project construction cost depending on the size and complexity of the project. All sewer rehabilitation and replacement unit costs shown in Table 4-1 include re-establishment of service laterals. Costs for all rehabilitation methods include heavy sewer cleaning, pre, and post rehabilitation sewer videotaping.

Design-level cost estimates will need to be developed to refine project costs based on project conditions determined during the design phase of each project. For example, soil conditions determined in the design phase might preclude pipe bursting as a possible sewer replacement.



Table 4-1: Unit Construction Costs for Sewer Replacement or Rehabilitation

Replacement or Rehabilitation Method	Unit Costs per Sewer Diameter (in)				
	8"	10"	12"	15"	18"
CIPP(b)	\$55/lf	\$62/lf	\$68/lf	\$105/lf	\$140/lf
CIPP (bypass)	\$3	\$4	\$5	\$10	\$15
Segmental Slipline(b)(c)(d)	\$70/lf	\$78/lf	\$85/lf	\$110/lf	\$145/lf
Expansion Spiral Wound Slipline(b)(c)	\$75/lf	\$83/lf	\$90/lf	\$115/lf	\$150/lf
Tight-Fit Lining(b)(c)(d)	\$75/lf	\$83/lf	\$90/lf	\$115/lf	\$150/lf
Rehab Break-in Tap	\$7,000/ea	\$7,000/ea	\$7,000/ea	\$7,000/ea	\$7,000/ea
Sewer Point Repair	\$7,000/ea	\$7,000/ea	\$7,500/ea	\$8,000/ea	\$8,000/ea
Pipe Bursting(b)(d)	\$165/lf	\$180/lf	\$215/lf	\$250/lf	\$300/lf
Open-Cut Sewer Replacement(b)	\$180/lf	\$210/lf	\$240/lf	\$275/lf	\$340/lf
Open-Cut Parallel Sewer(b)	\$158/lf	\$170/lf	\$205/lf	\$240/lf	\$295/lf
Bypass for Pipe Bursting or Open-Cut Replace	\$3/lf	\$4/lf	\$5/lf	\$10/lf	\$15/lf
Open-Cut Pavement Replacement	\$13/lf	\$14/lf	\$15/lf	\$16/lf	\$17/lf
Open-Cut Traffic Control 1) Residential Street 2) Arterial Street	\$3/lf \$7/lf	\$4/lf \$7/lf	\$5/lf \$8/lf	\$5/lf \$9/lf	\$5/lf \$10/lf
Bore and Jack(e)	\$800/lf	\$900/lf	\$1,000/lf	\$1,200/lf	\$1,500/lf

- a) For all items, project mobilization not included, which is estimated at 5 to 10% of total project construction cost
- b) Including re-establishment of service laterals
- c) Estimated that flow bypassing will not be necessary as construction work will be done during low flow periods with flow in the pipe
- d) Includes installation pit excavation, pavement replacement and traffic control
- e) Includes installation and receiving pit excavation, pavement replacement and traffic control
- f) Alternative. Flow conditions might make CIPP less attractive as a rehabilitation method if extensive flow bypassing is required, etc.

For planning purposes, it is estimated that CIPP is slightly less expensive than the other trenchless technologies for rehabilitating 8-inch, 10-inch and 12-inch sewers especially if flow bypassing can be limited by low flows or possibly eliminated if damming an upstream manhole during installation and curing is possible. It is also estimated that segmental sliplining is slightly less expensive than expansion spiral-wound sliplining or tight-fit sliplining. The slightly higher cost could be warranted if a reduction in pipe diameter cannot be tolerated.



It is estimated that segmental sliplining and even spiral-wound sliplining or tight-fit sliplining can become more cost effective relative to CIPP for sewer diameters greater than 12 inches if extensive flow bypassing is required. Expansion spiral-wound sliplining and tight-fit lining are estimated to be more expensive than segmental sliplining at all diameters. However, these two methods or CIPP might be required if the reduction in diameter resulting from segmental sliplining cannot be tolerated.

Construction conditions as determined in the design phase might preclude a rehabilitation method from inclusion in the contract bid. However, it would be appropriate to include as many of these rehabilitation methods in a competitive bid as warranted if there are no fatal flaws with the rehabilitation method specific to the project. In a competitive bid environment, any of the viable rehabilitation methods could conceivably end up having a lower cost.

The costs to excavate and make point repairs for breaks, severe misalignment, severe cracking, or other damage that occurs within a limited length of pipe, i.e. approximately 5 linear feet or less, are also shown in Table 4-1. If there are four or more such locations in a 300 or 400 lf sewer segment, then it typically becomes more cost effective to replace the segment. Point repairs will need to be made prior to conducting lining rehabilitation depending on the severity of the defect and the type of rehabilitation method used.

The costs to smoke test an unauthorized lateral connection (break-in tap) and then repair and seal the sewer at the point of connection are shown in Table 4-1. It is assumed that the cost to reroute an unauthorized lateral connection to an appropriate receiving location will be burdened by the owner of the unauthorized lateral connection.

For planning purposes, it is estimated that pipe bursting has the same unit cost as sewer replacement by open-cut excavation. However, the unit costs for pipe bursting includes installation pit excavation, pavement replacement, and traffic control, whereas pavement replacement and traffic control are additional costs for sewer replacement by open-cut excavation as shown in Table 4-1. Flow bypassing is an additional cost for both sewer replacement by open cut excavation and pipe bursting in Table 4-1.

The cost to construct a parallel sewer is estimated to be less expensive than the cost to construct a replacement sewer of the same size. In constructing a parallel sewer, the need to perform bypass pumping is greatly reduced and in some cases might be eliminated altogether. Additionally, sewer laterals on the side of the existing sewer away from the parallel sewer can remain connected to the existing sewer, or if they are to be connected to the new sewer, the connections can be made after the new sewer has been constructed. Sewer laterals on the side of the existing sewer where the parallel sewer is being constructed will typically need to be connected to the new sewer at the end of each workday.

The estimated cost to employ bore and jack construction to go below major road intersections and major surface obstructions such as railroad tracks, freeways, etc., are also shown in Table 4-1

MANHOLE REHABILITATION

During rain events, rainwater can enter the sanitary sewer system through cracks in the pipe, and this leakage is referred to as infiltration and inflow. Infiltration and inflow typically increases as the sanitary sewer system gets older. Infiltration and inflow is a problem because it dilutes the sewage, which can decrease the efficiency of the wastewater treatment. It also increases the volume of sewage, which may exceed the treatment capacity at the wastewater treatment plant.



There are several different methods of rehabilitating manholes, and the rehabilitation method selected depends on the condition of the manhole. The most common rehabilitation methods are:

Replacing frame and cover — the metal circular lid for the manhole that is supported by a metal frame — and the steps, which are used to go up and down the manhole.

Spraying cementitious mortar to the inside of the manhole. The mortar is applied all around the inside of the manhole and then brushed to provide a smoother surface.

Spraying an epoxy liner to the inside of the manhole.

Additional methods include sealing and grouting the manhole, adjusting the height of the manhole, and repairing the interior bottom of the manhole. If a manhole is found to have multiple defects, it may be more cost effective to replace the manhole. This is especially true for older manholes that are at or beyond their design life.

MANHOLE REPLACEMENT & REHABILITATION UNIT COSTS

Planning level unit construction cost estimates for manhole replacement and rehabilitation are shown in Table 4-2. These unit costs will be used to develop planning level project cost estimates to develop Capital Improvement Program costs for this Master Plan. These unit costs do not include project mobilization, which will need to be added to project cost estimates. Project mobilization is estimated at 5 to 10% of the total project construction cost depending on the size and complexity of the project.

Table 4-2: Unit Construction Costs for Manhole Replacement or Rehabilitation ^(a)

Replacement or Rehabilitation Method	Unit Cost
Manhole Replacement	\$10,000
Manhole Rehabilitation	\$7,000

a). Not including project mobilization, which is estimated at 5 to 10% of total project construction cost



CHAPTER 5 SEWER CCTV INVESTIGATIONS

OVERVIEW

As part of the Master Plan, 222,000 linear feet (54.8 miles) of City sewers were videotaped using closed circuit television (CCTV), which is approximately 100% of the City's total collection system. The sewer CCTV inspections were conducted in order to identify defects, rate defects, and then incorporate recommended improvements into the Capital Improvement Program. Sewers videotaped as part of this project are shown on Figure 5-1.

As part of the Sewer Master Plan, the sewer inspection reports were reviewed; sewers with significant structural defects were prioritized for rehabilitation or replacement; and the recommended projects were included in the Capital Improvement Program, which is discussed in Chapter 6.

Sewer structural defects include cracked pipe, broken pipe, offset joints, and unauthorized service connections (break-in taps). Sewer operation and maintenance (O&M) defects including heavy roots and grease deposits can lead to sewer blockages that can then lead to overflows. Sewer defects can undermine the integrity of the sewer system infrastructure; can allow wastewater to exfiltrate into the soil and groundwater; and can allow excessive rainwater in the form of inflow and infiltration to enter the sewer leading to potential overflow conditions.

SEWER CCTV INSPECTIONS

The Pipeline Assessment and Certification (PACP) assessment and rating system developed by the National Association of Sewer Service Companies (NASSCO) was used to assess and categorize sewer defects. NASSCO is a non-profit trade association consisting of contractors, manufacturers/ suppliers and professionals (engineers, cities, etc.) involved with many sewer technologies. The PACP Condition Rating System provides condition ratings for sewer structural defects, and operation and maintenance defects. Grades are assigned for each category based on the grading criteria shown in Table 5-1.

The Pipe Defects Rating is the addition of all grade defect occurrences multiplied by their respective grade levels for a given pipe segment (a pipe segment is the length of sewer pipe between two manholes). For example, a pipe with four Grade 5 occurrences, three Grade 3 occurrences, and three Grade 1 defects with no other defects found would have a Pipe Defects Rating of 32. The Pipe Defects Rating Index is the Pipe Defects Rating divided by the total number of defect occurrences. In the example above, the Pipe Defects Rating Index would be 3.2 (32 divided by 10). The Pipe Defects Quick Rating is the number of occurrences of the two highest grades. In the above example, the Pipe Defects Quick Rating would be 5(4) 3(3). This is true for both the "Structural" as well as the "O&M" categories. The difference between the Structural and O&M categories is the type of defects they consider. Structural defects consist of anything that has to do with the structural integrity of the pipe. These include cracks, offset joints, holes, fractures, etc. O&M defects deal with the overall operation and maintenance of the pipe and include roots, grease, obstacles, etc.



Figure 5-1: CCTV Inspection Map

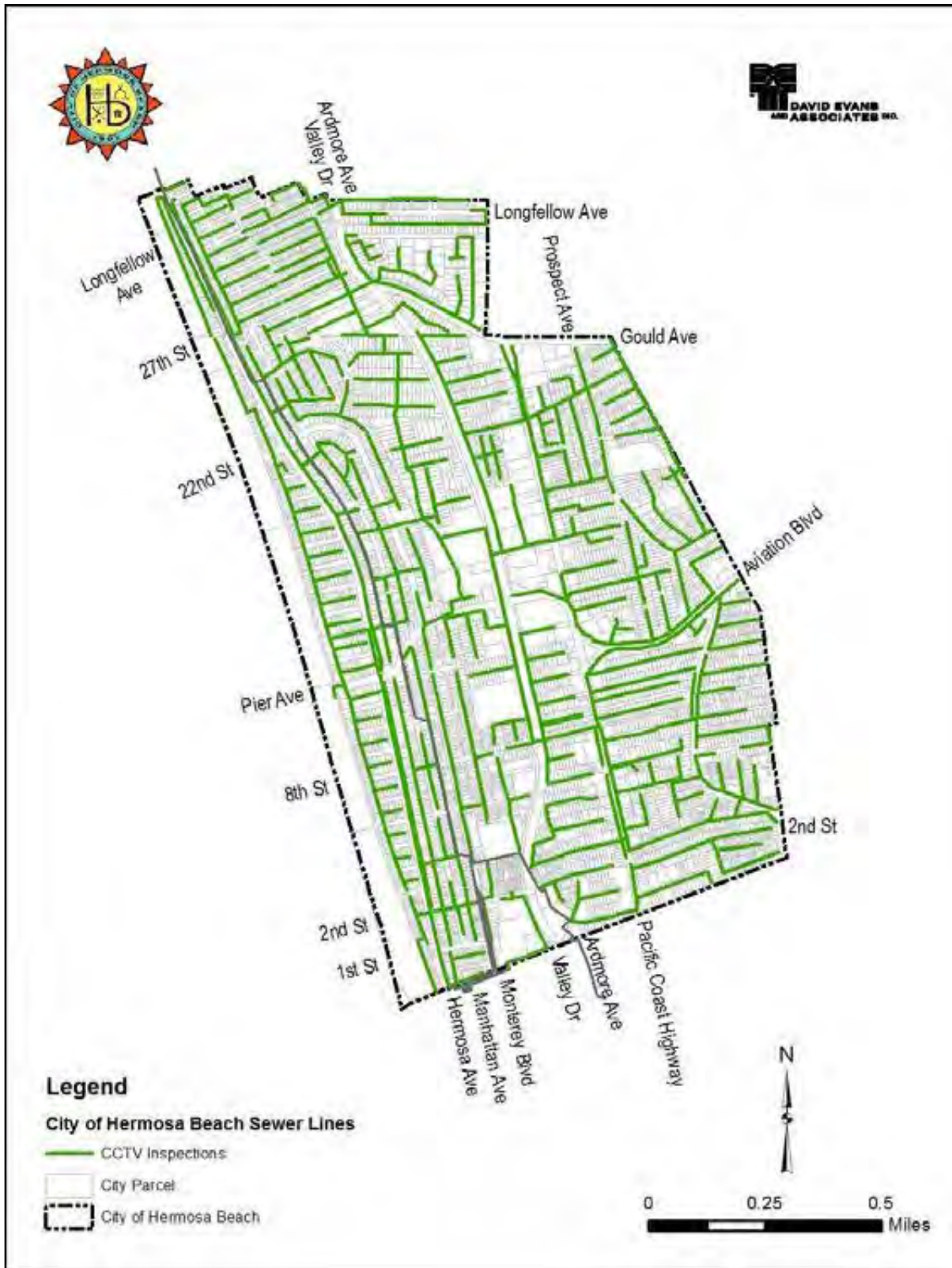


Table 5-1: Sewer Defect Grade Descriptions

Defects Grade	Description
5 – Severe	Severe defects requiring immediate attention
4 – Heavy	Defects that will become Grade 5 in the near future
3 – Moderate	Defects that will continue to deteriorate
2 – Fair	Defects that have not begun to deteriorate
1 – Light	Minor defects

The PACP continuous defect feature is used to denote where long portions of a sewer pipe are affected by the same defect, without the user having to repetitively enter point defects. The equivalent number of uninterrupted and joint repeating continuous defects is converted to equivalent point defects by dividing the length of the continuous defect by 5. For example, a 250-foot-long continuous defect, Grade 3, would equate to 50 equivalent Grade 3 point defects.

The sewers were rated separately for structural defects and O&M defects. Both were sorted by highest Pipe Defects Rating. The ratings for all sewers videotaped as part of the Master Plan are shown in the Appendix.

SEWER STRUCTURAL DEFECTS

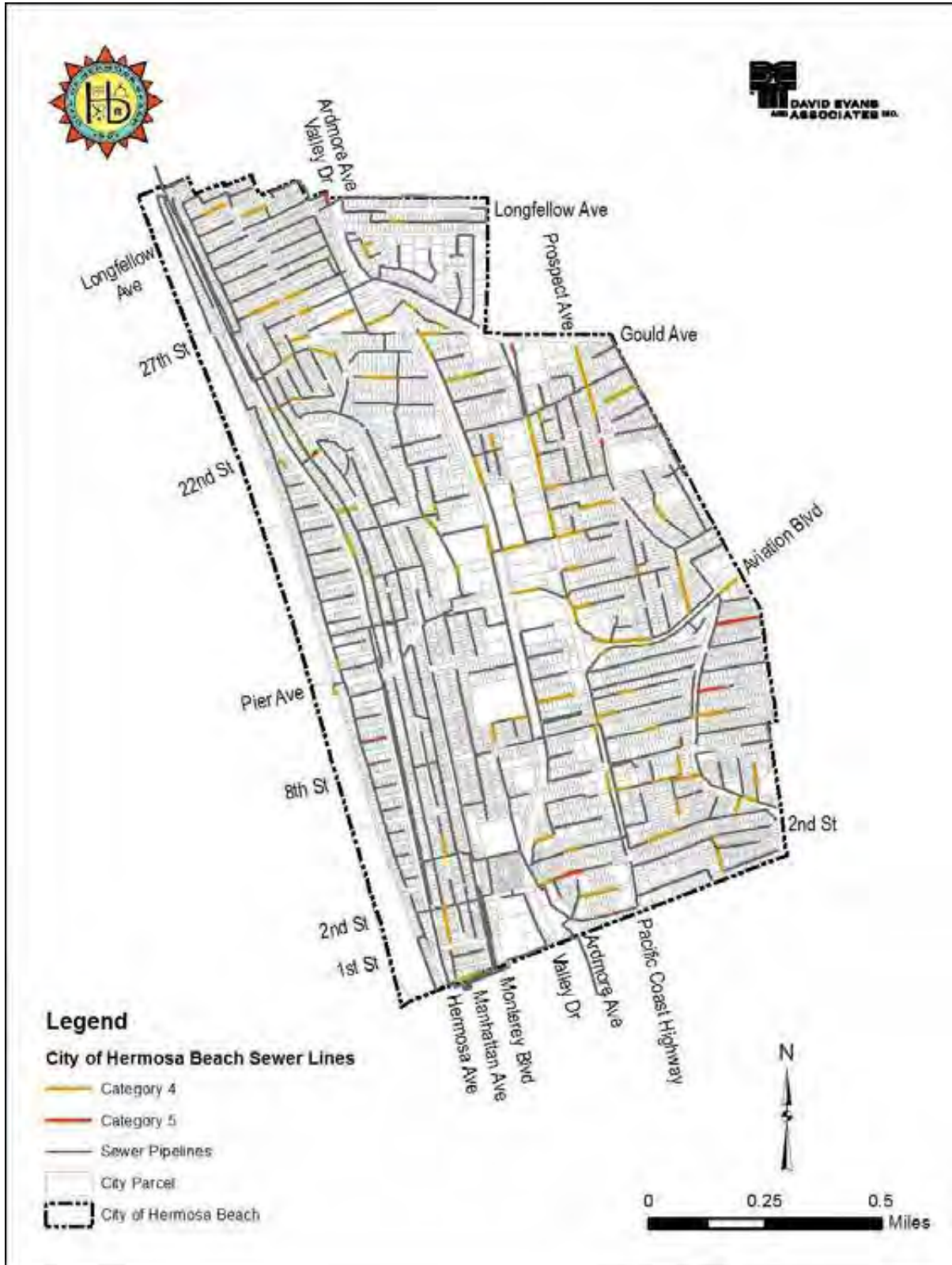
The vast majority of sewers in the City are constructed of non-reinforced Concrete Pipe (CP). A number of sewers were found to have significant structural defects that need to be rectified either by rehabilitation or replacement within the 10-year CIP. In terms of a structural defect, a category 5 defect can be a broken pipe where the soil is visible through the hole in the pipe, or it can be collapsed pipe, or it can be a severe offset joint where the flow way in the pipe is reduced by over 50%. Any category 5 defect is recommended for repair or replacement within the 10-year CIP as a high priority project.

A category 4 defect is a severe fracture or breaking of the pipe that could become a category 5 defect in the near future, or it can be a severe offset joint. An 8-inch or larger sewer segment with a single or multiple category 4 defects was recommended for rehabilitation or replacement, especially if they were occurring in conjunction with multiple category 3 and 2 defects.

A category 3 defect is multiple cracking at a location in the pipe. Multiple cracking can continue to spread, i.e. deteriorate, over time. A pipe segment with many and/or recurring category 3 defects is recommended for rehabilitation. A category 2 defect is a single deep crack where the sides of the crack have separated. A type 1 defect is a single hairline crack that has not separated. Type 2 and Type 1 and many do not need to be repaired in the 20-year CIP, and most likely, will require attention after 10 years or more. Figure 5-2 shows Category 4 and 5 defects as identified during the CCTV inspections



Figure 5-2: Structural Defects by Category



Sewer segments recommended for rehabilitation or replacement within the 10-year CIP are shown on Figure 5-3 and are listed in Table 5-2. The defects to be repaired are associated with videotaped sewer segments totaling 222,000 linear feet (42 miles).

It is more economical to rehabilitate a sewer by installing a liner such as a cured-in-place pipe (CIPP) liner or a polyethylene or PVC slip-liner than to replace the sewer segment with a new sewer segment, as the lining can be installed via trenchless technology and costs from \$55 to \$90/linear foot (lf) for 8 to 12-inch pipe compared with \$185 to \$235/lf for the same diameter range including the costs to excavate, trench, replace pavement, and implement traffic control.

A sewer segment (with an average length of 300 lf) could have one or two Category 5 defects or severe Category 4 defects with the remaining sewer segment having only insignificant defects. Considering the age of the sewer, in some cases, it might be cost effective to implement excavated spot repairs (where only the small length of defective sewer is replaced). However, spot repairs are relatively expensive at approximately \$7,000 to \$8,000 each, and it is usually only cost effective to implement one, and in some cases, two spot repairs on a segment rather than to line the sewer if the point defects can be lined. If the pipe is not collapsed or severely deformed, and a liner can still be implemented with structural integrity and without impeding on the pipe flow area, it is usually better to just line the entire segment, especially if the segment has other defects and is aged.

However, if a pipe has significant number of Category 3, 4 and 5 defects, both structurally and from an OM perspective, and is of significant age, it is better to replace the sewer even if the sewer can still be lined considering the remaining useful life of the sewer segment.

All of the Category 4 and 5 sewer defects were closely evaluated and if they had either: a) significant quantities of structural defects; or b) a combination of structural defects and O&M defects, they were recommended for replacement. Additionally, line segments with Category 1, 2, and 3 were also evaluated both from a structural and from an O&M defects perspective. If these lines were determined to have a combination (structural and O&M) that made them a candidate for replacement, they were identified as such. However, if the combination of structural and O&M defects were not as severe, they were recommended for relining. Finally, if a line segment was deemed as being in good condition, it was not recommended for any rehabilitation.

Once these initial recommendations were finalized and the results were plotted on the collection system map, we then analyzed the recommendations for additional optimization. Optimization includes recommending a segment that is in-between two segments that are targeted for rehabilitation, for the same type of rehabilitation. This is done for two reasons: first, this will lower the overall cost of construction by reducing the contractor's mobilization efforts by providing them with several continuous segments versus several small and isolated segments; second, not replacing a pipe that is in between two targeted segments, however defect free, does not save any money in the long run. The optimized pipe is usually as old as its surrounding pipes and eventually needs to be replaced, so it is better to replace it with its adjoining pipes at the same time.



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Table 5-2: Recommended Sewer Rehabilitation

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
31th PL	47	46	8	33	CP	5100	0	0	Replace Line	LF	200	33	\$ 6,600	\$ 9,900
ARDMORE AVE	73	72	10	147	CP	5100	0	0	Replace Line	LF	235	147	\$ 34,545	\$ 51,800
OZONE CT EASEMENT	116	112	8	87	VCP	4100	4	4100	Replace Line	LF	200	87	\$ 17,400	\$ 26,100
19TH ST	325	324	8	254	CP	5200	17	1B00	Replace Line	LF	200	254	\$ 50,800	\$ 76,200
20TH ST	327	323	8	201	CP	5100	25	221C	Replace Line	LF	200	201	\$ 40,200	\$ 60,300
20TH PL	329	322	8	402	CP	5100	1	1100	Replace Line	LF	200	402	\$ 80,400	\$ 120,600
25th ST	586	509	8	128	CP	5200	7	4113	Replace Line	LF	200	128	\$ 25,600	\$ 38,400
AVA AVE	749	744	8	199	CP	5100	5	4111	Replace Line	LF	200	199	\$ 39,800	\$ 59,700
PROSPECT AVE	784	784A	8	229	VCP	5100	0	0	Replace Line	LF	200	229	\$ 45,800	\$ 68,700
16TH ST	794	752	8	227	CP	4421	5	5100	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
16TH ST	795	794	8	109	CP	5200	3	3100	Replace Line	LF	200	109	\$ 21,800	\$ 32,700
GOLDEN AVE	832	831	8	203.3	CP	5100	20	3324	Replace Line	LF	200	203	\$ 40,660	\$ 61,000
21st St	1055	1054	8	91	VCP	5100	0	0	Replace Line	LF	200	91	\$ 18,200	\$ 27,300
PALM DR	1068	1067	8	521	VCP	4300	4	4100	Replace Line	LF	200	521	\$ 104,200	\$ 156,300
BEACH DR	1089	1088	8	58	VCP	5100	2	2100	Replace Line	LF	200	58	\$ 11,600	\$ 17,400
OAK ST EASEMENT	0860A	859	8	378	VCP	4100	4	4100	Replace Line	LF	200	378	\$ 75,600	\$ 113,400
MANHATTAN AVE	1070A	1070	6	285	VCP	5100	7	3114	Replace Line	LF	200	285	\$ 57,000	\$ 85,500
11TH ST	637	633	8	250	CP	5100	0	0	Replace Line	LF	200	250	\$ 50,000	\$ 75,000
HERONDO St	172	1001	8	126	VCP	5100	5	4111	Replace Line	LF	200	126	\$ 25,200	\$ 37,800
2ND ST	212	211	8	184	CP	5100	41	3123	Replace Line	LF	200	184	\$ 36,800	\$ 55,200
BARNEY CT-EASEMENT	213	209A	8	133	CP	5100	0	0	Replace Line	LF	200	133	\$ 26,600	\$ 39,900
BARNEY CT	214	213	8	271	CP	4E+32	4	4100	Replace Line	LF	200	271	\$ 54,200	\$ 81,300
1ST PL	224	223	8	510	CP	4532	4	4100	Replace Line	LF	200	510	\$ 102,000	\$ 153,000
2ND ST	233	232	8	233	CP	5100	0	0	Replace Line	LF	200	233	\$ 46,600	\$ 69,900
5TH ST	253	252	8	271	CP	5100	1	1100	Replace Line	LF	200	271	\$ 54,200	\$ 81,300
PROSPECT AVE-EASEMENT	264	263	8	234	CP	5200	61	4132	Replace Line	LF	200	234	\$ 46,800	\$ 70,200
5TH ST-EASEMENT	271	270	8	242	CP	5142	7	4131	Replace Line	LF	200	242	\$ 48,400	\$ 72,600
4th St	295	294	8	262	CP	5231	22	4521	Replace Line	LF	200	262	\$ 52,400	\$ 78,600
AVIATION BLVD	620	619	8	115	CP	5142	4	4100	Replace Line	LF	200	115	\$ 23,000	\$ 34,500
AVIATION BLVD	630	629	8	307	VCP	5100	2	2100	Replace Line	LF	200	307	\$ 61,400	\$ 92,100
PROSPECT AVE	634	633	8	264	CP	5100	50	311J	Replace Line	LF	200	264	\$ 52,800	\$ 79,200
11TH ST	638	637	8	257	CP	5100	0	0	Replace Line	LF	200	257	\$ 51,400	\$ 77,100
PACIFIC COAST HWY	655	615	8	235	CP	4100	4	4100	Replace Line	LF	200	235	\$ 47,000	\$ 70,500
ALLEY	663	662	6	134	CP	5400	0	0	Replace Line	LF	200	134	\$ 26,800	\$ 40,200
8TH ST	675	670	8	246	CP	5100	0	0	Replace Line	LF	200	246	\$ 49,200	\$ 73,800
ARDMORE AVE	688	611	8	187	CP	5100	1	1100	Replace Line	LF	200	187	\$ 37,400	\$ 56,100
GOLDEN AVE	832	831	8	203.3	CP	5100	9	3300	Replace Line	LF	200	203	\$ 40,660	\$ 61,000



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
21st St	1055	1054	8	91	VCP	5100	0	0	Replace Line	LF	200	91	\$ 18,200	\$ 27,300
HERMOSA AVE	1107	1106A	8	204	VCP	5100	12	3400	Replace Line	LF	200	204	\$ 40,800	\$ 61,200
HERMOSA AVE	1014A	1016	8	100	VCP	5100	0	0	Replace Line	LF	200	100	\$ 20,000	\$ 30,000
FRANCISCO ST	61	60	8	170	CP	4200	25	4332	Replace Line	LF	200	170	\$ 34,000	\$ 51,000
FRANCISCO AVE	61	60	8	170	VCP	4100	4	2200	Replace Line	LF	200	170	\$ 34,000	\$ 51,000
FRANCISCO ST	62	61	8	155	CP	3100	7	4131	Replace Line	LF	200	155	\$ 31,000	\$ 46,500
PARK AVE	106	105	8	227	CP	5132	38	4433	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
MYRTLE AVE	109	103	8	166	CP	4331	30	4129	Replace Line	LF	200	166	\$ 33,200	\$ 49,800
27th CT	114	113	8	373	VCP	4100	22	4134	Replace Line	LF	200	373	\$ 74,600	\$ 111,900
29th ST	523	518	8	479	CP	4131	19	4132	Replace Line	LF	200	479	\$ 95,800	\$ 143,700
27th CT	535	534	8	175	VCP	4100	0	0	Replace Line	LF	200	175	\$ 35,000	\$ 52,500
ARDMORE AVE	726	725	8	269	VCP	5131	4	3111	Replace Line	LF	200	269	\$ 53,800	\$ 80,700
ARDMORE AVE	731	730	8	224	VCP	4200	3	3100	Replace Line	LF	200	224	\$ 44,800	\$ 67,200
24Th Pl	735	728	8	339	CP	4100	0	0	Replace Line	LF	200	339	\$ 67,800	\$ 101,700
SPRINGFIELD AVE	748	745	8	146	CP	5131	43	332A	Replace Line	LF	200	146	\$ 29,200	\$ 43,800
ARDMORE AVE EASEMENT	801	0801A	8	200	VCP	3100	4	4100	Replace Line	LF	200	200	\$ 40,000	\$ 60,000
HERMOSA AVE	1025	1024	8	537	VCP	4100	36	512A	Replace Line	LF	200	537	\$ 107,400	\$ 161,100
HERMOSA AVE	1030	1029	8	190	VCP	4100	7	4113	Replace Line	LF	200	190	\$ 38,000	\$ 57,000
OZONE	1042	1039	8	391	CP	4100	6	3121	Replace Line	LF	200	391	\$ 78,200	\$ 117,300
PALM DR	1052	1036	6	790	VCP	4535	51	4333	Replace Line	LF	200	790	\$ 158,000	\$ 237,000
21st Ct	1081A	1081	6	218	VCP	4100	2	2100	Replace Line	LF	200	218	\$ 43,600	\$ 65,400
24th ST	C2107	1023	8	235	VCP	4100	0	0	Replace Line	LF	200	235	\$ 47,000	\$ 70,500
LOMA DR	124	123	8	458	VCP	4100	128	4A3C	Replace Line	LF	200	458	\$ 91,600	\$ 137,400
BAYVIEW DR	126	0126A	6	435	VCP	4232	36	4622	Replace Line	LF	200	435	\$ 87,000	\$ 130,500
2nd ST	207	206	8	307	CP	4200	8	3221	Replace Line	LF	200	307	\$ 61,400	\$ 92,100
2ND ST	232	231	8	140	CP	4B00	2	2100	Replace Line	LF	200	140	\$ 28,000	\$ 42,000
2ND ST	235	234	8	370	CP	513B	4	4100	Replace Line	LF	200	370	\$ 74,000	\$ 111,000
24th ST	591	0591A	8	316	CP	4100	7	3114	Replace Line	LF	200	316	\$ 63,200	\$ 94,800
9th St	696	689	6	443	CP	4100	3	3100	Replace Line	LF	200	443	\$ 88,600	\$ 132,900
VALLEY DR	701	610	8	15	VCP	4100	0	0	Replace Line	LF	200	15	\$ 3,000	\$ 4,500
CYPRESS AVE	706	705	8	69	CP	4100	0	0	Replace Line	LF	200	69	\$ 13,800	\$ 20,700
11th St	708	608	8	338	CP	4131	16	4126	Replace Line	LF	200	338	\$ 67,600	\$ 101,400
VALLEY DR	722	605	10	127	CP	4100	6	4112	Replace Line	LF	235	127	\$ 29,845	\$ 44,800
PARK AVE	1047	1046	8	326	CP	4100	17	4331	Replace Line	LF	200	326	\$ 65,200	\$ 97,800
MANHATTAN AVE	1057	1056	8	128	CP	4131	5	1500	Replace Line	LF	200	128	\$ 25,600	\$ 38,400
MANHATTAN AVE	1061	1060	8	291	CP	4200	23	4227	Replace Line	LF	200	291	\$ 58,200	\$ 87,300



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
PALM DR	1065	1054	6	283	VCP	4131	0	0	Replace Line	LF	200	283	\$ 56,600	\$ 84,900
HERMOSA AVE	1069	C0500	8	300	VCP	514A	0	0	Replace Line	LF	200	300	\$ 60,000	\$ 90,000
BEACH DR	1088	1082	8	64	CP	4100	0	0	Replace Line	LF	200	64	\$ 12,800	\$ 19,200
BEACH DR	1098	1097	8	271	CI	0000	114	3G00	Replace Line	LF	200	271	\$ 54,200	\$ 81,300
BEACH DR	1099	1098	8	271	CI	0000	60	433B	Replace Line	LF	200	271	\$ 54,200	\$ 81,300
CULPER CT	1133	1132	8	181	CP	4100	2	1200	Replace Line	LF	200	181	\$ 36,200	\$ 54,300
PACIFIC COAST HWY	0687B	613	8	200	VCP	4100	0	0	Replace Line	LF	200	200	\$ 40,000	\$ 60,000
9th Ct	1097A	1097	6	268	VCP	4131	23	312A	Replace Line	LF	200	268	\$ 53,600	\$ 80,400
MANHATTAN AVE	1115C	1115B	6	170	VCP	4100	26	4322	Replace Line	LF	200	170	\$ 34,000	\$ 51,000
8th PL	688A	688B	6	450	VCP	4131	26	3121	Replace Line	LF	200	450	\$ 90,000	\$ 135,000
MANHATTAN AVE	Cap	0141A	6	138	VCP	3100	4	4100	Replace Line	LF	200	138	\$ 27,600	\$ 41,400
14th ST	1070	1067	6	139	VCP	3600	4	4100	Replace Line	LF	200	139	\$ 27,800	\$ 41,700
LONGFELLOW AVE EASEMENT	80	79	8	122	CP	4100	4	1400	Replace Line	LF	200	122	\$ 24,400	\$ 36,600
HARPER AVE	322	321	8	500	CP	5141	212	3F1Z	Replace Line	LF	200	500	\$ 100,000	\$ 150,000
19TH ST	326	325	8	278	CP	4700	8	3212	Replace Line	LF	200	278	\$ 55,600	\$ 83,400
20TH ST	328	327	8	220	CP	4200	24	331B	Replace Line	LF	200	220	\$ 44,000	\$ 66,000
PACIFIC COAST HWY	741	740	8	463	CP	4100	2	2100	Replace Line	LF	200	463	\$ 92,600	\$ 138,900
PACIFIC COAST HWY	754	753	8	271	CP	5142	0	0	Replace Line	LF	200	271	\$ 54,200	\$ 81,300
PACIFIC COAST HWY	756	755	8	409	CP	4432	0	0	Replace Line	LF	200	409	\$ 81,800	\$ 122,700
PACIFIC COAST HWY	757	756	8	435	CP	5143	5	4111	Replace Line	LF	200	435	\$ 87,000	\$ 130,500
PROSPECT AVE	768	766	8	526	CP	524E	6	3200	Replace Line	LF	200	526	\$ 105,200	\$ 157,800
PROSPECT AVE	769	766	8	351	VCP	4100	0	0	Replace Line	LF	200	351	\$ 70,200	\$ 105,300
ALLEY	777	774	8	144	CP	5141	1	1100	Replace Line	LF	200	144	\$ 28,800	\$ 43,200
19th ST	778	756	8	268	CP	4100	4	2112	Replace Line	LF	200	268	\$ 53,600	\$ 80,400
HILLCREST DR	786	781	8	260	CP	4100	84	3	Replace Line	LF	200	260	\$ 52,000	\$ 78,000
17TH ST	793	792	8	399	CP	514H	26	4136	Replace Line	LF	200	399	\$ 79,800	\$ 119,700
PACIFIC COAST HWY	808	807	8	159	CP	4100	0	0	Replace Line	LF	200	159	\$ 31,800	\$ 47,700
PACIFIC COAST HWY	809	808	8	140.8	CP	5141	9	3300	Replace Line	LF	200	141	\$ 28,160	\$ 42,200
AVIATION BLVD	813	812	8	44	CI	3100	0	0	Replace Line	LF	200	44	\$ 8,700	\$ 13,100
AVIATION BLVD	815	813	8	400.7	CP	544D	2	2100	Replace Line	LF	200	401	\$ 80,140	\$ 120,200
AVIATION BLVD	816	815	8	98	CP	3100	4	4100	Replace Line	LF	200	98	\$ 19,600	\$ 29,400
AVIATION BLVD	817	0816A	8	212.6	CP	5242	2	1200	Replace Line	LF	200	213	\$ 42,520	\$ 63,800
OWOSSO AVE	835	817	8	191	CP	5132	49	4133	Replace Line	LF	200	191	\$ 38,200	\$ 57,300
14TH ST	847	846	8	244.7	CP	5131	7	3122	Replace Line	LF	200	245	\$ 48,940	\$ 73,400
BONNIE BRAE ST	851	847	8	113	CP	514C	36	3A00	Replace Line	LF	200	113	\$ 22,600	\$ 33,900
BONNIE BRAE ST	852	851	8	525	CP	4K32	109	3F21	Replace Line	LF	200	525	\$ 105,000	\$ 157,500



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
CAMPANA ST	854	853	8	288	CP	4100	14	2700	Replace Line	LF	200	288	\$ 57,600	\$ 86,400
15th St	857	0856A	8	227	CP	4100	0	0	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
HARPER AVE	324A	324	8	93	VCP	4100	1	1100	Replace Line	LF	200	93	\$ 18,600	\$ 27,900
24TH ST	764B	764C	8	210	VCP	5141	20	3621	Replace Line	LF	200	210	\$ 42,000	\$ 63,000
19TH ST	325	324	8	227	CP	5133	6	2114	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
20TH PL	329	322	8	402	CP	5141	0	0	Replace Line	LF	200	402	\$ 80,400	\$ 120,600
18TH ST	1165	779	8	165	VCP	5121	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500
2ND ST	210	209	8	124	CP	4200	0	0	Replace Line	LF	200	124	\$ 24,800	\$ 37,200
2ND ST	211	210	8	384	CP	5244	72	1P00	Replace Line	LF	200	384	\$ 76,800	\$ 115,200
1ST ST	221	220	8	422	CP	4100	103	4234	Replace Line	LF	200	422	\$ 84,400	\$ 126,600
5th ST	252	251	8	188	CP	4200	0	0	Replace Line	LF	200	188	\$ 37,600	\$ 56,400
5TH ST	254	253	8	204	CP	5141	0	0	Replace Line	LF	200	204	\$ 40,800	\$ 61,200
5TH ST	256	255	8	284	CP	4F00	5	3112	Replace Line	LF	200	284	\$ 56,800	\$ 85,200
PROSPECT AVE	261	260	8	211	CP	4100	5	3112	Replace Line	LF	200	211	\$ 42,200	\$ 63,300
PROSPECT AVE	263	262	8	165	CP	4100	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500
MASSEY ST	266	265	8	269	CP	4100	0	0	Replace Line	LF	200	269	\$ 53,800	\$ 80,700
HOLLOWELL AVE	267	262	8	472	CP	5144	3	2111	Replace Line	LF	200	472	\$ 94,400	\$ 141,600
HOLLOWELL AVE	268	261	8	180	CP	5143	0	0	Replace Line	LF	200	180	\$ 36,000	\$ 54,000
HOPKINS ST	274	272	8	213	CP	5142	13	4133	Replace Line	LF	200	213	\$ 42,600	\$ 63,900
3RD ST	280	279	8	322	CP	5142	5	3121	Replace Line	LF	200	322	\$ 64,400	\$ 96,600
PACIFIC COAST HWY	615	614	10	107	CP	4131	0	0	Replace Line	LF	235	107	\$ 25,145	\$ 37,700
AVIATION BLVD	619	618	8	251	CP	4131	2	1200	Replace Line	LF	200	251	\$ 50,200	\$ 75,300
AVIATION BLVD	621	620	8	93	CP	5141	6	3121	Replace Line	LF	200	93	\$ 18,600	\$ 27,900
AVIATION BLVD	624	623	8	113	CP	4600	0	0	Replace Line	LF	200	113	\$ 22,600	\$ 33,900
AVIATION BLVD	626	625	8	85	CP	5141	4	4100	Replace Line	LF	200	85	\$ 17,000	\$ 25,500
AVIATION BLVD	627	626	8	185	CP	4100	15	3500	Replace Line	LF	200	185	\$ 37,000	\$ 55,500
AVIATION BLVD	628	627	8	144	CP	4100	66	3C00	Replace Line	LF	200	144	\$ 28,800	\$ 43,200
10TH ST	636	635	8	336.3	CP	5241	35	4137	Replace Line	LF	200	336	\$ 67,260	\$ 100,900
11TH PL	640	639	8	184	CP	4631	8	4121	Replace Line	LF	200	184	\$ 36,800	\$ 55,200
9TH ST	651	650	8	301	CP	5342	130	412N	Replace Line	LF	200	301	\$ 60,200	\$ 90,300
7TH ST	667	666	8	57	CP	4100	8	3115	Replace Line	LF	200	57	\$ 11,400	\$ 17,100
7TH ST	668	667	8	379	CP	4131	76	511P	Replace Line	LF	200	379	\$ 75,800	\$ 113,700
PROSPECT AVE	670	669	8	264	CP	4131	51	1K00	Replace Line	LF	200	264	\$ 52,800	\$ 79,200
7TH ST	677	669	8	295	CP	4H12	0	0	Replace Line	LF	200	295	\$ 59,000	\$ 88,500
PROSPECT AVE	679	669	8	224	CP	4100	24	3800	Replace Line	LF	200	224	\$ 44,800	\$ 67,200
7TH PL	680	679	8	438	CP	5142	81	4132	Replace Line	LF	200	438	\$ 87,600	\$ 131,400



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
CAMPANA ST	854	853	8	288	CP	4100	14	2700	Replace Line	LF	200	288	\$ 57,600	\$ 86,400
15th St	857	0856A	8	227	CP	4100	0	0	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
HARPER AVE	324A	324	8	93	VCP	4100	1	1100	Replace Line	LF	200	93	\$ 18,600	\$ 27,900
24TH ST	764B	764C	8	210	VCP	5141	20	3621	Replace Line	LF	200	210	\$ 42,000	\$ 63,000
19TH ST	325	324	8	227	CP	5133	6	2114	Replace Line	LF	200	227	\$ 45,400	\$ 68,100
20TH PL	329	322	8	402	CP	5141	0	0	Replace Line	LF	200	402	\$ 80,400	\$ 120,600
18TH ST	1165	779	8	165	VCP	5121	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500
2ND ST	210	209	8	124	CP	4200	0	0	Replace Line	LF	200	124	\$ 24,800	\$ 37,200
2ND ST	211	210	8	384	CP	5244	72	1P00	Replace Line	LF	200	384	\$ 76,800	\$ 115,200
1ST ST	221	220	8	422	CP	4100	103	4234	Replace Line	LF	200	422	\$ 84,400	\$ 126,600
5th ST	252	251	8	188	CP	4200	0	0	Replace Line	LF	200	188	\$ 37,600	\$ 56,400
5TH ST	254	253	8	204	CP	5141	0	0	Replace Line	LF	200	204	\$ 40,800	\$ 61,200
5TH ST	256	255	8	284	CP	4F00	5	3112	Replace Line	LF	200	284	\$ 56,800	\$ 85,200
PROSPECT AVE	261	260	8	211	CP	4100	5	3112	Replace Line	LF	200	211	\$ 42,200	\$ 63,300
PROSPECT AVE	263	262	8	165	CP	4100	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500
MASSEY ST	266	265	8	269	CP	4100	0	0	Replace Line	LF	200	269	\$ 53,800	\$ 80,700
HOLLOWELL AVE	267	262	8	472	CP	5144	3	2111	Replace Line	LF	200	472	\$ 94,400	\$ 141,600
HOLLOWELL AVE	268	261	8	180	CP	5143	0	0	Replace Line	LF	200	180	\$ 36,000	\$ 54,000
HOPKINS ST	274	272	8	213	CP	5142	13	4133	Replace Line	LF	200	213	\$ 42,600	\$ 63,900
3RD ST	280	279	8	322	CP	5142	5	3121	Replace Line	LF	200	322	\$ 64,400	\$ 96,600
PACIFIC COAST HWY	615	614	10	107	CP	4131	0	0	Replace Line	LF	235	107	\$ 25,145	\$ 37,700
AVIATION BLVD	619	618	8	251	CP	4131	2	1200	Replace Line	LF	200	251	\$ 50,200	\$ 75,300
AVIATION BLVD	621	620	8	93	CP	5141	6	3121	Replace Line	LF	200	93	\$ 18,600	\$ 27,900
AVIATION BLVD	624	623	8	113	CP	4600	0	0	Replace Line	LF	200	113	\$ 22,600	\$ 33,900
AVIATION BLVD	626	625	8	85	CP	5141	4	4100	Replace Line	LF	200	85	\$ 17,000	\$ 25,500
AVIATION BLVD	627	626	8	185	CP	4100	15	3500	Replace Line	LF	200	185	\$ 37,000	\$ 55,500
AVIATION BLVD	628	627	8	144	CP	4100	66	3C00	Replace Line	LF	200	144	\$ 28,800	\$ 43,200
10TH ST	636	635	8	336.3	CP	5241	35	4137	Replace Line	LF	200	336	\$ 67,260	\$ 100,900
11TH PL	640	639	8	184	CP	4631	8	4121	Replace Line	LF	200	184	\$ 36,800	\$ 55,200
9TH ST	651	650	8	301	CP	5342	130	412N	Replace Line	LF	200	301	\$ 60,200	\$ 90,300
7TH ST	667	666	8	57	CP	4100	8	3115	Replace Line	LF	200	57	\$ 11,400	\$ 17,100
7TH ST	668	667	8	379	CP	4131	76	511P	Replace Line	LF	200	379	\$ 75,800	\$ 113,700
PROSPECT AVE	670	669	8	264	CP	4131	51	1K00	Replace Line	LF	200	264	\$ 52,800	\$ 79,200
7TH ST	677	669	8	295	CP	4H12	0	0	Replace Line	LF	200	295	\$ 59,000	\$ 88,500
PROSPECT AVE	679	669	8	224	CP	4100	24	3800	Replace Line	LF	200	224	\$ 44,800	\$ 67,200
7TH PL	680	679	8	438	CP	5142	81	4132	Replace Line	LF	200	438	\$ 87,600	\$ 131,400

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
7TH PL	681	680	8	381	CP	5141	21	3700	Replace Line	LF	200	381	\$ 76,200	\$ 114,300
EASEMENT	652A	652	8	200	CP	4200	0	0	Replace Line	LF	200	200	\$ 40,000	\$ 60,000
ALLEY	663	662	6	134	CP	5242	2	2100	Replace Line	LF	200	134	\$ 26,800	\$ 40,200
7TH ST	666	665	8	209	CP	4G11	5	1500	Replace Line	LF	200	209	\$ 41,800	\$ 62,700
Subtotal				36,768								36,768	\$ 7,367,000	\$ 11,051,000
13TH ST	0844A	808	8	245	CP	0000	4	4100	Line Entire Segment	LF	55	245	\$ 13,475	\$ 20,200
ALLEY	774	761	8	117	CP	0000	4	4100	Line Entire Segment	LF	55	117	\$ 6,435	\$ 9,700
PORTER LN	732	731	8	219	VCP	0000	11	4231	Line Entire Segment	LF	55	219	\$ 12,045	\$ 18,100
34th PL	40	39	6	281	VCP	0000	4	4100	Line Entire Segment	LF	55	281	\$ 15,455	\$ 23,200
28th Ct	55	54	8	406	VCP	0000	9	5141	Line Entire Segment	LF	55	406	\$ 22,330	\$ 33,500
33rd PL	91	90	8	272	VCP	0000	7	4131	Line Entire Segment	LF	55	272	\$ 14,960	\$ 22,400
VALLEY PARK	571	514	8	313	CP	0000	7	5121	Line Entire Segment	LF	55	313	\$ 17,215	\$ 25,800
29th CT	0526A	526	8	20	VCP	0000	4	4100	Line Entire Segment	LF	55	20	\$ 1,100	\$ 1,700
28th CT	532	531	8	242	VCP	0000	7	4131	Line Entire Segment	LF	55	242	\$ 13,310	\$ 20,000
24th PL	587	508	8	354	CP	0000	22	4432	Line Entire Segment	LF	55	354	\$ 19,470	\$ 29,200
POWER ST EASEMENT	0504A	0504B	15	360	VCP	0000	4	4100	Line Entire Segment	LF	76	360	\$ 27,360	\$ 41,000
POWER ST EASEMENT	0504A	0504B	15	360	VCP	0000	4	4100	Line Entire Segment	LF	76	360	\$ 27,360	\$ 41,000
MYRTLE AVE EASEMENT	110	109	8	260	CP	0000	16	4400	Line Entire Segment	LF	55	260	\$ 14,300	\$ 21,500
VALLEY PARK AVE	597	596	8	121	VCP	0000	7	4131	Line Entire Segment	LF	55	121	\$ 6,655	\$ 10,000
16th ST	751	722	8	290	CP	0000	4	4100	Line Entire Segment	LF	55	290	\$ 15,950	\$ 23,900
25th St	105	104	8	270	CP	0000	11	4231	Line Entire Segment	LF	55	270	\$ 14,850	\$ 22,300
25th St	105	104	8	270	CP	0000	18	4332	Line Entire Segment	LF	55	270	\$ 14,850	\$ 22,300
25th St	1153	1152	8	109	VCP	0000	4	4100	Line Entire Segment	LF	55	109	\$ 5,995	\$ 9,000
24th ST	1039	1038	8	138	CP	0000	4	4100	Line Entire Segment	LF	55	138	\$ 7,590	\$ 11,400
LONGFELLOW AVE EASEMENT	81	0081A	8	394	CP	0000	15	4331	Line Entire Segment	LF	55	394	\$ 21,670	\$ 32,500
HERMOSA VIEW DR	570	569	8	161	VCP	0000	4	4100	Line Entire Segment	LF	55	161	\$ 8,855	\$ 13,300
HERMOSA VIEW DR EASEMENT	C/O	569	8	132	VCP	0000	30	5144	Line Entire Segment	LF	55	132	\$ 7,260	\$ 10,900
HERMOSA AVE	1155	1156	8	275	VCP	0000	4	4100	Line Entire Segment	LF	55	275	\$ 15,125	\$ 22,700
21st St	1056	1055	8	48	CP	0000	4	4100	Line Entire Segment	LF	55	48	\$ 2,640	\$ 4,000
PIER AVE	806	805	8	339	CP	0000	7	4131	Line Entire Segment	LF	55	339	\$ 18,645	\$ 28,000
PORTER LN EASEMENT	581	580	8	139	VCP	0000	16	4400	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500
PORTER LN EASEMENT	578	577	8	139	VCP	0000	15	4331	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500
VALLEY PARK EASEMENT	575	513	8	274	CP	0000	4	4100	Line Entire Segment	LF	55	274	\$ 15,070	\$ 22,600
VALLEY PARK EASEMENT	575	513	8	274	CP	0000	4	4100	Line Entire Segment	LF	55	274	\$ 15,070	\$ 22,600
VALLEY PARK AVE EASEMENT	602	502	12	160	POLY	0000	100	4D00	Line Entire Segment	LF	68	160	\$ 10,880	\$ 16,300
19th St	1066	1020	6	303	VCP	0000	4	4100	Line Entire Segment	LF	55	303	\$ 16,665	\$ 25,000



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
PALM DR	1063	1063B	8	200	CP	0000	7	4131	Line Entire Segment	LF	55	200	\$ 11,000	\$ 16,500
PALM DR	1053	1036	6	353	VCP	0000	4	4100	Line Entire Segment	LF	55	353	\$ 19,415	\$ 29,100
PACIFIC COAST HWY- EASEMENT	812	811	8	136	CP	0000	7	4131	Line Entire Segment	LF	55	136	\$ 7,480	\$ 11,200
7TH ST	669	668	8	53	CP	0000	4	4100	Line Entire Segment	LF	55	53	\$ 2,915	\$ 4,400
HILL ST	236	232A	8	38	OTHER	0000	4	4100	Line Entire Segment	LF	55	38	\$ 2,090	\$ 3,100
2ND ST	231	CO230	8	100	VCP	0000	4	4100	Line Entire Segment	LF	55	100	\$ 5,500	\$ 8,300
THE STRAND	1093B	1093A	6	79	VCP	0000	4	4100	Line Entire Segment	LF	55	79	\$ 4,345	\$ 6,500
THE STRAND	1093B	1093A	6	79	PVC	0000	4	4100	Line Entire Segment	LF	55	79	\$ 4,345	\$ 6,500
SPRINGFIELD AVE	747	745	8	183	CP	0000	4	4100	Line Entire Segment	LF	55	183	\$ 10,065	\$ 15,100
8Th Pl	688B	688	8	35	VCP	0000	4	4100	Line Entire Segment	LF	55	35	\$ 1,925	\$ 2,900
ARDMORE AVE	725	724	8	397	VCP	0000	4	4100	Line Entire Segment	LF	55	397	\$ 21,835	\$ 32,800
13th CT	1091	1160	10	174	VCP	0000	8	4200	Line Entire Segment	LF	68	174	\$ 11,832	\$ 17,700
BARD ST	0703A	703	6	216	VCP	0000	4	4100	Line Entire Segment	LF	55	216	\$ 11,880	\$ 17,800
PALM DR	1068A	1068	8	128	VCP	0000	22	4432	Line Entire Segment	LF	55	128	\$ 7,040	\$ 10,600
PACIFIC COAST HWY	289	288	8	248	VCP	0000	4	4100	Line Entire Segment	LF	55	248	\$ 13,640	\$ 20,500
MONTEREY BLVD	151	CO150	8	15	VCP	0000	4	4100	Line Entire Segment	LF	55	15	\$ 825	\$ 1,200
PIER AVE	805	606	8	170	VCP	0000	4	4100	Line Entire Segment	LF	55	170	\$ 9,350	\$ 14,000
HERONDO ST	176	172	8	306	CP	0000	11	4231	Line Entire Segment	LF	55	306	\$ 16,830	\$ 25,200
VALLEY DR EASEMENT	703	609	6	171	VCP	0000	4	4100	Line Entire Segment	LF	55	171	\$ 9,405	\$ 14,100
2nd St	1127	1004	8	54	VCP	0000	4	4100	Line Entire Segment	LF	55	54	\$ 2,970	\$ 4,500
VALLEY DR	605	604	15	328	VCP	0000	260	4N00	Line Entire Segment	LF	76	328	\$ 24,928	\$ 37,400
PALM DR	1126	1125	6	437	VCP	0000	4	4100	Line Entire Segment	LF	55	437	\$ 24,035	\$ 36,100
MANHATTAN AVE	1124	1120	8	235	VCP	0000	4	4100	Line Entire Segment	LF	55	235	\$ 12,925	\$ 19,400
28th Ct	55	54	8	250	CP	0000	4	4100	Line Entire Segment	LF	55	250	\$ 13,750	\$ 20,600
28th Ct	55	54	8	250	CP	0000	4	4100	Line Entire Segment	LF	55	250	\$ 13,750	\$ 20,600
28th Ct	55	54	8	220	CP	0000	4	4100	Line Entire Segment	LF	55	220	\$ 12,100	\$ 18,200
HERMOSA AVE	1108	1007	8	45	VCP	0000	4	4100	Line Entire Segment	LF	55	45	\$ 2,475	\$ 3,700
HERONDO ST	1132H	TRNK	10	79	VCP	0000	4	4100	Line Entire Segment	LF	68	79	\$ 5,372	\$ 8,100
1ST ST	204A	203	8	45	CP	0000	5	5100	Line Entire Segment	LF	55	45	\$ 2,475	\$ 3,700
2ND ST	234	233	8	139	VCP	0000	5	5100	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500
10Th Ct	1096A	1096	6	291	VCP	0000	5	5100	Line Entire Segment	LF	55	291	\$ 16,005	\$ 24,000
POWER ST EASEMENT	503	1166	15	170	VCP	0000	5	5100	Line Entire Segment	LF	76	170	\$ 12,920	\$ 19,400
PACIFIC COAST HWY	Cap	759	8	156	CP	0000	5	5100	Line Entire Segment	LF	55	156	\$ 8,580	\$ 12,900
25th ST EASEMENT	511	510	10	192	VCP	2100	8	4200	Line Entire Segment	LF	79	192	\$ 15,168	\$ 22,800
GOULD AVE	538	537	8	163	VCP	2111	4	4100	Line Entire Segment	LF	55	163	\$ 8,965	\$ 13,400
19th St	1066	1020	6	303	VCP	2211	4	4100	Line Entire Segment	LF	55	303	\$ 16,665	\$ 25,000



STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST
HILL ST	236	232A	6	38	VCP	1100	7	4131	Line Entire Segment	LF	55	38	\$ 2,090	\$ 3,100
EASEMENT	201	CO200	8	100	VCP	1100	8	4200	Line Entire Segment	LF	55	100	\$ 5,500	\$ 8,300
10Th Ct	1096A	1096	6	291	VCP	1100	8	5131	Line Entire Segment	LF	55	291	\$ 16,005	\$ 24,000
BEACH DR	1142A	1142	6	96	VCP	2100	4	4100	Line Entire Segment	LF	55	96	\$ 5,280	\$ 7,900
3rd St	245	244	8	150	CP	2100	105	4D11	Line Entire Segment	LF	55	150	\$ 8,250	\$ 12,400
MONTGOMERY DR	867	840	6	310	CP	1100	11	4231	Line Entire Segment	LF	55	310	\$ 17,050	\$ 25,600
HARPER AVE-EASEMENT	324E	324G	8	73	VCP	2100	7	5121	Line Entire Segment	LF	55	73	\$ 4,015	\$ 6,000
Subtotal				14,781								13,761	\$ 849,000	\$ 1,273,000
Grand Total				51,549								50,529	\$ 8,216,000	\$ 12,324,000



SEWER SYSTEM OPERATION AND MAINTENANCE DEFECTS

O&M defects include roots and fats, oil, and grease deposits (FOG). Roots occur at pipe joints and at lateral connections. As part of the sewer CCTV conducted for the project, sewers were cleaned in front of the sewer videotaping. However, sewers with different magnitudes of root growth and FOG were still evident. Sewers with high, moderate, or light root growth or FOG are shown in the CCTV reports. “High” is primarily Category 4 and 5 defects; “Moderate” is primarily Category 3 defects or a high number of Category 2 defects; and “Light” is primarily Category 2 defects.



Figure 5-3: Sewer System Defects Recommended for Rehabilitation



MANHOLE INSPECTIONS

Manhole inspections were performed to determine the condition of the key components of the manholes and to observe and document any defects. A total of 771 manholes were inspected for condition assessment. Figure 5-4 shows a map of the inspected manholes.

MANHOLE INSPECTION DEFECTS

Many of the inspected manholes have multiple defects. Therefore, to quantify the necessary work, some manholes have been counted more than once below:

- 36 manholes have frame or frame seal defects. These include broken frame seals or cracks in the frame.
- 108 manholes have defects within the cone, chimney, or the wall sections
- 33 manholes have defects within the bench or trough sections
- 28 manholes have corroded, or missing steps
- 54 manholes have a combination of defects

Figure 5-5 shows a color-coded map of manholes and grouping of their defects.

The rehabilitation of manholes can be complicated and there are many methods available for the rehabilitation of manholes. Each method must be evaluated to determine its applicability to provide the correct solution for the best available price. Based on the type of defects identified during our survey as well as the age of the manholes surveyed, we have narrowed our rehabilitation recommendation to two main methods. These are manhole lining and manhole replacement.

At this phase, we have excluded from rehabilitation recommendation, manholes that only have defective steps. This is mainly because OSHA regulations require use of specialized equipment for confined space entry; therefore, steps should never be utilized for personnel accessing manholes. However, we do recommend that these defects be addressed as part of an overall and phased manhole rehabilitation for improved safety.

Table 5-4 lists the manholes recommended for improvements, and Figure 5-6 shows the manholes recommended for improvements

Table 5-3: Manhole Defect Grade Descriptions

Defects Grade	Description
5 – Severe	Severe defects requiring immediate attention
4 – Heavy	Defects that will become Grade 5 in the near future
3 – Moderate	Defects that will continue to deteriorate
2 – Fair	Defects that have not begun to deteriorate
1 – Light	Minor defects



Figure 5-4: Inspected Manholes



Figure 5-5: Manhole Defects



Table 5-4: Manholes Recommended for Rehabilitation

MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
0061	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0062	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0071	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0072	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0074	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0082	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0084	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0086	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0112	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0123	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0324	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0325	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0507	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0509	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0515	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0518	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0520	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0534	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0540	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0726	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0728	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0737	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0740	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0744	Wall Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0746	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0752	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0758	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0765	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0766	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0774	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0778	Step Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0781	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0782	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0783	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0800	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0859	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1025	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1028	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1046	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1057	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1058	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1083	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0123A	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1059A	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000



CHAPTER 5- SEWER CCTV INVESTIGATIONS

MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
0141	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0204	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0210	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0216	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0222	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0225	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0241	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0254	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0256	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0259	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0263	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0266	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0272	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0277	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0281	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0282	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0283	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0284	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0285	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0286	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0291	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0302	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0313	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0612	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0634	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0679	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0681	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0689	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0693	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0694	Step Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0717	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0718	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0719	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0816	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0827	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0831	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0833	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0835	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0836	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0837	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0838	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0844	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0847	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0851	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0857	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000



CHAPTER 5- SEWER CCTV INVESTIGATIONS

MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
0861	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0862	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0866	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1132	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0006	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0028	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0032	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0033	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0034	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0039	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0041	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0043	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0045	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0088	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0089	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0090	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0104	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0108	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0111	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0508	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0513	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0514	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0589	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1032	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1037	Wall Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1039	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1044	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0036A	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
0173	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0175	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0243	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0245	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0246	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0247	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1096	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1132H	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0731	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0751	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0812	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0842	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
0669	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
				130	\$ 1,207,000	\$ 1,810,500



Figure 5-6: Manholes Recommended for Improvements



CHAPTER 6 IMPROVEMENT PROGRAM

PROJECTS OVERVIEW

A Capital Improvement Program (CIP) is a planning tool that includes a description of the proposed improvement projects, an estimate of project costs and a year-by-year schedule of expected project funding. This chapter also recommends monitoring for pipes that do not exceed but are close to the capacity threshold. Capital projects are both capacity-limited pipe replacements determined from hydraulic modeling and structural deficiencies determined from CCTV evaluation.

MONITORING LOCATIONS

Pipes with peak d/D between 0.5 and 0.75 should be monitored for higher d/D or signs of surcharge. Figure 6-1 and Table 6-1 (to be updated) show the segments in blue with a model-predicted peak d/D exceeding 0.5 but below the threshold value of 0.75 under existing peak dry weather flow conditions. Although no capital improvement projects are recommended to address this range of d/D , it is recommended that the City field verify the actual flow depths at these locations during peak hours. If field observations indicate higher d/D values, or if there is any future development that is directly tributary to these segments, proactive mitigation measures should be considered.



Figure 6-1: High d/D Sewer Segments to Monitor

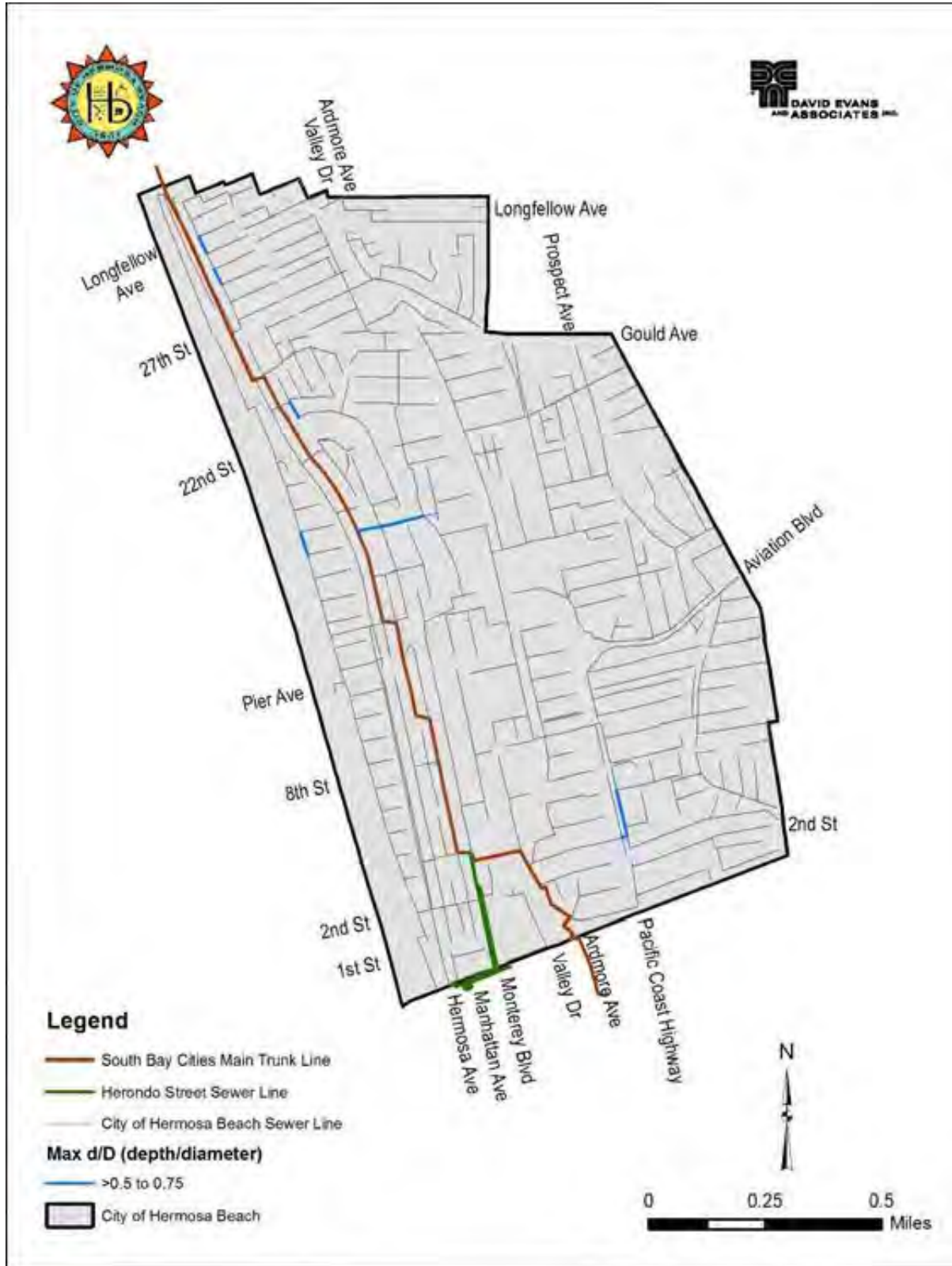


Table 6-1: List of High d/D Sewer Segments to Monitor

No.	Pipe ID	Max d/D
1	1043-1037	0.693
2	248-249	0.657
3	249-250	0.612
4	250-251	0.555
5	1003-1002	0.543
6	1079-1078	0.505
7	502-501	0.509
8	501-C05	0.501

CAPITAL IMPROVEMENT PROJECTS

The calibrated hydraulic model was used to optimize sizing for proposed improvements and to proactively address the identified potential capacity problems. The proposed pipe replacements were sized according to the capacity criteria presented in Chapter 3 to convey peak dry weather flows while providing reserve capacity for potential inflow and infiltration during wet weather flow conditions.

One capacity improvement project comprised of three sewer segments (715 linear feet of replacement sewer) is recommended for upsizing the existing sewers to alleviate the identified capacity deficiency. It is recommended the replacement sewer follow the same alignment as the existing sewer. Figure 6-2 shows the location of the project in orange and Table 6-2 provides detailed information for each pipe segment recommended for replacement. Note that some segments in the project may not have a capacity deficiency, possibly due to a steeper slope; however, it is generally considered good engineering practice to avoid constricting and expanding pipe sizes through a consecutive reach. Therefore, all sewer segments in a given project are recommended for replacement with the same larger size.

Approximately 222,000 linear feet (42 miles) of City sewers were videotaped using closed circuit television (CCTV), which is essentially 100% of the City’s total collection system. Among the sewers that were condition surveyed by CCTV, a total of 36,768 lf (7 miles) of sewer segments had significant defects that warrant replacement of the sewers. Lining rehabilitation is recommended for 14,345 lf (2.7 miles) of videotaped sewer segments. These categories have been further refined to escalating priorities. All pipe replacements have been categorized into Priority A (High), and Priority B (Moderate), based on their defects ratings. There is 3,302 LF of Priority A recommended rehabilitations and a total of 28,157 LF of Priority B recommended rehabilitations. Similarly, all pipe relining recommendations have been categorized into Priority C (High), and Priority D (Moderate), based on their level of defects. There is 13,065 LF of Priority C recommended rehabilitations and 1,716 LF of Priority D recommended rehabilitations.

It is recommended that the City take advantage of concurrent construction opportunities such as street paving projects or adjacent infrastructure work to implement the proposed pipeline projects.



Figure 6-2: Recommended Capacity Improvement Project Locations

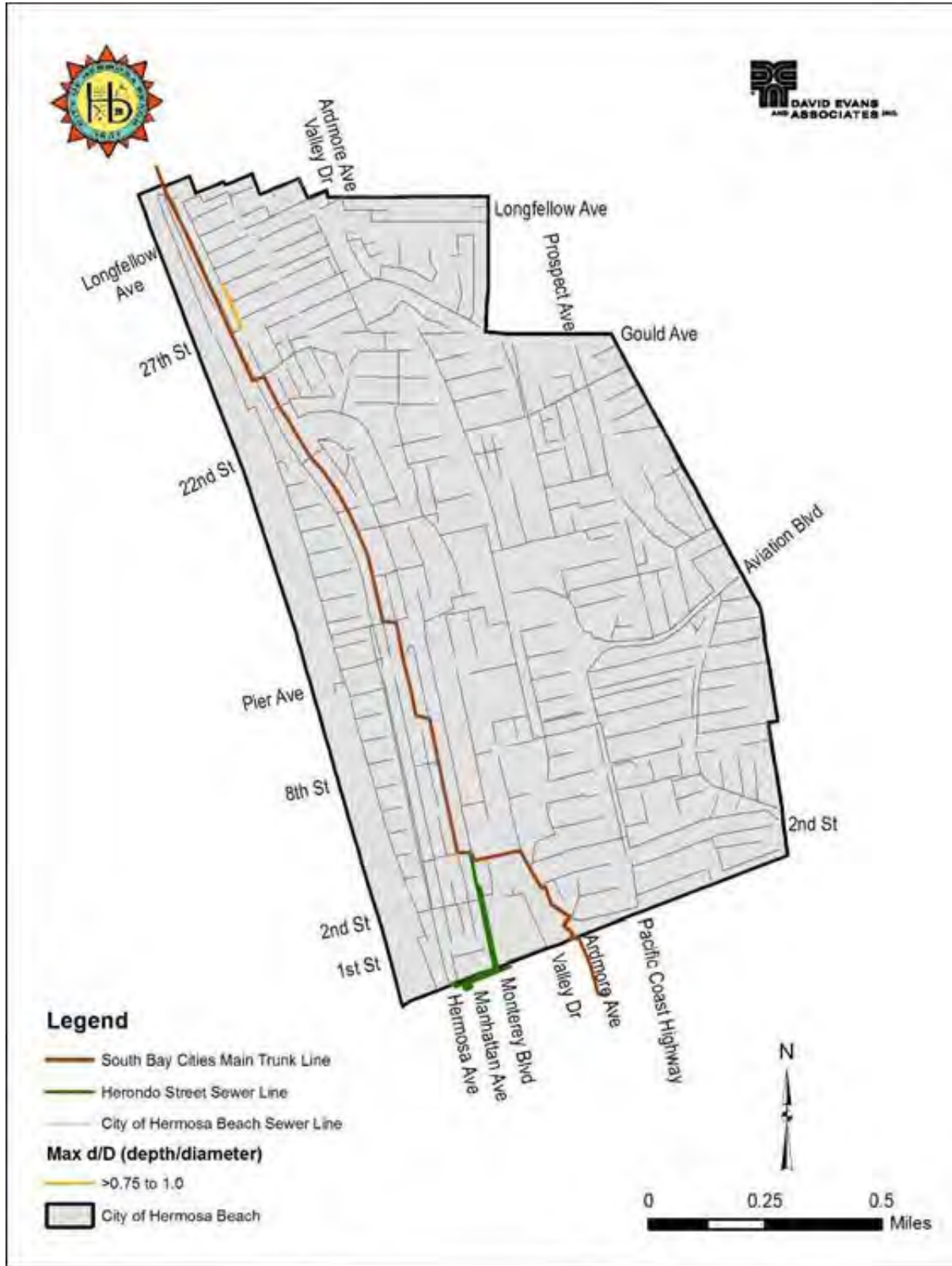


Table 6-2: Capacity Deficiency Improvement Project Segments

Pipe ID	US MH	DS MH	Existing Pipe Size (in)	Proposed Pipe Size (in)	Pipe Length (ft)	Slope (%)	Peak Flow (cfs)	Peak Velocity (ft/s)	Existing Max d/D	Proposed CIPs Max d/D
21-C02	0021	C0020	8	10	70.1	4.2	0.66	5.43	0.38	0.28
22-21	0022	0021	8	10	93.1	8.2	0.66	6.90	0.32	0.24
23-22	0023	0022	8	10	107.6	0.4	0.66	1.88	1.00	0.54
24-23	0024	0023	8	10	220.1	0.3	0.58	1.65	1.00	0.56
25-24	0025	0024	8	10	224.5	0.3	0.51	1.74	0.78	0.51

CAPITAL COST ESTIMATES

For the purpose of this project, it was assumed that the hydraulically deficient sewers would be replaced with larger sizes of VCP sewers along the same alignment. The costs for open-cut sewer replacement are generally more conservative than adding new parallel sewers, and thus would give the City more flexibility from a financial perspective. The feasibility of installing parallel sewers in lieu of replacing and upsizing existing sewers should be evaluated in design phase, considering potential conflict with other existing underground utilities and separation distance requirements.

The final material for replacement sewers should be evaluated during design. However, the construction cost of VCP sewers is generally conservative and suitable for budgetary purpose, especially compared to PVC which is another popular material specified by agencies for gravity sewers application.

Table 6-3 presents the construction unit cost that was used in the cost estimates. Note the presented construction unit cost in Table 6-3 already includes the cost for traffic control, pavement replacement, mobilization, demobilization, flow bypassing, and lateral reconnection and were developed based on the consultant's recent construction experience in southern California projects. The presented costs are based on today's dollars (2017).



Table 6-3: Construction Unit Cost Estimates

Item	Estimated Construction Unit Cost
8-inch Sewer Open Cut Replacement	\$200/LF
10-inch Sewer Open Cut Replacement	\$235/LF
12-inch Sewer Open Cut Replacement	\$265/LF
15-inch Sewer Open Cut Replacement	\$300/LF
18-inch Sewer Open Cut Replacement	\$330/LF
21-inch Sewer Open Cut Replacement	\$375/LF
24-inch Sewer Open Cut Replacement	\$405/LF
27-inch Sewer Open Cut Replacement	\$440/LF
30-inch Sewer Open Cut Replacement	\$475/LF
33-inch Sewer Open Cut Replacement	\$500/LF
36-inch Sewer Open Cut Replacement	\$550/LF
Existing Manhole Rechanneling and Rehabilitation ¹	\$7,000/EA
New 48" Precast Manhole	\$10,000/EA
8-inch Sewer CIPP Relining	\$55/LF
12-inch Sewer CIPP Relining	\$68/LF

Notes:

1. It was assumed existing manholes would be rehabilitated and rechanneled in place of constructing new manholes to accommodate the open-cut replacement sewers.
2. Construction cost estimates include mobilization, trench shoring as needed, and traffic control.
3. CIPP Relining costs include mobilization and by-pass. Costs do not include lateral re-establishment.



Table 6-4 shows the capital cost factor breakdown utilized in the planning-level cost estimates. As a result, the capital cost was calculated as 150% of the total construction cost for each project.

Table 6-4: Capital Cost Factors

Cost Item	Cost Factor (% of Construction Cost)
Construction Contingency	30%
Design	10%
Administration & Construction Management	10%
Total	50%

Tables 6-5 and 6-6 show the cost estimates for the recommended hydraulic capacity improvement projects and the structural improvement project respectively to address the identified existing conditions deficiencies. The planning-level total capital cost to improve capacity and structural deficiencies under existing conditions is estimated at \$12,629,000, of which \$305,000 is used for upsizing existing sewers to address capacity deficiencies and \$12,324,000 is allocated for rehabilitating or repairing the structurally deficient sewers. Table 6-7 shows the cost for manhole improvement projects. This cost is estimated at \$1,810,500. Tables 6-5 through 6-7 also indicate when each improvement is recommended for repair as part of a proposed year by year CIP plan based on urgency, geographic location, and combined cost. Year 1 projects include the hydraulic capacity improvements as well as the high priority structural segments in the northern half of the city. Year 2 projects include high priority structural segments in the southern half of the city. Year 3 projects consist of lower priority segments in the northwest quadrant of the city, year 4 in the southwest quadrant, year 5 in the northeast quadrant, and year 6 projects are located in the southeast quadrant of the city. Annual CIP costs in 2017 dollars are summarized in Table 6-8.



Table 6-5: Capital Cost Estimates for Capacity Improvement Projects

Pipe ID	Existing Pipe Size (in)	Proposed Pipe Size (in)	Pipe Length (ft)	Slope (%)	Existing Max d/D	Proposed CIPs Max d/D	Pipe Unit Cost (\$/LF)	Pipe Replacement Construction Cost (\$)	Number of Manholes	Manhole Unit Cost (\$/EA)	Manhole Cost (\$)	Total Constr. Cost (\$)	Total Capital Cost (\$)
21-C02	8	10	70.1	4.2	0.38	0.28	235	16,474	1	7,000	7,000	23,474	35,210
22-21	8	10	93.1	8.2	0.32	0.24	235	21,879	1	7,000	7,000	28,879	43,318
23-22	8	10	107.6	0.4	1.00	0.54	235	25,286	1	7,000	7,000	32,286	48,429
24-23	8	10	220.1	0.3	1.00	0.56	235	51,724	1	7,000	7,000	58,724	88,085
25-24	8	10	224.5	0.3	0.78	0.51	235	52,758	1	7,000	7,000	59,758	89,636
C1 Totals:			715.4					\$168,119			\$35,000	\$203,119	\$304,679



Table 6-6: Cost Estimates for Structural Improvement Projects

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
31th PL	47	46	8	33	CP	5100	0	0	Replace Line	LF	200	33	\$ 6,600	\$ 9,900	A	1
ARDMORE AVE	73	72	10	147	CP	5100	0	0	Replace Line	LF	235	147	\$ 34,545	\$ 51,800	A	1
OZONE CT EASEMENT	116	112	8	87	VCP	4100	4	4100	Replace Line	LF	200	87	\$ 17,400	\$ 26,100	A	1
19TH ST	325	324	8	254	CP	5200	17	1B00	Replace Line	LF	200	254	\$ 50,800	\$ 76,200	A	1
20TH ST	327	323	8	201	CP	5100	25	221C	Replace Line	LF	200	201	\$ 40,200	\$ 60,300	A	1
20TH PL	329	322	8	402	CP	5100	1	1100	Replace Line	LF	200	402	\$ 80,400	\$ 120,600	A	1
25th ST	586	509	8	128	CP	5200	7	4113	Replace Line	LF	200	128	\$ 25,600	\$ 38,400	A	1
AVA AVE	749	744	8	199	CP	5100	5	4111	Replace Line	LF	200	199	\$ 39,800	\$ 59,700	A	1
PROSPECT AVE	784	784A	8	229	VCP	5100	0	0	Replace Line	LF	200	229	\$ 45,800	\$ 68,700	A	1
16TH ST	794	752	8	227	CP	4421	5	5100	Replace Line	LF	200	227	\$ 45,400	\$ 68,100	A	1
16TH ST	795	794	8	109	CP	5200	3	3100	Replace Line	LF	200	109	\$ 21,800	\$ 32,700	A	1
GOLDEN AVE	832	831	8	203.3	CP	5100	20	3324	Replace Line	LF	200	203	\$ 40,660	\$ 61,000	A	1
21st St	1055	1054	8	91	VCP	5100	0	0	Replace Line	LF	200	91	\$ 18,200	\$ 27,300	A	1
PALM DR	1068	1067	8	521	VCP	4300	4	4100	Replace Line	LF	200	521	\$ 104,200	\$ 156,300	A	1
BEACH DR	1089	1088	8	58	VCP	5100	2	2100	Replace Line	LF	200	58	\$ 11,600	\$ 17,400	A	1
OAK ST EASEMENT	0860A	859	8	378	VCP	4100	4	4100	Replace Line	LF	200	378	\$ 75,600	\$ 113,400	A	1
MANHATTAN AVE	1070A	1070	6	285	VCP	5100	7	3114	Replace Line	LF	200	285	\$ 57,000	\$ 85,500	A	1
11TH ST	637	633	8	250	CP	5100	0	0	Replace Line	LF	200	250	\$ 50,000	\$ 75,000	A	2
HERONDO St	172	1001	8	126	VCP	5100	5	4111	Replace Line	LF	200	126	\$ 25,200	\$ 37,800	A	2
2ND ST	212	211	8	184	CP	5100	41	3123	Replace Line	LF	200	184	\$ 36,800	\$ 55,200	A	2
BARNEY CT-EASEMENT	213	209A	8	133	CP	5100	0	0	Replace Line	LF	200	133	\$ 26,600	\$ 39,900	A	2
BARNEY CT	214	213	8	271	CP	4E+32	4	4100	Replace Line	LF	200	271	\$ 54,200	\$ 81,300	A	2
1ST PL	224	223	8	510	CP	4532	4	4100	Replace Line	LF	200	510	\$ 102,000	\$ 153,000	A	2
2ND ST	233	232	8	233	CP	5100	0	0	Replace Line	LF	200	233	\$ 46,600	\$ 69,900	A	2
5TH ST	253	252	8	271	CP	5100	1	1100	Replace Line	LF	200	271	\$ 54,200	\$ 81,300	A	2
PROSPECT AVE-EASEMENT	264	263	8	234	CP	5200	61	4132	Replace Line	LF	200	234	\$ 46,800	\$ 70,200	A	2
5TH ST-EASEMENT	271	270	8	242	CP	5142	7	4131	Replace Line	LF	200	242	\$ 48,400	\$ 72,600	A	2
4th St	295	294	8	262	CP	5231	22	4521	Replace Line	LF	200	262	\$ 52,400	\$ 78,600	A	2
AVIATION BLVD	620	619	8	115	CP	5142	4	4100	Replace Line	LF	200	115	\$ 23,000	\$ 34,500	A	2
AVIATION BLVD	630	629	8	307	VCP	5100	2	2100	Replace Line	LF	200	307	\$ 61,400	\$ 92,100	A	2
PROSPECT AVE	634	633	8	264	CP	5100	50	311J	Replace Line	LF	200	264	\$ 52,800	\$ 79,200	A	2
11TH ST	638	637	8	257	CP	5100	0	0	Replace Line	LF	200	257	\$ 51,400	\$ 77,100	A	2
PACIFIC COAST HWY	655	615	8	235	CP	4100	4	4100	Replace Line	LF	200	235	\$ 47,000	\$ 70,500	A	2
ALLEY	663	662	6	134	CP	5400	0	0	Replace Line	LF	200	134	\$ 26,800	\$ 40,200	A	2
8TH ST	675	670	8	246	CP	5100	0	0	Replace Line	LF	200	246	\$ 49,200	\$ 73,800	A	2
ARDMORE AVE	688	611	8	187	CP	5100	1	1100	Replace Line	LF	200	187	\$ 37,400	\$ 56,100	A	2
GOLDEN AVE	832	831	8	203.3	CP	5100	9	3300	Replace Line	LF	200	203	\$ 40,660	\$ 61,000	A	2

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
21st St	1055	1054	8	91	VCP	5100	0	0	Replace Line	LF	200	91	\$ 18,200	\$ 27,300	A	2
HERMOSA AVE	1107	1106A	8	204	VCP	5100	12	3400	Replace Line	LF	200	204	\$ 40,800	\$ 61,200	A	2
HERMOSA AVE	1014A	1016	8	100	VCP	5100	0	0	Replace Line	LF	200	100	\$ 20,000	\$ 30,000	A	2
FRANCISCO ST	61	60	8	170	CP	4200	25	4332	Replace Line	LF	200	170	\$ 34,000	\$ 51,000	B	3
FRANCISCO AVE	61	60	8	170	VCP	4100	4	2200	Replace Line	LF	200	170	\$ 34,000	\$ 51,000	B	3
FRANCISCO ST	62	61	8	155	CP	3100	7	4131	Replace Line	LF	200	155	\$ 31,000	\$ 46,500	B	3
PARK AVE	106	105	8	227	CP	5132	38	4433	Replace Line	LF	200	227	\$ 45,400	\$ 68,100	B	3
MYRTLE AVE	109	103	8	166	CP	4331	30	4129	Replace Line	LF	200	166	\$ 33,200	\$ 49,800	B	3
27th CT	114	113	8	373	VCP	4100	22	4134	Replace Line	LF	200	373	\$ 74,600	\$ 111,900	B	3
29th ST	523	518	8	479	CP	4131	19	4132	Replace Line	LF	200	479	\$ 95,800	\$ 143,700	B	3
27th CT	535	534	8	175	VCP	4100	0	0	Replace Line	LF	200	175	\$ 35,000	\$ 52,500	B	3
ARDMORE AVE	726	725	8	269	VCP	5131	4	3111	Replace Line	LF	200	269	\$ 53,800	\$ 80,700	B	3
ARDMORE AVE	731	730	8	224	VCP	4200	3	3100	Replace Line	LF	200	224	\$ 44,800	\$ 67,200	B	3
24th Pl	735	728	8	339	CP	4100	0	0	Replace Line	LF	200	339	\$ 67,800	\$ 101,700	B	3
SPRINGFIELD AVE	748	745	8	146	CP	5131	43	332A	Replace Line	LF	200	146	\$ 29,200	\$ 43,800	B	3
ARDMORE AVE EASEMENT	801	0801A	8	200	VCP	3100	4	4100	Replace Line	LF	200	200	\$ 40,000	\$ 60,000	B	3
HERMOSA AVE	1025	1024	8	537	VCP	4100	36	512A	Replace Line	LF	200	537	\$ 107,400	\$ 161,100	B	3
HERMOSA AVE	1030	1029	8	190	VCP	4100	7	4113	Replace Line	LF	200	190	\$ 38,000	\$ 57,000	B	3
OZONE	1042	1039	8	391	CP	4100	6	3121	Replace Line	LF	200	391	\$ 78,200	\$ 117,300	B	3
PALM DR	1052	1036	6	790	VCP	4535	51	4333	Replace Line	LF	200	790	\$ 158,000	\$ 237,000	B	3
21st Ct	1081A	1081	6	218	VCP	4100	2	2100	Replace Line	LF	200	218	\$ 43,600	\$ 65,400	B	3
24th ST	C2107	1023	8	235	VCP	4100	0	0	Replace Line	LF	200	235	\$ 47,000	\$ 70,500	B	3
LOMA DR	124	123	8	458	VCP	4100	128	4A3C	Replace Line	LF	200	458	\$ 91,600	\$ 137,400	B	4
BAYVIEW DR	126	0126A	6	435	VCP	4232	36	4622	Replace Line	LF	200	435	\$ 87,000	\$ 130,500	B	4
2nd ST	207	206	8	307	CP	4200	8	3221	Replace Line	LF	200	307	\$ 61,400	\$ 92,100	B	4
2ND ST	232	231	8	140	CP	4B00	2	2100	Replace Line	LF	200	140	\$ 28,000	\$ 42,000	B	4
2ND ST	235	234	8	370	CP	513B	4	4100	Replace Line	LF	200	370	\$ 74,000	\$ 111,000	B	4
24th ST	591	0591A	8	316	CP	4100	7	3114	Replace Line	LF	200	316	\$ 63,200	\$ 94,800	B	4
9th St	696	689	6	443	CP	4100	3	3100	Replace Line	LF	200	443	\$ 88,600	\$ 132,900	B	4
VALLEY DR	701	610	8	15	VCP	4100	0	0	Replace Line	LF	200	15	\$ 3,000	\$ 4,500	B	4
CYPRESS AVE	706	705	8	69	CP	4100	0	0	Replace Line	LF	200	69	\$ 13,800	\$ 20,700	B	4
11th St	708	608	8	338	CP	4131	16	4126	Replace Line	LF	200	338	\$ 67,600	\$ 101,400	B	4
VALLEY DR	722	605	10	127	CP	4100	6	4112	Replace Line	LF	235	127	\$ 29,845	\$ 44,800	B	4
PARK AVE	1047	1046	8	326	CP	4100	17	4331	Replace Line	LF	200	326	\$ 65,200	\$ 97,800	B	4
MANHATTAN AVE	1057	1056	8	128	CP	4131	5	1500	Replace Line	LF	200	128	\$ 25,600	\$ 38,400	B	4
MANHATTAN AVE	1061	1060	8	291	CP	4200	23	4227	Replace Line	LF	200	291	\$ 58,200	\$ 87,300	B	4

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
PALM DR	1065	1054	6	283	VCP	4131	0	0	Replace Line	LF	200	283	\$ 56,600	\$ 84,900	B	4
HERMOSA AVE	1069	C0500	8	300	VCP	514A	0	0	Replace Line	LF	200	300	\$ 60,000	\$ 90,000	B	4
BEACH DR	1088	1082	8	64	CP	4100	0	0	Replace Line	LF	200	64	\$ 12,800	\$ 19,200	B	4
BEACH DR	1098	1097	8	271	CI	0000	114	3G00	Replace Line	LF	200	271	\$ 54,200	\$ 81,300	B	4
BEACH DR	1099	1098	8	271	CI	0000	60	433B	Replace Line	LF	200	271	\$ 54,200	\$ 81,300	B	4
CULPER CT	1133	1132	8	181	CP	4100	2	1200	Replace Line	LF	200	181	\$ 36,200	\$ 54,300	B	4
PACIFIC COAST HWY	0687B	613	8	200	VCP	4100	0	0	Replace Line	LF	200	200	\$ 40,000	\$ 60,000	B	4
9Th Ct	1097A	1097	6	268	VCP	4131	23	312A	Replace Line	LF	200	268	\$ 53,600	\$ 80,400	B	4
MANHATTAN AVE	1115C	1115B	6	170	VCP	4100	26	4322	Replace Line	LF	200	170	\$ 34,000	\$ 51,000	B	4
8th PL	688A	688B	6	450	VCP	4131	26	3121	Replace Line	LF	200	450	\$ 90,000	\$ 135,000	B	4
MANHATTAN AVE	Cap	0141A	6	138	VCP	3100	4	4100	Replace Line	LF	200	138	\$ 27,600	\$ 41,400	B	4
14th ST	1070	1067	6	139	VCP	3600	4	4100	Replace Line	LF	200	139	\$ 27,800	\$ 41,700	B	4
LONGFELLOW AVE EASEMENT	80	79	8	122	CP	4100	4	1400	Replace Line	LF	200	122	\$ 24,400	\$ 36,600	B	5
HARPER AVE	322	321	8	500	CP	5141	212	3F1Z	Replace Line	LF	200	500	\$ 100,000	\$ 150,000	B	5
19TH ST	326	325	8	278	CP	4700	8	3212	Replace Line	LF	200	278	\$ 55,600	\$ 83,400	B	5
20TH ST	328	327	8	220	CP	4200	24	331B	Replace Line	LF	200	220	\$ 44,000	\$ 66,000	B	5
PACIFIC COAST HWY	741	740	8	463	CP	4100	2	2100	Replace Line	LF	200	463	\$ 92,600	\$ 138,900	B	5
PACIFIC COAST HWY	754	753	8	271	CP	5142	0	0	Replace Line	LF	200	271	\$ 54,200	\$ 81,300	B	5
PACIFIC COAST HWY	756	755	8	409	CP	4432	0	0	Replace Line	LF	200	409	\$ 81,800	\$ 122,700	B	5
PACIFIC COAST HWY	757	756	8	435	CP	5143	5	4111	Replace Line	LF	200	435	\$ 87,000	\$ 130,500	B	5
PROSPECT AVE	768	766	8	526	CP	524E	6	3200	Replace Line	LF	200	526	\$ 105,200	\$ 157,800	B	5
PROSPECT AVE	769	766	8	351	VCP	4100	0	0	Replace Line	LF	200	351	\$ 70,200	\$ 105,300	B	5
ALLEY	777	774	8	144	CP	5141	1	1100	Replace Line	LF	200	144	\$ 28,800	\$ 43,200	B	5
19th ST	778	756	8	268	CP	4100	4	2112	Replace Line	LF	200	268	\$ 53,600	\$ 80,400	B	5
HILLCREST DR	786	781	8	260	CP	4100	84	3	Replace Line	LF	200	260	\$ 52,000	\$ 78,000	B	5
17TH ST	793	792	8	399	CP	514H	26	4136	Replace Line	LF	200	399	\$ 79,800	\$ 119,700	B	5
PACIFIC COAST HWY	808	807	8	159	CP	4100	0	0	Replace Line	LF	200	159	\$ 31,800	\$ 47,700	B	5
PACIFIC COAST HWY	809	808	8	140.8	CP	5141	9	3300	Replace Line	LF	200	141	\$ 28,160	\$ 42,200	B	5
AVIATION BLVD	813	812	8	44	CI	3100	0	0	Replace Line	LF	200	44	\$ 8,700	\$ 13,100	B	5
AVIATION BLVD	815	813	8	400.7	CP	544D	2	2100	Replace Line	LF	200	401	\$ 80,140	\$ 120,200	B	5
AVIATION BLVD	816	815	8	98	CP	3100	4	4100	Replace Line	LF	200	98	\$ 19,600	\$ 29,400	B	5
AVIATION BLVD	817	0816A	8	212.6	CP	5242	2	1200	Replace Line	LF	200	213	\$ 42,520	\$ 63,800	B	5
OWOSSO AVE	835	817	8	191	CP	5132	49	4133	Replace Line	LF	200	191	\$ 38,200	\$ 57,300	B	5
14TH ST	847	846	8	244.7	CP	5131	7	3122	Replace Line	LF	200	245	\$ 48,940	\$ 73,400	B	5
BONNIE BRAE ST	851	847	8	113	CP	514C	36	3A00	Replace Line	LF	200	113	\$ 22,600	\$ 33,900	B	5
BONNIE BRAE ST	852	851	8	525	CP	4K32	109	3F21	Replace Line	LF	200	525	\$ 105,000	\$ 157,500	B	5

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
CAMPANA ST	854	853	8	288	CP	4100	14	2700	Replace Line	LF	200	288	\$ 57,600	\$ 86,400	B	5
15th St	857	0856A	8	227	CP	4100	0	0	Replace Line	LF	200	227	\$ 45,400	\$ 68,100	B	5
HARPER AVE	324A	324	8	93	VCP	4100	1	1100	Replace Line	LF	200	93	\$ 18,600	\$ 27,900	B	5
24TH ST	764B	764C	8	210	VCP	5141	20	3621	Replace Line	LF	200	210	\$ 42,000	\$ 63,000	B	5
19TH ST	325	324	8	227	CP	5133	6	2114	Replace Line	LF	200	227	\$ 45,400	\$ 68,100	B	5
20TH PL	329	322	8	402	CP	5141	0	0	Replace Line	LF	200	402	\$ 80,400	\$ 120,600	B	5
18TH ST	1165	779	8	165	VCP	5121	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500	B	5
2ND ST	210	209	8	124	CP	4200	0	0	Replace Line	LF	200	124	\$ 24,800	\$ 37,200	B	6
2ND ST	211	210	8	384	CP	5244	72	1P00	Replace Line	LF	200	384	\$ 76,800	\$ 115,200	B	6
1ST ST	221	220	8	422	CP	4100	103	4234	Replace Line	LF	200	422	\$ 84,400	\$ 126,600	B	6
5th ST	252	251	8	188	CP	4200	0	0	Replace Line	LF	200	188	\$ 37,600	\$ 56,400	B	6
5TH ST	254	253	8	204	CP	5141	0	0	Replace Line	LF	200	204	\$ 40,800	\$ 61,200	B	6
5TH ST	256	255	8	284	CP	4F00	5	3112	Replace Line	LF	200	284	\$ 56,800	\$ 85,200	B	6
PROSPECT AVE	261	260	8	211	CP	4100	5	3112	Replace Line	LF	200	211	\$ 42,200	\$ 63,300	B	6
PROSPECT AVE	263	262	8	165	CP	4100	0	0	Replace Line	LF	200	165	\$ 33,000	\$ 49,500	B	6
MASSEY ST	266	265	8	269	CP	4100	0	0	Replace Line	LF	200	269	\$ 53,800	\$ 80,700	B	6
HOLLOWELL AVE	267	262	8	472	CP	5144	3	2111	Replace Line	LF	200	472	\$ 94,400	\$ 141,600	B	6
HOLLOWELL AVE	268	261	8	180	CP	5143	0	0	Replace Line	LF	200	180	\$ 36,000	\$ 54,000	B	6
HOPKINS ST	274	272	8	213	CP	5142	13	4133	Replace Line	LF	200	213	\$ 42,600	\$ 63,900	B	6
3RD ST	280	279	8	322	CP	5142	5	3121	Replace Line	LF	200	322	\$ 64,400	\$ 96,600	B	6
PACIFIC COAST HWY	615	614	10	107	CP	4131	0	0	Replace Line	LF	235	107	\$ 25,145	\$ 37,700	B	6
AVIATION BLVD	619	618	8	251	CP	4131	2	1200	Replace Line	LF	200	251	\$ 50,200	\$ 75,300	B	6
AVIATION BLVD	621	620	8	93	CP	5141	6	3121	Replace Line	LF	200	93	\$ 18,600	\$ 27,900	B	6
AVIATION BLVD	624	623	8	113	CP	4600	0	0	Replace Line	LF	200	113	\$ 22,600	\$ 33,900	B	6
AVIATION BLVD	626	625	8	85	CP	5141	4	4100	Replace Line	LF	200	85	\$ 17,000	\$ 25,500	B	6
AVIATION BLVD	627	626	8	185	CP	4100	15	3500	Replace Line	LF	200	185	\$ 37,000	\$ 55,500	B	6
AVIATION BLVD	628	627	8	144	CP	4100	66	3C00	Replace Line	LF	200	144	\$ 28,800	\$ 43,200	B	6
10TH ST	636	635	8	336.3	CP	5241	35	4137	Replace Line	LF	200	336	\$ 67,260	\$ 100,900	B	6
11TH PL	640	639	8	184	CP	4631	8	4121	Replace Line	LF	200	184	\$ 36,800	\$ 55,200	B	6
9TH ST	651	650	8	301	CP	5342	130	412N	Replace Line	LF	200	301	\$ 60,200	\$ 90,300	B	6
7TH ST	667	666	8	57	CP	4100	8	3115	Replace Line	LF	200	57	\$ 11,400	\$ 17,100	B	6
7TH ST	668	667	8	379	CP	4131	76	511P	Replace Line	LF	200	379	\$ 75,800	\$ 113,700	B	6
PROSPECT AVE	670	669	8	264	CP	4131	51	1K00	Replace Line	LF	200	264	\$ 52,800	\$ 79,200	B	6
7TH ST	677	669	8	295	CP	4H12	0	0	Replace Line	LF	200	295	\$ 59,000	\$ 88,500	B	6
PROSPECT AVE	679	669	8	224	CP	4100	24	3800	Replace Line	LF	200	224	\$ 44,800	\$ 67,200	B	6
7TH PL	680	679	8	438	CP	5142	81	4132	Replace Line	LF	200	438	\$ 87,600	\$ 131,400	B	6

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
7TH PL	681	680	8	381	CP	5141	21	3700	Replace Line	LF	200	381	\$ 76,200	\$ 114,300	B	6
EASEMENT	652A	652	8	200	CP	4200	0	0	Replace Line	LF	200	200	\$ 40,000	\$ 60,000	B	6
ALLEY	663	662	6	134	CP	5242	2	2100	Replace Line	LF	200	134	\$ 26,800	\$ 40,200	B	6
7TH ST	666	665	8	209	CP	4G11	5	1500	Replace Line	LF	200	209	\$ 41,800	\$ 62,700	B	6
Subtotal				36,768								36,768	\$ 7,367,000	\$ 11,051,000		
13TH ST	0844A	808	8	245	CP	0000	4	4100	Line Entire Segment	LF	55	245	\$ 13,475	\$ 20,200	C	1
ALLEY	774	761	8	117	CP	0000	4	4100	Line Entire Segment	LF	55	117	\$ 6,435	\$ 9,700	C	1
PORTER LN	732	731	8	219	VCP	0000	11	4231	Line Entire Segment	LF	55	219	\$ 12,045	\$ 18,100	C	1
34th PL	40	39	6	281	VCP	0000	4	4100	Line Entire Segment	LF	55	281	\$ 15,455	\$ 23,200	C	1
28th Ct	55	54	8	406	VCP	0000	9	5141	Line Entire Segment	LF	55	406	\$ 22,330	\$ 33,500	C	1
33rd PL	91	90	8	272	VCP	0000	7	4131	Line Entire Segment	LF	55	272	\$ 14,960	\$ 22,400	C	1
VALLEY PARK	571	514	8	313	CP	0000	7	5121	Line Entire Segment	LF	55	313	\$ 17,215	\$ 25,800	C	1
29th CT	0526A	526	8	20	VCP	0000	4	4100	Line Entire Segment	LF	55	20	\$ 1,100	\$ 1,700	C	1
28th CT	532	531	8	242	VCP	0000	7	4131	Line Entire Segment	LF	55	242	\$ 13,310	\$ 20,000	C	1
24th PL	587	508	8	354	CP	0000	22	4432	Line Entire Segment	LF	55	354	\$ 19,470	\$ 29,200	C	1
POWER ST EASEMENT	0504A	0504B	15	360	VCP	0000	4	4100	Line Entire Segment	LF	76	360	\$ 27,360	\$ 41,000	C	1
POWER ST EASEMENT	0504A	0504B	15	360	VCP	0000	4	4100	Line Entire Segment	LF	76	360	\$ 27,360	\$ 41,000	C	1
MYRTLE AVE EASEMENT	110	109	8	260	CP	0000	16	4400	Line Entire Segment	LF	55	260	\$ 14,300	\$ 21,500	C	1
VALLEY PARK AVE	597	596	8	121	VCP	0000	7	4131	Line Entire Segment	LF	55	121	\$ 6,655	\$ 10,000	C	1
16th ST	751	722	8	290	CP	0000	4	4100	Line Entire Segment	LF	55	290	\$ 15,950	\$ 23,900	C	1
25th St	105	104	8	270	CP	0000	11	4231	Line Entire Segment	LF	55	270	\$ 14,850	\$ 22,300	C	1
25th St	105	104	8	270	CP	0000	18	4332	Line Entire Segment	LF	55	270	\$ 14,850	\$ 22,300	C	1
25th St	1153	1152	8	109	VCP	0000	4	4100	Line Entire Segment	LF	55	109	\$ 5,995	\$ 9,000	C	1
24th ST	1039	1038	8	138	CP	0000	4	4100	Line Entire Segment	LF	55	138	\$ 7,590	\$ 11,400	C	1
LONGFELLOW AVE EASEMENT	81	0081A	8	394	CP	0000	15	4331	Line Entire Segment	LF	55	394	\$ 21,670	\$ 32,500	C	1
HERMOSA VIEW DR	570	569	8	161	VCP	0000	4	4100	Line Entire Segment	LF	55	161	\$ 8,855	\$ 13,300	C	1
HERMOSA VIEW DR EASEMENT	C/O	569	8	132	VCP	0000	30	5144	Line Entire Segment	LF	55	132	\$ 7,260	\$ 10,900	C	1
HERMOSA AVE	1155	1156	8	275	VCP	0000	4	4100	Line Entire Segment	LF	55	275	\$ 15,125	\$ 22,700	C	1
21st St	1056	1055	8	48	CP	0000	4	4100	Line Entire Segment	LF	55	48	\$ 2,640	\$ 4,000	C	1
PIER AVE	806	805	8	339	CP	0000	7	4131	Line Entire Segment	LF	55	339	\$ 18,645	\$ 28,000	C	1
PORTER LN EASEMENT	581	580	8	139	VCP	0000	16	4400	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500	C	1
PORTER LN EASEMENT	578	577	8	139	VCP	0000	15	4331	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500	C	1
VALLEY PARK EASEMENT	575	513	8	274	CP	0000	4	4100	Line Entire Segment	LF	55	274	\$ 15,070	\$ 22,600	C	1
VALLEY PARK EASEMENT	575	513	8	274	CP	0000	4	4100	Line Entire Segment	LF	55	274	\$ 15,070	\$ 22,600	C	1
VALLEY PARK AVE EASEMENT	602	502	12	160	POLY	0000	100	4D00	Line Entire Segment	LF	68	160	\$ 10,880	\$ 16,300	C	1
19th St	1066	1020	6	303	VCP	0000	4	4100	Line Entire Segment	LF	55	303	\$ 16,665	\$ 25,000	C	1

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
PALM DR	1063	1063B	8	200	CP	0000	7	4131	Line Entire Segment	LF	55	200	\$ 11,000	\$ 16,500	C	1
PALM DR	1053	1036	6	353	VCP	0000	4	4100	Line Entire Segment	LF	55	353	\$ 19,415	\$ 29,100	C	1
PACIFIC COAST HWY - EASEMENT	812	811	8	136	CP	0000	7	4131	Line Entire Segment	LF	55	136	\$ 7,480	\$ 11,200	C	2
7TH ST	669	668	8	53	CP	0000	4	4100	Line Entire Segment	LF	55	53	\$ 2,915	\$ 4,400	C	2
HILL ST	236	232A	8	38	OTHER	0000	4	4100	Line Entire Segment	LF	55	38	\$ 2,090	\$ 3,100	C	2
2ND ST	231	CO230	8	100	VCP	0000	4	4100	Line Entire Segment	LF	55	100	\$ 5,500	\$ 8,300	C	2
THE STRAND	1093B	1093A	6	79	VCP	0000	4	4100	Line Entire Segment	LF	55	79	\$ 4,345	\$ 6,500	C	2
THE STRAND	1093B	1093A	6	79	PVC	0000	4	4100	Line Entire Segment	LF	55	79	\$ 4,345	\$ 6,500	C	2
SPRINGFIELD AVE	747	745	8	183	CP	0000	4	4100	Line Entire Segment	LF	55	183	\$ 10,065	\$ 15,100	C	2
8th Pl	688B	688	8	35	VCP	0000	4	4100	Line Entire Segment	LF	55	35	\$ 1,925	\$ 2,900	C	2
ARDMORE AVE	725	724	8	397	VCP	0000	4	4100	Line Entire Segment	LF	55	397	\$ 21,835	\$ 32,800	C	2
13th CT	1091	1160	10	174	VCP	0000	8	4200	Line Entire Segment	LF	68	174	\$ 11,832	\$ 17,700	C	2
BARD ST	0703A	703	6	216	VCP	0000	4	4100	Line Entire Segment	LF	55	216	\$ 11,880	\$ 17,800	C	2
PALM DR	1068A	1068	8	128	VCP	0000	22	4432	Line Entire Segment	LF	55	128	\$ 7,040	\$ 10,600	C	2
PACIFIC COAST HWY	289	288	8	248	VCP	0000	4	4100	Line Entire Segment	LF	55	248	\$ 13,640	\$ 20,500	C	2
MONTEREY BLVD	151	C0150	8	15	VCP	0000	4	4100	Line Entire Segment	LF	55	15	\$ 825	\$ 1,200	C	2
PIER AVE	805	606	8	170	VCP	0000	4	4100	Line Entire Segment	LF	55	170	\$ 9,350	\$ 14,000	C	2
HERONDO ST	176	172	8	306	CP	0000	11	4231	Line Entire Segment	LF	55	306	\$ 16,830	\$ 25,200	C	2
VALLEY DR EASEMENT	703	609	6	171	VCP	0000	4	4100	Line Entire Segment	LF	55	171	\$ 9,405	\$ 14,100	C	2
2nd St	1127	1004	8	54	VCP	0000	4	4100	Line Entire Segment	LF	55	54	\$ 2,970	\$ 4,500	C	2
VALLEY DR	605	604	15	328	VCP	0000	260	4N00	Line Entire Segment	LF	76	328	\$ 24,928	\$ 37,400	C	2
PALM DR	1126	1125	6	437	VCP	0000	4	4100	Line Entire Segment	LF	55	437	\$ 24,035	\$ 36,100	C	2
MANHATTAN AVE	1124	1120	8	235	VCP	0000	4	4100	Line Entire Segment	LF	55	235	\$ 12,925	\$ 19,400	C	2
28th Ct	55	54	8	250	CP	0000	4	4100	Line Entire Segment	LF	55	250	\$ 13,750	\$ 20,600	C	2
28th Ct	55	54	8	250	CP	0000	4	4100	Line Entire Segment	LF	55	250	\$ 13,750	\$ 20,600	C	2
28th Ct	55	54	8	220	CP	0000	4	4100	Line Entire Segment	LF	55	220	\$ 12,100	\$ 18,200	C	2
HERMOSA AVE	1108	1007	8	45	VCP	0000	4	4100	Line Entire Segment	LF	55	45	\$ 2,475	\$ 3,700	C	2
HERONDO ST	1132H	TRNK	10	79	VCP	0000	4	4100	Line Entire Segment	LF	68	79	\$ 5,372	\$ 8,100	C	2
1ST ST	204A	203	8	45	CP	0000	5	5100	Line Entire Segment	LF	55	45	\$ 2,475	\$ 3,700	C	2
2ND ST	234	233	8	139	VCP	0000	5	5100	Line Entire Segment	LF	55	139	\$ 7,645	\$ 11,500	C	2
10Th Ct	1096A	1096	6	291	VCP	0000	5	5100	Line Entire Segment	LF	55	291	\$ 16,005	\$ 24,000	C	2
POWER ST EASEMENT	503	1166	15	170	VCP	0000	5	5100	Line Entire Segment	LF	76	170	\$ 12,920	\$ 19,400	C	2
PACIFIC COAST HWY	Cap	759	8	156	CP	0000	5	5100	Line Entire Segment	LF	55	156	\$ 8,580	\$ 12,900	C	2
25th ST EASEMENT	511	510	10	192	VCP	2100	8	4200	Line Entire Segment	LF	79	192	\$ 15,168	\$ 22,800	D	3
GOULD AVE	538	537	8	163	VCP	2111	4	4100	Line Entire Segment	LF	55	163	\$ 8,965	\$ 13,400	D	3
19th St	1066	1020	6	303	VCP	2211	4	4100	Line Entire Segment	LF	55	303	\$ 16,665	\$ 25,000	D	3

STREET NAME	START MH	FINISH MH	PIPE DIA (in)	LENGTH	PIPE MATERIAL	Pipe Defects Quick Rating	O&M Defects	O & M Quick Rating	RECOMMENDED REHABILITATION	UNITS	UNIT COST	QUANTITY	CONSTRUCTION COST	CAPITAL COST	Priority	Proposed CIP Year
HILL ST	236	232A	6	38	VCP	1100	7	4131	Line Entire Segment	LF	55	38	\$ 2,090	\$ 3,100	D	4
EASEMENT	201	CO200	8	100	VCP	1100	8	4200	Line Entire Segment	LF	55	100	\$ 5,500	\$ 8,300	D	4
10Th Ct	1096A	1096	6	291	VCP	1100	8	5131	Line Entire Segment	LF	55	291	\$ 16,005	\$ 24,000	D	4
BEACH DR	1142A	1142	6	96	VCP	2100	4	4100	Line Entire Segment	LF	55	96	\$ 5,280	\$ 7,900	D	4
3rd St	245	244	8	150	CP	2100	105	4D11	Line Entire Segment	LF	55	150	\$ 8,250	\$ 12,400	D	4
MONTGOMERY DR	867	840	6	310	CP	1100	11	4231	Line Entire Segment	LF	55	310	\$ 17,050	\$ 25,600	D	6
HARPER AVE-EASEMENT	324E	324G	8	73	VCP	2100	7	5121	Line Entire Segment	LF	55	73	\$ 4,015	\$ 6,000	D	6
Subtotal				14,781								13,761	\$ 849,000	\$ 1,273,000		
Grand Total				51,549								50,529	\$ 8,216,000	\$ 12,324,000		



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Table 6-7: Capital Cost Estimates for Manhole Improvement Projects

Proposed CIP Year	MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
1	0061	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0062	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0071	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0072	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0074	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0082	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0084	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0086	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0112	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0123	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0324	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0325	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0507	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0509	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0515	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0518	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0520	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0534	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0540	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0726	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0728	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0737	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0740	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0744	Wall Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0746	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0752	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0758	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0765	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0766	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0774	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0778	Step Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0781	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0782	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0783	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0800	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	0859	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	1025	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	1028	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	1046	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	1057	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	1058	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	1083	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
1	0123A	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
1	1059A	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000



Proposed CIP Year	MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
2	0141	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0204	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0210	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0216	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0222	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0225	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0241	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0254	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0256	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0259	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0263	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0266	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0272	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0277	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0281	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0282	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0283	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0284	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0285	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0286	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0291	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0302	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0313	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0612	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0634	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0679	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0681	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0689	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0693	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0694	Step Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0717	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0718	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0719	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0816	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0827	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0831	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
2	0833	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0835	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0836	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0837	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0838	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0844	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0847	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0851	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0857	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000



Proposed CIP Year	MH #	Defect Type	Recommended Rehabilitation	Units	Quantity	Construction Cost Estimate	Capital Cost Estimate
2	0861	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0862	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	0866	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
2	1132	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0006	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0028	Step Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
3	0032	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0033	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0034	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0039	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0041	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0043	Wall Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0045	Cone Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
3	0088	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0089	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0090	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0104	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0108	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
3	0111	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0508	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0513	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0514	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0589	Chimney Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
3	1032	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	1037	Wall Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
3	1039	Bench Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	1044	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
3	0036A	Bench Defects	Manhole Rehabilitation	EA	1	\$ 7,000	\$ 10,500
4	0173	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	0175	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	0243	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	0245	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	0246	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	0247	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	1096	Chimney Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
4	1132H	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
5	0731	Multiple Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
5	0751	Cone Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
5	0812	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
5	0842	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
6	0669	Frame Defects	Manhole Replacement	EA	1	\$ 10,000	\$ 15,000
Totals					130	\$ 1,207,000	\$ 1,810,500

Table 6-8: Proposed Capital Improvement Projects 6-Year Plan

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
\$ 2,648,100	\$ 2,580,300	\$2,105,700	\$2,131,800	\$2,575,900	\$2,397,700	\$14,439,500



APPENDICES



Appendix A: CCTV Data



Distance	Flow Direction	Asset ID	Start ID	End ID	Asset Type	Asset Size	Asset Location	Asset Length	Pacp Quick Struct Rating	Pacp Quick Struct Num	Struct Ratings Index	Pacp Quick Maint Rating	Pacp Quick Maint Num	Maint Ratings Index	Pacp Quick Overall Rating	Pacp Quick Overall Num	Overall Ratings Index
25.2	Downstream	0637-0633	637	633	Concrete Pipe (non-reinforced)	8	11TH ST	250	5100	5	5	0	0	0	5100	5	5
25.2	Upstream	0663-0662	663	662	Concrete Pipe (non-reinforced)	6	ALLEY	134	5400	20	5	0	0	0	5400	20	5
116.1	Upstream	0784-784A	784	784A	Vitrified Clay Pipe	8	PROSPECT AVE	0	229	0	5	0	0	0	5100	5	5
308.2	Downstream	0675-0670	675	670	Concrete Pipe (non-reinforced)	8	8TH ST	246	5100	5	5	0	0	0	5100	5	5
150.3	Upstream	0638-0637	638	637	Concrete Pipe (non-reinforced)	8	11TH ST	267	5100	5	5	0	0	0	5100	5	5
32.6	Downstream	0213-209A	213	209A	Concrete Pipe (non-reinforced)	8	BARNEY CT-EASEMENT	133	5100	5	5	0	0	0	5100	5	5
230.5	Downstream	0233-0232	233	232	Concrete Pipe (non-reinforced)	8	2ND ST	233	5100	5	5	0	0	0	5100	5	5
30.5	Downstream	47 46	47	46	Concrete Pipe (non-reinforced)	8	31th PL	33	5100	5	5	0	0	0	5100	5	5
134.8	Downstream	0073 0072	73	72	Concrete Pipe (non-reinforced)	10	ARMORE AVE	147	5100	5	5	0	0	0	5100	5	5
121.5	Upstream	1094A 1094	1094A	1094	Vitrified Clay Pipe	8	HERMOSA AVE	100	5100	5	5	0	0	0	5100	5	5
289.1	Downstream	1055 1054	1055	1054	Vitrified Clay Pipe	8	21st St	91	5100	5	5	0	0	0	5100	5	5
107.7	Upstream	1055 1054	1055	1054	Vitrified Clay Pipe	8	21st St	91	5100	5	5	0	0	0	5100	5	5
280	Downstream	0634-0633	634	633	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	264	5100	5	5	311J	50	1	5131	55	1
106.9	Downstream	0325-0324	325	324	Concrete Pipe (non-reinforced)	8	19TH ST	254	5200	10	5	1800	17	1	521B	27	1
213.6	Downstream	0327-0323	327	323	Concrete Pipe (non-reinforced)	8	20TH ST	201	5100	5	5	221C	25	1	5122	30	1
154.4	Upstream	0329-0322	329	322	Concrete Pipe (non-reinforced)	8	20TH PL	402	5100	5	5	1100	1	1	5111	6	3
274.7	Downstream	0253-0252	253	252	Concrete Pipe (non-reinforced)	8	5TH ST	121	5100	5	5	1100	1	1	5111	6	3
242.8	Downstream	0264-0263	264	263	Concrete Pipe (non-reinforced)	8	PROSPECT AVE-EASEMENT	234	5200	10	5	4132	61	1	5241	71	1
185.8	Downstream	0212-0211	212	211	Concrete Pipe (non-reinforced)	8	2ND ST	184	5100	5	5	3123	41	1	5131	46	1
163.8	Downstream	688 611	688	611	Concrete Pipe (non-reinforced)	8	ARMORE AVE	187	5100	5	5	1100	7	1	5111	6	3
338	Downstream	1070A 1070	1070A	1070	Vitrified Clay Pipe	6	MANHATTAN AVE	285	5100	5	5	3114	7	1	5131	12	2
290.5	Downstream	0832-0831	832	831	Concrete Pipe (non-reinforced)	8	GOLDEN AVE	203.3	5100	5	5	3324	20	2	5133	25	2
162.6	Downstream	0832-0831	832	831	Concrete Pipe (non-reinforced)	8	GOLDEN AVE	203.3	5100	5	5	3324	20	2	5133	25	2
96.4	Upstream	1089 1088	1089	1088	Vitrified Clay Pipe	8	BEACH DR	58	5100	5	5	2100	2	2	5121	7	4
208.1	Downstream	749 744	749	744	Concrete Pipe (non-reinforced)	8	AVA AVE	199	5100	5	5	4111	5	2	5141	10	3
158.4	Downstream	0586 0509	586	509	Concrete Pipe (non-reinforced)	8	25th ST	128	5200	10	5	4113	7	2	5241	17	3
81.6	Downstream	0172 0171	172	1001	Concrete Pipe (non-reinforced)	8	HERONDO St	126	5100	5	5	4111	5	2	5141	10	3
51.7	Upstream	0832-0831	832	831	Concrete Pipe (non-reinforced)	8	GOLDEN AVE	203.3	5100	5	5	3300	9	3	5133	14	4
112.1	Downstream	0795-0794	795	794	Concrete Pipe (non-reinforced)	8	16TH ST	109	5200	10	5	3100	3	3	5231	13	4
18.9	Downstream	1107 1106A	1107	1106A	Vitrified Clay Pipe	8	HERMOSA AVE	204	5100	5	5	3400	12	3	5134	17	3
307.7	Downstream	652A-0652	652A	652	Concrete Pipe (non-reinforced)	8	EASEMENT	8	4200	8	4	0	0	0	4200	8	4
101.8	Downstream	0624-0623	624	623	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	113	4600	24	4	0	0	0	4600	24	4
366.8	Downstream	0769-0766	769	766	Vitrified Clay Pipe	8	PROSPECT AVE	351	4100	4	4	0	0	0	4100	4	4
172.1	Downstream	1165-0699	1165	779	Vitrified Clay Pipe	8	18TH ST	165	5121	7	4	0	0	0	5121	12	4
182.6	Downstream	0329-0322	329	322	Concrete Pipe (non-reinforced)	8	20TH PL	402	5141	9	4	0	0	0	5141	9	4
28.2	Downstream	0254-0253	254	253	Concrete Pipe (non-reinforced)	8	5TH ST	127	4	0	0	0	0	0	5141	12	4
363.1	Downstream	0677-0669	677	669	Concrete Pipe (non-reinforced)	8	7TH ST	295	4H12	158	4	0	0	0	4H12	158	4
192.1	Downstream	0268-0261	268	261	Concrete Pipe (non-reinforced)	8	HOLLOWELL AVE	180	5143	18	4	0	0	0	5143	18	4
172	Downstream	0263-0262	263	262	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	165	4100	4	4	0	0	0	4100	4	4
95.1	Downstream	0210-0209	210	209	Concrete Pipe (non-reinforced)	8	2ND ST	124	4200	8	4	0	0	0	4200	8	4
90.1	Downstream	0615-0614	615	614	Concrete Pipe (non-reinforced)	10	PACIFIC COAST HWY	107	4131	7	4	0	0	0	4131	7	4
265.8	Downstream	0266-0265	266	265	Concrete Pipe (non-reinforced)	8	MASSEY ST	269	4100	4	4	0	0	0	4100	4	4
105.5	Upstream	CB-OPEN BOX	CB	OPEN BOX	Corrugated Metal Pipe	24	IDYWOOD DR FERNWOOD M.H.P	4	4100	4	4	0	0	0	4100	4	4
66.2	Upstream	1088 1082	1088	1082	Concrete Pipe (non-reinforced)	8	BEACH DR	64	4100	4	4	0	0	0	4100	4	4
389.1	Downstream	0695 728	695	728	Concrete Pipe (non-reinforced)	8	24TH PL	339	4100	4	4	0	0	0	4100	4	4
173	Downstream	0535 0534	535	534	Vitrified Clay Pipe	8	27th CT	175	4100	4	4	0	0	0	4100	4	4
255.8	Downstream	1065 1054	1065	1054	Vitrified Clay Pipe	6	PALM DR	283	4131	7	4	0	0	0	4131	7	4
96.8	Upstream	C2107 1023	C2107	1023	Vitrified Clay Pipe	8	24th ST	235	4100	4	4	0	0	0	4100	4	4
204	Downstream	0706 0705	706	705	Concrete Pipe (non-reinforced)	8	CYPRESS AVE	69	4100	4	4	0	0	0	4100	4	4
183	Downstream	0252 0251	252	251	Concrete Pipe (non-reinforced)	8	5th ST	188	4200	8	4	0	0	0	4200	8	4
116.5	Downstream	0687B 0613	0687B	0613	Vitrified Clay Pipe	8	PACIFIC COAST HWY	200	4100	4	4	0	0	0	4100	4	4
400.3	Downstream	0756 0755	756	755	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	409	4432	22	4	0	0	0	4432	22	4
286.8	Downstream	0754 0753	754	753	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	271	5142	19	4	0	0	0	5142	19	4
177.8	Downstream	0857 0856A	857	0856A	Concrete Pipe (non-reinforced)	8	15th St	227	4100	4	4	0	0	0	4100	4	4
18.6	Upstream	0701 0610	701	610	Vitrified Clay Pipe	8	VALLEY DR	15	4100	4	4	0	0	0	4100	4	4
150.9	Downstream	0808 0807	808	807	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	807	4100	4	4	0	0	0	4100	4	4
248	Downstream	1068 C0500	1069	C0500	Vitrified Clay Pipe	8	HERMOSA AVE	300	514A	54	4	0	0	0	514A	54	4
201.4	Downstream	0835-0817	835	817	Concrete Pipe (non-reinforced)	8	OWOSSO AVE	191	5132	11	4	4133	49	1	5141	60	4
110.1	Downstream	0817-0816A	817	0816A	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	212.6	5242	19	4	1200	2	1	5242	21	3
146.8	Downstream	0777-0774	777	774	Concrete Pipe (non-reinforced)	8	ALLEY	144	5141	9	4	1100	1	1	5141	10	3
139	Downstream	324A-0324	324A	324	Vitrified Clay Pipe	8	HARPER AVE	93	4100	4	4	1100	1	1	4111	5	2
236.2	Downstream	0328-0327	328	327	Concrete Pipe (non-reinforced)	8	20TH ST	220	4200	8	4	331B	24	1	4233	32	2
512.7	Downstream	0322-0321	322	321	Concrete Pipe (non-reinforced)	8	HARPER AVE	500	5141	12	4	3F1Z	212	1	5141	224	1
433.1	Downstream	0680-0679	680	679	Concrete Pipe (non-reinforced)	8	7TH PL	438	5142	15	4	4132	81	1	5143	96	1
282.2	Downstream	0670-0669	670	669	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	264	4131	7	4	1K00	51	1	4131	58	1
388.3	Downstream	0668-0667	668	667	Concrete Pipe (non-reinforced)	8	7TH ST	379	4131	7	4	511P	76	1	5141	83	1
190.4	Upstream	0666-0665	666	665	Concrete Pipe (non-reinforced)	8	7TH ST	209	4611	14	4	1500	5	1	4G16	146	4
36.7	Downstream	0325-0324	325	324	Concrete Pipe (non-reinforced)	8	19TH ST	227	5133	6	4	2114	6	1	5133	12	8
121.3	Upstream	0325-0324	325	324	Concrete Pipe (non-reinforced)	8	19TH ST	227	5133	6	4	2114	6	1	5133	12	8
432.7	Downstream	0211-0210	211	210	Concrete Pipe (non-reinforced)	8	2ND ST	384	5244	26	4	1P00	72	1	5244	98	1
468.1	Downstream	0221-0220	221	220	Concrete Pipe (non-reinforced)	8	1ST ST	422	4100	4	4	4234	103	1	4334	107	1
255.6	Downstream	0619-0618	619	618	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	251	4131	7	4	1200	2	1	4131	9	

332.4	Downstream	0281-0280	281	280	Concrete Pipe (non-reinforced)	8	3RD ST	340	5132	15	3	3121	7	2	5133	22	2
313.6	Downstream	0209-0208	209	208	Concrete Pipe (non-reinforced)	8	2ND ST	316	4132	11	3	2400	8	2	4132	19	2
358.1	Downstream	0208-0207	208	207	Concrete Pipe (non-reinforced)	8	2ND ST	332	4J11	237	3	3212	8	2	4J32	245	3
125.7	Downstream	0202-0201	202	201	Concrete Pipe (non-reinforced)	8	1ST ST	120	4132	11	3	3121	5	2	4133	16	3
278.5	Downstream	1101-1100	1101	1100	Vitrified Clay Pipe	6	BEACH DR	272	5141	16	3	3212	8	2	5141	24	3
309.9	Downstream	1080A-1080	1080A	1080	Vitrified Clay Pipe	6	20TH CT	292	3200	6	3	4133	18	2	4135	24	2
365.2	Downstream	627-626	727	726	Vitrified Clay Pipe	6	ARMORE AVE	367	3300	9	3	4223	16	2	4223	25	2
245.7	Downstream	300-299	300	299	Concrete Pipe (non-reinforced)	8	5th St	243	3100	3	3	2211	5	2	3122	8	2
247.2	Downstream	697-611	697	611	Vitrified Clay Pipe	8	ARMORE AVE	228	3400	12	3	2F00	62	2	342F	74	2
211.4	Downstream	34-33	34	33	Concrete Pipe (non-reinforced)	8	34th St	212	3100	3	3	3213	9	2	3313	12	2
243.7	Downstream	0003-0002	3	2	Concrete Pipe (non-reinforced)	6	NEPTUNE AVE	226	3100	3	3	3313	12	2	3413	15	2
419	Downstream	0593-0507	593	507	Concrete Pipe (non-reinforced)	8	24th ST	385	3100	3	3	4135	55	2	4136	58	2
148.4	Downstream	0596-0502	596	502	Vitrified Clay Pipe	8	VALLEY PARK AVE EASEMENT	151	3100	3	3	4131	9	2	4132	12	2
381.8	Downstream	1040-1039	1040	1039	Concrete Pipe (non-reinforced)	8	24th ST	382	3100	3	3	4132	19	2	4133	22	2
374.9	Downstream	0125-0123	125	123	Vitrified Clay Pipe	8	LOMA DR	381	4434	29	3	3212	8	2	4436	37	3
129.2	Upstream	0570A-0570	Cap	570	Vitrified Clay Pipe	8	HERMOSA VIEW DR EASEMENT	139	3200	6	3	3321	15	2	3521	21	2
211.5	Downstream	1031-1030	1031	1030	Vitrified Clay Pipe	8	HERMOSA AVE	198	3100	3	3	3113	6	2	3213	9	2
316.1	Downstream	0717-0716	717	0716X	Concrete Pipe (non-reinforced)	8	LOMA DR	284	3100	3	3	2100	2	2	3121	5	2
350.8	Downstream	0791-0754	791	754	Concrete Pipe (non-reinforced)	8	17th St	329	4132	11	3	2100	2	2	4132	13	3
526.4	Downstream	1117-1116	1117	1116	Vitrified Clay Pipe	8	BAYVIEW DR	510	5131	9	3	4331	27	2	5143	36	2
269.1	Downstream	0704-0703	704	703	Vitrified Clay Pipe	6	VALLEY DR EASEMENT	255	3411	13	3	2C00	42	2	342C	55	2
355.5	Downstream	1132E-1132F	1132E	1132F	Vitrified Clay Pipe	8	VALLEY DR	330	3200	6	3	2300	6	2	3223	12	2
561.3	Downstream	0134-0122	134	122	Vitrified Clay Pipe	6	BAYVIEW DR	548	4333	23	3	4435	58	2	4738	81	2
274.2	Downstream	0173-0172	173	172	Vitrified Clay Pipe	8	PALM DR	279	4435	31	3	2B17	37	2	4435	68	2
95.7	Downstream	0631-0629	631	629	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	109	5141	13	3	3100	3	3	5141	16	3
151.7	Upstream	0216-0215	216	215	Concrete Pipe (non-reinforced)	8	1ST ST	8	353	3	3	3221	8	3	3321	11	3
475.6	Downstream	0629-0628	629	628	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	3	4233	19	3	3100	3	3	4234	22	3
408.1	Upstream	0821-0820	821	820	Vitrified Clay Pipe	8	14TH ST	396	3100	3	3	3H21	125	3	3H21	128	3
141.6	Upstream	0819-0818	819	818	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	387.3	5141	10	3	3100	3	3	5141	13	3
1167	Upstream	848X-848	848X	848	Concrete Pipe (non-reinforced)	8	14TH ST	138	5141	23	3	3800	18	3	5143	41	3
211.2	Downstream	848X-0847	848X	847	Concrete Pipe (non-reinforced)	8	14TH ST	138	5141	24	3	3800	51	3	5141	75	3
218.1	Downstream	0681-0680	681	680	Concrete Pipe (non-reinforced)	8	7TH PL	392	5111	6	3	3100	3	3	5131	9	3
294.7	Downstream	0623-0621	623	621	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	285	5144	24	3	3100	3	3	5144	27	3
149.7	Upstream	0618-0617	618	617	Concrete Pipe (non-reinforced)	10	PACIFIC COAST HWY	200	3100	3	3	3300	9	3	3400	12	3
445.5	Downstream	1144A-1143	1144A	1143	Vitrified Clay Pipe	8	THE STRAND	3	3300	9	3	3D2A	89	3	3D2A	98	3
204.8	Downstream	1100A-1100	1100A	1100	Vitrified Clay Pipe	6	6TH COURT	232	5142	37	3	3C23	66	3	5142	103	3
277.8	Downstream	1100-1099	1100	1099	Cast Iron	8	BEACH DR	271	3100	3	3	3100	132	3	3100	135	3
349.6	Downstream	723-722	723	722	Vitrified Clay Pipe	8	ARMORE AVE	358	3100	3	3	4838	58	3	4839	61	3
139.3	Downstream	0862-0861	862	861	Vitrified Clay Pipe	8	OAK ST	119	3200	6	3	4122	8	3	4132	14	3
43.9	Downstream	0864C-0864	0864C	864	Vitrified Clay Pipe	8	MONTREY AVE	24	3200	6	3	3600	18	3	3800	24	3
285.2	Downstream	0153C-0153	0153C	153	Vitrified Clay Pipe	8	MONTREY BLVD	570	3100	3	3	4132	11	3	4133	14	3
538.7	Downstream	1112-1111	1112	1111	Vitrified Clay Pipe	8	PALM DR	541	3200	6	3	3726	33	3	3926	39	3
100.2	Downstream	0626-0625	626	625	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	85	5141	11	3	4100	4	4	5142	15	3
112.8	Downstream	0816-0815	816	815	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	98	3100	3	3	4100	4	4	4131	7	4
353.9	Downstream	0235-0234	235	234	Concrete Pipe (non-reinforced)	8	2ND ST	370	513B	52	3	4100	4	4	5141	56	3
173.6	Downstream	0062-0061	62	61	Concrete Pipe (non-reinforced)	8	FRANCISCO ST	155	3100	3	3	4131	7	4	4132	10	3
139.8	Downstream	1070-1067	1070	1067	Vitrified Clay Pipe	6	14th St	139	3600	18	3	4100	4	4	4136	22	3
129.2	Upstream	0141B-0141A	Cap	0141A	Vitrified Clay Pipe	6	MANHATTAN AVE	138	3100	3	3	4100	4	4	4131	7	4
109.7	Upstream	0801-0801A	801	0801A	Vitrified Clay Pipe	8	ARMORE AVE EASEMENT	200	3100	3	3	4100	4	4	4131	7	4
242	Downstream	0216-0215	216	215	Concrete Pipe (non-reinforced)	8	1ST ST	2	0	0	0	0	0	0	2100	2	2
227.8	Downstream	0781-0780	781	780	Vitrified Clay Pipe	8	18th ST	222	2100	2	2	0	0	0	2100	2	2
338.8	Downstream	0283-0282	283	282	Concrete Pipe (non-reinforced)	8	3RD ST	319	4121	8	2	0	0	0	4121	8	2
125.5	Upstream	1144-1144A	1144	1144A	Vitrified Clay Pipe	6	THE STRAND	2	0	0	0	0	0	0	143	2	2
125.5	Upstream	299-298	299	298	Concrete Pipe (non-reinforced)	8	5th St	195	2100	2	2	0	0	0	2100	2	2
8.8	Downstream	245-244	245	244	Concrete Pipe (non-reinforced)	8	3rd St	150	2100	2	2	0	0	0	2100	2	2
146.1	Downstream	45-44	45	44	Concrete Pipe (non-reinforced)	8	32nd PL	276	2100	2	2	0	0	0	2100	2	2
37.1	Upstream	42-41	42	41	Concrete Pipe (non-reinforced)	8	33rd PL	288	2100	2	2	0	0	0	2100	2	2
179.2	Downstream	313-312	313	312	Vitrified Clay Pipe	8	CYPRESS AVE	194	2200	4	2	0	0	0	2200	4	2
6	Downstream	0511-0510	511	510	Vitrified Clay Pipe	10	VALLEY PARK	192	2111	3	2	0	0	0	2111	3	2
153.9	Downstream	0752A-0752B	0752A	0752B	Vitrified Clay Pipe	8	16th ST	335	2100	2	2	0	0	0	2100	2	2
187.7	Downstream	0104-0103	104	103	Vitrified Clay Pipe	8	25th St	202	2100	2	2	0	0	0	2100	2	2
34.5	Upstream	0652-0616	652	616	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	281	2100	2	2	0	0	0	2100	2	2
375.9	Downstream	0287-0248	287	248	Vitrified Clay Pipe	8	PACIFIC COAST HWY	340	2100	2	2	0	0	0	2100	2	2
3.9	Downstream	0142A-0142B	0142A	0142B	Vitrified Clay Pipe	8	PIER AVE	60	2100	2	2	0	0	0	2100	2	2
18.1	Upstream	0142A-0142B	0142A	0142B	Vitrified Clay Pipe	8	PIER AVE	60	2100	2	2	0	0	0	2100	2	2
14	Upstream	1128-1127	1128	1127	Vitrified Clay Pipe	8	2nd St	262	2100	2	2	0	0	0	2100	2	2
301.6	Downstream	0685-0668	685	668	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	279	3111	4	2	211M	61	1	3121	65	1
338.4	Upstream	0269-0260	269	260	Concrete Pipe (non-reinforced)	8	GENTRY ST	211	3212	8	2	211	45	1	3221	53	1
3	Downstream	0658-656A	658	656A	Vitrified Clay Pipe	6	EASEMENT	448	2100	2	2	1100	1	1	2111	3	2
451.9	Downstream	688D-688C	688D	688C	Vitrified Clay Pipe	6	8th PL	400	4132	12	2	4231	40	1	4333	52	1
390.7	Downstream	0864B-0864	0864B	864	Vitrified Clay Pipe	6	MONTREY AVE	359	2111	3	2	4116	10	1	4121	13	1
109.9	Downstream	1130-1129	1130	1129	Vitrified Clay Pipe	8	2nd St	1	2111	1	1	1100	1	1	2112	4	1
391	Downstream	0174-0173	174	173	Vitrified Clay Pipe	8	1st Ct	173	3221	10	2	1400	4	1	3221	14	2
409.8	Downstream	656A-655	656A	655	Concrete Pipe (non-reinforced)	8	EASEMENT	199	2111	3	2	413K	242	2	413K	245	2
171.5	Upstream	0815-0814	815	813	Concrete Pipe (non-reinforced)	8	AVIATION BLVD	400.7	5148	79	2	2100	2	2	5148	81	2
187.4	Upstream	0767-0766	767	766	Concrete Pipe (non-reinforced)	8	CWATSON AVE	180	2111	3	2	2111	3	2	3122	8	2
62	Upstream	0767-0766	767	766	Concrete Pipe (non-reinforced)	8	21ST ST	62	2100	2	2	2100	2	2	2211	5	2
167.2	Downstream	0323-0322	323	322	Concrete Pipe (non-reinforced)	8	HARPER AVE	240	5342	57	2	3C19	75	2	5342	132	2
358.8	Downstream	734-729	734	729	Vitrified Clay Pipe	8	25th St	333	3212	8	2	3315	14	2	3517	22	2
66.6	Downstream	299-298	299	298	Concrete Pipe (non-reinforced)	8	5th St	195	2100	2	2	2100	2	2	2200	4	2
249.4	Downstream	42-41	42	41	Vitrified Clay Pipe	8	33rd PL	288	2100	2	2	4134	31	2	4134	33	2
283.2	Downstream	0584-0510	584	510	Concrete Pipe (non-reinforced)	10	25th St	291	2111	3	2	2111	3	2	2212	6	2
160.6	Downstream	0864A-0864C	0864A	0864C	Vitrified Clay Pipe	8	MONTREY AVE	487	210								

CCTV Pipe Data

235.1	Downstream	0783-0782	783	782	Vitrified Clay Pipe	8	PROSPECT AVE	209	0	0	0	0	0	0	0	0	0	0	0
204.6	Downstream	0785-0782	785	782	Vitrified Clay Pipe	8	PROSPECT AVE	194	0	0	0	0	0	0	0	0	0	0	0
68.9	Downstream	811A-0810	811A	810	Vitrified Clay Pipe	8	PACIFIC COAST HWY-EASEMENT	149	0	0	0	0	0	0	0	0	0	0	0
137.8	Downstream	0763-0762	0763A	762	Vitrified Clay Pipe	8	21ST ST	120.5	0	0	0	0	0	0	0	0	0	0	0
82.9	Downstream	0762-0761	762	761	Vitrified Clay Pipe	8	21ST ST	83.4	0	0	0	0	0	0	0	0	0	0	0
140.6	Downstream	0761-0757	761	757	Vitrified Clay Pipe	8	21ST ST	119	0	0	0	0	0	0	0	0	0	0	0
41.5	Downstream	0782-782A	782	782A	Vitrified Clay Pipe	8	18TH ST	42	0	0	0	0	0	0	0	0	0	0	0
138.6	Downstream	0780-1165	780	1165	Vitrified Clay Pipe	8	18TH ST	135	0	0	0	0	0	0	0	0	0	0	0
138.3	Upstream	0790-0788	790	788	Vitrified Clay Pipe	8	RHODES ST	142	0	0	0	0	0	0	0	0	0	0	0
392.4	Downstream	0771-0764	771	764	Concrete Pipe (non-reinforced)	8	HILLCREST DR	365	0	0	0	0	0	0	0	0	0	0	0
151.5	Downstream	0776-0775	776	775	Concrete Pipe (non-reinforced)	8	ALLEY	136	0	0	0	0	0	0	0	0	0	0	0
81	Upstream	324F-324E	324F	324E	Vitrified Clay Pipe	8	17TH ST	106	0	0	0	0	0	0	0	0	0	0	0
134.6	Downstream	0270-0254	270	254	Concrete Pipe (non-reinforced)	8	5TH ST	104	0	0	0	0	0	0	0	0	0	0	0
39.1	Downstream	0255-0254	255	254	Concrete Pipe (non-reinforced)	8	HOPKINS AVE	28	0	0	0	0	0	0	0	0	0	0	0
156.4	Downstream	0277-0276	277	276	Concrete Pipe (non-reinforced)	8	OCEAN VIEW AVE	165	0	0	0	0	0	0	0	0	0	0	0
349.6	Upstream	0683-0682	683	682	Vitrified Clay Pipe	8	6TH ST	356	0	0	0	0	0	0	0	0	0	0	0
357.8	Downstream	0673-0671	673	671	Concrete Pipe (non-reinforced)	8	9TH ST	377	0	0	0	0	0	0	0	0	0	0	0
128.6	Upstream	0679-0675	676	675	Concrete Pipe (non-reinforced)	8	8TH ST	130	0	0	0	0	0	0	0	0	0	0	0
141.8	Upstream	0694-0679	684	679	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	120	0	0	0	0	0	0	0	0	0	0	0
204.1	Downstream	0800-0794	800	794	Concrete Pipe (non-reinforced)	8	RAYMOND AVE	203	0	0	0	0	0	0	0	0	0	0	0
343.5	Downstream	0284-0283	284	283	Concrete Pipe (non-reinforced)	8	3RD ST	378	0	0	0	0	0	0	0	0	0	0	0
41.4	Downstream	0282-281	282	281	Concrete Pipe (non-reinforced)	8	3RD ST	57	0	0	0	0	0	0	0	0	0	0	0
34	Downstream	0262-0261	262	261	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	38	0	0	0	0	0	0	0	0	0	0	0
145.8	Downstream	0260-0259	260	259	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	152	0	0	0	0	0	0	0	0	0	0	0
230.2	Downstream	0258-0257	258	257	Concrete Pipe (non-reinforced)	8	6TH ST	222	0	0	0	0	0	0	0	0	0	0	0
384.6	Downstream	0203-0202	203	202	Concrete Pipe (non-reinforced)	8	1ST ST	347	0	0	0	0	0	0	0	0	0	0	0
19.3	Upstream	PEN BOX TO OPEN BOX	MH-1		Reinforced Concrete Pipe	24	IDYWOOD DR FERNWOOD M.H.P		0	0	0	0	0	0	0	0	0	0	0
121	Downstream	12-11	Sta46+30.	Sta45+11.	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
357.4	Downstream	11-10	Sta45+11.	Sta44+61.	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
356.1	Downstream	10-9	Sta44+61.	Sta38+11.5	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
355.1	Downstream	9-8	Sta38+11.	Sta34+61.	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
356.8	Downstream	8-7	Sta34+61.	Sta31+11.	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
355.7	Downstream	7-6	Sta31+11.	Sta27+61.	Vitrified Clay Pipe	8	JAY ST.PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
294	Downstream	6-5	Sta27+61.	Sta24+75.	Vitrified Clay Pipe	8	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
297.1	Downstream	5-4	Sta24+75.	Sta21+80.	Vitrified Clay Pipe	8	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
0	Downstream	4-3	Sta21+80.	Sta18+85.	Vitrified Clay Pipe	8	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
299.9	Downstream	4-3	Sta21+80.	Sta18+85.	Vitrified Clay Pipe	10	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
0	Downstream	3-2	Sta18+85.	Sta15+90.	Vitrified Clay Pipe	10	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
303.7	Downstream	3-2	Sta18+85.	Sta15+90.	Vitrified Clay Pipe	10	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
0	Downstream	1-13	Sta15+90.	Sta12+95.	Vitrified Clay Pipe	10	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
300.5	Downstream	1-13	Sta12+95.	Sta10+00.	Vitrified Clay Pipe	10	DEL RIO PL .PM 19612 SEQUENCE 1	0	0	0	0	0	0	0	0	0	0	0	0
198.2	Upstream	0225-0223	225	223	Other	8	ARMORE AVE	169	0	0	0	0	0	0	0	0	0	0	0
212.7	Upstream	17-16	17	16	Vitrified Clay Pipe	8	THE STRAND	240	0	0	0	0	0	0	0	0	0	0	0
257.8	Downstream	16-15	16	15	Vitrified Clay Pipe	8	THE STRAND	248	0	0	0	0	0	0	0	0	0	0	0
254.8	Downstream	15-14	15	14	Vitrified Clay Pipe	8	THE STRAND	235	0	0	0	0	0	0	0	0	0	0	0
256.9	Upstream	14-13	14	13	Vitrified Clay Pipe	8	THE STRAND	244	0	0	0	0	0	0	0	0	0	0	0
18.7	Downstream	1095B-1094A	1095B	1094A	Polyvinyl Chloride	12	BEACH DR	20	0	0	0	0	0	0	0	0	0	0	0
28.4	Upstream	1085-1085A	1085	1085A	Vitrified Clay Pipe	8	24Th St	20	0	0	0	0	0	0	0	0	0	0	0
72.3	Downstream	1085A-1084A	1085A	1084A	Polyvinyl Chloride	18	24Th St	35	0	0	0	0	0	0	0	0	0	0	0
114.9	Downstream	1084A-1084	1084A	1084	Polyvinyl Chloride	18	BEACH DR	200	0	0	0	0	0	0	0	0	0	0	0
39.7	Downstream	1093A-1093C	1093A	1093C	Vitrified Clay Pipe	8	THE STRAND	30	0	0	0	0	0	0	0	0	0	0	0
91.6	Downstream	1093C-1093	1093C	1093	Vitrified Clay Pipe	8	THE STRAND	99	0	0	0	0	0	0	0	0	0	0	0
159.8	Upstream	1094-1093	1094	1093	Vitrified Clay Pipe	10	BEACH DR	140	0	0	0	0	0	0	0	0	0	0	0
211.2	Downstream	161-157	161	157	Vitrified Clay Pipe	8	LOMA DR	191	0	0	0	0	0	0	0	0	0	0	0
240.3	Downstream	159-159A	159	159A	Vitrified Clay Pipe	8	LOMA DR	631	0	0	0	0	0	0	0	0	0	0	0
245.2	Downstream	159A-158	159A	158	Vitrified Clay Pipe	8	LOMA DR	631	0	0	0	0	0	0	0	0	0	0	0
262	Downstream	160B-159	160B	159	Vitrified Clay Pipe	8	LOMA DR	703	0	0	0	0	0	0	0	0	0	0	0
211.6	Downstream	159B-159A	159B	159A	Vitrified Clay Pipe	8	8Th St	200	0	0	0	0	0	0	0	0	0	0	0
250.2	Upstream	160-160A	160	160A	Vitrified Clay Pipe	8	LOMA DR	703	0	0	0	0	0	0	0	0	0	0	0
464.5	Downstream	1073-1072	1073	1072	Polyvinyl Chloride	12	14Th St	434	0	0	0	0	0	0	0	0	0	0	0
98.1	Upstream	1073A-1073A	1073A	1073	Vitrified Clay Pipe	8	BEACH DR	110	0	0	0	0	0	0	0	0	0	0	0
207.6	Downstream	739-726	739	726	Vitrified Clay Pipe	8	21st St	204	0	0	0	0	0	0	0	0	0	0	0
142	Downstream	744-725	744	725	Vitrified Clay Pipe	8	AVA AVE ALLEY	134	0	0	0	0	0	0	0	0	0	0	0
305.4	Upstream	692-691	692	691	Concrete Pipe (non-reinforced)	8	ARMORE AVE	299	0	0	0	0	0	0	0	0	0	0	0
262.7	Downstream	690-689	690	689	Vitrified Clay Pipe	8	ARMORE AVE	256	0	0	0	0	0	0	0	0	0	0	0
38.2	Upstream	688C-688B	688C	688B	Vitrified Clay Pipe	8	8TH PL	50	0	0	0	0	0	0	0	0	0	0	0
206	Downstream	693B-692	693B	692	Concrete Pipe (non-reinforced)	6	11Th Pl EASEMENT	369	0	0	0	0	0	0	0	0	0	0	0
251.9	Downstream	729-728	729	728	Vitrified Clay Pipe	8	ARMORE AVE	220	0	0	0	0	0	0	0	0	0	0	0
440	Downstream	695-690	695	690	Concrete Pipe (non-reinforced)	6	10th St	425	0	0	0	0	0	0	0	0	0	0	0
308.3	Downstream	700-697	700	697	Concrete Pipe (non-reinforced)	6	7th St	281	0	0	0	0	0	0	0	0	0	0	0
105.3	Downstream	302-301	302	301	Concrete Pipe (non-reinforced)	8	5th St	115	0	0	0	0	0	0	0	0	0	0	0
72.9	Downstream	301-300	301	300	Concrete Pipe (non-reinforced)	8	5th St	37	0	0	0	0	0	0	0	0	0	0	0
148.5	Downstream	298-297	298	297	Concrete Pipe (non-reinforced)	8	ARMORE AVE	133	0	0	0	0	0	0	0	0	0	0	0
69.7	Downstream	296-295	296	295	Vitrified Clay Pipe	8	ARMORE AVE	53	0	0	0	0	0	0	0	0	0	0	0
90.5	Downstream	296A-296	296A	296	Concrete Pipe (non-reinforced)	8	45th St	248	0	0	0	0	0	0	0	0	0	0	0
165.7	Downstream	243-242	243	242	Concrete Pipe (non-reinforced)	8	3rd St	175	0	0	0	0	0	0	0	0	0	0	0
40.2	Upstream	115-111	Cap	731	Concrete Pipe (non-reinforced)	8	ARMORE AVE	100	0	0	0	0	0	0	0	0	0	0	0
93.2	Downstream	133X-130	133X	130	Vitrified Clay Pipe	8	LOMA DR	98	0	0	0	0	0	0	0	0	0	0	0
196	Downstream	246-245	246	245	Vitrified Clay Pipe	8	3rd St	161	0	0	0	0	0	0	0	0	0	0	0
59.1	Downstream	241-C0240	241	C0240	Vitrified Clay Pipe	8	3rd St EASEMENT	85	0	0	0	0	0	0	0	0	0	0	0
260.2	Downstream	316-313	316	313	Concrete Pipe (non-reinforced)	8	6th St	280	0	0	0	0	0	0	0	0	0	0	0
424	Downstream	312-311																	

305.9	Downstream	543	542	543	542	Vitrified Clay Pipe	8	GOULD AVE	300	0	0	0	4131	10	2	4131	10	2
307.9	Downstream	542	541	542	541	Vitrified Clay Pipe	8	GOULD AVE	287	0	0	0	4115	9	2	4115	9	2
223.1	Downstream	541	540	541	540	Vitrified Clay Pipe	8	GOULD AVE	221	0	0	0	4113	7	2	4113	7	2
343.2	Downstream	89	88	89	88	Concrete Pipe (non-reinforced)	8	LONGFELLOW AVE	325	0	0	0	4133	22	2	4133	22	2
218.9	Downstream	0533	0515	533	515	Vitrified Clay Pipe	8	VALLEY PARK	121	0	0	0	4111	5	2	4111	5	2
170.8	Downstream	0512A	0511	0512A	511	Vitrified Clay Pipe	10	VALLEY PARK	186	0	0	0	2400	8	2	2400	8	2
153.3	Downstream	0582A	0512	0582A	512	Vitrified Clay Pipe	8	VALLEY PARK	321	0	0	0	2200	4	2	2200	4	2
331.3	Downstream	0010	0009	10	9	Vitrified Clay Pipe	8	HERMOSA AVE	313	0	0	0	2000	50	2	2000	50	2
331.1	Downstream	0009	0008	9	8	Vitrified Clay Pipe	8	HERMOSA AVE	347	0	0	0	3129	21	2	3129	21	2
173.9	Upstream	0522	0522A	522	0522A	Vitrified Clay Pipe	8	30th ST	631	0	0	0	3121	5	2	3121	5	2
178.2	Upstream	0524	0523	524	523	Concrete Pipe (non-reinforced)	8	29th ST	173	0	0	0	3111	4	2	3111	4	2
154.4	Downstream	0510	0509	510	509	Vitrified Clay Pipe	10	25th ST	160	0	0	0	4432	62	2	4432	62	2
228.8	Downstream	0517	0516	517	516	Vitrified Clay Pipe	10	INGLESIDE DR EASEMENT	219	0	0	0	4124	18	2	4124	18	2
42.7	Downstream	0006	C0005	6	C0005	Vitrified Clay Pipe	12	HERMOSA AVE	50	0	0	0	2100	2	2	2100	2	2
391.8	Downstream	0007	0006	7	6	Vitrified Clay Pipe	8	HERMOSA AVE	388	0	0	0	2500	10	2	2500	10	2
164.6	Downstream	1050X	1047	1050X	1049	Vitrified Clay Pipe	8	LOMA DR	154	0	0	0	4133	15	2	4133	15	2
62.1	Downstream	0590	0507	590	507	Vitrified Clay Pipe	8	24th ST	148	0	0	0	4123	10	2	4123	10	2
466.5	Downstream	0594	0504	594	505	Concrete Pipe (non-reinforced)	8	21st ST	462	0	0	0	2600	12	2	2600	12	2
478.8	Downstream	0595	0504	595	504	Concrete Pipe (non-reinforced)	8	20th ST	453	0	0	0	2111	3	2	2111	3	2
86.3	Downstream	0507	0506	507	506	Vitrified Clay Pipe	15	POWER ST	84	0	0	0	2300	6	2	2300	6	2
177.7	Downstream	0506	0505	506	505	Concrete Pipe (non-reinforced)	15	POWER ST	402	0	0	0	4231	56	2	4231	56	2
238.6	Downstream	0505	0504	505	504	Concrete Pipe (non-reinforced)	15	POWER ST	230	0	0	0	312B	33	2	312B	33	2
31.1	Downstream	0504D	0503	0504D	503	Vitrified Clay Pipe	15	POWER ST EASEMENT	360	0	0	0	2500	10	2	2500	10	2
418.5	Downstream	0107	0104	107	104	Concrete Pipe (non-reinforced)	8	SILVERSTRAND AVE	412	0	0	0	4136	53	2	4136	53	2
164.9	Downstream	1041	1040	1041	1040	Concrete Pipe (non-reinforced)	8	SILVERSTRAND AVE	153	0	0	0	3211	7	2	3211	7	2
218.3	Downstream	0113	0112	113	112	Vitrified Clay Pipe	8	OZONE CT	204	0	0	0	472D	74	2	472D	74	2
527.4	Downstream	0128	0127	128	127	Vitrified Clay Pipe	6	BAYVIEW DR	572	0	0	0	4535	60	2	4535	60	2
201.8	Downstream	0112	1152	112	1152	Vitrified Clay Pipe	8	OZONE CT	193	0	0	0	412A	26	2	412A	26	2
120.2	Downstream	1044	1043	1044	1043	Vitrified Clay Pipe	6	LOMA DR	105	0	0	0	4111	5	2	4111	5	2
182.8	Downstream	1136	1019	1136	1019	Concrete Pipe (non-reinforced)	8	LONGFELLOW AVE	185	0	0	0	2153	22	2	2153	22	2
188.8	Downstream	0072	0071	72	71	Concrete Pipe (non-reinforced)	8	LONGFELLOW AVE	206	0	0	0	2A00	26	2	2A00	26	2
362.5	Upstream	0864	0863	864	863	Concrete Pipe (non-reinforced)	8	PIER AVE	384	0	0	0	3121	5	2	3121	5	2
143.4	Upstream	0866	0861	866	861	Concrete Pipe (non-reinforced)	8	OAK ST	136	0	0	0	3314	13	2	3314	13	2
230.8	Downstream	0566	0538	566	538	Vitrified Clay Pipe	8	ARMORE AVE	212	0	0	0	3212	8	2	3212	8	2
128.1	Upstream	1028	1027	1028	1027	Vitrified Clay Pipe	8	HERMOSA AVE	214	0	0	0	3111	4	2	3111	4	2
399.9	Downstream	1024	1023	1024	1023	Vitrified Clay Pipe	8	HERMOSA AVE	391	0	0	0	312B	34	2	312B	34	2
421.6	Upstream	1038A	1037	1038A	1037	Vitrified Clay Pipe	6	MANHATTAN AVE	298	0	0	0	4132	20	2	4132	20	2
222.6	Downstream	1061	1060	1061	1060	Concrete Pipe (non-reinforced)	8	MANHATTAN AVE	291	0	0	0	4332	27	2	4332	27	2
32.2	Downstream	1059A	1059	1059A	1059	Vitrified Clay Pipe	8	CIRCLE DR	55	0	0	0	2300	6	2	2300	6	2
46.5	Downstream	1016	1014	1016	1014	Vitrified Clay Pipe	10	HERMOSA AVE	59	0	0	0	2711	15	2	2711	15	2
276.2	Downstream	1156	1019	1156	1019	Vitrified Clay Pipe	8	HERMOSA AVE	275	0	0	0	3224	14	2	3224	14	2
282.2	Downstream	1019	1018	1019	1018	Vitrified Clay Pipe	10	HERMOSA AVE	271	0	0	0	2400	8	2	2400	8	2
415.5	Downstream	0719	0718	719	718	Concrete Pipe (non-reinforced)	8	CYPRESS AVE	419	0	0	0	2200	4	2	2200	4	2
193.3	Downstream	0123	0123A	123	0123A	Vitrified Clay Pipe	8	16th ST	155	0	0	0	3121	5	2	3121	5	2
111.4	Downstream	1070B	1070	1070B	1070	Vitrified Clay Pipe	8	MANHATTAN AVE	200	0	0	0	2100	2	2	2100	2	2
470.6	Upstream	0121B	0121	0121B	121	Vitrified Clay Pipe	6	MANHATTAN AVE	148	0	0	0	4637	59	2	4637	59	2
37.2	Downstream	0121B	0121	0121B	121	Concrete Pipe (non-reinforced)	6	MANHATTAN AVE	148	0	0	0	4112	6	2	4112	6	2
207	Downstream	0600	0597	600	597	Vitrified Clay Pipe	8	18th ST	6	0	0	0	4112	6	2	4112	6	2
201.1	Downstream	0707	0703A	707	0703A	Concrete Pipe (non-reinforced)	8	BARD ST	216	0	0	0	2800	16	2	2800	16	2
78.8	Downstream	0219	0206	219	206	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	75	0	0	0	2100	2	2	2100	2	2
419.9	Upstream	0220	0205	220	205	Concrete Pipe (non-reinforced)	8	1st ST	405	0	0	0	3113	6	2	3113	6	2
108.6	Downstream	0250	0249	250	249	Vitrified Clay Pipe	8	PACIFIC COAST HWY	112	0	0	0	2A00	24	2	2A00	24	2
26.2	Downstream	0248	0247	248	247	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	48	0	0	0	2200	4	2	2200	4	2
202.4	Upstream	0613	0612	613	612	Concrete Pipe (non-reinforced)	10	8th ST	428	0	0	0	2100	2	2	2100	2	2
202.4	Downstream	0612	0611	612	611	Concrete Pipe (non-reinforced)	10	8th ST	428	0	0	0	3111	4	2	3111	4	2
210.3	Downstream	0293	0248	293	248	Vitrified Clay Pipe	8	PACIFIC COAST HWY	208	0	0	0	2100	2	2	2100	2	2
180.9	Upstream	0559	0558	559	558	Vitrified Clay Pipe	8	AMBY EASEMENT	180	0	0	0	4111	5	2	4111	5	2
409	Downstream	0758	0757	758	757	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	416	0	0	0	2100	2	2	2100	2	2
176.7	Downstream	0265	0263	265	263	Concrete Pipe (non-reinforced)	8	MASSSEY	170	0	0	0	2600	12	2	2600	12	2
132.2	Downstream	1121	1120	1121	1120	Vitrified Clay Pipe	8	4th St	124	0	0	0	4331	22	2	4331	22	2
65.4	Downstream	0792	0791	792	791	Concrete Pipe (non-reinforced)	8	17th St	71	0	0	0	2100	2	2	2100	2	2
160.7	Downstream	0580	0579	580	579	Vitrified Clay Pipe	8	PORTER LN EASEMENT	161	0	0	0	4631	40	2	4631	40	2
519.9	Upstream	1135	1131	1135	1131	Vitrified Clay Pipe	8	MONTEREY BLVD	498	0	0	0	4131	14	2	4131	14	2
114	Upstream	1133	1131	1133	1131	Concrete Pipe (non-reinforced)	8	2nd St	113	0	0	0	2111	3	2	2111	3	2
222.1	Downstream	0609	0609A	609	0609A	Vitrified Clay Pipe	15	VALLEY DR	200	0	0	0	2800	30	2	2800	30	2
303	Downstream	1132D	1132E	1132D	1132E	Vitrified Clay Pipe	8	VALLEY DR	350	0	0	0	2400	8	2	2400	8	2
132	Downstream	1132C	1132D	1132C	1132D	Vitrified Clay Pipe	8	2nd St	90	0	0	0	2300	6	2	2300	6	2
308.4	Downstream	1139	1138	1139	1138	Concrete Pipe (non-reinforced)	8	MANHATTAN AVE	294	0	0	0	3226	20	2	3226	20	2
266.2	Downstream	1110A	1110	1110A	1110	Vitrified Clay Pipe	8	PALM DR	538	0	0	0	3124	11	2	3124	11	2
284.4	Downstream	1111	1110A	1111	1110A	Vitrified Clay Pipe	8	PALM DR	538	0	0	0	2500	10	2	2500	10	2
410.8	Downstream	0126A	0122	0126A	122	Vitrified Clay Pipe	6	BAYVIEW DR	430	0	0	0	4238	64	2	4238	64	2
187.6	Downstream	1115B	1115	1115B	1115	Vitrified Clay Pipe	6	MANHATTAN AVE	430	0	0	0	4233	26	2	4233	26	2
166.2	Downstream	0054	0023	54	23	Vitrified Clay Pipe	6	28th Ct	177	0	0	0	4121	7	2	4121	7	2
77.1	Downstream	0021	C0020	21	C0020	Concrete Pipe (non-reinforced)	8	HERMOSA AVE	86	0	0	0	2700	14	2	2700	14	2
514.7	Downstream	1108A	1108	1108A	1108	Vitrified Clay Pipe	8	HERMOSA AVE	300	0	0	0	2000	134	2	2000	134	2
528.8	Downstream	1008B	1007	1008B	1007	Vitrified Clay Pipe	24	HERMOSA AVE	1007	0	0	0	2800	18	2	2800	18	2
159.9	Downstream	1093	1091	1093	1091	Vitrified Clay Pipe	8	BEACH DR	153	0	0	0	332B	39	2	332B	39	2
55.1	Upstream	0650	0649	650	649	Concrete Pipe (non-reinforced)	8	9TH ST	360	0	0	0	3100	3	3	3100	3	3
375	Downstream	0831	0826	831	826	Concrete Pipe (non-reinforced)	8	GOLDEN AVE	365	0	0	0	4137	28	3	4137	28	3
306.9	Downstream	0825	0825A	825	0825A	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	473.3	0	0	0	3A00	36	3	3A00	36	3
102.8	Downstream	0823	0822	823	822	Concrete Pipe (non-reinforced)	8	PROSPECT AVE	238.4	0	0	0	3600	18	3	3600	18	3
77.9	Downstream	0822A	0818A	0822A</														

CCTV Pipe Data

179	Downstream	1091	1160	1091	1160	Vitrified Clay Pipe	10	13th CT	174	0	0	0	4200	8	4	4200	8	4
288.2	Downstream	91	90	91	90	Vitrified Clay Pipe	8	33rd PL	272	0	0	0	4131	7	4	4131	7	4
62.8	Upstream	0571	0514	571	514	Concrete Pipe (non-reinforced)	8	VALLEY PARK	313	0	0	0	5121	7	4	5121	7	4
26	Downstream	0526A	0526	0526A	526	Vitrified Clay Pipe	8	29th CT	20	0	0	0	4100	4	4	4100	4	4
266.1	Upstream	0532	0531	532	531	Vitrified Clay Pipe	8	28th CT	242	0	0	0	4131	7	4	4131	7	4
408.1	Downstream	0587	0509	587	509	Concrete Pipe (non-reinforced)	8	24th PL	354	0	0	0	4432	22	4	4432	22	4
30.7	Downstream	0504A	0504B	0504A	0504B	Vitrified Clay Pipe	15	POWER ST EASEMENT	360	0	0	0	4100	4	4	4100	4	4
48.4	Upstream	0504A-0504B	0504A	0504B	0504B	Vitrified Clay Pipe	15	POWER ST EASEMENT	360	0	0	0	4100	4	4	4100	4	4
258.2	Upstream	0110	0109	110	109	Concrete Pipe (non-reinforced)	8	MYRTLE AVE EASEMENT	260	0	0	0	4400	16	4	4400	16	4
122.2	Upstream	0597	0596	597	596	Vitrified Clay Pipe	8	VALLEY PARK AVE	121	0	0	0	4131	7	4	4131	7	4
277.7	Downstream	0751	0722	751	722	Concrete Pipe (non-reinforced)	8	16th ST	290	0	0	0	4100	4	4	4100	4	4
99.3	Downstream	0105	0104	105	104	Concrete Pipe (non-reinforced)	8	25th St	270	0	0	0	4231	11	4	4231	11	4
214.4	Upstream	0105	0104	105	104	Concrete Pipe (non-reinforced)	8	25th St	270	0	0	0	4332	18	4	4332	18	4
150.3	Downstream	1153	1152	1153	1152	Vitrified Clay Pipe	8	25th St	109	0	0	0	4100	4	4	4100	4	4
125.4	Downstream	1039	1038	1039	1038	Concrete Pipe (non-reinforced)	8	24th ST	138	0	0	0	4100	4	4	4100	4	4
181.4	Downstream	0081	0081A	81	0081A	Concrete Pipe (non-reinforced)	8	LONGFELLOW AVE EASEMENT	394	0	0	0	4331	15	4	4331	15	4
163.6	Downstream	0570	0569	570	569	Vitrified Clay Pipe	8	HERMOSA VIEW DR	161	0	0	0	4100	4	4	4100	4	4
116.8	Upstream	0569A	0569	C/O	569	Vitrified Clay Pipe	8	HERMOSA VIEW DR EASEMENT	132	0	0	0	5144	30	4	5144	30	4
306.6	Downstream	1155	1156	1155	1156	Vitrified Clay Pipe	8	HERMOSA AVE	275	0	0	0	4100	4	4	4100	4	4
61.2	Downstream	1056	1055	1056	1055	Concrete Pipe (non-reinforced)	8	21st St	48	0	0	0	4100	4	4	4100	4	4
4.6	Downstream	0703A	0703	0703A	703	Vitrified Clay Pipe	6	BARB ST	216	0	0	0	4100	4	4	4100	4	4
174.9	Downstream	1068A	1068	1068A	1068	Vitrified Clay Pipe	8	PALM DR	128	0	0	0	4432	22	4	4432	22	4
240	Downstream	0289	0288	289	288	Vitrified Clay Pipe	8	PACIFIC COAST HWY	248	0	0	0	4100	4	4	4100	4	4
11.1	Downstream	0151	C0150	151	C0150	Vitrified Clay Pipe	8	MONTEREY BLVD	15	0	0	0	4100	4	4	4100	4	4
334.2	Downstream	0806	0805	806	805	Concrete Pipe (non-reinforced)	8	PIER AVE	339	0	0	0	4131	7	4	4131	7	4
127.7	Downstream	0805	0606	805	606	Vitrified Clay Pipe	8	PIER AVE	170	0	0	0	4100	4	4	4100	4	4
121.8	Upstream	0581	0580	581	580	Vitrified Clay Pipe	8	PORTER LN EASEMENT	139	0	0	0	4400	16	4	4400	16	4
210.6	Upstream	0578	0577	578	577	Vitrified Clay Pipe	8	PORTER LN EASEMENT	139	0	0	0	4331	15	4	4331	15	4
61.2	Downstream	0575	0613	575	513	Concrete Pipe (non-reinforced)	8	VALLEY PARK EASEMENT	274	0	0	0	4100	4	4	4100	4	4
284.8	Downstream	0575	0513	575	513	Concrete Pipe (non-reinforced)	8	VALLEY PARK EASEMENT	274	0	0	0	4100	4	4	4100	4	4
330.9	Downstream	0176	0172	176	172	Concrete Pipe (non-reinforced)	8	HERONDO ST	306	0	0	0	4231	11	4	4231	11	4
5	Upstream	0703	0609	703	609	Vitrified Clay Pipe	6	VALLEY DR EASEMENT	171	0	0	0	4100	4	4	4100	4	4
23	Downstream	1127	1004	1127	1004	Vitrified Clay Pipe	8	2nd St	54	0	0	0	4100	4	4	4100	4	4
318.1	Downstream	0605	0604	605	604	Vitrified Clay Pipe	15	VALLEY DR	328	0	0	0	4N00	260	4	4N00	260	4
163.7	Downstream	0602	0502	602	502	Polyethylene	12	VALLEY PARK AVE EASEMENT	160	0	0	0	4D00	100	4	4D00	100	4
83	Upstream	1126	1125	1126	1125	Vitrified Clay Pipe	6	PALM DR	437	0	0	0	4100	4	4	4100	4	4
232.3	Downstream	1124	1120	1124	1120	Vitrified Clay Pipe	8	MANHATTAN AVE	235	0	0	0	4100	4	4	4100	4	4
3	Upstream	1066	1020	1066	1020	Vitrified Clay Pipe	6	19th St	303	0	0	0	4100	4	4	4100	4	4
432.1	Upstream	1063	1063B	1063	1063B	Concrete Pipe (non-reinforced)	8	PALM DR	200	0	0	0	4131	7	4	4131	7	4
12.4	Upstream	0055	0054	55	54	Concrete Pipe (non-reinforced)	8	28th Ct	0	0	0	0	4100	4	4	4100	4	4
15.7	Upstream	0055	0054	55	54	Concrete Pipe (non-reinforced)	8	28th Ct	0	0	0	0	4100	4	4	4100	4	4
212.5	Upstream	0055	0054	55	54	Concrete Pipe (non-reinforced)	8	28th Ct	0	0	0	0	4100	4	4	4100	4	4
15.2	Downstream	1108	1007	1108	1007	Vitrified Clay Pipe	8	HERMOSA AVE	45	0	0	0	4100	4	4	4100	4	4
3	Downstream	1053	1036	1053	1036	Vitrified Clay Pipe	6	PALM DR	353	0	0	0	4100	4	4	4100	4	4
23	Downstream	1132H	TRNK	1132H	TRNK	Vitrified Clay Pipe	10	HERONDO ST	79	0	0	0	4100	4	4	4100	4	4
45.3	Upstream	204A-0203	204A	203	204A	Concrete Pipe (non-reinforced)	8	1ST ST	45	0	0	0	5100	5	5	5100	5	5
127.9	Downstream	0234-0233	234	233	233	Vitrified Clay Pipe	8	2ND ST	139	0	0	0	5100	5	5	5100	5	5
195	Upstream	1096A-1096	1096A	1096	1096	Vitrified Clay Pipe	6	10Th Ct	291	0	0	0	5100	5	5	5100	5	5
53.2	Downstream	0503	1166	503	1166	Vitrified Clay Pipe	15	POWER ST EASEMENT	170	0	0	0	5100	5	5	5100	5	5
131.5	Upstream	0760	0759	Cap	759	Concrete Pipe (non-reinforced)	8	PACIFIC COAST HWY	156	0	0	0	5100	5	5	5100	5	5

Appendix B: Flow Monitoring Data





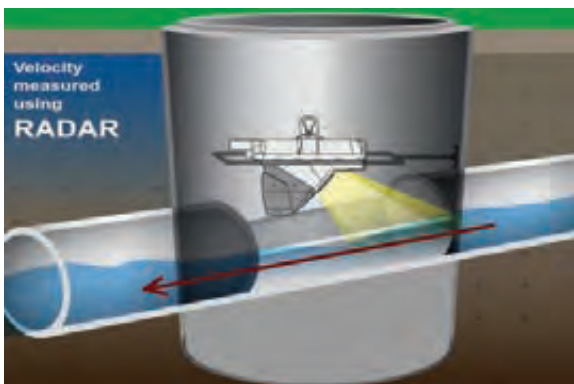
David Evans	~3417 The Strand
2017.01-02 Site 1 The Strand MH	Manhole No. 0011

Access: Manhole on boardwalk west of address	System Type: Sanitary <input checked="" type="checkbox"/> Storm <input type="checkbox"/>	Install Date: 1/19/2017
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Map



Technology



Sewer Plan



Flow Meter			
Meter Depth: 70"			
Map Coordinates: 33.876575, -118.408178			
Slow open channel hydraulics			
Avg Velocity	Avg Measured Level	Multiplier	
0.66 fps	2.25"	1	
Gas			
O2	H2S	CO	LEL
20.9	0	0	0
Notes			
Deposition of normal system solids noted within entire length of trough.			
Traffic Safety			
No traffic near MH during installation or removal.			
Land Use			
Residential	Commercial	Industrial	Trunk
X			
Manhole Depth	84"		
Monitored Pipe Size	8"		
Inner Pipe Size (In/Out)	8"/8"		
Pipe Shape	Round		
Pipe Condition	Good		
Manhole Material	Brick		
Silt	0		
Velocity Profile Data	*		
Velocity Profile Taken	0.4 2-D		
Sensor Offset	14.44"		
Sensor Dist. to Crown	6.44"		
Sensor Direction	Upstream		
Flow Heading	North		



Meter Site Document

David Evans

2017.01-02 Site 1 The Strand MH

~3417 The Strand

Site



Manhole Hydraulics



Installation Process



Installed



MH 0011





Statistics for 2017.01-02 Site 1 The Strand MH: 01/20/2017 thru 02/16/2017

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
1/20/17	31.34	162.08	7.64	0.05	0.23	0.01	1.02	5.52	0.25	1.98	2.87	1.65	45,125	1.29
1/21/17	46.51	169.79	6.81	0.07	0.24	0.01	1.61	5.19	0.22	1.99	2.61	1.40	66,977	
1/22/17	30.74	211.60	4.65	0.04	0.30	0.01	0.69	2.63	0.25	2.20	5.19	1.41	44,260	3.72
Week:	36.19	211.60	4.65	0.05	0.30	0.01	1.10	5.52	0.22	2.06	5.19	1.40	156,362	5.01
1/23/17	39.03	215.42	4.72	0.06	0.31	0.01	1.36	6.78	0.25	1.88	2.32	1.43	56,200	0.13
1/24/17	40.72	265.21	2.43	0.06	0.38	0.00	1.27	6.11	0.10	1.86	2.57	1.58	58,630	
1/25/17	19.22	104.10	1.87	0.03	0.15	0.00	0.86	5.06	0.10	1.79	2.43	1.40	27,672	
1/26/17	18.83	166.53	1.74	0.03	0.24	0.00	0.68	4.74	0.10	1.73	2.39	1.36	27,119	
1/27/17	76.28	242.92	1.81	0.11	0.35	0.00	2.51	7.36	0.10	1.90	2.26	1.37	109,850	
1/28/17	46.50	204.86	1.74	0.07	0.30	0.00	1.45	6.20	0.10	1.80	2.34	1.33	66,962	
1/29/17	67.40	275.55	1.87	0.10	0.40	0.00	2.14	9.24	0.10	1.95	2.43	1.41	97,057	
Week:	44.00	275.55	1.74	0.06	0.40	0.00	1.47	9.24	0.10	1.84	2.57	1.33	443,489	0.13
1/30/17	48.29	228.61	1.87	0.07	0.33	0.00	1.83	6.63	0.10	1.87	2.64	1.41	69,545	
1/31/17	64.71	227.01	1.87	0.09	0.33	0.00	2.47	7.98	0.10	1.76	2.19	1.40	93,181	
2/1/17	30.48	173.61	1.94	0.04	0.25	0.00	1.01	4.99	0.10	1.88	2.46	1.47	43,896	
2/2/17	21.76	189.10	1.87	0.03	0.27	0.00	0.74	5.89	0.10	1.78	2.07	1.43	31,335	
2/3/17	49.67	203.33	2.85	0.07	0.29	0.00	1.80	6.99	0.10	1.96	2.34	1.58	71,520	0.39

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/4/17	56.31	173.75	1.87	0.08	0.25	0.00	2.09	5.98	0.10	1.76	2.14	1.43	81,088	
2/5/17	28.81	287.50	1.87	0.04	0.41	0.00	1.09	7.90	0.10	1.80	2.50	1.41	41,488	
Week:	42.86	287.50	1.87	0.06	0.41	0.00	1.58	7.98	0.10	1.83	2.64	1.40	432,053	0.39
2/6/17	69.10	227.01	1.94	0.10	0.33	0.00	2.35	6.82	0.10	1.94	2.40	1.46	99,504	1.43
2/7/17	37.40	165.97	5.28	0.05	0.24	0.01	1.40	5.17	0.25	1.84	2.36	1.54	53,858	0.64
2/8/17	52.17	246.46	4.86	0.08	0.36	0.01	1.92	6.36	0.25	1.80	2.50	1.46	75,123	0.07
2/9/17	36.11	218.40	4.51	0.05	0.31	0.01	1.45	7.60	0.19	1.83	2.40	1.46	52,005	
2/10/17	49.77	175.07	3.47	0.07	0.25	0.01	2.04	6.22	0.12	1.80	2.21	1.46	71,670	0.33
2/11/17	53.95	205.83	3.96	0.08	0.30	0.01	1.93	6.01	0.16	1.88	2.44	1.43	77,681	0.01
2/12/17	28.06	145.28	4.86	0.04	0.21	0.01	1.05	5.25	0.21	1.87	2.32	1.46	40,412	
Week:	46.65	246.46	1.94	0.07	0.36	0.00	1.74	7.60	0.10	1.85	2.50	1.43	470,253	2.48
2/13/17	25.27	168.06	4.65	0.04	0.24	0.01	0.89	5.05	0.25	1.81	2.18	1.41	36,387	
2/14/17	33.08	188.75	4.65	0.05	0.27	0.01	1.08	5.32	0.25	1.91	2.23	1.41	47,635	
2/15/17	55.00	191.94	4.72	0.08	0.28	0.01	1.84	5.51	0.18	1.96	2.30	1.68	79,205	
2/16/17	32.26	168.19	3.40	0.05	0.24	0.00	1.16	5.29	0.16	1.80	2.25	1.40	46,455	
Week:	36.40	191.94	3.40	0.05	0.28	0.00	1.24	5.51	0.16	1.87	2.30	1.40	209,683	
Totals:	41.22	287.50	1.74	0.06	0.41	0.00	1.43	9.24	0.10	1.89	5.19	1.33	1,711,839	8.01



Data for 2017.01-02 Site 1 The Strand MH: 1/19/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 12:29	2.25	25.69	0.71
2017/01/19 12:44	1.80	14.79	0.56
2017/01/19 12:59	2.11	13.68	0.42
2017/01/19 13:14	1.87	10.21	0.37
2017/01/19 13:29	1.96	12.29	0.42
2017/01/19 13:44	1.87	10.76	0.38
2017/01/19 13:59	1.87	10.21	0.37
2017/01/19 14:14	1.87	10.21	0.37
2017/01/19 14:29	1.96	11.39	0.38
2017/01/19 14:44	2.21	24.65	0.70
2017/01/19 14:59	2.21	24.65	0.70
2017/01/19 15:14	2.21	24.65	0.70
2017/01/19 15:29	1.91	20.49	0.71
2017/01/19 15:44	1.91	20.49	0.71
2017/01/19 15:59	1.91	19.10	0.66
2017/01/19 16:14	1.91	20.97	0.73
2017/01/19 16:29	1.91	20.97	0.73
2017/01/19 16:44	1.97	19.37	0.65
2017/01/19 16:59	1.97	19.37	0.65
2017/01/19 17:14	1.97	19.37	0.65
2017/01/19 17:29	1.86	16.67	0.60
2017/01/19 17:44	1.86	16.67	0.60
2017/01/19 17:59	1.79	15.28	0.58
2017/01/19 18:14	1.79	15.28	0.58
2017/01/19 18:29	1.86	16.67	0.60
2017/01/19 18:44	1.86	16.67	0.60
2017/01/19 18:59	1.86	16.67	0.60
2017/01/19 19:14	1.86	16.67	0.60
2017/01/19 19:29	1.84	21.25	0.78
2017/01/19 19:44	1.84	21.25	0.78
2017/01/19 19:59	1.84	21.25	0.78
2017/01/19 20:14	1.93	18.26	0.63
2017/01/19 20:29	1.93	14.65	0.50
2017/01/19 20:44	1.93	13.12	0.45
2017/01/19 20:59	1.57	10.90	0.51
2017/01/19 21:14	1.57	10.90	0.51
2017/01/19 21:29	1.57	10.90	0.51
2017/01/19 21:44	1.68	17.78	0.74
2017/01/19 21:59	1.68	17.85	0.75

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 22:14	2.23	36.25	1.01
2017/01/19 22:29	2.25	36.74	1.02
2017/01/19 22:44	2.25	36.74	1.02
2017/01/19 22:59	2.23	36.25	1.01
2017/01/19 23:14	2.14	32.50	0.97
2017/01/19 23:29	2.14	32.50	0.97
2017/01/19 23:44	2.05	29.58	0.93
2017/01/19 23:59	2.05	21.87	0.69
2017/01/20 00:14	2.07	14.17	0.44
2017/01/20 00:29	2.07	14.17	0.44
2017/01/20 00:44	2.00	7.64	0.25
2017/01/20 00:59	2.07	8.06	0.25
2017/01/20 01:14	2.07	8.06	0.25
2017/01/20 01:29	2.09	8.12	0.25
2017/01/20 01:44	2.09	8.12	0.25
2017/01/20 01:59	2.12	8.33	0.25
2017/01/20 02:14	2.12	8.33	0.25
2017/01/20 02:29	2.12	8.33	0.25
2017/01/20 02:44	2.03	11.25	0.36
2017/01/20 02:59	2.01	15.76	0.51
2017/01/20 03:14	1.65	15.49	0.66
2017/01/20 03:29	1.65	16.39	0.70
2017/01/20 03:44	1.65	16.39	0.70
2017/01/20 03:59	1.72	19.93	0.81
2017/01/20 04:14	1.72	17.36	0.70
2017/01/20 04:29	1.96	21.81	0.74
2017/01/20 04:44	1.98	22.29	0.74
2017/01/20 04:59	2.03	22.92	0.74
2017/01/20 05:14	2.05	22.71	0.71
2017/01/20 05:29	2.05	22.43	0.71
2017/01/20 05:44	2.03	22.01	0.71
2017/01/20 05:59	2.00	21.81	0.71
2017/01/20 06:14	1.79	19.93	0.76
2017/01/20 06:29	1.79	21.39	0.82
2017/01/20 06:44	1.79	22.22	0.85
2017/01/20 06:59	1.93	24.86	0.85
2017/01/20 07:14	2.05	27.15	0.85
2017/01/20 07:29	2.05	30.42	0.96
2017/01/20 07:44	1.98	36.11	1.19
2017/01/20 07:59	1.98	155.28	5.13
2017/01/20 08:14	1.98	155.28	5.13
2017/01/20 08:29	1.93	149.17	5.13
2017/01/20 08:44	1.93	160.42	5.52
2017/01/20 08:59	1.91	27.78	0.97
2017/01/20 09:14	1.91	26.94	0.94

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 09:29	1.91	21.74	0.76
2017/01/20 09:44	2.05	26.60	0.84
2017/01/20 09:59	2.08	27.08	0.84
2017/01/20 10:14	2.16	30.56	0.89
2017/01/20 10:29	2.18	29.44	0.85
2017/01/20 10:44	2.18	30.83	0.89
2017/01/20 10:59	2.18	30.83	0.89
2017/01/20 11:14	2.18	30.97	0.90
2017/01/20 11:29	2.50	37.50	0.90
2017/01/20 11:44	2.87	49.31	0.98
2017/01/20 11:59	2.87	50.69	1.00
2017/01/20 12:14	2.87	50.69	1.00
2017/01/20 12:29	2.78	52.15	1.08
2017/01/20 12:44	2.73	51.94	1.10
2017/01/20 12:59	2.50	162.08	3.88
2017/01/20 13:14	2.01	119.79	3.88
2017/01/20 13:29	1.89	109.44	3.88
2017/01/20 13:44	1.87	107.57	3.85
2017/01/20 13:59	1.86	19.65	0.71
2017/01/20 14:14	1.76	18.19	0.71
2017/01/20 14:29	1.73	17.78	0.71
2017/01/20 14:44	1.73	18.40	0.74
2017/01/20 14:59	1.76	18.82	0.74
2017/01/20 15:14	1.76	18.82	0.74
2017/01/20 15:29	1.82	16.32	0.61
2017/01/20 15:44	1.82	16.32	0.61
2017/01/20 15:59	1.82	14.86	0.56
2017/01/20 16:14	1.79	14.51	0.56
2017/01/20 16:29	1.79	16.18	0.62
2017/01/20 16:44	1.79	16.18	0.62
2017/01/20 16:59	1.97	18.54	0.62
2017/01/20 17:14	1.97	18.54	0.62
2017/01/20 17:29	1.97	17.22	0.58
2017/01/20 17:44	1.86	15.90	0.58
2017/01/20 17:59	1.86	15.90	0.58
2017/01/20 18:14	1.86	15.90	0.58
2017/01/20 18:29	1.86	18.26	0.66
2017/01/20 18:44	1.86	18.26	0.66
2017/01/20 18:59	1.93	19.58	0.67
2017/01/20 19:14	1.96	20.00	0.67
2017/01/20 19:29	1.96	20.35	0.69
2017/01/20 19:44	1.98	20.76	0.69
2017/01/20 19:59	2.09	24.86	0.76
2017/01/20 20:14	2.09	25.07	0.77
2017/01/20 20:29	2.12	25.49	0.77

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 20:44	2.09	25.07	0.77
2017/01/20 20:59	2.09	25.07	0.77
2017/01/20 21:14	2.12	24.37	0.73
2017/01/20 21:29	1.80	18.26	0.69
2017/01/20 21:44	1.79	18.06	0.69
2017/01/20 21:59	1.80	18.26	0.69
2017/01/20 22:14	1.80	17.99	0.68
2017/01/20 22:29	1.73	17.01	0.68
2017/01/20 22:44	1.72	16.81	0.68
2017/01/20 22:59	1.66	16.04	0.68
2017/01/20 23:14	1.66	16.32	0.69
2017/01/20 23:29	1.66	16.60	0.70
2017/01/20 23:44	1.75	19.10	0.76
2017/01/20 23:59	1.84	20.62	0.76
2017/01/21 00:14	2.05	24.44	0.77
2017/01/21 00:29	2.05	24.17	0.76
2017/01/21 00:44	2.05	24.31	0.76
2017/01/21 00:59	1.93	22.15	0.76
2017/01/21 01:14	1.86	21.11	0.76
2017/01/21 01:29	1.86	21.04	0.76
2017/01/21 01:44	1.90	20.97	0.74
2017/01/21 01:59	1.90	20.83	0.73
2017/01/21 02:14	1.93	21.39	0.74
2017/01/21 02:29	1.93	21.39	0.74
2017/01/21 02:44	1.93	21.60	0.74
2017/01/21 02:59	2.03	24.37	0.78
2017/01/21 03:14	2.05	25.21	0.79
2017/01/21 03:29	2.09	26.46	0.81
2017/01/21 03:44	2.09	26.46	0.81
2017/01/21 03:59	2.05	25.21	0.79
2017/01/21 04:14	1.84	19.65	0.72
2017/01/21 04:29	1.46	12.78	0.65
2017/01/21 04:44	1.43	12.29	0.65
2017/01/21 04:59	1.43	12.29	0.65
2017/01/21 05:14	1.43	12.29	0.65
2017/01/21 05:29	1.41	12.08	0.65
2017/01/21 05:44	1.41	12.08	0.65
2017/01/21 05:59	1.41	12.08	0.65
2017/01/21 06:14	1.41	12.08	0.65
2017/01/21 06:29	1.40	11.81	0.64
2017/01/21 06:44	1.40	11.81	0.64
2017/01/21 06:59	1.40	6.81	0.37
2017/01/21 07:14	1.43	12.50	0.66
2017/01/21 07:29	2.12	25.07	0.75
2017/01/21 07:44	2.14	25.56	0.76

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 07:59	2.43	23.19	0.58
2017/01/21 08:14	2.43	26.46	0.66
2017/01/21 08:29	2.43	23.19	0.58
2017/01/21 08:44	2.44	20.83	0.51
2017/01/21 08:59	2.36	8.54	0.22
2017/01/21 09:14	2.32	8.33	0.22
2017/01/21 09:29	2.01	6.81	0.22
2017/01/21 09:44	2.01	19.17	0.62
2017/01/21 09:59	2.01	19.79	0.64
2017/01/21 10:14	2.15	21.74	0.64
2017/01/21 10:29	2.25	22.43	0.62
2017/01/21 10:44	2.34	24.51	0.64
2017/01/21 10:59	2.25	20.35	0.56
2017/01/21 11:14	2.34	21.53	0.56
2017/01/21 11:29	2.37	25.69	0.66
2017/01/21 11:44	2.55	29.31	0.68
2017/01/21 11:59	2.55	30.62	0.71
2017/01/21 12:14	2.55	32.29	0.75
2017/01/21 12:29	2.61	33.19	0.75
2017/01/21 12:44	2.61	33.19	0.75
2017/01/21 12:59	2.61	31.53	0.71
2017/01/21 13:14	2.50	29.10	0.70
2017/01/21 13:29	2.32	24.93	0.66
2017/01/21 13:44	2.30	24.58	0.66
2017/01/21 13:59	2.29	23.75	0.64
2017/01/21 14:14	2.29	24.37	0.66
2017/01/21 14:29	2.29	24.37	0.66
2017/01/21 14:44	2.23	22.92	0.64
2017/01/21 14:59	2.18	21.81	0.63
2017/01/21 15:14	2.23	23.12	0.65
2017/01/21 15:29	2.23	23.12	0.65
2017/01/21 15:44	2.18	21.81	0.63
2017/01/21 15:59	2.18	21.81	0.63
2017/01/21 16:14	2.04	18.61	0.59
2017/01/21 16:29	1.98	14.93	0.49
2017/01/21 16:44	1.97	14.72	0.49
2017/01/21 16:59	1.94	14.10	0.48
2017/01/21 17:14	1.97	14.72	0.49
2017/01/21 17:29	1.97	14.72	0.49
2017/01/21 17:44	2.08	75.42	2.33
2017/01/21 17:59	2.08	167.99	5.19
2017/01/21 18:14	2.09	169.79	5.19
2017/01/21 18:29	2.08	167.99	5.19
2017/01/21 18:44	2.03	155.14	4.98
2017/01/21 18:59	2.00	150.07	4.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 19:14	2.03	155.14	4.98
2017/01/21 19:29	2.00	150.07	4.91
2017/01/21 19:44	2.00	150.07	4.91
2017/01/21 19:59	2.00	150.07	4.91
2017/01/21 20:14	1.93	150.00	5.16
2017/01/21 20:29	1.93	121.74	4.19
2017/01/21 20:44	1.93	117.01	4.02
2017/01/21 20:59	1.62	96.74	4.25
2017/01/21 21:14	1.62	96.74	4.25
2017/01/21 21:29	1.62	96.74	4.25
2017/01/21 21:44	1.62	96.74	4.25
2017/01/21 21:59	1.69	107.57	4.45
2017/01/21 22:14	1.78	120.90	4.67
2017/01/21 22:29	1.78	120.90	4.67
2017/01/21 22:44	1.78	120.90	4.67
2017/01/21 22:59	1.78	91.39	3.52
2017/01/21 23:14	1.58	65.49	2.99
2017/01/21 23:29	1.48	48.47	2.43
2017/01/21 23:44	1.48	48.47	2.43
2017/01/21 23:59	1.48	31.11	1.56
2017/01/22 00:14	2.14	28.26	0.84
2017/01/22 00:29	2.14	28.26	0.84
2017/01/22 00:44	2.14	18.54	0.55
2017/01/22 00:59	1.89	8.75	0.31
2017/01/22 01:14	1.78	6.46	0.25
2017/01/22 01:29	1.68	5.97	0.25
2017/01/22 01:44	1.68	5.97	0.25
2017/01/22 01:59	1.55	5.35	0.25
2017/01/22 02:14	1.47	4.93	0.25
2017/01/22 02:29	1.41	4.65	0.25
2017/01/22 02:44	1.41	4.65	0.25
2017/01/22 02:59	1.41	4.65	0.25
2017/01/22 03:14	1.47	4.93	0.25
2017/01/22 03:29	1.47	4.93	0.25
2017/01/22 03:44	1.47	8.47	0.43
2017/01/22 03:59	1.50	15.83	0.78
2017/01/22 04:14	1.43	11.39	0.60
2017/01/22 04:29	1.43	18.47	0.98
2017/01/22 04:44	1.80	22.78	0.86
2017/01/22 04:59	1.97	25.83	0.86
2017/01/22 05:14	2.21	34.24	0.98
2017/01/22 05:29	2.26	35.49	0.98
2017/01/22 05:44	2.41	34.37	0.86
2017/01/22 05:59	2.41	26.18	0.66
2017/01/22 06:14	2.41	25.83	0.65

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 06:29	2.04	15.69	0.50
2017/01/22 06:44	2.00	14.86	0.49
2017/01/22 06:59	2.00	14.86	0.49
2017/01/22 07:14	2.04	15.69	0.50
2017/01/22 07:29	2.00	16.74	0.55
2017/01/22 07:44	2.09	22.71	0.69
2017/01/22 07:59	2.11	22.92	0.69
2017/01/22 08:14	2.11	20.56	0.62
2017/01/22 08:29	2.11	20.56	0.62
2017/01/22 08:44	2.11	20.56	0.62
2017/01/22 08:59	2.11	20.56	0.62
2017/01/22 09:14	2.11	20.56	0.62
2017/01/22 09:29	2.26	18.68	0.51
2017/01/22 09:44	2.26	16.46	0.45
2017/01/22 09:59	2.26	15.90	0.44
2017/01/22 10:14	2.18	15.14	0.44
2017/01/22 10:29	2.18	15.62	0.45
2017/01/22 10:44	2.18	21.32	0.62
2017/01/22 10:59	2.46	25.14	0.62
2017/01/22 11:14	2.46	36.94	0.90
2017/01/22 11:29	2.46	34.03	0.83
2017/01/22 11:44	2.29	33.68	0.91
2017/01/22 11:59	2.29	33.68	0.91
2017/01/22 12:14	2.29	33.68	0.91
2017/01/22 12:29	2.32	34.24	0.91
2017/01/22 12:44	2.43	36.81	0.92
2017/01/22 12:59	2.61	41.18	0.93
2017/01/22 13:14	2.72	43.61	0.93
2017/01/22 13:29	2.75	42.78	0.90
2017/01/22 13:44	2.75	44.24	0.93
2017/01/22 13:59	2.75	44.24	0.93
2017/01/22 14:14	2.79	54.17	1.11
2017/01/22 14:29	3.14	64.72	1.14
2017/01/22 14:44	4.15	122.99	1.50
2017/01/22 14:59	5.19	211.60	1.97
2017/01/22 15:14	5.19	211.60	1.97
2017/01/22 15:29	5.19	211.60	1.97
2017/01/22 15:44	5.16	203.12	1.90
2017/01/22 15:59	3.77	117.43	1.61
2017/01/22 16:14	3.05	67.50	1.23
2017/01/22 16:29	2.48	37.43	0.90
2017/01/22 16:44	2.36	34.86	0.90
2017/01/22 16:59	2.32	32.29	0.86
2017/01/22 17:14	2.04	26.39	0.84
2017/01/22 17:29	1.98	24.65	0.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 17:44	1.97	24.03	0.80
2017/01/22 17:59	1.96	23.82	0.80
2017/01/22 18:14	1.94	23.33	0.80
2017/01/22 18:29	1.89	21.81	0.77
2017/01/22 18:44	1.87	21.39	0.77
2017/01/22 18:59	1.73	17.78	0.71
2017/01/22 19:14	1.73	10.97	0.44
2017/01/22 19:29	1.82	6.67	0.25
2017/01/22 19:44	1.87	6.94	0.25
2017/01/22 19:59	1.87	6.94	0.25
2017/01/22 20:14	1.97	7.50	0.25
2017/01/22 20:29	1.87	6.94	0.25
2017/01/22 20:44	1.87	6.94	0.25
2017/01/22 20:59	1.87	6.94	0.25
2017/01/22 21:14	1.78	6.46	0.25
2017/01/22 21:29	1.78	6.46	0.25
2017/01/22 21:44	1.79	6.53	0.25
2017/01/22 21:59	1.84	6.81	0.25
2017/01/22 22:14	1.79	6.53	0.25
2017/01/22 22:29	1.79	6.53	0.25
2017/01/22 22:44	1.64	5.76	0.25
2017/01/22 22:59	1.58	5.49	0.25
2017/01/22 23:14	1.58	5.49	0.25
2017/01/22 23:29	1.64	5.76	0.25
2017/01/22 23:44	1.66	5.90	0.25
2017/01/22 23:59	1.66	61.81	2.63
2017/01/23 00:14	2.05	167.08	5.26
2017/01/23 00:29	2.05	215.42	6.78
2017/01/23 00:44	1.94	145.21	4.94
2017/01/23 00:59	1.94	124.65	4.24
2017/01/23 01:14	1.94	145.21	4.94
2017/01/23 01:29	1.69	102.50	4.24
2017/01/23 01:44	1.62	92.92	4.08
2017/01/23 01:59	1.62	92.85	4.08
2017/01/23 02:14	1.46	71.39	3.67
2017/01/23 02:29	1.44	69.72	3.63
2017/01/23 02:44	1.44	69.72	3.63
2017/01/23 02:59	1.46	21.32	1.09
2017/01/23 03:14	1.48	12.36	0.62
2017/01/23 03:29	1.48	5.00	0.25
2017/01/23 03:44	1.48	5.00	0.25
2017/01/23 03:59	1.48	5.00	0.25
2017/01/23 04:14	1.47	4.93	0.25
2017/01/23 04:29	1.46	4.86	0.25
2017/01/23 04:44	1.46	4.86	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 04:59	1.43	4.72	0.25
2017/01/23 05:14	1.43	4.72	0.25
2017/01/23 05:29	1.43	4.72	0.25
2017/01/23 05:44	1.43	4.72	0.25
2017/01/23 05:59	1.43	4.72	0.25
2017/01/23 06:14	1.43	4.72	0.25
2017/01/23 06:29	1.44	4.79	0.25
2017/01/23 06:44	1.50	5.07	0.25
2017/01/23 06:59	1.50	5.07	0.25
2017/01/23 07:14	1.50	5.07	0.25
2017/01/23 07:29	1.55	12.08	0.57
2017/01/23 07:44	1.71	15.14	0.62
2017/01/23 07:59	1.71	31.60	1.29
2017/01/23 08:14	2.21	31.87	0.91
2017/01/23 08:29	2.21	26.25	0.75
2017/01/23 08:44	2.21	30.42	0.87
2017/01/23 08:59	2.18	29.86	0.87
2017/01/23 09:14	2.01	24.58	0.80
2017/01/23 09:29	2.01	24.58	0.80
2017/01/23 09:44	2.11	27.36	0.83
2017/01/23 09:59	2.01	24.58	0.80
2017/01/23 10:14	2.11	27.36	0.83
2017/01/23 10:29	2.30	33.75	0.90
2017/01/23 10:44	2.32	29.31	0.78
2017/01/23 10:59	2.32	29.31	0.78
2017/01/23 11:14	2.32	29.31	0.78
2017/01/23 11:29	2.32	29.31	0.78
2017/01/23 11:44	2.25	27.71	0.77
2017/01/23 11:59	2.16	27.71	0.81
2017/01/23 12:14	2.08	23.54	0.73
2017/01/23 12:29	2.08	25.21	0.78
2017/01/23 12:44	2.05	25.00	0.79
2017/01/23 12:59	2.05	25.00	0.79
2017/01/23 13:14	2.05	24.17	0.76
2017/01/23 13:29	2.05	24.37	0.77
2017/01/23 13:44	2.05	24.17	0.76
2017/01/23 13:59	2.04	21.60	0.69
2017/01/23 14:14	2.08	21.18	0.65
2017/01/23 14:29	2.04	17.08	0.54
2017/01/23 14:44	2.04	17.08	0.54
2017/01/23 14:59	2.04	17.22	0.55
2017/01/23 15:14	2.05	18.47	0.58
2017/01/23 15:29	1.94	16.11	0.55
2017/01/23 15:44	2.05	18.47	0.58
2017/01/23 15:59	2.05	21.46	0.68

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 16:14	2.00	20.69	0.68
2017/01/23 16:29	1.80	17.15	0.65
2017/01/23 16:44	2.00	20.69	0.68
2017/01/23 16:59	2.00	20.69	0.68
2017/01/23 17:14	2.03	20.21	0.65
2017/01/23 17:29	2.03	19.24	0.62
2017/01/23 17:44	2.07	20.14	0.63
2017/01/23 17:59	2.07	19.65	0.61
2017/01/23 18:14	2.07	18.54	0.58
2017/01/23 18:29	2.09	18.89	0.58
2017/01/23 18:44	2.16	21.46	0.63
2017/01/23 18:59	2.22	25.97	0.73
2017/01/23 19:14	2.22	25.97	0.73
2017/01/23 19:29	2.22	145.42	4.10
2017/01/23 19:44	2.22	158.40	4.47
2017/01/23 19:59	2.07	143.33	4.47
2017/01/23 20:14	2.07	143.33	4.47
2017/01/23 20:29	1.98	129.44	4.28
2017/01/23 20:44	1.98	129.44	4.28
2017/01/23 20:59	1.87	112.64	4.04
2017/01/23 21:14	1.69	88.12	3.65
2017/01/23 21:29	1.61	77.92	3.47
2017/01/23 21:44	1.59	25.00	1.13
2017/01/23 21:59	1.59	9.72	0.44
2017/01/23 22:14	1.59	5.56	0.25
2017/01/23 22:29	1.66	5.90	0.25
2017/01/23 22:44	1.97	7.50	0.25
2017/01/23 22:59	1.97	7.50	0.25
2017/01/23 23:14	1.97	7.50	0.25
2017/01/23 23:29	1.96	7.43	0.25
2017/01/23 23:44	1.79	6.53	0.25
2017/01/23 23:59	1.71	6.11	0.25
2017/01/24 00:14	1.71	6.11	0.25
2017/01/24 00:29	1.71	6.11	0.25
2017/01/24 00:44	1.68	5.97	0.25
2017/01/24 00:59	1.58	5.49	0.25
2017/01/24 01:14	1.58	5.49	0.25
2017/01/24 01:29	1.58	5.49	0.25
2017/01/24 01:44	1.58	5.49	0.25
2017/01/24 01:59	1.59	5.56	0.25
2017/01/24 02:14	1.61	5.62	0.25
2017/01/24 02:29	1.61	5.62	0.25
2017/01/24 02:44	1.61	5.62	0.25
2017/01/24 02:59	1.62	5.69	0.25
2017/01/24 03:14	1.64	5.76	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 03:29	1.64	5.76	0.25
2017/01/24 03:44	1.64	5.76	0.25
2017/01/24 03:59	1.64	5.76	0.25
2017/01/24 04:14	1.64	5.76	0.25
2017/01/24 04:29	1.64	5.76	0.25
2017/01/24 04:44	1.62	5.69	0.25
2017/01/24 04:59	1.62	5.69	0.25
2017/01/24 05:14	1.59	5.56	0.25
2017/01/24 05:29	1.58	5.49	0.25
2017/01/24 05:44	1.58	5.49	0.25
2017/01/24 05:59	1.58	5.49	0.25
2017/01/24 06:14	1.58	5.49	0.25
2017/01/24 06:29	1.58	5.49	0.25
2017/01/24 06:44	1.58	5.49	0.25
2017/01/24 06:59	1.58	5.49	0.25
2017/01/24 07:14	1.78	16.39	0.63
2017/01/24 07:29	2.51	103.89	2.47
2017/01/24 07:44	2.57	187.71	4.32
2017/01/24 07:59	2.57	265.21	6.11
2017/01/24 08:14	2.51	227.43	5.40
2017/01/24 08:29	2.09	101.53	3.11
2017/01/24 08:44	2.09	174.65	5.34
2017/01/24 08:59	2.09	174.65	5.34
2017/01/24 09:14	2.15	178.61	5.27
2017/01/24 09:29	2.15	174.17	5.14
2017/01/24 09:44	2.15	174.17	5.14
2017/01/24 09:59	2.11	166.11	5.03
2017/01/24 10:14	1.94	129.17	4.40
2017/01/24 10:29	1.94	23.26	0.79
2017/01/24 10:44	1.94	18.89	0.64
2017/01/24 10:59	2.00	18.68	0.61
2017/01/24 11:14	2.07	4.24	0.13
2017/01/24 11:29	2.07	4.17	0.13
2017/01/24 11:44	2.00	3.89	0.13
2017/01/24 11:59	1.83	3.12	0.11
2017/01/24 12:14	1.83	3.12	0.11
2017/01/24 12:29	1.82	2.99	0.11
2017/01/24 12:44	1.83	3.12	0.11
2017/01/24 12:59	1.83	3.12	0.11
2017/01/24 13:14	1.87	3.26	0.12
2017/01/24 13:29	1.87	3.26	0.12
2017/01/24 13:44	1.87	5.07	0.18
2017/01/24 13:59	1.94	5.35	0.18
2017/01/24 14:14	1.96	5.76	0.19
2017/01/24 14:29	2.04	5.97	0.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 14:44	1.96	5.69	0.19
2017/01/24 14:59	2.04	6.11	0.19
2017/01/24 15:14	2.04	143.54	4.56
2017/01/24 15:29	1.94	148.68	5.06
2017/01/24 15:44	1.90	144.17	5.06
2017/01/24 15:59	1.87	138.89	4.98
2017/01/24 16:14	1.80	125.56	4.75
2017/01/24 16:29	1.87	138.89	4.98
2017/01/24 16:44	1.87	138.89	4.98
2017/01/24 16:59	1.91	146.39	5.09
2017/01/24 17:14	2.05	173.33	5.46
2017/01/24 17:29	2.05	69.44	2.19
2017/01/24 17:44	2.05	29.51	0.93
2017/01/24 17:59	1.73	2.50	0.10
2017/01/24 18:14	1.73	2.50	0.10
2017/01/24 18:29	1.73	2.50	0.10
2017/01/24 18:44	1.73	2.50	0.10
2017/01/24 18:59	1.82	4.31	0.16
2017/01/24 19:14	1.83	5.97	0.22
2017/01/24 19:29	1.83	8.12	0.30
2017/01/24 19:44	1.83	8.68	0.32
2017/01/24 19:59	1.94	10.28	0.35
2017/01/24 20:14	1.94	10.69	0.36
2017/01/24 20:29	1.94	9.44	0.32
2017/01/24 20:44	2.00	10.21	0.33
2017/01/24 20:59	2.00	10.21	0.33
2017/01/24 21:14	2.00	10.21	0.33
2017/01/24 21:29	2.00	10.21	0.33
2017/01/24 21:44	2.00	10.21	0.33
2017/01/24 21:59	2.00	10.21	0.33
2017/01/24 22:14	2.00	3.06	0.10
2017/01/24 22:29	2.00	3.06	0.10
2017/01/24 22:44	1.93	2.92	0.10
2017/01/24 22:59	1.86	2.78	0.10
2017/01/24 23:14	1.76	2.57	0.10
2017/01/24 23:29	1.71	2.43	0.10
2017/01/24 23:44	1.71	2.43	0.10
2017/01/24 23:59	1.71	2.43	0.10
2017/01/25 00:14	1.71	2.43	0.10
2017/01/25 00:29	1.57	2.15	0.10
2017/01/25 00:44	1.54	2.08	0.10
2017/01/25 00:59	1.54	2.08	0.10
2017/01/25 01:14	1.51	59.10	2.88
2017/01/25 01:29	1.51	104.10	5.06
2017/01/25 01:44	1.50	100.56	4.96

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 01:59	1.48	97.78	4.89
2017/01/25 02:14	1.48	100.07	5.00
2017/01/25 02:29	1.47	97.99	4.96
2017/01/25 02:44	1.47	97.92	4.96
2017/01/25 02:59	1.46	95.21	4.89
2017/01/25 03:14	1.43	90.76	4.79
2017/01/25 03:29	1.43	90.76	4.79
2017/01/25 03:44	1.43	90.76	4.79
2017/01/25 03:59	1.40	86.46	4.70
2017/01/25 04:14	1.40	27.99	1.52
2017/01/25 04:29	1.40	12.15	0.66
2017/01/25 04:44	1.41	1.87	0.10
2017/01/25 04:59	1.43	1.87	0.10
2017/01/25 05:14	1.43	1.87	0.10
2017/01/25 05:29	1.43	1.87	0.10
2017/01/25 05:44	1.41	1.87	0.10
2017/01/25 05:59	1.43	1.87	0.10
2017/01/25 06:14	1.46	1.94	0.10
2017/01/25 06:29	1.46	1.94	0.10
2017/01/25 06:44	1.48	2.01	0.10
2017/01/25 06:59	1.53	2.08	0.10
2017/01/25 07:14	1.87	4.44	0.16
2017/01/25 07:29	1.93	5.83	0.20
2017/01/25 07:44	1.93	5.83	0.20
2017/01/25 07:59	2.04	7.22	0.23
2017/01/25 08:14	2.04	7.22	0.23
2017/01/25 08:29	2.04	7.22	0.23
2017/01/25 08:44	2.05	7.92	0.25
2017/01/25 08:59	2.08	8.75	0.27
2017/01/25 09:14	2.08	8.75	0.27
2017/01/25 09:29	2.08	8.75	0.27
2017/01/25 09:44	2.26	10.56	0.29
2017/01/25 09:59	2.28	11.04	0.30
2017/01/25 10:14	2.43	13.19	0.33
2017/01/25 10:29	2.43	11.53	0.29
2017/01/25 10:44	2.29	8.33	0.23
2017/01/25 10:59	2.28	11.18	0.31
2017/01/25 11:14	2.14	9.72	0.29
2017/01/25 11:29	2.14	9.72	0.29
2017/01/25 11:44	2.03	9.51	0.31
2017/01/25 11:59	2.12	11.81	0.35
2017/01/25 12:14	2.12	11.81	0.35
2017/01/25 12:29	2.12	11.81	0.35
2017/01/25 12:44	2.00	8.75	0.29
2017/01/25 12:59	2.00	8.75	0.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 13:14	2.00	8.75	0.29
2017/01/25 13:29	1.93	22.71	0.78
2017/01/25 13:44	1.93	22.71	0.78
2017/01/25 13:59	1.91	22.50	0.78
2017/01/25 14:14	1.79	19.03	0.73
2017/01/25 14:29	1.79	19.03	0.73
2017/01/25 14:44	1.79	15.49	0.59
2017/01/25 14:59	1.90	15.62	0.55
2017/01/25 15:14	2.14	6.74	0.20
2017/01/25 15:29	2.14	6.18	0.18
2017/01/25 15:44	2.14	6.18	0.18
2017/01/25 15:59	1.75	3.75	0.15
2017/01/25 16:14	1.75	3.75	0.15
2017/01/25 16:29	1.75	3.75	0.15
2017/01/25 16:44	1.75	3.75	0.15
2017/01/25 16:59	1.75	3.75	0.15
2017/01/25 17:14	1.65	3.26	0.14
2017/01/25 17:29	1.65	3.26	0.14
2017/01/25 17:44	1.65	3.26	0.14
2017/01/25 17:59	1.76	2.57	0.10
2017/01/25 18:14	1.84	2.71	0.10
2017/01/25 18:29	1.94	2.92	0.10
2017/01/25 18:44	1.94	2.92	0.10
2017/01/25 18:59	1.94	9.17	0.31
2017/01/25 19:14	1.89	8.68	0.31
2017/01/25 19:29	1.89	8.96	0.32
2017/01/25 19:44	1.86	8.26	0.30
2017/01/25 19:59	1.86	8.54	0.31
2017/01/25 20:14	1.86	8.54	0.31
2017/01/25 20:29	1.80	7.92	0.30
2017/01/25 20:44	1.78	7.57	0.29
2017/01/25 20:59	1.65	6.39	0.27
2017/01/25 21:14	1.62	6.18	0.27
2017/01/25 21:29	1.59	5.90	0.27
2017/01/25 21:44	1.51	2.08	0.10
2017/01/25 21:59	1.47	1.94	0.10
2017/01/25 22:14	1.47	1.94	0.10
2017/01/25 22:29	1.51	2.08	0.10
2017/01/25 22:44	1.51	2.08	0.10
2017/01/25 22:59	1.91	2.85	0.10
2017/01/25 23:14	2.01	25.90	0.84
2017/01/25 23:29	2.01	51.53	1.67
2017/01/25 23:44	2.01	36.39	1.18
2017/01/25 23:59	1.93	28.06	0.96
2017/01/26 00:14	1.93	25.00	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 00:29	1.61	21.67	0.96
2017/01/26 00:44	1.61	21.67	0.96
2017/01/26 00:59	1.61	21.67	0.96
2017/01/26 01:14	1.50	18.82	0.93
2017/01/26 01:29	1.50	18.82	0.93
2017/01/26 01:44	1.53	19.65	0.94
2017/01/26 01:59	1.53	19.65	0.94
2017/01/26 02:14	1.53	19.65	0.94
2017/01/26 02:29	1.62	10.69	0.47
2017/01/26 02:44	1.62	2.29	0.10
2017/01/26 02:59	1.62	2.29	0.10
2017/01/26 03:14	1.40	1.87	0.10
2017/01/26 03:29	1.40	1.87	0.10
2017/01/26 03:44	1.37	1.81	0.10
2017/01/26 03:59	1.37	1.81	0.10
2017/01/26 04:14	1.37	1.81	0.10
2017/01/26 04:29	1.37	1.81	0.10
2017/01/26 04:44	1.37	1.81	0.10
2017/01/26 04:59	1.37	1.81	0.10
2017/01/26 05:14	1.37	1.81	0.10
2017/01/26 05:29	1.37	1.81	0.10
2017/01/26 05:44	1.37	1.81	0.10
2017/01/26 05:59	1.36	1.74	0.10
2017/01/26 06:14	1.36	1.74	0.10
2017/01/26 06:29	1.36	1.74	0.10
2017/01/26 06:44	1.36	1.74	0.10
2017/01/26 06:59	1.37	1.81	0.10
2017/01/26 07:14	1.40	1.87	0.10
2017/01/26 07:29	1.40	1.87	0.10
2017/01/26 07:44	1.47	1.94	0.10
2017/01/26 07:59	1.72	3.68	0.15
2017/01/26 08:14	1.79	4.17	0.16
2017/01/26 08:29	1.79	4.17	0.16
2017/01/26 08:44	1.80	5.83	0.22
2017/01/26 08:59	1.80	5.83	0.22
2017/01/26 09:14	1.80	5.83	0.22
2017/01/26 09:29	1.94	7.36	0.25
2017/01/26 09:44	2.00	8.54	0.28
2017/01/26 09:59	2.00	8.54	0.28
2017/01/26 10:14	2.03	9.72	0.31
2017/01/26 10:29	2.08	10.97	0.34
2017/01/26 10:44	2.18	12.78	0.37
2017/01/26 10:59	2.18	12.78	0.37
2017/01/26 11:14	2.08	11.32	0.35
2017/01/26 11:29	1.87	10.83	0.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 11:44	1.86	11.04	0.40
2017/01/26 11:59	1.80	11.32	0.43
2017/01/26 12:14	1.80	12.64	0.48
2017/01/26 12:29	1.80	14.58	0.55
2017/01/26 12:44	2.39	18.12	0.46
2017/01/26 12:59	2.39	13.89	0.35
2017/01/26 13:14	2.39	11.87	0.30
2017/01/26 13:29	1.97	10.62	0.35
2017/01/26 13:44	1.97	10.62	0.35
2017/01/26 13:59	1.80	8.61	0.33
2017/01/26 14:14	1.80	8.61	0.33
2017/01/26 14:29	1.80	8.61	0.33
2017/01/26 14:44	1.80	8.61	0.33
2017/01/26 14:59	1.80	8.61	0.33
2017/01/26 15:14	1.89	10.62	0.38
2017/01/26 15:29	1.72	13.19	0.53
2017/01/26 15:44	1.69	12.92	0.53
2017/01/26 15:59	1.61	12.01	0.53
2017/01/26 16:14	1.61	12.01	0.53
2017/01/26 16:29	1.61	12.01	0.53
2017/01/26 16:44	2.03	21.32	0.68
2017/01/26 16:59	2.07	22.36	0.70
2017/01/26 17:14	2.19	25.76	0.74
2017/01/26 17:29	2.21	166.53	4.74
2017/01/26 17:44	2.21	166.53	4.74
2017/01/26 17:59	2.21	166.53	4.74
2017/01/26 18:14	1.93	119.24	4.10
2017/01/26 18:29	1.93	118.40	4.07
2017/01/26 18:44	1.73	91.25	3.65
2017/01/26 18:59	1.72	89.17	3.61
2017/01/26 19:14	1.59	74.24	3.34
2017/01/26 19:29	1.53	66.60	3.20
2017/01/26 19:44	1.53	30.76	1.47
2017/01/26 19:59	1.53	15.90	0.76
2017/01/26 20:14	1.65	7.22	0.31
2017/01/26 20:29	1.68	2.36	0.10
2017/01/26 20:44	1.68	2.36	0.10
2017/01/26 20:59	1.68	2.36	0.10
2017/01/26 21:14	1.69	2.43	0.10
2017/01/26 21:29	1.69	2.43	0.10
2017/01/26 21:44	1.86	2.78	0.10
2017/01/26 21:59	1.86	2.78	0.10
2017/01/26 22:14	1.86	2.78	0.10
2017/01/26 22:29	1.79	2.64	0.10
2017/01/26 22:44	1.79	2.64	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 22:59	1.79	2.64	0.10
2017/01/26 23:14	1.62	2.29	0.10
2017/01/26 23:29	1.62	2.29	0.10
2017/01/26 23:44	1.54	2.08	0.10
2017/01/26 23:59	1.48	2.01	0.10
2017/01/27 00:14	1.48	2.01	0.10
2017/01/27 00:29	1.47	1.94	0.10
2017/01/27 00:44	1.48	2.01	0.10
2017/01/27 00:59	1.48	2.01	0.10
2017/01/27 01:14	1.64	2.29	0.10
2017/01/27 01:29	1.84	2.71	0.10
2017/01/27 01:44	1.87	2.78	0.10
2017/01/27 01:59	1.89	2.85	0.10
2017/01/27 02:14	1.89	2.85	0.10
2017/01/27 02:29	1.87	2.78	0.10
2017/01/27 02:44	1.79	2.64	0.10
2017/01/27 02:59	1.65	2.36	0.10
2017/01/27 03:14	1.65	2.36	0.10
2017/01/27 03:29	1.65	2.36	0.10
2017/01/27 03:44	1.65	2.36	0.10
2017/01/27 03:59	1.73	2.50	0.10
2017/01/27 04:14	1.75	2.57	0.10
2017/01/27 04:29	1.80	2.64	0.10
2017/01/27 04:44	1.75	2.57	0.10
2017/01/27 04:59	1.75	2.57	0.10
2017/01/27 05:14	1.47	1.94	0.10
2017/01/27 05:29	1.37	1.81	0.10
2017/01/27 05:44	1.37	1.81	0.10
2017/01/27 05:59	1.37	1.81	0.10
2017/01/27 06:14	1.46	1.94	0.10
2017/01/27 06:29	1.46	1.94	0.10
2017/01/27 06:44	1.46	18.61	0.95
2017/01/27 06:59	1.48	24.31	1.22
2017/01/27 07:14	1.40	58.75	3.19
2017/01/27 07:29	1.40	93.33	5.07
2017/01/27 07:44	1.54	150.76	7.15
2017/01/27 07:59	1.54	151.53	7.18
2017/01/27 08:14	2.11	242.92	7.36
2017/01/27 08:29	2.11	236.87	7.18
2017/01/27 08:44	2.11	236.87	7.18
2017/01/27 08:59	2.11	236.87	7.18
2017/01/27 09:14	2.05	218.75	6.88
2017/01/27 09:29	2.03	211.67	6.79
2017/01/27 09:44	2.03	211.67	6.79
2017/01/27 09:59	2.03	211.67	6.79

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 10:14	2.03	211.67	6.79
2017/01/27 10:29	2.01	19.10	0.62
2017/01/27 10:44	1.94	17.99	0.61
2017/01/27 10:59	1.94	17.99	0.61
2017/01/27 11:14	1.93	17.78	0.61
2017/01/27 11:29	1.93	17.78	0.61
2017/01/27 11:44	1.93	17.78	0.61
2017/01/27 11:59	2.01	19.79	0.64
2017/01/27 12:14	2.18	23.68	0.69
2017/01/27 12:29	2.19	24.03	0.69
2017/01/27 12:44	2.19	24.03	0.69
2017/01/27 12:59	2.19	87.71	2.52
2017/01/27 13:14	2.19	184.51	5.30
2017/01/27 13:29	2.19	191.39	5.49
2017/01/27 13:44	2.05	150.56	4.74
2017/01/27 13:59	2.05	110.35	3.47
2017/01/27 14:14	2.03	147.71	4.74
2017/01/27 14:29	2.03	132.01	4.23
2017/01/27 14:44	2.03	108.26	3.47
2017/01/27 14:59	2.12	66.39	1.99
2017/01/27 15:14	2.14	15.21	0.45
2017/01/27 15:29	2.14	13.68	0.41
2017/01/27 15:44	2.14	13.40	0.40
2017/01/27 15:59	2.14	13.40	0.40
2017/01/27 16:14	2.14	13.40	0.40
2017/01/27 16:29	2.16	13.96	0.41
2017/01/27 16:44	2.16	13.96	0.41
2017/01/27 16:59	2.16	13.96	0.41
2017/01/27 17:14	1.96	10.90	0.37
2017/01/27 17:29	1.89	30.00	1.06
2017/01/27 17:44	1.84	93.61	3.44
2017/01/27 17:59	1.79	135.35	5.17
2017/01/27 18:14	1.79	148.33	5.67
2017/01/27 18:29	1.79	185.97	7.11
2017/01/27 18:44	1.96	194.17	6.54
2017/01/27 18:59	2.08	196.74	6.07
2017/01/27 19:14	2.08	196.74	6.07
2017/01/27 19:29	2.22	215.35	6.07
2017/01/27 19:44	2.22	215.35	6.07
2017/01/27 19:59	2.26	221.04	6.07
2017/01/27 20:14	2.26	214.65	5.90
2017/01/27 20:29	2.26	214.65	5.90
2017/01/27 20:44	2.16	193.40	5.65
2017/01/27 20:59	2.04	165.90	5.27
2017/01/27 21:14	2.00	158.40	5.18

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 21:29	1.90	139.93	4.91
2017/01/27 21:44	1.80	123.26	4.66
2017/01/27 21:59	1.80	123.26	4.66
2017/01/27 22:14	1.90	57.85	2.03
2017/01/27 22:29	1.91	2.85	0.10
2017/01/27 22:44	1.91	2.85	0.10
2017/01/27 22:59	2.05	3.19	0.10
2017/01/27 23:14	2.11	3.33	0.10
2017/01/27 23:29	2.14	3.40	0.10
2017/01/27 23:44	2.05	3.19	0.10
2017/01/27 23:59	2.05	3.19	0.10
2017/01/28 00:14	1.96	2.99	0.10
2017/01/28 00:29	1.94	2.92	0.10
2017/01/28 00:44	1.89	2.85	0.10
2017/01/28 00:59	1.73	16.74	0.67
2017/01/28 01:14	1.73	17.57	0.70
2017/01/28 01:29	1.73	19.79	0.79
2017/01/28 01:44	1.82	21.60	0.81
2017/01/28 01:59	2.03	24.72	0.79
2017/01/28 02:14	2.03	24.72	0.79
2017/01/28 02:29	2.03	24.72	0.79
2017/01/28 02:44	1.48	11.32	0.56
2017/01/28 02:59	1.36	9.10	0.52
2017/01/28 03:14	1.33	8.68	0.51
2017/01/28 03:29	1.33	8.68	0.51
2017/01/28 03:44	1.33	1.74	0.10
2017/01/28 03:59	1.36	1.74	0.10
2017/01/28 04:14	1.36	1.74	0.10
2017/01/28 04:29	1.36	1.74	0.10
2017/01/28 04:44	1.33	1.74	0.10
2017/01/28 04:59	1.33	1.74	0.10
2017/01/28 05:14	1.33	1.74	0.10
2017/01/28 05:29	1.36	1.74	0.10
2017/01/28 05:44	1.36	1.74	0.10
2017/01/28 05:59	1.37	1.81	0.10
2017/01/28 06:14	1.37	1.81	0.10
2017/01/28 06:29	1.40	1.87	0.10
2017/01/28 06:44	1.40	1.87	0.10
2017/01/28 06:59	1.43	1.87	0.10
2017/01/28 07:14	1.43	3.96	0.21
2017/01/28 07:29	1.43	4.31	0.23
2017/01/28 07:44	1.73	6.53	0.26
2017/01/28 07:59	1.86	6.46	0.23
2017/01/28 08:14	1.93	6.81	0.23
2017/01/28 08:29	1.93	6.81	0.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 08:44	1.93	6.81	0.23
2017/01/28 08:59	1.73	5.14	0.21
2017/01/28 09:14	1.65	4.79	0.21
2017/01/28 09:29	1.65	4.79	0.21
2017/01/28 09:44	1.73	15.56	0.62
2017/01/28 09:59	1.73	16.87	0.68
2017/01/28 10:14	1.84	19.79	0.72
2017/01/28 10:29	1.93	22.15	0.76
2017/01/28 10:44	1.98	23.75	0.78
2017/01/28 10:59	2.04	25.49	0.81
2017/01/28 11:14	2.11	27.64	0.84
2017/01/28 11:29	2.15	28.96	0.85
2017/01/28 11:44	2.33	35.14	0.93
2017/01/28 11:59	2.34	17.92	0.47
2017/01/28 12:14	2.34	3.82	0.10
2017/01/28 12:29	2.33	3.82	0.10
2017/01/28 12:44	1.73	2.50	0.10
2017/01/28 12:59	1.69	2.43	0.10
2017/01/28 13:14	1.69	2.43	0.10
2017/01/28 13:29	1.69	2.43	0.10
2017/01/28 13:44	1.72	2.50	0.10
2017/01/28 13:59	1.79	2.64	0.10
2017/01/28 14:14	1.96	58.96	1.98
2017/01/28 14:29	2.08	172.29	5.32
2017/01/28 14:44	2.26	204.86	5.63
2017/01/28 14:59	2.26	172.85	4.75
2017/01/28 15:14	2.26	193.47	5.32
2017/01/28 15:29	2.21	187.01	5.32
2017/01/28 15:44	2.19	188.68	5.42
2017/01/28 15:59	2.19	188.68	5.42
2017/01/28 16:14	2.21	192.29	5.47
2017/01/28 16:29	2.23	197.50	5.52
2017/01/28 16:44	2.23	197.50	5.52
2017/01/28 16:59	2.23	197.50	5.52
2017/01/28 17:14	2.26	204.65	5.62
2017/01/28 17:29	2.04	159.65	5.07
2017/01/28 17:44	2.04	142.29	4.52
2017/01/28 17:59	2.04	130.28	4.14
2017/01/28 18:14	2.11	19.79	0.60
2017/01/28 18:29	1.91	17.29	0.60
2017/01/28 18:44	2.03	18.68	0.60
2017/01/28 18:59	2.03	158.12	5.07
2017/01/28 19:14	2.11	204.37	6.20
2017/01/28 19:29	2.03	193.12	6.20
2017/01/28 19:44	2.03	193.12	6.20

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 19:59	1.76	136.94	5.35
2017/01/28 20:14	1.50	12.36	0.61
2017/01/28 20:29	1.50	12.36	0.61
2017/01/28 20:44	1.50	12.36	0.61
2017/01/28 20:59	1.71	17.22	0.70
2017/01/28 21:14	1.71	17.22	0.70
2017/01/28 21:29	1.89	21.87	0.78
2017/01/28 21:44	1.71	17.22	0.70
2017/01/28 21:59	1.71	17.22	0.70
2017/01/28 22:14	1.78	18.89	0.73
2017/01/28 22:29	1.78	18.89	0.73
2017/01/28 22:44	1.71	12.99	0.53
2017/01/28 22:59	1.71	12.99	0.53
2017/01/28 23:14	1.65	2.36	0.10
2017/01/28 23:29	1.65	2.36	0.10
2017/01/28 23:44	1.58	2.22	0.10
2017/01/28 23:59	1.58	2.22	0.10
2017/01/29 00:14	1.58	2.22	0.10
2017/01/29 00:29	1.48	63.06	3.16
2017/01/29 00:44	1.41	102.64	5.49
2017/01/29 00:59	1.41	95.83	5.13
2017/01/29 01:14	1.41	124.17	6.65
2017/01/29 01:29	1.41	172.71	9.24
2017/01/29 01:44	1.69	160.62	6.65
2017/01/29 01:59	1.87	206.94	7.42
2017/01/29 02:14	1.87	206.94	7.42
2017/01/29 02:29	1.93	223.12	7.67
2017/01/29 02:44	1.93	223.12	7.67
2017/01/29 02:59	2.00	241.87	7.91
2017/01/29 03:14	2.11	275.55	8.35
2017/01/29 03:29	2.15	103.06	3.04
2017/01/29 03:44	2.19	29.93	0.86
2017/01/29 03:59	2.28	3.68	0.10
2017/01/29 04:14	2.28	3.68	0.10
2017/01/29 04:29	2.28	3.68	0.10
2017/01/29 04:44	2.25	3.61	0.10
2017/01/29 04:59	2.14	3.40	0.10
2017/01/29 05:14	2.11	3.33	0.10
2017/01/29 05:29	2.11	3.33	0.10
2017/01/29 05:44	2.04	3.12	0.10
2017/01/29 05:59	2.04	3.12	0.10
2017/01/29 06:14	2.04	3.12	0.10
2017/01/29 06:29	1.97	2.99	0.10
2017/01/29 06:44	1.71	2.43	0.10
2017/01/29 06:59	1.61	2.22	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 07:14	1.61	2.22	0.10
2017/01/29 07:29	1.68	2.36	0.10
2017/01/29 07:44	1.71	2.43	0.10
2017/01/29 07:59	1.72	2.50	0.10
2017/01/29 08:14	1.82	2.71	0.10
2017/01/29 08:29	2.01	3.06	0.10
2017/01/29 08:44	2.16	23.19	0.68
2017/01/29 08:59	2.25	70.07	1.94
2017/01/29 09:14	2.26	129.10	3.55
2017/01/29 09:29	2.32	198.19	5.27
2017/01/29 09:44	2.32	190.14	5.05
2017/01/29 09:59	2.32	142.29	3.78
2017/01/29 10:14	2.26	174.37	4.79
2017/01/29 10:29	2.32	190.14	5.05
2017/01/29 10:44	2.25	175.76	4.87
2017/01/29 10:59	2.25	175.76	4.87
2017/01/29 11:14	2.36	197.29	5.11
2017/01/29 11:29	2.40	207.50	5.25
2017/01/29 11:44	2.43	211.39	5.26
2017/01/29 11:59	2.43	211.39	5.26
2017/01/29 12:14	2.43	211.39	5.26
2017/01/29 12:29	2.28	99.72	2.71
2017/01/29 12:44	2.04	26.11	0.83
2017/01/29 12:59	2.01	3.06	0.10
2017/01/29 13:14	1.97	2.99	0.10
2017/01/29 13:29	1.97	2.99	0.10
2017/01/29 13:44	1.97	2.99	0.10
2017/01/29 13:59	2.00	3.06	0.10
2017/01/29 14:14	2.11	3.33	0.10
2017/01/29 14:29	2.29	3.68	0.10
2017/01/29 14:44	2.29	3.68	0.10
2017/01/29 14:59	2.29	3.68	0.10
2017/01/29 15:14	1.78	2.57	0.10
2017/01/29 15:29	1.78	2.57	0.10
2017/01/29 15:44	1.78	2.57	0.10
2017/01/29 15:59	1.93	2.92	0.10
2017/01/29 16:14	2.05	3.19	0.10
2017/01/29 16:29	2.22	23.82	0.67
2017/01/29 16:44	2.22	23.68	0.67
2017/01/29 16:59	2.23	190.76	5.33
2017/01/29 17:14	2.23	129.24	3.61
2017/01/29 17:29	2.22	128.12	3.61
2017/01/29 17:44	2.22	170.76	4.82
2017/01/29 17:59	2.23	172.22	4.82
2017/01/29 18:14	2.23	129.24	3.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 18:29	2.23	101.53	2.84
2017/01/29 18:44	2.23	80.90	2.26
2017/01/29 18:59	2.03	61.87	1.98
2017/01/29 19:14	1.96	56.39	1.90
2017/01/29 19:29	1.75	42.43	1.68
2017/01/29 19:44	1.71	39.58	1.62
2017/01/29 19:59	1.65	36.60	1.57
2017/01/29 20:14	1.65	36.60	1.57
2017/01/29 20:29	1.65	36.60	1.57
2017/01/29 20:44	1.61	9.93	0.44
2017/01/29 20:59	1.61	9.93	0.44
2017/01/29 21:14	1.68	2.36	0.10
2017/01/29 21:29	1.58	2.22	0.10
2017/01/29 21:44	1.48	2.01	0.10
2017/01/29 21:59	1.48	2.01	0.10
2017/01/29 22:14	1.43	1.87	0.10
2017/01/29 22:29	1.43	1.87	0.10
2017/01/29 22:44	1.43	1.87	0.10
2017/01/29 22:59	1.46	1.94	0.10
2017/01/29 23:14	1.47	1.94	0.10
2017/01/29 23:29	1.51	2.08	0.10
2017/01/29 23:44	1.51	2.08	0.10
2017/01/29 23:59	1.51	2.08	0.10
2017/01/30 00:14	1.54	2.08	0.10
2017/01/30 00:29	1.53	2.08	0.10
2017/01/30 00:44	1.53	51.87	2.48
2017/01/30 00:59	1.53	122.36	5.87
2017/01/30 01:14	1.54	131.18	6.22
2017/01/30 01:29	1.53	122.50	5.88
2017/01/30 01:44	1.48	115.14	5.75
2017/01/30 01:59	1.48	117.57	5.87
2017/01/30 02:14	1.46	112.01	5.75
2017/01/30 02:29	1.46	111.32	5.71
2017/01/30 02:44	1.44	108.96	5.67
2017/01/30 02:59	1.44	108.96	5.67
2017/01/30 03:14	1.44	108.96	5.67
2017/01/30 03:29	1.46	111.53	5.73
2017/01/30 03:44	1.46	60.83	3.11
2017/01/30 03:59	1.46	17.01	0.87
2017/01/30 04:14	1.44	2.85	0.15
2017/01/30 04:29	1.43	1.87	0.10
2017/01/30 04:44	1.43	1.87	0.10
2017/01/30 04:59	1.43	1.87	0.10
2017/01/30 05:14	1.41	1.87	0.10
2017/01/30 05:29	1.43	1.87	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 05:44	1.44	1.94	0.10
2017/01/30 05:59	1.47	1.94	0.10
2017/01/30 06:14	1.82	4.58	0.17
2017/01/30 06:29	1.84	9.44	0.34
2017/01/30 06:44	1.84	9.44	0.34
2017/01/30 06:59	1.84	9.44	0.34
2017/01/30 07:14	1.84	9.44	0.34
2017/01/30 07:29	1.84	9.44	0.34
2017/01/30 07:44	2.09	14.44	0.44
2017/01/30 07:59	2.09	15.28	0.47
2017/01/30 08:14	2.64	20.28	0.45
2017/01/30 08:29	2.64	19.93	0.44
2017/01/30 08:44	2.64	19.93	0.44
2017/01/30 08:59	2.44	16.46	0.41
2017/01/30 09:14	2.14	11.87	0.35
2017/01/30 09:29	2.14	11.87	0.35
2017/01/30 09:44	2.12	11.74	0.35
2017/01/30 09:59	1.79	9.24	0.35
2017/01/30 10:14	1.76	10.35	0.40
2017/01/30 10:29	1.76	10.97	0.43
2017/01/30 10:44	1.79	11.74	0.45
2017/01/30 10:59	2.00	15.42	0.51
2017/01/30 11:14	2.03	15.97	0.51
2017/01/30 11:29	2.05	16.74	0.53
2017/01/30 11:44	2.05	16.74	0.53
2017/01/30 11:59	2.28	21.39	0.58
2017/01/30 12:14	2.28	21.39	0.58
2017/01/30 12:29	2.28	37.15	1.01
2017/01/30 12:44	2.01	77.36	2.51
2017/01/30 12:59	2.01	77.36	2.51
2017/01/30 13:14	1.98	63.68	2.10
2017/01/30 13:29	1.98	68.96	2.28
2017/01/30 13:44	1.93	70.56	2.43
2017/01/30 13:59	1.82	60.90	2.28
2017/01/30 14:14	1.82	60.90	2.28
2017/01/30 14:29	1.93	70.56	2.43
2017/01/30 14:44	2.08	83.68	2.58
2017/01/30 14:59	2.08	83.68	2.58
2017/01/30 15:14	2.08	83.68	2.58
2017/01/30 15:29	2.05	116.04	3.66
2017/01/30 15:44	1.89	147.01	5.21
2017/01/30 15:59	1.89	169.86	6.02
2017/01/30 16:14	2.05	189.58	5.96
2017/01/30 16:29	2.12	220.62	6.63
2017/01/30 16:44	2.14	202.43	6.02

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 16:59	2.33	228.61	6.02
2017/01/30 17:14	2.33	226.39	5.96
2017/01/30 17:29	2.33	7.08	0.19
2017/01/30 17:44	2.15	6.32	0.19
2017/01/30 17:59	2.15	6.32	0.19
2017/01/30 18:14	2.15	30.28	0.89
2017/01/30 18:29	2.22	32.78	0.92
2017/01/30 18:44	2.22	32.78	0.92
2017/01/30 18:59	2.22	32.78	0.92
2017/01/30 19:14	1.91	22.64	0.79
2017/01/30 19:29	1.87	21.18	0.76
2017/01/30 19:44	1.86	20.83	0.75
2017/01/30 19:59	1.86	20.83	0.75
2017/01/30 20:14	1.86	20.83	0.75
2017/01/30 20:29	1.87	9.17	0.33
2017/01/30 20:44	2.04	3.12	0.10
2017/01/30 20:59	2.07	3.19	0.10
2017/01/30 21:14	2.07	3.19	0.10
2017/01/30 21:29	2.07	3.19	0.10
2017/01/30 21:44	2.04	3.12	0.10
2017/01/30 21:59	1.86	2.78	0.10
2017/01/30 22:14	1.86	2.78	0.10
2017/01/30 22:29	1.62	2.29	0.10
2017/01/30 22:44	1.61	2.22	0.10
2017/01/30 22:59	1.61	2.22	0.10
2017/01/30 23:14	1.54	2.08	0.10
2017/01/30 23:29	1.54	37.15	1.76
2017/01/30 23:44	1.51	104.24	5.07
2017/01/30 23:59	1.48	97.85	4.89
2017/01/31 00:14	1.48	96.46	4.82
2017/01/31 00:29	1.44	92.08	4.79
2017/01/31 00:44	1.44	93.96	4.89
2017/01/31 00:59	1.43	92.15	4.86
2017/01/31 01:14	1.43	92.15	4.86
2017/01/31 01:29	1.53	108.96	5.23
2017/01/31 01:44	1.55	113.06	5.29
2017/01/31 01:59	1.75	150.49	5.95
2017/01/31 02:14	1.75	150.49	5.95
2017/01/31 02:29	1.76	152.22	5.95
2017/01/31 02:44	1.82	159.10	5.95
2017/01/31 02:59	1.76	6.46	0.25
2017/01/31 03:14	1.83	6.53	0.24
2017/01/31 03:29	1.83	6.25	0.23
2017/01/31 03:44	1.83	6.25	0.23
2017/01/31 03:59	1.80	5.97	0.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 04:14	1.80	5.97	0.23
2017/01/31 04:29	1.59	4.44	0.20
2017/01/31 04:44	1.43	3.47	0.18
2017/01/31 04:59	1.41	3.33	0.18
2017/01/31 05:14	1.41	1.87	0.10
2017/01/31 05:29	1.41	1.87	0.10
2017/01/31 05:44	1.41	1.87	0.10
2017/01/31 05:59	1.40	1.87	0.10
2017/01/31 06:14	1.41	1.87	0.10
2017/01/31 06:29	1.43	1.87	0.10
2017/01/31 06:44	1.43	1.87	0.10
2017/01/31 06:59	1.44	1.94	0.10
2017/01/31 07:14	1.44	64.65	3.37
2017/01/31 07:29	1.47	118.82	6.02
2017/01/31 07:44	1.78	206.53	7.98
2017/01/31 07:59	1.82	196.11	7.34
2017/01/31 08:14	2.08	227.01	7.01
2017/01/31 08:29	2.08	227.01	7.01
2017/01/31 08:44	2.08	227.01	7.01
2017/01/31 08:59	2.08	227.01	7.01
2017/01/31 09:14	1.87	173.61	6.22
2017/01/31 09:29	1.84	159.86	5.85
2017/01/31 09:44	1.87	163.33	5.85
2017/01/31 09:59	1.87	152.85	5.48
2017/01/31 10:14	1.87	143.06	5.13
2017/01/31 10:29	1.96	134.37	4.53
2017/01/31 10:44	2.03	45.90	1.47
2017/01/31 10:59	2.03	14.31	0.46
2017/01/31 11:14	2.09	14.93	0.46
2017/01/31 11:29	2.19	15.83	0.45
2017/01/31 11:44	2.09	14.17	0.43
2017/01/31 11:59	1.97	12.15	0.40
2017/01/31 12:14	1.97	12.15	0.40
2017/01/31 12:29	1.97	12.15	0.40
2017/01/31 12:44	1.93	11.74	0.40
2017/01/31 12:59	1.93	112.99	3.89
2017/01/31 13:14	1.79	103.68	3.96
2017/01/31 13:29	1.72	97.99	3.96
2017/01/31 13:44	1.72	97.99	3.96
2017/01/31 13:59	1.79	108.68	4.16
2017/01/31 14:14	1.80	110.49	4.18
2017/01/31 14:29	1.80	110.49	4.18
2017/01/31 14:44	1.98	139.17	4.60
2017/01/31 14:59	1.98	139.17	4.60
2017/01/31 15:14	1.80	119.44	4.52

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 15:29	1.80	119.44	4.52
2017/01/31 15:44	1.80	119.44	4.52
2017/01/31 15:59	1.76	112.57	4.40
2017/01/31 16:14	1.76	112.57	4.40
2017/01/31 16:29	1.89	132.85	4.71
2017/01/31 16:44	1.76	112.57	4.40
2017/01/31 16:59	1.76	112.57	4.40
2017/01/31 17:14	1.89	132.85	4.71
2017/01/31 17:29	1.78	58.40	2.25
2017/01/31 17:44	1.76	23.75	0.93
2017/01/31 17:59	1.76	23.75	0.93
2017/01/31 18:14	1.78	11.94	0.46
2017/01/31 18:29	1.78	2.57	0.10
2017/01/31 18:44	1.76	2.57	0.10
2017/01/31 18:59	1.82	2.71	0.10
2017/01/31 19:14	1.86	2.78	0.10
2017/01/31 19:29	1.87	2.78	0.10
2017/01/31 19:44	1.87	2.78	0.10
2017/01/31 19:59	1.87	2.78	0.10
2017/01/31 20:14	1.59	2.22	0.10
2017/01/31 20:29	1.59	2.22	0.10
2017/01/31 20:44	1.59	2.22	0.10
2017/01/31 20:59	1.86	2.78	0.10
2017/01/31 21:14	1.86	2.78	0.10
2017/01/31 21:29	1.86	2.78	0.10
2017/01/31 21:44	1.84	2.71	0.10
2017/01/31 21:59	1.72	2.50	0.10
2017/01/31 22:14	1.65	2.36	0.10
2017/01/31 22:29	1.65	2.36	0.10
2017/01/31 22:44	1.72	2.50	0.10
2017/01/31 22:59	1.82	2.71	0.10
2017/01/31 23:14	1.82	2.71	0.10
2017/01/31 23:29	1.82	2.71	0.10
2017/01/31 23:44	1.82	2.71	0.10
2017/01/31 23:59	1.79	2.64	0.10
2017/02/01 00:14	1.54	2.08	0.10
2017/02/01 00:29	1.53	2.08	0.10
2017/02/01 00:44	1.53	2.08	0.10
2017/02/01 00:59	1.53	2.08	0.10
2017/02/01 01:14	1.58	2.22	0.10
2017/02/01 01:29	1.94	2.92	0.10
2017/02/01 01:44	2.05	3.19	0.10
2017/02/01 01:59	2.05	3.19	0.10
2017/02/01 02:14	1.94	2.92	0.10
2017/02/01 02:29	1.59	2.22	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 02:44	1.54	2.08	0.10
2017/02/01 02:59	1.50	2.01	0.10
2017/02/01 03:14	1.47	1.94	0.10
2017/02/01 03:29	1.47	1.94	0.10
2017/02/01 03:44	1.47	1.94	0.10
2017/02/01 03:59	1.47	1.94	0.10
2017/02/01 04:14	1.47	1.94	0.10
2017/02/01 04:29	1.48	2.01	0.10
2017/02/01 04:44	1.48	2.01	0.10
2017/02/01 04:59	1.48	2.01	0.10
2017/02/01 05:14	1.47	1.94	0.10
2017/02/01 05:29	1.47	1.94	0.10
2017/02/01 05:44	1.47	1.94	0.10
2017/02/01 05:59	1.48	2.01	0.10
2017/02/01 06:14	1.73	2.50	0.10
2017/02/01 06:29	1.75	2.57	0.10
2017/02/01 06:44	1.80	2.64	0.10
2017/02/01 06:59	1.80	2.64	0.10
2017/02/01 07:14	1.80	2.64	0.10
2017/02/01 07:29	1.83	2.71	0.10
2017/02/01 07:44	2.00	3.06	0.10
2017/02/01 07:59	1.98	2.99	0.10
2017/02/01 08:14	1.98	2.99	0.10
2017/02/01 08:29	1.98	2.99	0.10
2017/02/01 08:44	1.87	2.78	0.10
2017/02/01 08:59	1.87	2.78	0.10
2017/02/01 09:14	1.87	2.78	0.10
2017/02/01 09:29	2.18	3.47	0.10
2017/02/01 09:44	2.19	3.47	0.10
2017/02/01 09:59	2.26	3.61	0.10
2017/02/01 10:14	2.26	3.61	0.10
2017/02/01 10:29	2.18	3.47	0.10
2017/02/01 10:44	2.08	3.26	0.10
2017/02/01 10:59	1.98	2.99	0.10
2017/02/01 11:14	1.98	9.93	0.33
2017/02/01 11:29	2.08	9.58	0.30
2017/02/01 11:44	2.16	22.22	0.65
2017/02/01 11:59	2.16	24.93	0.73
2017/02/01 12:14	2.39	25.49	0.65
2017/02/01 12:29	2.16	24.93	0.73
2017/02/01 12:44	2.16	27.71	0.81
2017/02/01 12:59	2.41	138.33	3.47
2017/02/01 13:14	2.46	160.56	3.93
2017/02/01 13:29	2.37	173.61	4.46
2017/02/01 13:44	2.37	173.61	4.46

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 13:59	2.37	173.61	4.46
2017/02/01 14:14	1.78	84.51	3.27
2017/02/01 14:29	1.78	84.51	3.27
2017/02/01 14:44	1.73	79.79	3.19
2017/02/01 14:59	1.69	77.08	3.19
2017/02/01 15:14	1.69	80.14	3.32
2017/02/01 15:29	1.76	106.53	4.16
2017/02/01 15:44	1.76	110.62	4.32
2017/02/01 15:59	1.76	110.62	4.32
2017/02/01 16:14	1.89	131.74	4.67
2017/02/01 16:29	1.96	146.11	4.92
2017/02/01 16:44	1.96	148.06	4.99
2017/02/01 16:59	1.96	148.06	4.99
2017/02/01 17:14	1.82	131.60	4.92
2017/02/01 17:29	1.79	127.15	4.86
2017/02/01 17:44	1.79	19.17	0.73
2017/02/01 17:59	1.82	19.58	0.73
2017/02/01 18:14	1.84	20.00	0.73
2017/02/01 18:29	1.87	20.42	0.73
2017/02/01 18:44	1.98	22.15	0.73
2017/02/01 18:59	2.19	20.62	0.59
2017/02/01 19:14	2.19	19.24	0.55
2017/02/01 19:29	2.19	19.17	0.55
2017/02/01 19:44	2.00	15.14	0.50
2017/02/01 19:59	1.89	13.19	0.47
2017/02/01 20:14	1.89	13.19	0.47
2017/02/01 20:29	1.89	13.19	0.47
2017/02/01 20:44	2.04	15.83	0.50
2017/02/01 20:59	2.07	16.39	0.51
2017/02/01 21:14	2.07	3.19	0.10
2017/02/01 21:29	2.04	3.12	0.10
2017/02/01 21:44	1.82	2.71	0.10
2017/02/01 21:59	1.82	2.71	0.10
2017/02/01 22:14	1.82	2.71	0.10
2017/02/01 22:29	2.04	3.12	0.10
2017/02/01 22:44	2.04	3.12	0.10
2017/02/01 22:59	2.04	3.12	0.10
2017/02/01 23:14	1.96	2.99	0.10
2017/02/01 23:29	1.96	2.99	0.10
2017/02/01 23:44	1.89	2.85	0.10
2017/02/01 23:59	1.86	2.78	0.10
2017/02/02 00:14	1.73	2.50	0.10
2017/02/02 00:29	1.61	2.22	0.10
2017/02/02 00:44	1.61	2.22	0.10
2017/02/02 00:59	1.61	2.22	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 01:14	1.82	2.71	0.10
2017/02/02 01:29	1.98	2.99	0.10
2017/02/02 01:44	1.98	2.99	0.10
2017/02/02 01:59	1.82	2.71	0.10
2017/02/02 02:14	1.71	2.43	0.10
2017/02/02 02:29	1.66	2.36	0.10
2017/02/02 02:44	1.53	2.08	0.10
2017/02/02 02:59	1.46	1.94	0.10
2017/02/02 03:14	1.46	1.94	0.10
2017/02/02 03:29	1.43	1.87	0.10
2017/02/02 03:44	1.43	1.87	0.10
2017/02/02 03:59	1.43	1.87	0.10
2017/02/02 04:14	1.43	1.87	0.10
2017/02/02 04:29	1.43	1.87	0.10
2017/02/02 04:44	1.43	1.87	0.10
2017/02/02 04:59	1.44	1.94	0.10
2017/02/02 05:14	1.46	1.94	0.10
2017/02/02 05:29	1.46	1.94	0.10
2017/02/02 05:44	1.48	2.01	0.10
2017/02/02 05:59	1.48	2.01	0.10
2017/02/02 06:14	1.55	2.15	0.10
2017/02/02 06:29	1.54	2.08	0.10
2017/02/02 06:44	1.54	2.08	0.10
2017/02/02 06:59	1.64	2.29	0.10
2017/02/02 07:14	1.64	2.29	0.10
2017/02/02 07:29	1.64	2.29	0.10
2017/02/02 07:44	1.66	2.36	0.10
2017/02/02 07:59	1.71	2.43	0.10
2017/02/02 08:14	1.71	2.43	0.10
2017/02/02 08:29	1.71	2.43	0.10
2017/02/02 08:44	2.04	9.86	0.31
2017/02/02 08:59	2.04	9.86	0.31
2017/02/02 09:14	2.04	10.76	0.34
2017/02/02 09:29	2.04	9.65	0.31
2017/02/02 09:44	2.04	9.86	0.31
2017/02/02 09:59	2.04	9.86	0.31
2017/02/02 10:14	2.03	10.62	0.34
2017/02/02 10:29	2.00	150.14	4.91
2017/02/02 10:44	1.86	150.28	5.44
2017/02/02 10:59	2.03	169.65	5.44
2017/02/02 11:14	1.86	135.56	4.91
2017/02/02 11:29	1.79	20.49	0.78
2017/02/02 11:44	1.79	16.46	0.63
2017/02/02 11:59	1.75	15.49	0.61
2017/02/02 12:14	1.75	15.49	0.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 12:29	1.79	16.46	0.63
2017/02/02 12:44	1.78	16.32	0.63
2017/02/02 12:59	1.78	16.32	0.63
2017/02/02 13:14	1.78	16.32	0.63
2017/02/02 13:29	1.65	13.68	0.59
2017/02/02 13:44	1.65	13.68	0.59
2017/02/02 13:59	1.65	13.68	0.59
2017/02/02 14:14	1.90	78.89	2.77
2017/02/02 14:29	1.90	78.89	2.77
2017/02/02 14:44	1.93	169.65	5.83
2017/02/02 14:59	2.07	189.10	5.89
2017/02/02 15:14	2.07	184.24	5.74
2017/02/02 15:29	2.04	6.04	0.19
2017/02/02 15:44	2.07	184.24	5.74
2017/02/02 15:59	2.04	7.22	0.23
2017/02/02 16:14	1.93	5.62	0.19
2017/02/02 16:29	1.71	4.10	0.17
2017/02/02 16:44	1.71	4.10	0.17
2017/02/02 16:59	1.71	4.10	0.17
2017/02/02 17:14	1.79	4.65	0.18
2017/02/02 17:29	1.79	4.65	0.18
2017/02/02 17:44	1.79	4.65	0.18
2017/02/02 17:59	1.79	4.65	0.18
2017/02/02 18:14	1.79	2.64	0.10
2017/02/02 18:29	1.79	2.64	0.10
2017/02/02 18:44	1.93	2.92	0.10
2017/02/02 18:59	2.01	3.06	0.10
2017/02/02 19:14	2.01	3.06	0.10
2017/02/02 19:29	2.01	3.06	0.10
2017/02/02 19:44	1.93	2.92	0.10
2017/02/02 19:59	1.93	2.92	0.10
2017/02/02 20:14	1.80	2.64	0.10
2017/02/02 20:29	1.80	2.64	0.10
2017/02/02 20:44	1.80	2.64	0.10
2017/02/02 20:59	1.76	2.57	0.10
2017/02/02 21:14	1.61	2.22	0.10
2017/02/02 21:29	1.61	2.22	0.10
2017/02/02 21:44	1.61	2.22	0.10
2017/02/02 21:59	1.98	2.99	0.10
2017/02/02 22:14	1.98	2.99	0.10
2017/02/02 22:29	1.98	10.90	0.36
2017/02/02 22:44	1.98	27.43	0.91
2017/02/02 22:59	1.98	28.47	0.94
2017/02/02 23:14	2.00	29.72	0.97
2017/02/02 23:29	2.00	26.60	0.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 23:44	2.00	28.82	0.94
2017/02/02 23:59	2.07	30.21	0.94
2017/02/03 00:14	2.04	27.36	0.87
2017/02/03 00:29	2.04	27.36	0.87
2017/02/03 00:44	2.04	24.37	0.77
2017/02/03 00:59	2.04	22.22	0.71
2017/02/03 01:14	2.04	22.22	0.71
2017/02/03 01:29	2.08	23.40	0.72
2017/02/03 01:44	2.08	23.40	0.72
2017/02/03 01:59	2.09	23.75	0.73
2017/02/03 02:14	2.11	24.10	0.73
2017/02/03 02:29	2.11	24.10	0.73
2017/02/03 02:44	2.15	9.51	0.28
2017/02/03 02:59	2.15	3.40	0.10
2017/02/03 03:14	2.30	3.75	0.10
2017/02/03 03:29	2.32	3.75	0.10
2017/02/03 03:44	2.32	3.75	0.10
2017/02/03 03:59	2.32	3.75	0.10
2017/02/03 04:14	2.15	21.67	0.64
2017/02/03 04:29	2.15	23.26	0.69
2017/02/03 04:44	2.15	24.51	0.72
2017/02/03 04:59	2.15	16.32	0.48
2017/02/03 05:14	2.15	21.67	0.64
2017/02/03 05:29	1.65	13.19	0.56
2017/02/03 05:44	1.65	13.19	0.56
2017/02/03 05:59	1.65	13.19	0.56
2017/02/03 06:14	1.97	22.99	0.77
2017/02/03 06:29	1.97	22.99	0.77
2017/02/03 06:44	1.97	24.58	0.82
2017/02/03 06:59	1.69	19.79	0.82
2017/02/03 07:14	1.69	19.79	0.82
2017/02/03 07:29	1.69	19.79	0.82
2017/02/03 07:44	1.78	21.74	0.84
2017/02/03 07:59	1.93	24.51	0.84
2017/02/03 08:14	2.08	27.36	0.84
2017/02/03 08:29	2.08	27.15	0.84
2017/02/03 08:44	2.08	26.53	0.82
2017/02/03 08:59	2.08	26.53	0.82
2017/02/03 09:14	2.08	24.79	0.76
2017/02/03 09:29	1.96	22.71	0.76
2017/02/03 09:44	1.96	22.71	0.76
2017/02/03 09:59	1.91	24.17	0.84
2017/02/03 10:14	1.84	23.19	0.85
2017/02/03 10:29	1.91	25.49	0.89
2017/02/03 10:44	1.96	26.87	0.90

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 10:59	2.07	28.40	0.89
2017/02/03 11:14	2.07	27.22	0.85
2017/02/03 11:29	2.08	20.49	0.63
2017/02/03 11:44	2.08	20.49	0.63
2017/02/03 11:59	2.33	24.03	0.63
2017/02/03 12:14	2.34	24.44	0.64
2017/02/03 12:29	2.34	24.44	0.64
2017/02/03 12:44	2.34	24.44	0.64
2017/02/03 12:59	2.23	21.60	0.60
2017/02/03 13:14	2.21	20.90	0.60
2017/02/03 13:29	1.90	16.94	0.60
2017/02/03 13:44	1.90	17.22	0.60
2017/02/03 13:59	1.90	23.12	0.81
2017/02/03 14:14	1.90	28.89	1.01
2017/02/03 14:29	1.90	29.44	1.03
2017/02/03 14:44	2.07	139.10	4.34
2017/02/03 14:59	1.80	122.08	4.62
2017/02/03 15:14	1.80	125.83	4.76
2017/02/03 15:29	1.76	118.12	4.62
2017/02/03 15:44	1.76	118.12	4.62
2017/02/03 15:59	1.76	118.12	4.62
2017/02/03 16:14	1.89	139.31	4.94
2017/02/03 16:29	1.89	139.31	4.94
2017/02/03 16:44	2.03	165.28	5.30
2017/02/03 16:59	2.11	89.51	2.71
2017/02/03 17:14	2.11	89.51	2.71
2017/02/03 17:29	2.11	54.79	1.66
2017/02/03 17:44	2.25	32.15	0.89
2017/02/03 17:59	2.25	32.15	0.89
2017/02/03 18:14	1.96	16.39	0.55
2017/02/03 18:29	1.86	10.49	0.38
2017/02/03 18:44	1.75	5.07	0.20
2017/02/03 18:59	1.75	5.07	0.20
2017/02/03 19:14	1.68	11.25	0.47
2017/02/03 19:29	1.68	11.25	0.47
2017/02/03 19:44	1.61	48.40	2.15
2017/02/03 19:59	1.61	48.40	2.15
2017/02/03 20:14	1.61	130.07	5.79
2017/02/03 20:29	1.59	113.19	5.10
2017/02/03 20:44	1.58	123.61	5.64
2017/02/03 20:59	1.61	148.47	6.60
2017/02/03 21:14	1.62	131.67	5.79
2017/02/03 21:29	1.73	156.39	6.25
2017/02/03 21:44	1.83	178.54	6.60
2017/02/03 21:59	1.93	203.33	6.99

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 22:14	1.93	203.33	6.99
2017/02/03 22:29	1.93	203.33	6.99
2017/02/03 22:44	1.82	176.18	6.59
2017/02/03 22:59	1.80	88.40	3.35
2017/02/03 23:14	1.73	22.71	0.91
2017/02/03 23:29	1.80	11.60	0.44
2017/02/03 23:44	1.80	11.60	0.44
2017/02/03 23:59	1.89	2.85	0.10
2017/02/04 00:14	1.94	2.92	0.10
2017/02/04 00:29	1.94	2.92	0.10
2017/02/04 00:44	1.89	2.85	0.10
2017/02/04 00:59	1.86	2.78	0.10
2017/02/04 01:14	1.86	2.78	0.10
2017/02/04 01:29	1.82	2.71	0.10
2017/02/04 01:44	1.82	2.71	0.10
2017/02/04 01:59	1.76	2.57	0.10
2017/02/04 02:14	1.75	2.57	0.10
2017/02/04 02:29	1.58	2.22	0.10
2017/02/04 02:44	1.57	2.15	0.10
2017/02/04 02:59	1.53	2.08	0.10
2017/02/04 03:14	1.48	2.01	0.10
2017/02/04 03:29	1.46	1.94	0.10
2017/02/04 03:44	1.43	1.87	0.10
2017/02/04 03:59	1.43	1.87	0.10
2017/02/04 04:14	1.43	1.87	0.10
2017/02/04 04:29	1.43	1.87	0.10
2017/02/04 04:44	1.43	1.87	0.10
2017/02/04 04:59	1.43	1.87	0.10
2017/02/04 05:14	1.43	1.87	0.10
2017/02/04 05:29	1.43	1.87	0.10
2017/02/04 05:44	1.43	1.87	0.10
2017/02/04 05:59	1.43	1.87	0.10
2017/02/04 06:14	1.44	1.94	0.10
2017/02/04 06:29	1.44	1.94	0.10
2017/02/04 06:44	1.47	1.94	0.10
2017/02/04 06:59	1.51	2.08	0.10
2017/02/04 07:14	1.94	2.92	0.10
2017/02/04 07:29	1.94	2.92	0.10
2017/02/04 07:44	1.94	2.92	0.10
2017/02/04 07:59	1.90	2.85	0.10
2017/02/04 08:14	1.50	2.01	0.10
2017/02/04 08:29	1.50	2.01	0.10
2017/02/04 08:44	1.50	2.01	0.10
2017/02/04 08:59	1.84	2.71	0.10
2017/02/04 09:14	1.84	2.71	0.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 09:29	1.94	8.06	0.27
2017/02/04 09:44	2.03	8.89	0.29
2017/02/04 09:59	2.03	7.85	0.25
2017/02/04 10:14	1.97	6.46	0.22
2017/02/04 10:29	1.97	8.26	0.27
2017/02/04 10:44	1.89	8.06	0.29
2017/02/04 10:59	1.89	53.68	1.90
2017/02/04 11:14	1.78	49.24	1.90
2017/02/04 11:29	1.89	53.89	1.91
2017/02/04 11:44	1.89	53.89	1.91
2017/02/04 11:59	1.89	53.89	1.91
2017/02/04 12:14	1.97	62.36	2.08
2017/02/04 12:29	1.97	70.56	2.35
2017/02/04 12:44	1.97	89.58	2.99
2017/02/04 12:59	1.91	86.04	2.99
2017/02/04 13:14	1.91	86.04	2.99
2017/02/04 13:29	1.65	59.51	2.55
2017/02/04 13:44	1.61	55.83	2.48
2017/02/04 13:59	1.61	55.83	2.48
2017/02/04 14:14	1.61	55.83	2.48
2017/02/04 14:29	1.91	85.07	2.96
2017/02/04 14:44	2.14	110.83	3.30
2017/02/04 14:59	2.14	110.83	3.30
2017/02/04 15:14	2.14	110.83	3.30
2017/02/04 15:29	1.78	67.78	2.61
2017/02/04 15:44	1.66	52.64	2.24
2017/02/04 15:59	1.66	52.64	2.24
2017/02/04 16:14	1.66	52.64	2.24
2017/02/04 16:29	1.78	54.31	2.09
2017/02/04 16:44	1.90	53.40	1.88
2017/02/04 16:59	1.90	38.68	1.36
2017/02/04 17:14	1.78	33.82	1.31
2017/02/04 17:29	1.72	38.68	1.56
2017/02/04 17:44	1.72	38.68	1.56
2017/02/04 17:59	1.72	38.68	1.56
2017/02/04 18:14	1.91	142.92	4.97
2017/02/04 18:29	1.96	150.83	5.08
2017/02/04 18:44	1.97	154.17	5.14
2017/02/04 18:59	1.97	154.17	5.14
2017/02/04 19:14	2.04	168.12	5.34
2017/02/04 19:29	2.04	168.12	5.34
2017/02/04 19:44	2.05	170.90	5.38
2017/02/04 19:59	2.05	170.90	5.38
2017/02/04 20:14	2.07	173.75	5.42
2017/02/04 20:29	2.05	167.78	5.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 20:44	1.87	145.97	5.24
2017/02/04 20:59	1.82	139.37	5.20
2017/02/04 21:14	1.72	126.87	5.13
2017/02/04 21:29	1.68	121.39	5.08
2017/02/04 21:44	1.58	114.51	5.22
2017/02/04 21:59	1.55	107.85	5.05
2017/02/04 22:14	1.55	127.71	5.98
2017/02/04 22:29	1.58	114.51	5.22
2017/02/04 22:44	1.61	119.03	5.29
2017/02/04 22:59	1.68	132.99	5.57
2017/02/04 23:14	1.73	143.96	5.75
2017/02/04 23:29	1.73	143.96	5.75
2017/02/04 23:44	1.73	143.96	5.75
2017/02/04 23:59	1.73	143.96	5.75
2017/02/05 00:14	1.62	59.03	2.60
2017/02/05 00:29	1.55	19.79	0.93
2017/02/05 00:44	1.50	4.86	0.24
2017/02/05 00:59	1.48	2.01	0.10
2017/02/05 01:14	1.48	2.01	0.10
2017/02/05 01:29	1.50	2.01	0.10
2017/02/05 01:44	1.51	2.08	0.10
2017/02/05 01:59	1.51	2.08	0.10
2017/02/05 02:14	1.51	2.08	0.10
2017/02/05 02:29	1.46	1.94	0.10
2017/02/05 02:44	1.41	1.87	0.10
2017/02/05 02:59	1.41	1.87	0.10
2017/02/05 03:14	1.41	1.87	0.10
2017/02/05 03:29	1.43	1.87	0.10
2017/02/05 03:44	1.43	1.87	0.10
2017/02/05 03:59	1.43	1.87	0.10
2017/02/05 04:14	1.43	1.87	0.10
2017/02/05 04:29	1.43	1.87	0.10
2017/02/05 04:44	1.43	1.87	0.10
2017/02/05 04:59	1.43	1.87	0.10
2017/02/05 05:14	1.43	1.87	0.10
2017/02/05 05:29	1.41	1.87	0.10
2017/02/05 05:44	1.41	1.87	0.10
2017/02/05 05:59	1.41	1.87	0.10
2017/02/05 06:14	1.43	1.87	0.10
2017/02/05 06:29	1.43	33.19	1.75
2017/02/05 06:44	1.43	95.97	5.07
2017/02/05 06:59	1.44	104.58	5.44
2017/02/05 07:14	1.44	101.81	5.30
2017/02/05 07:29	1.47	101.74	5.15
2017/02/05 07:44	1.50	107.50	5.30

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 07:59	1.50	107.50	5.30
2017/02/05 08:14	1.50	107.50	5.30
2017/02/05 08:29	1.51	109.58	5.33
2017/02/05 08:44	1.57	118.54	5.48
2017/02/05 08:59	2.22	275.00	7.76
2017/02/05 09:14	2.26	287.50	7.90
2017/02/05 09:29	2.50	171.94	4.11
2017/02/05 09:44	2.26	55.62	1.53
2017/02/05 09:59	2.26	55.62	1.53
2017/02/05 10:14	2.05	29.17	0.92
2017/02/05 10:29	1.97	19.79	0.66
2017/02/05 10:44	1.91	16.94	0.59
2017/02/05 10:59	1.97	16.18	0.54
2017/02/05 11:14	2.05	19.03	0.60
2017/02/05 11:29	2.01	17.57	0.57
2017/02/05 11:44	2.01	17.57	0.57
2017/02/05 11:59	2.08	17.15	0.53
2017/02/05 12:14	2.01	16.94	0.55
2017/02/05 12:29	1.84	14.17	0.52
2017/02/05 12:44	1.83	14.03	0.52
2017/02/05 12:59	1.80	12.92	0.49
2017/02/05 13:14	1.69	12.29	0.51
2017/02/05 13:29	1.69	12.29	0.51
2017/02/05 13:44	1.83	15.42	0.57
2017/02/05 13:59	1.89	17.15	0.61
2017/02/05 14:14	1.90	20.90	0.73
2017/02/05 14:29	1.90	19.10	0.67
2017/02/05 14:44	1.90	20.90	0.73
2017/02/05 14:59	1.75	17.01	0.67
2017/02/05 15:14	1.75	18.54	0.73
2017/02/05 15:29	1.75	18.54	0.73
2017/02/05 15:44	1.94	25.62	0.87
2017/02/05 15:59	1.98	27.01	0.89
2017/02/05 16:14	2.19	34.31	0.99
2017/02/05 16:29	2.18	33.82	0.98
2017/02/05 16:44	2.18	33.82	0.98
2017/02/05 16:59	2.18	33.82	0.98
2017/02/05 17:14	2.18	33.82	0.98
2017/02/05 17:29	2.12	21.60	0.65
2017/02/05 17:44	2.12	21.60	0.65
2017/02/05 17:59	1.98	14.17	0.47
2017/02/05 18:14	1.89	6.18	0.22
2017/02/05 18:29	1.89	6.18	0.22
2017/02/05 18:44	1.89	8.19	0.29
2017/02/05 18:59	1.89	7.08	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 19:14	1.91	7.85	0.27
2017/02/05 19:29	1.91	7.22	0.25
2017/02/05 19:44	1.91	7.22	0.25
2017/02/05 19:59	1.82	6.32	0.24
2017/02/05 20:14	1.82	6.32	0.24
2017/02/05 20:29	1.82	6.32	0.24
2017/02/05 20:44	1.93	7.29	0.25
2017/02/05 20:59	2.00	7.99	0.26
2017/02/05 21:14	2.04	8.19	0.26
2017/02/05 21:29	2.14	8.47	0.25
2017/02/05 21:44	2.14	4.93	0.15
2017/02/05 21:59	2.04	4.51	0.14
2017/02/05 22:14	1.96	3.89	0.13
2017/02/05 22:29	1.96	3.89	0.13
2017/02/05 22:44	1.96	3.89	0.13
2017/02/05 22:59	1.96	3.89	0.13
2017/02/05 23:14	2.09	4.58	0.14
2017/02/05 23:29	2.11	4.65	0.14
2017/02/05 23:44	2.11	4.65	0.14
2017/02/05 23:59	2.11	3.33	0.10
2017/02/06 00:14	2.11	3.33	0.10
2017/02/06 00:29	2.08	3.26	0.10
2017/02/06 00:44	1.94	2.92	0.10
2017/02/06 00:59	1.87	2.78	0.10
2017/02/06 01:14	1.51	2.08	0.10
2017/02/06 01:29	1.51	2.08	0.10
2017/02/06 01:44	1.50	2.01	0.10
2017/02/06 01:59	1.48	2.01	0.10
2017/02/06 02:14	1.48	2.01	0.10
2017/02/06 02:29	1.47	1.94	0.10
2017/02/06 02:44	1.46	1.94	0.10
2017/02/06 02:59	1.47	12.57	0.64
2017/02/06 03:14	1.47	12.57	0.64
2017/02/06 03:29	1.47	15.21	0.77
2017/02/06 03:44	1.47	16.60	0.84
2017/02/06 03:59	1.82	20.42	0.76
2017/02/06 04:14	1.82	20.56	0.77
2017/02/06 04:29	1.86	21.81	0.79
2017/02/06 04:44	1.87	23.06	0.83
2017/02/06 04:59	1.87	23.06	0.83
2017/02/06 05:14	1.80	21.87	0.83
2017/02/06 05:29	1.76	21.18	0.83
2017/02/06 05:44	1.68	18.06	0.76
2017/02/06 05:59	1.68	18.06	0.76
2017/02/06 06:14	1.68	18.06	0.76

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 06:29	2.21	30.69	0.87
2017/02/06 06:44	2.32	35.00	0.93
2017/02/06 06:59	2.32	35.00	0.93
2017/02/06 07:14	2.37	36.18	0.93
2017/02/06 07:29	2.40	36.74	0.93
2017/02/06 07:44	2.40	36.74	0.93
2017/02/06 07:59	2.40	38.40	0.97
2017/02/06 08:14	2.40	38.40	0.97
2017/02/06 08:29	2.40	38.40	0.97
2017/02/06 08:44	2.32	32.29	0.86
2017/02/06 08:59	2.29	31.74	0.86
2017/02/06 09:14	2.29	31.74	0.86
2017/02/06 09:29	2.29	33.19	0.90
2017/02/06 09:44	2.29	34.37	0.93
2017/02/06 09:59	2.26	33.82	0.93
2017/02/06 10:14	2.26	34.24	0.94
2017/02/06 10:29	2.26	34.24	0.94
2017/02/06 10:44	2.26	32.99	0.91
2017/02/06 10:59	2.19	29.17	0.84
2017/02/06 11:14	2.15	28.19	0.83
2017/02/06 11:29	2.15	18.19	0.54
2017/02/06 11:44	2.15	17.57	0.52
2017/02/06 11:59	1.97	13.89	0.46
2017/02/06 12:14	1.97	13.89	0.46
2017/02/06 12:29	2.08	16.04	0.49
2017/02/06 12:44	1.97	13.89	0.46
2017/02/06 12:59	2.04	15.28	0.49
2017/02/06 13:14	2.04	15.56	0.49
2017/02/06 13:29	2.04	15.56	0.49
2017/02/06 13:44	1.90	147.36	5.17
2017/02/06 13:59	2.04	190.21	6.04
2017/02/06 14:14	2.09	220.00	6.73
2017/02/06 14:29	2.12	226.32	6.80
2017/02/06 14:44	2.12	227.01	6.82
2017/02/06 14:59	2.12	227.01	6.82
2017/02/06 15:14	2.11	224.93	6.82
2017/02/06 15:29	1.82	157.08	5.87
2017/02/06 15:44	1.82	157.08	5.87
2017/02/06 15:59	1.82	157.08	5.87
2017/02/06 16:14	1.93	157.85	5.42
2017/02/06 16:29	2.05	161.67	5.09
2017/02/06 16:44	2.05	161.67	5.09
2017/02/06 16:59	1.93	139.86	4.81
2017/02/06 17:14	1.78	120.62	4.66
2017/02/06 17:29	1.68	104.65	4.38

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 17:44	1.64	107.36	4.66
2017/02/06 17:59	1.64	107.36	4.66
2017/02/06 18:14	1.55	94.37	4.41
2017/02/06 18:29	1.55	94.37	4.41
2017/02/06 18:44	1.68	114.24	4.79
2017/02/06 18:59	1.91	157.15	5.46
2017/02/06 19:14	2.00	174.17	5.70
2017/02/06 19:29	2.05	181.04	5.70
2017/02/06 19:44	2.05	181.04	5.70
2017/02/06 19:59	2.00	161.87	5.29
2017/02/06 20:14	1.75	96.87	3.83
2017/02/06 20:29	1.71	81.32	3.33
2017/02/06 20:44	1.71	14.31	0.58
2017/02/06 20:59	1.75	13.96	0.55
2017/02/06 21:14	1.75	13.96	0.55
2017/02/06 21:29	1.91	16.81	0.58
2017/02/06 21:44	1.96	99.79	3.36
2017/02/06 21:59	1.91	103.47	3.59
2017/02/06 22:14	1.86	99.24	3.59
2017/02/06 22:29	1.86	99.24	3.59
2017/02/06 22:44	1.86	97.78	3.54
2017/02/06 22:59	1.86	97.78	3.54
2017/02/06 23:14	1.87	98.82	3.54
2017/02/06 23:29	1.96	116.04	3.91
2017/02/06 23:44	2.00	154.03	5.04
2017/02/06 23:59	2.07	165.97	5.17
2017/02/07 00:00	2.07	165.97	5.17
2017/02/07 00:15	2.00	158.12	5.17
2017/02/07 00:30	1.96	149.51	5.04
2017/02/07 00:45	1.89	137.29	4.87
2017/02/07 01:00	1.89	136.60	4.84
2017/02/07 01:15	1.75	113.47	4.49
2017/02/07 01:30	1.66	100.83	4.27
2017/02/07 01:45	1.61	92.85	4.13
2017/02/07 02:00	1.55	5.35	0.25
2017/02/07 02:15	1.55	5.35	0.25
2017/02/07 02:30	1.55	5.35	0.25
2017/02/07 02:45	1.55	5.35	0.25
2017/02/07 03:00	1.55	5.35	0.25
2017/02/07 03:15	1.55	14.44	0.68
2017/02/07 03:30	1.54	12.71	0.60
2017/02/07 03:45	1.54	13.12	0.62
2017/02/07 04:00	1.58	18.40	0.84
2017/02/07 04:15	1.71	15.69	0.64
2017/02/07 04:30	1.59	13.82	0.62

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 04:45	1.59	13.82	0.62
2017/02/07 05:00	1.73	14.37	0.58
2017/02/07 05:15	1.69	13.54	0.56
2017/02/07 05:30	1.66	13.06	0.55
2017/02/07 05:45	1.69	13.54	0.56
2017/02/07 06:00	1.73	14.37	0.58
2017/02/07 06:15	1.72	13.82	0.56
2017/02/07 06:30	1.83	16.46	0.61
2017/02/07 06:45	1.93	18.61	0.64
2017/02/07 07:00	2.07	20.56	0.64
2017/02/07 07:15	2.07	24.31	0.76
2017/02/07 07:30	2.08	29.03	0.90
2017/02/07 07:45	2.08	29.03	0.90
2017/02/07 08:00	2.00	25.56	0.84
2017/02/07 08:15	1.93	24.31	0.84
2017/02/07 08:30	1.93	24.31	0.84
2017/02/07 08:45	1.93	24.31	0.84
2017/02/07 09:00	1.91	24.10	0.84
2017/02/07 09:15	1.91	24.10	0.84
2017/02/07 09:30	1.90	23.89	0.84
2017/02/07 09:45	1.90	23.89	0.84
2017/02/07 10:00	1.90	23.89	0.84
2017/02/07 10:15	2.09	29.65	0.91
2017/02/07 10:30	2.14	30.49	0.91
2017/02/07 10:45	2.14	30.49	0.91
2017/02/07 11:00	2.16	15.28	0.45
2017/02/07 11:15	2.16	14.93	0.44
2017/02/07 11:30	2.16	14.93	0.44
2017/02/07 11:45	1.96	11.74	0.40
2017/02/07 12:00	2.16	15.00	0.44
2017/02/07 12:15	2.05	12.99	0.41
2017/02/07 12:30	2.16	15.00	0.44
2017/02/07 12:45	2.36	18.06	0.47
2017/02/07 13:00	2.36	18.06	0.47
2017/02/07 13:15	2.05	7.92	0.25
2017/02/07 13:30	1.91	148.47	5.16
2017/02/07 13:45	1.89	132.08	4.68
2017/02/07 14:00	1.72	105.69	4.27
2017/02/07 14:15	1.64	102.50	4.45
2017/02/07 14:30	1.72	115.83	4.68
2017/02/07 14:45	1.72	115.83	4.68
2017/02/07 15:00	1.64	102.50	4.45
2017/02/07 15:15	1.64	102.50	4.45
2017/02/07 15:30	1.62	100.83	4.43
2017/02/07 15:45	1.62	100.83	4.43

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 16:00	1.62	100.83	4.43
2017/02/07 16:15	1.93	7.29	0.25
2017/02/07 16:30	1.93	7.29	0.25
2017/02/07 16:45	1.93	7.29	0.25
2017/02/07 17:00	1.69	6.04	0.25
2017/02/07 17:15	1.69	12.29	0.51
2017/02/07 17:30	1.69	14.44	0.60
2017/02/07 17:45	1.71	14.86	0.61
2017/02/07 18:00	1.87	15.69	0.56
2017/02/07 18:15	1.98	18.12	0.60
2017/02/07 18:30	1.98	18.40	0.61
2017/02/07 18:45	1.87	17.29	0.62
2017/02/07 19:00	1.87	18.61	0.67
2017/02/07 19:15	2.04	21.87	0.70
2017/02/07 19:30	1.87	20.42	0.73
2017/02/07 19:45	1.87	20.42	0.73
2017/02/07 20:00	2.04	25.14	0.80
2017/02/07 20:15	1.97	22.99	0.77
2017/02/07 20:30	1.97	22.99	0.77
2017/02/07 20:45	2.04	25.97	0.83
2017/02/07 21:00	2.04	25.97	0.83
2017/02/07 21:15	1.97	22.99	0.77
2017/02/07 21:30	1.84	20.49	0.75
2017/02/07 21:45	1.75	17.92	0.71
2017/02/07 22:00	1.71	16.94	0.69
2017/02/07 22:15	1.71	16.94	0.69
2017/02/07 22:30	1.66	15.69	0.67
2017/02/07 22:45	1.54	12.99	0.61
2017/02/07 23:00	1.54	12.99	0.61
2017/02/07 23:15	1.61	14.44	0.64
2017/02/07 23:30	1.61	5.62	0.25
2017/02/07 23:45	1.54	5.28	0.25
2017/02/08 00:00	1.54	5.28	0.25
2017/02/08 00:15	1.54	5.28	0.25
2017/02/08 00:30	1.51	5.14	0.25
2017/02/08 00:45	1.51	5.14	0.25
2017/02/08 01:00	1.51	5.14	0.25
2017/02/08 01:15	1.51	5.14	0.25
2017/02/08 01:30	1.48	5.00	0.25
2017/02/08 01:45	1.48	5.00	0.25
2017/02/08 02:00	1.48	5.00	0.25
2017/02/08 02:15	1.47	4.93	0.25
2017/02/08 02:30	1.47	4.93	0.25
2017/02/08 02:45	1.47	4.93	0.25
2017/02/08 03:00	1.46	4.86	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 03:15	1.46	4.86	0.25
2017/02/08 03:30	1.46	12.22	0.63
2017/02/08 03:45	1.46	12.15	0.62
2017/02/08 04:00	1.46	12.01	0.62
2017/02/08 04:15	1.46	99.31	5.10
2017/02/08 04:30	1.46	12.22	0.63
2017/02/08 04:45	1.46	99.31	5.10
2017/02/08 05:00	1.51	108.89	5.29
2017/02/08 05:15	1.51	108.89	5.29
2017/02/08 05:30	1.51	108.89	5.29
2017/02/08 05:45	1.48	103.75	5.18
2017/02/08 06:00	1.48	103.75	5.18
2017/02/08 06:15	1.48	103.75	5.18
2017/02/08 06:30	1.76	156.46	6.12
2017/02/08 06:45	1.83	171.81	6.36
2017/02/08 07:00	1.89	7.08	0.25
2017/02/08 07:15	1.89	7.08	0.25
2017/02/08 07:30	1.96	7.43	0.25
2017/02/08 07:45	1.96	7.43	0.25
2017/02/08 08:00	1.98	9.17	0.30
2017/02/08 08:15	2.04	11.94	0.38
2017/02/08 08:30	2.19	12.57	0.36
2017/02/08 08:45	2.04	8.61	0.27
2017/02/08 09:00	2.04	9.58	0.30
2017/02/08 09:15	1.86	7.57	0.27
2017/02/08 09:30	1.86	7.57	0.27
2017/02/08 09:45	1.86	7.57	0.27
2017/02/08 10:00	1.76	6.60	0.26
2017/02/08 10:15	1.76	6.60	0.26
2017/02/08 10:30	1.94	8.33	0.28
2017/02/08 10:45	1.94	8.33	0.28
2017/02/08 11:00	1.76	8.96	0.35
2017/02/08 11:15	1.98	133.82	4.42
2017/02/08 11:30	2.01	162.08	5.25
2017/02/08 11:45	1.98	158.96	5.25
2017/02/08 12:00	1.69	106.74	4.42
2017/02/08 12:15	1.68	104.72	4.39
2017/02/08 12:30	1.54	84.17	3.99
2017/02/08 12:45	1.54	84.17	3.99
2017/02/08 13:00	1.54	84.17	3.99
2017/02/08 13:15	1.98	155.62	5.14
2017/02/08 13:30	1.98	7.57	0.25
2017/02/08 13:45	2.03	7.78	0.25
2017/02/08 14:00	2.03	7.78	0.25
2017/02/08 14:15	2.07	7.99	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 14:30	2.07	7.99	0.25
2017/02/08 14:45	2.15	8.47	0.25
2017/02/08 15:00	2.22	8.89	0.25
2017/02/08 15:15	2.22	8.89	0.25
2017/02/08 15:30	2.22	8.89	0.25
2017/02/08 15:45	2.15	9.93	0.29
2017/02/08 16:00	2.12	10.69	0.32
2017/02/08 16:15	2.12	11.25	0.34
2017/02/08 16:30	2.03	9.51	0.31
2017/02/08 16:45	2.03	9.51	0.31
2017/02/08 17:00	2.03	9.51	0.31
2017/02/08 17:15	1.91	8.82	0.31
2017/02/08 17:30	1.86	8.40	0.31
2017/02/08 17:45	1.86	7.99	0.29
2017/02/08 18:00	1.86	139.86	5.07
2017/02/08 18:15	2.03	160.90	5.16
2017/02/08 18:30	2.04	164.24	5.22
2017/02/08 18:45	2.05	165.76	5.22
2017/02/08 19:00	2.30	220.28	5.90
2017/02/08 19:15	2.33	223.96	5.90
2017/02/08 19:30	2.50	246.46	5.90
2017/02/08 19:45	2.50	242.29	5.80
2017/02/08 20:00	2.50	222.15	5.32
2017/02/08 20:15	1.89	102.08	3.62
2017/02/08 20:30	1.65	72.92	3.13
2017/02/08 20:45	1.58	65.21	2.97
2017/02/08 21:00	1.58	65.21	2.97
2017/02/08 21:15	1.58	65.21	2.97
2017/02/08 21:30	1.58	65.21	2.97
2017/02/08 21:45	1.71	78.33	3.21
2017/02/08 22:00	1.71	6.11	0.25
2017/02/08 22:15	1.66	5.90	0.25
2017/02/08 22:30	1.66	5.90	0.25
2017/02/08 22:45	1.66	5.90	0.25
2017/02/08 23:00	1.66	5.90	0.25
2017/02/08 23:15	1.59	5.56	0.25
2017/02/08 23:30	1.69	6.04	0.25
2017/02/08 23:45	1.69	6.04	0.25
2017/02/09 00:00	1.72	6.18	0.25
2017/02/09 00:15	1.72	6.18	0.25
2017/02/09 00:30	1.72	6.18	0.25
2017/02/09 00:45	1.54	5.28	0.25
2017/02/09 01:00	1.54	5.28	0.25
2017/02/09 01:15	1.53	5.21	0.25
2017/02/09 01:30	1.51	5.14	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 01:45	1.51	5.14	0.25
2017/02/09 02:00	1.50	5.07	0.25
2017/02/09 02:15	1.50	5.07	0.25
2017/02/09 02:30	1.48	99.17	4.95
2017/02/09 02:45	1.47	98.54	4.99
2017/02/09 03:00	1.46	95.83	4.92
2017/02/09 03:15	1.46	95.83	4.92
2017/02/09 03:30	1.46	95.83	4.92
2017/02/09 03:45	1.46	95.83	4.92
2017/02/09 04:00	1.46	95.83	4.92
2017/02/09 04:15	1.46	95.83	4.92
2017/02/09 04:30	1.46	95.83	4.92
2017/02/09 04:45	1.46	95.83	4.92
2017/02/09 05:00	1.47	98.12	4.97
2017/02/09 05:15	1.47	4.93	0.25
2017/02/09 05:30	1.47	4.93	0.25
2017/02/09 05:45	1.47	4.93	0.25
2017/02/09 06:00	1.46	4.86	0.25
2017/02/09 06:15	1.46	4.86	0.25
2017/02/09 06:30	1.47	100.21	5.07
2017/02/09 06:45	1.47	100.97	5.11
2017/02/09 07:00	1.50	111.87	5.51
2017/02/09 07:15	1.50	154.17	7.60
2017/02/09 07:30	1.61	114.93	5.11
2017/02/09 07:45	1.97	153.26	5.11
2017/02/09 08:00	1.97	12.43	0.41
2017/02/09 08:15	2.16	12.92	0.38
2017/02/09 08:30	2.04	10.83	0.34
2017/02/09 08:45	2.22	13.40	0.38
2017/02/09 09:00	2.22	13.40	0.38
2017/02/09 09:15	2.22	13.47	0.38
2017/02/09 09:30	2.04	12.29	0.39
2017/02/09 09:45	2.23	184.58	5.16
2017/02/09 10:00	2.29	191.04	5.16
2017/02/09 10:15	2.00	157.78	5.16
2017/02/09 10:30	2.15	9.03	0.27
2017/02/09 10:45	2.15	8.19	0.24
2017/02/09 11:00	2.15	8.19	0.24
2017/02/09 11:15	2.12	7.92	0.24
2017/02/09 11:30	2.12	7.92	0.24
2017/02/09 11:45	1.69	4.51	0.19
2017/02/09 12:00	1.69	4.51	0.19
2017/02/09 12:15	1.69	4.51	0.19
2017/02/09 12:30	2.14	7.92	0.23
2017/02/09 12:45	2.14	8.40	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 13:00	2.14	173.33	5.16
2017/02/09 13:15	2.16	218.40	6.38
2017/02/09 13:30	1.93	19.86	0.68
2017/02/09 13:45	1.93	25.49	0.88
2017/02/09 14:00	2.16	30.00	0.88
2017/02/09 14:15	2.40	34.65	0.88
2017/02/09 14:30	2.40	34.31	0.87
2017/02/09 14:45	2.40	34.31	0.87
2017/02/09 15:00	2.07	9.10	0.28
2017/02/09 15:15	1.90	6.87	0.24
2017/02/09 15:30	1.78	5.62	0.22
2017/02/09 15:45	1.78	6.25	0.24
2017/02/09 16:00	1.78	6.25	0.24
2017/02/09 16:15	1.86	7.01	0.25
2017/02/09 16:30	1.90	7.36	0.26
2017/02/09 16:45	2.01	8.47	0.27
2017/02/09 17:00	1.90	8.68	0.30
2017/02/09 17:15	2.11	21.94	0.67
2017/02/09 17:30	2.11	27.57	0.84
2017/02/09 17:45	2.11	27.57	0.84
2017/02/09 18:00	2.14	22.36	0.67
2017/02/09 18:15	2.14	10.35	0.31
2017/02/09 18:30	2.03	8.82	0.28
2017/02/09 18:45	2.07	8.54	0.27
2017/02/09 19:00	2.05	8.40	0.26
2017/02/09 19:15	2.05	8.40	0.26
2017/02/09 19:30	2.07	8.54	0.27
2017/02/09 19:45	2.07	8.54	0.27
2017/02/09 20:00	2.05	8.40	0.26
2017/02/09 20:15	1.80	6.67	0.25
2017/02/09 20:30	1.73	6.04	0.24
2017/02/09 20:45	1.73	6.04	0.24
2017/02/09 21:00	1.59	4.93	0.22
2017/02/09 21:15	1.57	4.72	0.22
2017/02/09 21:30	1.57	4.72	0.22
2017/02/09 21:45	1.57	4.72	0.22
2017/02/09 22:00	1.54	5.28	0.25
2017/02/09 22:15	1.54	5.28	0.25
2017/02/09 22:30	1.66	5.90	0.25
2017/02/09 22:45	1.78	6.46	0.25
2017/02/09 23:00	1.98	7.57	0.25
2017/02/09 23:15	2.00	7.64	0.25
2017/02/09 23:30	2.00	7.64	0.25
2017/02/09 23:45	1.98	7.57	0.25
2017/02/10 00:00	1.61	5.62	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 00:15	1.58	5.49	0.25
2017/02/10 00:30	1.51	5.14	0.25
2017/02/10 00:45	1.51	120.69	5.87
2017/02/10 01:00	1.51	114.72	5.58
2017/02/10 01:15	1.54	107.22	5.08
2017/02/10 01:30	1.54	102.71	4.87
2017/02/10 01:45	1.54	107.22	5.08
2017/02/10 02:00	1.48	97.43	4.87
2017/02/10 02:15	1.48	97.43	4.87
2017/02/10 02:30	1.46	93.54	4.80
2017/02/10 02:45	1.46	93.54	4.80
2017/02/10 03:00	1.50	100.21	4.94
2017/02/10 03:15	1.50	100.21	4.94
2017/02/10 03:30	1.62	5.69	0.25
2017/02/10 03:45	1.62	5.69	0.25
2017/02/10 04:00	1.62	5.69	0.25
2017/02/10 04:15	1.62	126.39	5.55
2017/02/10 04:30	1.62	120.83	5.31
2017/02/10 04:45	1.64	128.75	5.59
2017/02/10 05:00	1.71	152.08	6.22
2017/02/10 05:15	1.71	136.60	5.59
2017/02/10 05:30	1.72	139.10	5.62
2017/02/10 05:45	1.82	162.57	6.08
2017/02/10 06:00	1.82	162.57	6.08
2017/02/10 06:15	1.72	139.10	5.62
2017/02/10 06:30	1.58	115.97	5.29
2017/02/10 06:45	1.58	115.97	5.29
2017/02/10 07:00	1.58	5.49	0.25
2017/02/10 07:15	1.64	119.17	5.17
2017/02/10 07:30	1.89	175.07	6.21
2017/02/10 07:45	1.89	144.86	5.14
2017/02/10 08:00	2.09	10.97	0.34
2017/02/10 08:15	2.11	169.44	5.14
2017/02/10 08:30	2.11	11.32	0.34
2017/02/10 08:45	1.69	8.12	0.34
2017/02/10 09:00	1.69	6.39	0.26
2017/02/10 09:15	1.69	6.39	0.26
2017/02/10 09:30	1.69	6.39	0.26
2017/02/10 09:45	1.94	9.03	0.31
2017/02/10 10:00	1.94	9.03	0.31
2017/02/10 10:15	1.94	9.03	0.31
2017/02/10 10:30	1.96	6.81	0.23
2017/02/10 10:45	2.16	7.71	0.23
2017/02/10 11:00	2.16	6.94	0.20
2017/02/10 11:15	2.18	5.76	0.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 11:30	2.21	5.28	0.15
2017/02/10 11:45	2.18	4.93	0.14
2017/02/10 12:00	2.18	4.79	0.14
2017/02/10 12:15	1.91	3.47	0.12
2017/02/10 12:30	1.91	3.47	0.12
2017/02/10 12:45	1.91	3.47	0.12
2017/02/10 13:00	1.82	19.37	0.72
2017/02/10 13:15	1.82	19.37	0.72
2017/02/10 13:30	1.82	19.37	0.72
2017/02/10 13:45	1.75	18.33	0.72
2017/02/10 14:00	1.75	18.33	0.72
2017/02/10 14:15	1.61	15.62	0.70
2017/02/10 14:30	1.61	17.43	0.78
2017/02/10 14:45	1.79	22.29	0.85
2017/02/10 15:00	1.89	23.68	0.84
2017/02/10 15:15	1.79	20.35	0.78
2017/02/10 15:30	1.93	24.44	0.84
2017/02/10 15:45	1.94	24.72	0.84
2017/02/10 16:00	1.96	22.22	0.75
2017/02/10 16:15	2.19	23.75	0.68
2017/02/10 16:30	2.19	23.75	0.68
2017/02/10 16:45	2.14	22.92	0.68
2017/02/10 17:00	2.14	27.92	0.83
2017/02/10 17:15	2.09	27.15	0.83
2017/02/10 17:30	2.09	27.15	0.83
2017/02/10 17:45	2.09	22.01	0.67
2017/02/10 18:00	2.09	22.01	0.67
2017/02/10 18:15	1.94	19.79	0.67
2017/02/10 18:30	1.94	20.97	0.71
2017/02/10 18:45	1.94	22.36	0.76
2017/02/10 19:00	1.94	22.43	0.76
2017/02/10 19:15	1.94	22.43	0.76
2017/02/10 19:30	1.97	23.89	0.80
2017/02/10 19:45	1.97	25.69	0.86
2017/02/10 20:00	1.97	27.92	0.93
2017/02/10 20:15	1.83	128.40	4.75
2017/02/10 20:30	1.80	129.65	4.90
2017/02/10 20:45	1.76	125.42	4.90
2017/02/10 21:00	1.71	116.18	4.75
2017/02/10 21:15	1.71	19.93	0.81
2017/02/10 21:30	1.71	19.93	0.81
2017/02/10 21:45	1.71	19.93	0.81
2017/02/10 22:00	1.86	24.58	0.89
2017/02/10 22:15	1.86	24.58	0.89
2017/02/10 22:30	1.86	24.58	0.89

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 22:45	1.82	23.19	0.87
2017/02/10 23:00	1.64	17.85	0.78
2017/02/10 23:15	1.57	16.18	0.75
2017/02/10 23:30	1.48	14.17	0.71
2017/02/10 23:45	1.48	14.17	0.71
2017/02/11 00:00	1.48	14.03	0.70
2017/02/11 00:15	1.51	14.03	0.68
2017/02/11 00:30	1.64	3.96	0.17
2017/02/11 00:45	1.64	3.96	0.17
2017/02/11 01:00	1.72	4.24	0.17
2017/02/11 01:15	1.75	4.37	0.17
2017/02/11 01:30	2.08	10.21	0.31
2017/02/11 01:45	2.08	10.21	0.31
2017/02/11 02:00	2.08	10.21	0.31
2017/02/11 02:15	2.03	9.58	0.31
2017/02/11 02:30	1.89	7.99	0.28
2017/02/11 02:45	1.83	7.43	0.27
2017/02/11 03:00	1.69	6.18	0.26
2017/02/11 03:15	1.53	4.86	0.23
2017/02/11 03:30	1.44	4.24	0.22
2017/02/11 03:45	1.44	4.79	0.25
2017/02/11 04:00	1.43	4.72	0.25
2017/02/11 04:15	1.43	4.72	0.25
2017/02/11 04:30	1.43	4.72	0.25
2017/02/11 04:45	1.44	97.15	5.06
2017/02/11 05:00	1.44	102.99	5.36
2017/02/11 05:15	1.44	99.51	5.18
2017/02/11 05:30	1.48	120.35	6.01
2017/02/11 05:45	1.53	111.60	5.36
2017/02/11 06:00	1.69	144.58	5.98
2017/02/11 06:15	1.69	145.28	6.01
2017/02/11 06:30	1.78	155.56	6.01
2017/02/11 06:45	1.78	154.79	5.98
2017/02/11 07:00	1.78	17.50	0.68
2017/02/11 07:15	1.78	14.93	0.58
2017/02/11 07:30	1.59	11.39	0.51
2017/02/11 07:45	1.59	11.39	0.51
2017/02/11 08:00	1.59	11.39	0.51
2017/02/11 08:15	1.59	11.53	0.52
2017/02/11 08:30	1.72	13.82	0.56
2017/02/11 08:45	1.94	18.54	0.63
2017/02/11 09:00	1.98	19.51	0.65
2017/02/11 09:15	1.98	7.57	0.25
2017/02/11 09:30	1.98	7.57	0.25
2017/02/11 09:45	1.94	17.64	0.60

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 10:00	1.94	22.50	0.77
2017/02/11 10:15	1.91	17.99	0.62
2017/02/11 10:30	1.91	19.17	0.67
2017/02/11 10:45	1.91	18.26	0.63
2017/02/11 11:00	2.00	20.35	0.67
2017/02/11 11:15	2.00	20.35	0.67
2017/02/11 11:30	2.00	20.35	0.67
2017/02/11 11:45	1.93	18.68	0.64
2017/02/11 12:00	2.03	21.04	0.68
2017/02/11 12:15	1.93	18.68	0.64
2017/02/11 12:30	1.93	17.92	0.62
2017/02/11 12:45	1.93	17.92	0.61
2017/02/11 13:00	1.84	11.94	0.44
2017/02/11 13:15	1.75	8.75	0.35
2017/02/11 13:30	1.75	8.75	0.35
2017/02/11 13:45	1.75	8.75	0.35
2017/02/11 14:00	2.23	16.18	0.45
2017/02/11 14:15	2.44	20.21	0.50
2017/02/11 14:30	2.44	20.21	0.50
2017/02/11 14:45	2.44	20.21	0.50
2017/02/11 15:00	2.33	18.06	0.48
2017/02/11 15:15	2.33	9.51	0.25
2017/02/11 15:30	2.30	196.53	5.26
2017/02/11 15:45	2.29	159.17	4.30
2017/02/11 16:00	2.14	173.06	5.15
2017/02/11 16:15	1.90	150.56	5.28
2017/02/11 16:30	1.72	127.36	5.15
2017/02/11 16:45	1.68	111.25	4.66
2017/02/11 17:00	1.68	122.99	5.15
2017/02/11 17:15	1.71	127.85	5.23
2017/02/11 17:30	1.71	127.85	5.23
2017/02/11 17:45	1.87	162.57	5.83
2017/02/11 18:00	1.87	162.57	5.83
2017/02/11 18:15	1.93	174.44	6.00
2017/02/11 18:30	1.87	162.57	5.83
2017/02/11 18:45	2.09	8.19	0.25
2017/02/11 19:00	2.03	7.78	0.25
2017/02/11 19:15	2.03	7.78	0.25
2017/02/11 19:30	1.96	5.14	0.17
2017/02/11 19:45	1.96	5.00	0.17
2017/02/11 20:00	1.93	5.00	0.17
2017/02/11 20:15	1.93	4.58	0.16
2017/02/11 20:30	1.93	5.00	0.17
2017/02/11 20:45	1.93	5.00	0.17
2017/02/11 21:00	2.05	5.83	0.18

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 21:15	2.05	7.08	0.22
2017/02/11 21:30	2.05	39.72	1.25
2017/02/11 21:45	2.07	40.07	1.25
2017/02/11 22:00	2.07	41.81	1.30
2017/02/11 22:15	2.21	200.49	5.71
2017/02/11 22:30	2.25	205.83	5.71
2017/02/11 22:45	2.25	205.83	5.71
2017/02/11 23:00	2.25	189.93	5.26
2017/02/11 23:15	2.14	143.47	4.27
2017/02/11 23:30	2.11	140.83	4.27
2017/02/11 23:45	2.11	140.83	4.27
2017/02/12 00:00	1.76	109.24	4.27
2017/02/12 00:15	1.58	82.92	3.78
2017/02/12 00:30	1.55	79.17	3.70
2017/02/12 00:45	1.53	76.04	3.65
2017/02/12 01:00	1.53	76.04	3.65
2017/02/12 01:15	1.55	79.17	3.70
2017/02/12 01:30	1.55	79.17	3.70
2017/02/12 01:45	1.57	5.42	0.25
2017/02/12 02:00	1.66	5.90	0.25
2017/02/12 02:15	1.66	5.90	0.25
2017/02/12 02:30	1.79	6.53	0.25
2017/02/12 02:45	1.90	7.15	0.25
2017/02/12 03:00	1.90	7.15	0.25
2017/02/12 03:15	1.96	7.43	0.25
2017/02/12 03:30	1.90	7.15	0.25
2017/02/12 03:45	1.90	7.15	0.25
2017/02/12 04:00	1.78	6.46	0.25
2017/02/12 04:15	1.78	6.46	0.25
2017/02/12 04:30	1.55	5.35	0.25
2017/02/12 04:45	1.47	4.93	0.25
2017/02/12 05:00	1.46	4.86	0.25
2017/02/12 05:15	1.46	4.86	0.25
2017/02/12 05:30	1.46	4.86	0.25
2017/02/12 05:45	1.46	4.86	0.25
2017/02/12 06:00	1.46	4.86	0.25
2017/02/12 06:15	1.51	5.14	0.25
2017/02/12 06:30	1.51	5.14	0.25
2017/02/12 06:45	1.59	5.56	0.25
2017/02/12 07:00	1.62	15.00	0.66
2017/02/12 07:15	1.76	8.26	0.32
2017/02/12 07:30	1.93	9.79	0.34
2017/02/12 07:45	2.01	10.62	0.34
2017/02/12 08:00	2.08	10.90	0.34
2017/02/12 08:15	2.09	11.04	0.34

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 08:30	2.09	11.25	0.34
2017/02/12 08:45	2.08	11.11	0.34
2017/02/12 09:00	1.98	10.14	0.34
2017/02/12 09:15	1.98	6.25	0.21
2017/02/12 09:30	1.98	6.25	0.21
2017/02/12 09:45	2.01	6.39	0.21
2017/02/12 10:00	2.09	7.01	0.22
2017/02/12 10:15	2.32	9.03	0.24
2017/02/12 10:30	2.32	9.03	0.24
2017/02/12 10:45	2.32	9.03	0.24
2017/02/12 11:00	2.11	7.22	0.22
2017/02/12 11:15	2.00	6.32	0.21
2017/02/12 11:30	1.94	7.36	0.25
2017/02/12 11:45	1.79	6.53	0.25
2017/02/12 12:00	1.79	6.53	0.25
2017/02/12 12:15	1.79	6.53	0.25
2017/02/12 12:30	1.65	5.83	0.25
2017/02/12 12:45	1.65	5.83	0.25
2017/02/12 13:00	1.65	5.83	0.25
2017/02/12 13:15	1.87	30.00	1.08
2017/02/12 13:30	2.03	43.47	1.39
2017/02/12 13:45	2.12	7.08	0.21
2017/02/12 14:00	2.16	7.92	0.23
2017/02/12 14:15	2.18	7.99	0.23
2017/02/12 14:30	2.18	7.57	0.22
2017/02/12 14:45	2.18	7.57	0.22
2017/02/12 15:00	2.29	8.61	0.23
2017/02/12 15:15	2.21	7.92	0.22
2017/02/12 15:30	2.32	8.82	0.23
2017/02/12 15:45	2.32	9.03	0.24
2017/02/12 16:00	2.21	8.75	0.25
2017/02/12 16:15	2.19	8.68	0.25
2017/02/12 16:30	2.14	9.03	0.27
2017/02/12 16:45	2.00	8.19	0.27
2017/02/12 17:00	2.00	8.19	0.27
2017/02/12 17:15	2.00	45.83	1.50
2017/02/12 17:30	2.11	49.65	1.50
2017/02/12 17:45	1.96	44.65	1.50
2017/02/12 18:00	2.11	53.89	1.63
2017/02/12 18:15	1.96	44.65	1.50
2017/02/12 18:30	1.89	40.76	1.45
2017/02/12 18:45	1.84	39.03	1.43
2017/02/12 19:00	1.69	31.67	1.31
2017/02/12 19:15	1.69	31.67	1.31
2017/02/12 19:30	1.69	6.04	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 19:45	1.73	6.25	0.25
2017/02/12 20:00	1.76	6.39	0.25
2017/02/12 20:15	1.76	6.39	0.25
2017/02/12 20:30	1.89	7.08	0.25
2017/02/12 20:45	1.89	7.08	0.25
2017/02/12 21:00	1.79	6.53	0.25
2017/02/12 21:15	1.79	6.53	0.25
2017/02/12 21:30	1.83	6.74	0.25
2017/02/12 21:45	1.83	141.81	5.25
2017/02/12 22:00	1.83	112.08	4.15
2017/02/12 22:15	1.83	98.19	3.63
2017/02/12 22:30	1.83	120.00	4.44
2017/02/12 22:45	1.84	121.32	4.44
2017/02/12 23:00	1.84	121.32	4.44
2017/02/12 23:15	1.97	145.28	4.85
2017/02/12 23:30	1.97	145.28	4.85
2017/02/12 23:45	1.97	145.28	4.85
2017/02/13 00:00	1.72	104.65	4.23
2017/02/13 00:15	1.62	90.90	3.99
2017/02/13 00:30	1.62	5.69	0.25
2017/02/13 00:45	1.66	5.90	0.25
2017/02/13 01:00	1.66	5.90	0.25
2017/02/13 01:15	1.66	5.90	0.25
2017/02/13 01:30	1.66	5.90	0.25
2017/02/13 01:45	1.53	5.21	0.25
2017/02/13 02:00	1.47	4.93	0.25
2017/02/13 02:15	1.46	4.86	0.25
2017/02/13 02:30	1.44	4.79	0.25
2017/02/13 02:45	1.44	4.79	0.25
2017/02/13 03:00	1.44	4.79	0.25
2017/02/13 03:15	1.44	4.79	0.25
2017/02/13 03:30	1.44	4.79	0.25
2017/02/13 03:45	1.44	4.79	0.25
2017/02/13 04:00	1.44	4.79	0.25
2017/02/13 04:15	1.44	4.79	0.25
2017/02/13 04:30	1.43	4.72	0.25
2017/02/13 04:45	1.43	4.72	0.25
2017/02/13 05:00	1.41	4.65	0.25
2017/02/13 05:15	1.41	4.65	0.25
2017/02/13 05:30	1.43	4.72	0.25
2017/02/13 05:45	1.47	4.93	0.25
2017/02/13 06:00	1.53	5.21	0.25
2017/02/13 06:15	1.72	6.18	0.25
2017/02/13 06:30	1.72	6.18	0.25
2017/02/13 06:45	1.76	6.39	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 07:00	1.76	6.39	0.25
2017/02/13 07:15	1.76	6.39	0.25
2017/02/13 07:30	1.72	6.18	0.25
2017/02/13 07:45	1.72	6.18	0.25
2017/02/13 08:00	1.72	6.18	0.25
2017/02/13 08:15	1.73	19.79	0.79
2017/02/13 08:30	1.73	18.40	0.74
2017/02/13 08:45	1.96	27.36	0.92
2017/02/13 09:00	2.08	25.97	0.80
2017/02/13 09:15	2.11	26.46	0.80
2017/02/13 09:30	2.18	28.61	0.83
2017/02/13 09:45	2.18	28.96	0.84
2017/02/13 10:00	2.18	28.61	0.83
2017/02/13 10:15	2.18	28.61	0.83
2017/02/13 10:30	2.04	24.72	0.79
2017/02/13 10:45	2.04	24.72	0.79
2017/02/13 11:00	1.98	7.57	0.25
2017/02/13 11:15	1.98	7.57	0.25
2017/02/13 11:30	1.98	7.57	0.25
2017/02/13 11:45	2.01	7.71	0.25
2017/02/13 12:00	1.96	14.93	0.50
2017/02/13 12:15	2.01	17.50	0.57
2017/02/13 12:30	2.01	15.90	0.51
2017/02/13 12:45	1.97	15.35	0.51
2017/02/13 13:00	1.97	15.42	0.51
2017/02/13 13:15	2.03	17.36	0.56
2017/02/13 13:30	2.03	17.36	0.56
2017/02/13 13:45	2.12	56.11	1.68
2017/02/13 14:00	2.12	56.11	1.68
2017/02/13 14:15	2.03	52.50	1.68
2017/02/13 14:30	2.03	52.50	1.68
2017/02/13 14:45	1.93	46.39	1.60
2017/02/13 15:00	1.62	30.07	1.32
2017/02/13 15:15	1.62	30.07	1.32
2017/02/13 15:30	1.62	30.07	1.32
2017/02/13 15:45	1.86	41.74	1.51
2017/02/13 16:00	1.86	6.87	0.25
2017/02/13 16:15	2.14	8.40	0.25
2017/02/13 16:30	1.86	19.31	0.70
2017/02/13 16:45	1.82	16.94	0.63
2017/02/13 17:00	1.79	52.43	2.00
2017/02/13 17:15	1.82	55.49	2.08
2017/02/13 17:30	1.82	53.54	2.00
2017/02/13 17:45	1.79	52.43	2.00
2017/02/13 18:00	1.84	54.72	2.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 18:15	1.93	45.28	1.56
2017/02/13 18:30	2.00	38.06	1.25
2017/02/13 18:45	2.00	37.78	1.24
2017/02/13 19:00	2.00	37.78	1.24
2017/02/13 19:15	1.97	36.53	1.22
2017/02/13 19:30	1.97	36.53	1.22
2017/02/13 19:45	1.97	36.53	1.22
2017/02/13 20:00	1.97	36.67	1.22
2017/02/13 20:15	1.97	36.67	1.22
2017/02/13 20:30	1.97	36.67	1.22
2017/02/13 20:45	1.84	20.83	0.76
2017/02/13 21:00	1.80	18.06	0.68
2017/02/13 21:15	1.80	18.06	0.68
2017/02/13 21:30	1.80	18.06	0.68
2017/02/13 21:45	1.90	19.93	0.70
2017/02/13 22:00	1.90	19.93	0.70
2017/02/13 22:15	1.90	19.93	0.70
2017/02/13 22:30	1.75	16.18	0.64
2017/02/13 22:45	1.75	16.18	0.64
2017/02/13 23:00	1.75	16.18	0.64
2017/02/13 23:15	2.05	23.89	0.75
2017/02/13 23:30	2.12	168.06	5.05
2017/02/13 23:45	2.12	168.06	5.05
2017/02/14 00:00	2.12	168.06	5.05
2017/02/14 00:15	2.12	168.06	5.05
2017/02/14 00:30	2.15	173.54	5.12
2017/02/14 00:45	2.22	188.75	5.32
2017/02/14 01:00	2.22	188.75	5.32
2017/02/14 01:15	2.22	188.75	5.32
2017/02/14 01:30	2.01	148.96	4.82
2017/02/14 01:45	1.83	6.74	0.25
2017/02/14 02:00	1.83	6.74	0.25
2017/02/14 02:15	1.83	6.74	0.25
2017/02/14 02:30	1.87	6.94	0.25
2017/02/14 02:45	1.87	6.94	0.25
2017/02/14 03:00	1.87	6.94	0.25
2017/02/14 03:15	1.79	6.53	0.25
2017/02/14 03:30	1.79	6.53	0.25
2017/02/14 03:45	1.79	6.53	0.25
2017/02/14 04:00	1.66	5.90	0.25
2017/02/14 04:15	1.66	5.90	0.25
2017/02/14 04:30	1.66	5.90	0.25
2017/02/14 04:45	1.51	5.14	0.25
2017/02/14 05:00	1.47	4.93	0.25
2017/02/14 05:15	1.46	4.86	0.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 05:30	1.44	4.79	0.25
2017/02/14 05:45	1.46	4.86	0.25
2017/02/14 06:00	1.44	4.79	0.25
2017/02/14 06:15	1.44	4.79	0.25
2017/02/14 06:30	1.41	4.65	0.25
2017/02/14 06:45	1.41	4.65	0.25
2017/02/14 07:00	1.41	4.65	0.25
2017/02/14 07:15	1.96	7.43	0.25
2017/02/14 07:30	2.01	7.71	0.25
2017/02/14 07:45	2.21	8.82	0.25
2017/02/14 08:00	2.21	14.86	0.42
2017/02/14 08:15	2.23	19.93	0.56
2017/02/14 08:30	2.21	16.39	0.47
2017/02/14 08:45	2.09	12.92	0.40
2017/02/14 09:00	1.91	12.15	0.42
2017/02/14 09:15	1.96	12.85	0.43
2017/02/14 09:30	1.96	12.85	0.43
2017/02/14 09:45	1.96	12.85	0.43
2017/02/14 10:00	2.19	16.87	0.48
2017/02/14 10:15	2.19	16.87	0.48
2017/02/14 10:30	2.19	16.87	0.48
2017/02/14 10:45	2.07	13.96	0.43
2017/02/14 11:00	2.07	12.71	0.40
2017/02/14 11:15	1.97	11.87	0.40
2017/02/14 11:30	1.84	9.51	0.35
2017/02/14 11:45	1.73	8.19	0.33
2017/02/14 12:00	1.73	8.19	0.33
2017/02/14 12:15	1.73	8.19	0.33
2017/02/14 12:30	1.78	8.54	0.33
2017/02/14 12:45	1.82	9.03	0.34
2017/02/14 13:00	2.08	12.57	0.39
2017/02/14 13:15	2.08	8.12	0.25
2017/02/14 13:30	2.08	8.12	0.25
2017/02/14 13:45	2.08	10.69	0.33
2017/02/14 14:00	1.79	8.19	0.31
2017/02/14 14:15	1.79	8.75	0.34
2017/02/14 14:30	1.79	94.24	3.60
2017/02/14 14:45	1.79	8.75	0.34
2017/02/14 15:00	1.82	96.32	3.60
2017/02/14 15:15	2.03	149.03	4.78
2017/02/14 15:30	2.03	149.03	4.78
2017/02/14 15:45	2.03	149.03	4.78
2017/02/14 16:00	1.86	119.65	4.33
2017/02/14 16:15	1.84	117.50	4.30
2017/02/14 16:30	1.84	117.50	4.30

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 16:45	1.86	119.65	4.33
2017/02/14 17:00	2.12	164.65	4.95
2017/02/14 17:15	2.12	8.33	0.25
2017/02/14 17:30	2.12	8.33	0.25
2017/02/14 17:45	2.14	8.40	0.25
2017/02/14 18:00	2.14	8.40	0.25
2017/02/14 18:15	2.07	7.99	0.25
2017/02/14 18:30	2.08	8.12	0.25
2017/02/14 18:45	2.08	8.12	0.25
2017/02/14 19:00	2.04	7.85	0.25
2017/02/14 19:15	2.03	7.78	0.25
2017/02/14 19:30	1.97	7.50	0.25
2017/02/14 19:45	1.91	7.22	0.25
2017/02/14 20:00	1.80	6.60	0.25
2017/02/14 20:15	1.91	7.22	0.25
2017/02/14 20:30	1.80	6.60	0.25
2017/02/14 20:45	1.80	6.60	0.25
2017/02/14 21:00	1.80	6.60	0.25
2017/02/14 21:15	1.69	6.04	0.25
2017/02/14 21:30	1.69	6.04	0.25
2017/02/14 21:45	1.69	6.04	0.25
2017/02/14 22:00	1.69	6.04	0.25
2017/02/14 22:15	1.98	7.57	0.25
2017/02/14 22:30	2.00	7.64	0.25
2017/02/14 22:45	2.08	8.12	0.25
2017/02/14 23:00	2.08	8.12	0.25
2017/02/14 23:15	2.19	8.68	0.25
2017/02/14 23:30	2.22	8.89	0.25
2017/02/14 23:45	2.08	8.12	0.25
2017/02/15 00:00	2.04	7.85	0.25
2017/02/15 00:15	1.96	7.43	0.25
2017/02/15 00:30	1.93	7.29	0.25
2017/02/15 00:45	1.93	7.29	0.25
2017/02/15 01:00	1.93	7.29	0.25
2017/02/15 01:15	1.93	7.29	0.25
2017/02/15 01:30	1.93	7.29	0.25
2017/02/15 01:45	1.91	7.22	0.25
2017/02/15 02:00	1.89	146.25	5.19
2017/02/15 02:15	1.86	143.19	5.19
2017/02/15 02:30	1.84	141.74	5.19
2017/02/15 02:45	1.84	141.81	5.19
2017/02/15 03:00	1.84	141.74	5.19
2017/02/15 03:15	1.84	141.81	5.19
2017/02/15 03:30	1.84	141.81	5.19
2017/02/15 03:45	1.86	144.17	5.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 04:00	1.87	146.81	5.26
2017/02/15 04:15	1.87	146.81	5.26
2017/02/15 04:30	1.87	146.81	5.26
2017/02/15 04:45	1.87	6.94	0.25
2017/02/15 05:00	1.89	7.08	0.25
2017/02/15 05:15	1.89	7.08	0.25
2017/02/15 05:30	1.89	7.08	0.25
2017/02/15 05:45	1.89	7.08	0.25
2017/02/15 06:00	1.89	7.08	0.25
2017/02/15 06:15	1.89	7.08	0.25
2017/02/15 06:30	1.91	7.22	0.25
2017/02/15 06:45	1.91	151.87	5.28
2017/02/15 07:00	1.91	129.03	4.48
2017/02/15 07:15	2.19	191.94	5.51
2017/02/15 07:30	2.19	185.69	5.33
2017/02/15 07:45	2.21	187.29	5.33
2017/02/15 08:00	2.21	187.29	5.33
2017/02/15 08:15	2.21	187.29	5.33
2017/02/15 08:30	2.19	179.37	5.15
2017/02/15 08:45	2.15	159.93	4.72
2017/02/15 09:00	2.14	7.15	0.21
2017/02/15 09:15	2.14	7.08	0.21
2017/02/15 09:30	2.14	6.94	0.21
2017/02/15 09:45	1.91	5.35	0.19
2017/02/15 10:00	1.89	5.21	0.18
2017/02/15 10:15	1.89	5.21	0.18
2017/02/15 10:30	1.89	5.07	0.18
2017/02/15 10:45	1.83	4.72	0.18
2017/02/15 11:00	1.89	5.07	0.18
2017/02/15 11:15	1.94	5.42	0.18
2017/02/15 11:30	1.83	5.35	0.20
2017/02/15 11:45	2.12	6.74	0.20
2017/02/15 12:00	2.12	8.19	0.25
2017/02/15 12:15	2.05	15.35	0.48
2017/02/15 12:30	2.05	16.67	0.52
2017/02/15 12:45	2.05	20.97	0.66
2017/02/15 13:00	2.00	24.24	0.79
2017/02/15 13:15	2.00	24.86	0.81
2017/02/15 13:30	2.07	27.01	0.84
2017/02/15 13:45	2.00	25.76	0.84
2017/02/15 14:00	2.00	25.76	0.84
2017/02/15 14:15	1.87	21.94	0.79
2017/02/15 14:30	1.68	16.60	0.70
2017/02/15 14:45	1.68	16.60	0.70
2017/02/15 15:00	1.68	16.60	0.70


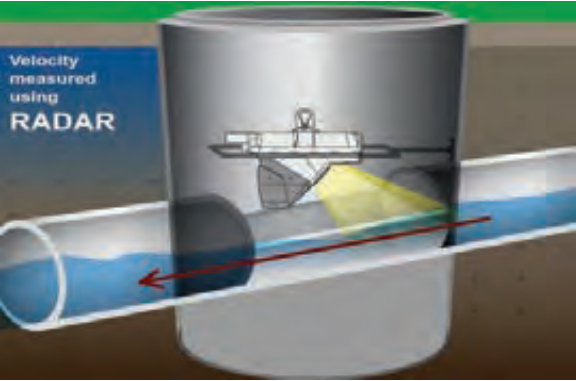

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 15:15	1.90	22.43	0.79
2017/02/15 15:30	2.03	7.78	0.25
2017/02/15 15:45	2.03	7.78	0.25
2017/02/15 16:00	2.16	8.54	0.25
2017/02/15 16:15	2.26	9.10	0.25
2017/02/15 16:30	2.30	9.31	0.25
2017/02/15 16:45	2.30	9.31	0.25
2017/02/15 17:00	2.30	9.31	0.25
2017/02/15 17:15	2.16	8.54	0.25
2017/02/15 17:30	2.01	7.71	0.25
2017/02/15 17:45	1.96	7.43	0.25
2017/02/15 18:00	2.01	7.71	0.25
2017/02/15 18:15	2.01	7.71	0.25
2017/02/15 18:30	2.01	7.71	0.25
2017/02/15 18:45	2.05	115.49	3.63
2017/02/15 19:00	2.08	122.78	3.79
2017/02/15 19:15	2.07	105.21	3.28
2017/02/15 19:30	2.07	93.33	2.91
2017/02/15 19:45	2.07	105.21	3.28
2017/02/15 20:00	1.96	91.46	3.08
2017/02/15 20:15	1.96	91.46	3.08
2017/02/15 20:30	1.90	85.35	3.00
2017/02/15 20:45	1.96	91.46	3.08
2017/02/15 21:00	1.96	91.46	3.08
2017/02/15 21:15	1.90	85.35	3.00
2017/02/15 21:30	1.86	6.87	0.25
2017/02/15 21:45	1.71	6.11	0.25
2017/02/15 22:00	1.71	6.11	0.25
2017/02/15 22:15	1.68	15.62	0.65
2017/02/15 22:30	1.68	21.11	0.88
2017/02/15 22:45	1.71	19.24	0.79
2017/02/15 23:00	1.69	122.36	5.06
2017/02/15 23:15	1.82	23.61	0.88
2017/02/15 23:30	1.82	126.87	4.74
2017/02/15 23:45	1.82	135.42	5.06
2017/02/16 00:00	1.82	135.42	5.06
2017/02/16 00:15	1.82	132.08	4.94
2017/02/16 00:30	1.94	139.37	4.74
2017/02/16 00:45	1.94	137.01	4.66
2017/02/16 01:00	1.79	111.87	4.28
2017/02/16 01:15	1.62	87.29	3.83
2017/02/16 01:30	1.58	81.81	3.73
2017/02/16 01:45	1.53	75.00	3.60
2017/02/16 02:00	1.51	73.40	3.57
2017/02/16 02:15	1.50	71.74	3.54

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 02:30	1.48	5.00	0.25
2017/02/16 02:45	1.44	4.79	0.25
2017/02/16 03:00	1.44	4.79	0.25
2017/02/16 03:15	1.43	4.72	0.25
2017/02/16 03:30	1.43	4.72	0.25
2017/02/16 03:45	1.41	4.65	0.25
2017/02/16 04:00	1.40	4.58	0.25
2017/02/16 04:15	1.40	4.58	0.25
2017/02/16 04:30	1.41	4.65	0.25
2017/02/16 04:45	1.48	5.00	0.25
2017/02/16 05:00	1.48	5.00	0.25
2017/02/16 05:15	1.48	5.00	0.25
2017/02/16 05:30	1.48	5.00	0.25
2017/02/16 05:45	1.48	5.00	0.25
2017/02/16 06:00	1.48	5.00	0.25
2017/02/16 06:15	1.48	5.00	0.25
2017/02/16 06:30	1.48	5.00	0.25
2017/02/16 06:45	1.48	5.00	0.25
2017/02/16 07:00	1.48	5.00	0.25
2017/02/16 07:15	1.79	6.53	0.25
2017/02/16 07:30	1.79	132.71	5.07
2017/02/16 07:45	1.79	124.93	4.77
2017/02/16 08:00	1.79	7.78	0.30
2017/02/16 08:15	1.79	23.96	0.92
2017/02/16 08:30	1.97	32.22	1.08
2017/02/16 08:45	2.08	29.65	0.92
2017/02/16 09:00	2.25	28.47	0.79
2017/02/16 09:15	2.09	25.76	0.79
2017/02/16 09:30	2.09	23.96	0.73
2017/02/16 09:45	2.09	23.96	0.73
2017/02/16 10:00	2.09	23.96	0.73
2017/02/16 10:15	1.84	17.36	0.64
2017/02/16 10:30	1.84	17.36	0.64
2017/02/16 10:45	1.84	17.22	0.63
2017/02/16 11:00	1.73	14.93	0.60
2017/02/16 11:15	1.84	17.22	0.63
2017/02/16 11:30	1.98	20.62	0.68
2017/02/16 11:45	2.21	26.94	0.77
2017/02/16 12:00	2.21	28.75	0.82
2017/02/16 12:15	2.21	28.75	0.82
2017/02/16 12:30	2.21	37.08	1.06
2017/02/16 12:45	2.25	38.12	1.06
2017/02/16 13:00	1.97	22.29	0.74
2017/02/16 13:15	1.91	8.82	0.31
2017/02/16 13:30	1.98	8.06	0.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 13:45	1.91	7.43	0.26
2017/02/16 14:00	1.73	5.76	0.23
2017/02/16 14:15	1.89	7.08	0.25
2017/02/16 14:30	1.91	7.43	0.26
2017/02/16 14:45	1.90	7.22	0.25
2017/02/16 15:00	1.89	7.08	0.25
2017/02/16 15:15	1.90	7.22	0.25
2017/02/16 15:30	2.05	7.92	0.25
2017/02/16 15:45	1.91	20.28	0.70
2017/02/16 16:00	2.05	26.39	0.83
2017/02/16 16:15	2.05	22.99	0.72
2017/02/16 16:30	1.96	20.62	0.69
2017/02/16 16:45	1.96	21.46	0.72
2017/02/16 17:00	1.96	21.46	0.72
2017/02/16 17:15	1.96	21.46	0.72
2017/02/16 17:30	1.94	20.42	0.69
2017/02/16 17:45	2.01	18.12	0.59
2017/02/16 18:00	2.01	9.17	0.30
2017/02/16 18:15	2.11	9.58	0.29
2017/02/16 18:30	2.01	8.47	0.27
2017/02/16 18:45	2.01	8.47	0.27
2017/02/16 19:00	2.05	8.75	0.27
2017/02/16 19:15	2.01	7.36	0.24
2017/02/16 19:30	1.91	6.46	0.22
2017/02/16 19:45	1.80	5.56	0.21
2017/02/16 20:00	1.80	5.14	0.19
2017/02/16 20:15	1.61	3.82	0.17
2017/02/16 20:30	1.58	3.68	0.17
2017/02/16 20:45	1.53	3.40	0.16
2017/02/16 21:00	1.53	3.40	0.16
2017/02/16 21:15	1.53	3.40	0.16
2017/02/16 21:30	1.53	3.40	0.16
2017/02/16 21:45	1.46	4.86	0.25
2017/02/16 22:00	1.46	4.86	0.25
2017/02/16 22:15	1.46	4.86	0.25
2017/02/16 22:30	1.73	6.25	0.25
2017/02/16 22:45	2.05	165.49	5.21
2017/02/16 23:00	2.05	155.83	4.90
2017/02/16 23:15	2.05	155.83	4.90
2017/02/16 23:30	2.05	168.19	5.29
2017/02/16 23:45	2.05	165.49	5.21
2017/02/17 00:00	2.12	176.25	5.29
2017/02/17 00:15	2.21	194.37	5.53
2017/02/17 00:30	2.21	194.37	5.53
2017/02/17 00:45	2.21	194.37	5.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 01:00	1.73	106.53	4.26
2017/02/17 01:15	1.53	77.22	3.71
2017/02/17 01:30	1.47	70.49	3.57
2017/02/17 01:45	1.47	70.49	3.57
2017/02/17 02:00	1.46	68.89	3.54
2017/02/17 02:15	1.41	4.65	0.25
2017/02/17 02:30	1.41	4.65	0.25
2017/02/17 02:45	1.41	4.65	0.25
2017/02/17 03:00	1.41	4.65	0.25
2017/02/17 03:15	1.41	4.65	0.25
2017/02/17 03:30	1.40	4.58	0.25
2017/02/17 03:45	1.40	4.58	0.25
2017/02/17 04:00	1.40	4.58	0.25
2017/02/17 04:15	1.40	4.58	0.25
2017/02/17 04:30	1.53	5.21	0.25
2017/02/17 04:45	1.54	5.28	0.25
2017/02/17 05:00	1.58	5.49	0.25
2017/02/17 05:15	1.71	6.11	0.25
2017/02/17 05:30	1.78	6.46	0.25
2017/02/17 05:45	1.84	6.81	0.25
2017/02/17 06:00	1.86	6.87	0.25
2017/02/17 06:15	1.86	6.87	0.25
2017/02/17 06:30	1.86	6.87	0.25
2017/02/17 06:45	1.82	6.67	0.25
2017/02/17 07:00	1.80	6.60	0.25
2017/02/17 07:15	1.71	6.11	0.25
2017/02/17 07:30	1.71	6.11	0.25
2017/02/17 07:45	1.71	6.11	0.25
2017/02/17 08:00	1.73	6.25	0.25
2017/02/17 08:15	2.14	7.92	0.23
2017/02/17 08:30	2.26	12.29	0.34
2017/02/17 08:45	2.26	17.57	0.48
2017/02/17 09:00	2.26	15.49	0.43
2017/02/17 09:15	2.26	15.00	0.41
2017/02/17 09:30	2.11	13.61	0.41
2017/02/17 09:45	2.05	13.12	0.41
2017/02/17 10:00	1.80	9.10	0.34
2017/02/17 10:15	1.80	9.10	0.34
2017/02/17 10:30	1.80	9.10	0.34
2017/02/17 10:45	1.93	22.43	0.77
2017/02/17 11:00	2.04	25.76	0.82
2017/02/17 11:15	2.04	25.76	0.82



David Evans		~1911 Powers St									
2017.01-02 Site 2 Powers St MH		Manhole No. 0504D									
Access: Manhole in private drive aisle		System Type: Sanitary <input checked="" type="checkbox"/> Storm <input type="checkbox"/>									
		Install Date: 1/18/2017									
Map 		Flow Meter									
		Meter Depth: 64"									
		Map Coordinates: 33.867893, -118.398648									
		Moderate open channel hydraulics									
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Avg Velocity</th> <th>Avg Measured Level</th> <th colspan="2">Multiplier</th> </tr> <tr> <td>2.25 fps</td> <td>2.5"</td> <td colspan="2">1</td> </tr> </table>		Avg Velocity	Avg Measured Level	Multiplier		2.25 fps	2.5"	1	
Avg Velocity	Avg Measured Level	Multiplier									
2.25 fps	2.5"	1									
		Gas									
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>O2</th> <th>H2S</th> <th>CO</th> <th>LEL</th> </tr> <tr> <td>20.9</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>		O2	H2S	CO	LEL	20.9	0	0	0
O2	H2S	CO	LEL								
20.9	0	0	0								
		Notes									
		Could not open MH 0503, so upstream MH was used, which had noticeable root intrusion.									
		Traffic Safety									
		No traffic near MH during installation or removal.									
		Land Use									
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Residential</th> <th>Commercial</th> <th>Industrial</th> <th>Trunk</th> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>		Residential	Commercial	Industrial	Trunk	X			
Residential	Commercial	Industrial	Trunk								
X											
		Manhole Depth 86"									
		Monitored Pipe Size 15"									
		Inner Pipe Size (In/Out) 15"/15"									
		Pipe Shape Round									
		Pipe Condition Fair									
		Manhole Material Brick									
		Silt 0									
		Velocity Profile Data *									
		Velocity Profile Taken 0.4 2-D									
		Sensor Offset 22.19"									
		Sensor Dist. to Crown 7.19"									
		Sensor Direction Upstream									
		Flow Heading South									
Technology 											
Sewer Plan 											



Meter Site Document

David Evans

2017.01-02 Site 2 Powers St MH

~1911 Powers St

Site



Manhole Hydraulics



Installation Process



Installed



MH 0504D



MH 0503





Utility Systems Science and Software

Report Date: 02/20/2017
 Customer: David Evans
 Group: Hermosa Beach
 SiteID: 2635

Statistics for 2017.01-02 Site 2 Powers St MH: 01/19/2017 thru 02/16/2017

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Total Gal	Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min		
1/19/17	111.37	171.46	42.29	0.16	0.25	0.06	2.04	2.61	1.05	2.30	2.65	1.89	160,369	0.76
1/20/17	125.56	372.29	31.60	0.18	0.54	0.05	2.01	3.41	0.92	2.38	3.79	1.69	180,806	1.29
1/21/17	100.29	154.93	27.64	0.14	0.22	0.04	1.88	2.59	0.85	2.21	2.57	1.64	144,421	
1/22/17	203.92	1601.73	38.26	0.29	2.31	0.06	2.04	3.31	1.07	3.14	15.36	1.75	293,638	3.72
Week:	135.28	1601.73	27.64	0.19	2.31	0.04	1.99	3.41	0.85	2.51	15.36	1.64	779,234	5.77
1/23/17	108.93	201.87	28.96	0.16	0.29	0.04	1.93	2.78	0.86	2.29	2.84	1.66	156,858	0.13
1/24/17	98.62	155.90	36.25	0.14	0.22	0.05	1.79	2.51	0.99	2.28	2.55	1.75	142,018	
1/25/17	97.92	159.37	37.57	0.14	0.23	0.05	1.79	2.60	0.98	2.27	2.53	1.78	141,002	
1/26/17	93.22	137.43	39.65	0.13	0.20	0.06	1.73	2.32	1.03	2.26	2.50	1.83	134,239	
1/27/17	103.44	184.79	33.12	0.15	0.27	0.05	1.87	2.75	0.90	2.27	2.69	1.78	148,954	
1/28/17	99.84	169.51	39.58	0.14	0.24	0.06	1.83	2.66	1.04	2.27	2.59	1.82	143,765	
1/29/17	99.43	161.87	30.83	0.14	0.23	0.04	1.83	2.60	0.91	2.24	2.55	1.68	143,175	
Week:	100.20	201.87	28.96	0.14	0.29	0.04	1.82	2.78	0.86	2.27	2.84	1.66	1,010,010	0.13
1/30/17	107.53	187.15	30.07	0.15	0.27	0.04	1.91	2.73	0.86	2.29	2.73	1.72	154,844	
1/31/17	102.44	185.83	36.11	0.15	0.27	0.05	1.83	2.71	0.97	2.29	2.73	1.79	147,520	
2/1/17	104.58	182.57	35.83	0.15	0.26	0.05	1.88	2.64	0.97	2.29	2.75	1.79	150,588	
2/2/17	107.49	177.64	32.01	0.15	0.26	0.05	1.92	2.67	0.89	2.29	2.68	1.75	154,779	

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/3/17	105.43	196.53	33.19	0.15	0.28	0.05	1.58	2.73	0.93	2.62	3.29	1.73	151,818	0.39
2/4/17	109.32	191.87	33.12	0.16	0.28	0.05	1.46	2.08	0.66	2.78	3.37	2.15	157,414	
2/5/17	107.26	195.90	37.08	0.15	0.28	0.05	1.31	1.99	0.72	2.98	3.80	2.25	154,448	
Week:	106.29	196.53	30.07	0.15	0.28	0.04	1.70	2.73	0.66	2.51	3.80	1.72	1,071,412	0.39
2/6/17	129.56	253.96	36.11	0.19	0.37	0.05	1.74	2.87	0.79	2.79	3.26	2.07	186,569	1.43
2/7/17	105.49	172.99	32.78	0.15	0.25	0.05	1.49	2.10	0.66	2.73	3.19	2.16	151,909	0.64
2/8/17	109.93	185.42	35.00	0.16	0.27	0.05	1.57	2.42	0.80	2.69	2.96	2.01	158,302	0.07
2/9/17	113.67	191.74	28.61	0.16	0.28	0.04	1.36	2.07	0.60	3.01	3.58	1.94	163,681	
2/10/17	110.31	238.89	34.51	0.16	0.34	0.05	1.63	2.55	0.74	2.65	3.82	2.09	158,845	0.33
2/11/17	98.71	162.43	33.12	0.14	0.23	0.05	1.67	2.53	0.69	2.41	2.62	1.97	142,149	0.01
2/12/17	106.48	167.50	34.24	0.15	0.24	0.05	1.44	2.15	0.65	2.80	3.48	2.03	153,338	
Week:	110.59	253.96	28.61	0.16	0.37	0.04	1.56	2.87	0.60	2.72	3.82	1.94	1,114,792	2.48
2/13/17	110.89	184.65	35.69	0.16	0.27	0.05	1.61	2.26	0.80	2.64	3.55	1.98	159,682	
2/14/17	105.50	172.71	35.28	0.15	0.25	0.05	1.67	2.16	0.87	2.50	3.08	1.90	151,927	
2/15/17	111.64	183.68	32.78	0.16	0.26	0.05	1.72	2.34	0.78	2.54	3.02	1.94	160,755	
2/16/17	113.22	171.53	49.44	0.16	0.25	0.07	1.77	2.26	1.09	2.54	3.05	2.04	163,037	
Week:	110.31	184.65	32.78	0.16	0.27	0.05	1.70	2.34	0.78	2.55	3.55	1.90	635,400	
Totals:	110.41	1601.73	27.64	0.16	2.31	0.04	1.73	3.41	0.60	2.51	15.36	1.64	4,610,849	8.77



Data for 2017.01-02 Site 2 Powers St MH: 1/18/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 10:59	2.30	116.87	2.18
2017/01/18 11:14	2.39	127.50	2.26
2017/01/18 11:29	2.80	172.50	2.42
2017/01/18 11:44	2.62	156.81	2.43
2017/01/18 11:59	2.57	132.15	2.11
2017/01/18 12:14	2.64	104.86	1.61
2017/01/18 12:29	2.62	146.11	2.26
2017/01/18 12:44	2.62	146.11	2.26
2017/01/18 12:59	2.62	136.32	2.11
2017/01/18 13:14	2.57	132.15	2.11
2017/01/18 13:29	2.57	131.53	2.10
2017/01/18 13:44	2.54	125.97	2.04
2017/01/18 13:59	2.51	124.03	2.04
2017/01/18 14:14	2.47	121.04	2.04
2017/01/18 14:29	2.48	125.42	2.10
2017/01/18 14:44	2.46	123.40	2.10
2017/01/18 14:59	2.40	117.01	2.06
2017/01/18 15:14	2.40	104.37	1.83
2017/01/18 15:29	2.40	105.49	1.85
2017/01/18 15:44	2.37	104.72	1.87
2017/01/18 15:59	2.37	104.72	1.87
2017/01/18 16:14	2.37	104.72	1.87
2017/01/18 16:29	2.37	103.68	1.85
2017/01/18 16:44	2.37	103.68	1.85
2017/01/18 16:59	2.37	104.72	1.87
2017/01/18 17:14	2.50	112.78	1.87
2017/01/18 17:29	2.51	118.33	1.95
2017/01/18 17:44	2.54	120.83	1.96
2017/01/18 17:59	2.54	120.21	1.95
2017/01/18 18:14	2.55	121.18	1.95
2017/01/18 18:29	2.58	123.12	1.95
2017/01/18 18:44	2.58	123.12	1.95
2017/01/18 18:59	2.58	117.57	1.86
2017/01/18 19:14	2.55	115.76	1.86
2017/01/18 19:29	2.55	115.76	1.86
2017/01/18 19:44	2.61	119.44	1.86
2017/01/18 19:59	2.72	133.12	1.95
2017/01/18 20:14	2.72	133.12	1.95
2017/01/18 20:29	2.72	139.10	2.04

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 20:44	2.72	150.07	2.20
2017/01/18 20:59	2.72	150.07	2.20
2017/01/18 21:14	2.54	139.65	2.26
2017/01/18 21:29	2.48	135.28	2.26
2017/01/18 21:44	2.48	135.28	2.26
2017/01/18 21:59	2.48	135.28	2.26
2017/01/18 22:14	2.53	126.60	2.07
2017/01/18 22:29	2.53	125.76	2.05
2017/01/18 22:44	2.53	126.60	2.07
2017/01/18 22:59	2.53	117.01	1.91
2017/01/18 23:14	2.53	114.93	1.88
2017/01/18 23:29	2.44	108.06	1.85
2017/01/18 23:44	2.41	102.57	1.79
2017/01/18 23:59	2.32	92.78	1.72
2017/01/19 00:14	2.29	91.18	1.72
2017/01/19 00:29	2.21	76.94	1.53
2017/01/19 00:44	2.08	68.96	1.49
2017/01/19 00:59	2.03	66.04	1.48
2017/01/19 01:14	2.01	59.86	1.36
2017/01/19 01:29	2.00	58.26	1.34
2017/01/19 01:44	1.98	56.87	1.32
2017/01/19 01:59	1.98	55.49	1.29
2017/01/19 02:14	1.98	46.94	1.09
2017/01/19 02:29	1.89	42.29	1.05
2017/01/19 02:44	1.89	42.29	1.05
2017/01/19 02:59	1.89	42.29	1.05
2017/01/19 03:14	2.01	47.92	1.09
2017/01/19 03:29	2.01	52.71	1.20
2017/01/19 03:44	1.98	51.67	1.20
2017/01/19 03:59	1.98	57.64	1.34
2017/01/19 04:14	1.98	57.64	1.34
2017/01/19 04:29	1.98	62.36	1.45
2017/01/19 04:44	1.98	65.49	1.52
2017/01/19 04:59	1.98	66.60	1.54
2017/01/19 05:14	2.32	101.87	1.88
2017/01/19 05:29	2.32	104.10	1.93
2017/01/19 05:44	2.32	104.10	1.93
2017/01/19 05:59	2.32	104.10	1.93
2017/01/19 06:14	2.21	96.94	1.93
2017/01/19 06:29	2.19	90.49	1.81
2017/01/19 06:44	2.19	90.49	1.81
2017/01/19 06:59	2.19	90.49	1.81
2017/01/19 07:14	2.21	91.32	1.81
2017/01/19 07:29	2.39	116.67	2.07
2017/01/19 07:44	2.47	142.85	2.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 07:59	2.55	150.69	2.42
2017/01/19 08:14	2.65	162.71	2.48
2017/01/19 08:29	2.65	168.06	2.56
2017/01/19 08:44	2.65	168.06	2.56
2017/01/19 08:59	2.55	162.08	2.61
2017/01/19 09:14	2.65	171.04	2.61
2017/01/19 09:29	2.65	171.46	2.61
2017/01/19 09:44	2.59	166.32	2.61
2017/01/19 09:59	2.51	158.68	2.61
2017/01/19 10:14	2.51	158.68	2.61
2017/01/19 10:29	2.51	158.68	2.61
2017/01/19 10:44	2.51	155.21	2.56
2017/01/19 10:59	2.44	148.54	2.55
2017/01/19 11:14	2.43	147.01	2.54
2017/01/19 11:29	2.40	143.33	2.52
2017/01/19 11:44	2.40	143.33	2.52
2017/01/19 11:59	2.37	139.65	2.50
2017/01/19 12:14	2.37	131.04	2.34
2017/01/19 12:29	2.37	131.04	2.34
2017/01/19 12:44	2.37	130.14	2.33
2017/01/19 12:59	2.37	129.24	2.31
2017/01/19 13:14	2.37	125.83	2.25
2017/01/19 13:29	2.37	122.50	2.19
2017/01/19 13:44	2.36	111.81	2.02
2017/01/19 13:59	2.36	111.81	2.02
2017/01/19 14:14	2.33	109.93	2.02
2017/01/19 14:29	2.32	111.74	2.07
2017/01/19 14:44	2.32	111.74	2.07
2017/01/19 14:59	2.32	111.74	2.07
2017/01/19 15:14	2.22	95.14	1.87
2017/01/19 15:29	2.22	105.00	2.07
2017/01/19 15:44	2.26	112.99	2.17
2017/01/19 15:59	2.26	112.99	2.17
2017/01/19 16:14	2.26	110.76	2.12
2017/01/19 16:29	2.26	110.76	2.12
2017/01/19 16:44	2.36	117.71	2.12
2017/01/19 16:59	2.37	118.75	2.12
2017/01/19 17:14	2.40	116.32	2.04
2017/01/19 17:29	2.40	116.32	2.04
2017/01/19 17:44	2.40	116.32	2.04
2017/01/19 17:59	2.39	115.35	2.04
2017/01/19 18:14	2.39	123.61	2.19
2017/01/19 18:29	2.37	122.57	2.19
2017/01/19 18:44	2.37	128.40	2.29
2017/01/19 18:59	2.37	130.62	2.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 19:14	2.34	128.40	2.33
2017/01/19 19:29	2.34	130.00	2.36
2017/01/19 19:44	2.34	131.81	2.40
2017/01/19 19:59	2.34	131.81	2.40
2017/01/19 20:14	2.34	131.81	2.40
2017/01/19 20:29	2.34	130.35	2.37
2017/01/19 20:44	2.34	130.35	2.37
2017/01/19 20:59	2.34	131.94	2.40
2017/01/19 21:14	2.34	130.35	2.37
2017/01/19 21:29	2.34	130.00	2.36
2017/01/19 21:44	2.34	127.29	2.31
2017/01/19 21:59	2.37	129.51	2.31
2017/01/19 22:14	2.37	129.51	2.31
2017/01/19 22:29	2.39	125.00	2.22
2017/01/19 22:44	2.37	123.54	2.21
2017/01/19 22:59	2.37	120.97	2.16
2017/01/19 23:14	2.32	116.46	2.15
2017/01/19 23:29	2.32	88.61	1.64
2017/01/19 23:44	2.23	80.76	1.58
2017/01/19 23:59	2.11	74.31	1.58
2017/01/20 00:14	2.11	74.31	1.58
2017/01/20 00:29	1.93	65.21	1.58
2017/01/20 00:44	1.91	64.58	1.58
2017/01/20 00:59	1.90	63.89	1.58
2017/01/20 01:14	1.87	59.31	1.50
2017/01/20 01:29	1.86	50.97	1.30
2017/01/20 01:44	1.83	47.15	1.23
2017/01/20 01:59	1.79	45.49	1.23
2017/01/20 02:14	1.78	44.72	1.22
2017/01/20 02:29	1.72	40.14	1.15
2017/01/20 02:44	1.71	36.94	1.07
2017/01/20 02:59	1.71	35.83	1.04
2017/01/20 03:14	1.69	35.42	1.04
2017/01/20 03:29	1.69	31.60	0.92
2017/01/20 03:44	1.69	31.60	0.92
2017/01/20 03:59	1.69	31.60	0.92
2017/01/20 04:14	1.69	31.60	0.92
2017/01/20 04:29	1.69	31.60	0.92
2017/01/20 04:44	1.71	37.01	1.07
2017/01/20 04:59	1.72	37.85	1.08
2017/01/20 05:14	1.73	42.71	1.21
2017/01/20 05:29	1.83	47.64	1.24
2017/01/20 05:44	1.83	49.10	1.28
2017/01/20 05:59	1.84	54.10	1.39
2017/01/20 06:14	1.89	56.25	1.40

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 06:29	1.93	62.43	1.51
2017/01/20 06:44	1.97	70.07	1.64
2017/01/20 06:59	1.98	75.07	1.74
2017/01/20 07:14	2.25	110.28	2.13
2017/01/20 07:29	2.33	129.51	2.38
2017/01/20 07:44	2.72	184.72	2.71
2017/01/20 07:59	2.80	197.36	2.77
2017/01/20 08:14	2.80	197.36	2.77
2017/01/20 08:29	2.80	197.36	2.77
2017/01/20 08:44	2.80	197.36	2.77
2017/01/20 08:59	2.80	197.36	2.77
2017/01/20 09:14	2.80	197.36	2.77
2017/01/20 09:29	2.80	192.78	2.71
2017/01/20 09:44	2.73	175.42	2.56
2017/01/20 09:59	2.86	187.01	2.56
2017/01/20 10:14	2.87	186.39	2.53
2017/01/20 10:29	2.87	186.39	2.53
2017/01/20 10:44	3.04	202.08	2.53
2017/01/20 10:59	3.04	202.08	2.53
2017/01/20 11:14	3.23	222.15	2.55
2017/01/20 11:29	3.25	245.35	2.79
2017/01/20 11:44	3.30	275.90	3.07
2017/01/20 11:59	3.37	289.65	3.13
2017/01/20 12:14	3.72	356.80	3.35
2017/01/20 12:29	3.79	372.29	3.41
2017/01/20 12:44	3.79	372.29	3.41
2017/01/20 12:59	3.79	372.29	3.41
2017/01/20 13:14	3.79	372.29	3.41
2017/01/20 13:29	2.61	166.87	2.60
2017/01/20 13:44	2.61	155.56	2.42
2017/01/20 13:59	2.57	149.37	2.38
2017/01/20 14:14	2.46	133.75	2.28
2017/01/20 14:29	2.46	130.35	2.22
2017/01/20 14:44	2.46	130.35	2.22
2017/01/20 14:59	2.46	128.82	2.19
2017/01/20 15:14	2.40	114.44	2.01
2017/01/20 15:29	2.40	111.39	1.96
2017/01/20 15:44	2.26	101.94	1.95
2017/01/20 15:59	2.26	101.94	1.95
2017/01/20 16:14	2.26	90.00	1.72
2017/01/20 16:29	2.26	90.00	1.72
2017/01/20 16:44	2.26	100.56	1.93
2017/01/20 16:59	2.22	97.92	1.93
2017/01/20 17:14	2.40	109.65	1.93
2017/01/20 17:29	2.40	110.69	1.95

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 17:44	2.37	107.78	1.93
2017/01/20 17:59	2.37	107.78	1.93
2017/01/20 18:14	2.37	90.28	1.61
2017/01/20 18:29	2.37	90.28	1.61
2017/01/20 18:44	2.39	109.72	1.95
2017/01/20 18:59	2.39	109.72	1.95
2017/01/20 19:14	2.43	119.31	2.06
2017/01/20 19:29	2.43	124.86	2.16
2017/01/20 19:44	2.44	125.90	2.16
2017/01/20 19:59	2.44	126.81	2.17
2017/01/20 20:14	2.44	126.81	2.17
2017/01/20 20:29	2.44	126.81	2.17
2017/01/20 20:44	2.43	125.76	2.17
2017/01/20 20:59	2.46	132.08	2.25
2017/01/20 21:14	2.46	132.08	2.25
2017/01/20 21:29	2.46	132.08	2.25
2017/01/20 21:44	2.43	114.03	1.97
2017/01/20 21:59	2.32	106.60	1.97
2017/01/20 22:14	2.28	102.71	1.95
2017/01/20 22:29	2.28	103.82	1.97
2017/01/20 22:44	2.26	97.92	1.88
2017/01/20 22:59	2.25	96.32	1.86
2017/01/20 23:14	2.19	92.85	1.86
2017/01/20 23:29	2.15	88.75	1.83
2017/01/20 23:44	2.15	84.37	1.74
2017/01/20 23:59	2.09	80.69	1.73
2017/01/21 00:14	2.09	78.96	1.69
2017/01/21 00:29	2.01	74.44	1.69
2017/01/21 00:44	2.01	74.17	1.68
2017/01/21 00:59	1.97	71.94	1.68
2017/01/21 01:14	1.97	71.94	1.68
2017/01/21 01:29	1.97	64.10	1.50
2017/01/21 01:44	1.90	53.26	1.31
2017/01/21 01:59	1.90	53.12	1.31
2017/01/21 02:14	1.90	51.81	1.28
2017/01/21 02:29	1.86	50.07	1.28
2017/01/21 02:44	1.84	47.64	1.23
2017/01/21 02:59	1.84	45.69	1.18
2017/01/21 03:14	1.84	45.49	1.17
2017/01/21 03:29	1.72	39.31	1.12
2017/01/21 03:44	1.71	31.25	0.90
2017/01/21 03:59	1.64	27.71	0.85
2017/01/21 04:14	1.64	27.71	0.85
2017/01/21 04:29	1.64	27.64	0.85
2017/01/21 04:44	1.64	27.71	0.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 04:59	1.66	30.14	0.90
2017/01/21 05:14	1.68	31.74	0.94
2017/01/21 05:29	1.68	33.54	0.99
2017/01/21 05:44	1.68	33.54	0.99
2017/01/21 05:59	1.68	33.54	0.99
2017/01/21 06:14	1.75	41.53	1.16
2017/01/21 06:29	1.75	41.67	1.16
2017/01/21 06:44	1.79	43.75	1.18
2017/01/21 06:59	1.80	44.37	1.18
2017/01/21 07:14	1.83	47.64	1.24
2017/01/21 07:29	1.90	60.28	1.49
2017/01/21 07:44	2.07	69.17	1.51
2017/01/21 07:59	2.15	77.29	1.59
2017/01/21 08:14	2.19	86.67	1.74
2017/01/21 08:29	2.32	106.46	1.97
2017/01/21 08:44	2.33	122.85	2.25
2017/01/21 08:59	2.34	125.76	2.29
2017/01/21 09:14	2.36	138.26	2.49
2017/01/21 09:29	2.41	143.47	2.50
2017/01/21 09:44	2.43	144.65	2.50
2017/01/21 09:59	2.44	147.57	2.53
2017/01/21 10:14	2.44	148.96	2.55
2017/01/21 10:29	2.44	148.96	2.55
2017/01/21 10:44	2.44	148.96	2.55
2017/01/21 10:59	2.46	152.43	2.59
2017/01/21 11:14	2.48	154.93	2.59
2017/01/21 11:29	2.48	154.93	2.59
2017/01/21 11:44	2.46	152.36	2.59
2017/01/21 11:59	2.48	154.86	2.59
2017/01/21 12:14	2.48	154.37	2.58
2017/01/21 12:29	2.46	151.11	2.57
2017/01/21 12:44	2.44	144.51	2.48
2017/01/21 12:59	2.44	144.51	2.48
2017/01/21 13:14	2.44	144.51	2.48
2017/01/21 13:29	2.44	138.06	2.37
2017/01/21 13:44	2.40	134.44	2.36
2017/01/21 13:59	2.40	134.44	2.36
2017/01/21 14:14	2.40	136.81	2.40
2017/01/21 14:29	2.40	136.81	2.40
2017/01/21 14:44	2.40	132.01	2.32
2017/01/21 14:59	2.40	126.67	2.23
2017/01/21 15:14	2.40	119.65	2.10
2017/01/21 15:29	2.40	119.65	2.10
2017/01/21 15:44	2.34	115.62	2.10
2017/01/21 15:59	2.34	115.62	2.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 16:14	2.34	125.28	2.28
2017/01/21 16:29	2.39	128.54	2.28
2017/01/21 16:44	2.39	128.54	2.28
2017/01/21 16:59	2.43	135.07	2.33
2017/01/21 17:14	2.43	135.07	2.33
2017/01/21 17:29	2.43	135.07	2.33
2017/01/21 17:44	2.43	137.85	2.38
2017/01/21 17:59	2.47	141.32	2.38
2017/01/21 18:14	2.47	143.12	2.41
2017/01/21 18:29	2.47	143.12	2.41
2017/01/21 18:44	2.47	141.32	2.38
2017/01/21 18:59	2.43	131.67	2.28
2017/01/21 19:14	2.44	121.32	2.08
2017/01/21 19:29	2.47	123.26	2.08
2017/01/21 19:44	2.44	121.32	2.08
2017/01/21 19:59	2.44	119.79	2.05
2017/01/21 20:14	2.44	96.53	1.66
2017/01/21 20:29	2.48	122.50	2.05
2017/01/21 20:44	2.51	124.44	2.05
2017/01/21 20:59	2.51	112.78	1.86
2017/01/21 21:14	2.48	98.06	1.64
2017/01/21 21:29	2.57	102.85	1.64
2017/01/21 21:44	2.48	98.06	1.64
2017/01/21 21:59	2.40	105.62	1.86
2017/01/21 22:14	2.37	91.74	1.64
2017/01/21 22:29	2.26	96.94	1.86
2017/01/21 22:44	2.26	84.37	1.62
2017/01/21 22:59	2.25	98.33	1.90
2017/01/21 23:14	2.22	96.60	1.90
2017/01/21 23:29	2.22	93.12	1.83
2017/01/21 23:44	2.22	82.85	1.63
2017/01/21 23:59	2.12	78.61	1.65
2017/01/22 00:14	2.12	77.64	1.63
2017/01/22 00:29	2.12	77.64	1.63
2017/01/22 00:44	2.09	73.06	1.56
2017/01/22 00:59	2.00	65.00	1.49
2017/01/22 01:14	2.00	65.00	1.49
2017/01/22 01:29	1.96	61.87	1.46
2017/01/22 01:44	1.94	60.42	1.45
2017/01/22 01:59	1.94	56.32	1.35
2017/01/22 02:14	1.90	52.71	1.30
2017/01/22 02:29	1.90	51.04	1.26
2017/01/22 02:44	1.87	48.06	1.21
2017/01/22 02:59	1.87	46.74	1.18
2017/01/22 03:14	1.80	43.61	1.16

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 03:29	1.78	42.29	1.15
2017/01/22 03:44	1.78	40.14	1.09
2017/01/22 03:59	1.75	38.26	1.07
2017/01/22 04:14	1.75	38.26	1.07
2017/01/22 04:29	1.75	38.26	1.07
2017/01/22 04:44	1.78	39.17	1.07
2017/01/22 04:59	1.80	40.00	1.07
2017/01/22 05:14	1.80	42.29	1.13
2017/01/22 05:29	1.84	45.56	1.17
2017/01/22 05:44	1.84	45.56	1.17
2017/01/22 05:59	1.86	46.67	1.19
2017/01/22 06:14	1.86	46.67	1.19
2017/01/22 06:29	1.86	47.85	1.22
2017/01/22 06:44	1.86	48.68	1.24
2017/01/22 06:59	1.93	51.67	1.25
2017/01/22 07:14	1.94	52.43	1.25
2017/01/22 07:29	1.94	56.18	1.34
2017/01/22 07:44	1.97	60.35	1.41
2017/01/22 07:59	1.98	63.89	1.48
2017/01/22 08:14	2.08	68.96	1.49
2017/01/22 08:29	2.21	85.21	1.69
2017/01/22 08:44	2.34	106.67	1.94
2017/01/22 08:59	2.41	118.06	2.06
2017/01/22 09:14	2.47	124.03	2.09
2017/01/22 09:29	2.47	125.28	2.11
2017/01/22 09:44	2.50	129.24	2.15
2017/01/22 09:59	2.53	147.85	2.42
2017/01/22 10:14	2.64	157.36	2.42
2017/01/22 10:29	2.71	163.33	2.42
2017/01/22 10:44	2.80	185.76	2.61
2017/01/22 10:59	2.83	189.24	2.62
2017/01/22 11:14	2.84	190.62	2.62
2017/01/22 11:29	2.84	194.24	2.67
2017/01/22 11:44	2.96	211.87	2.76
2017/01/22 11:59	2.97	216.25	2.80
2017/01/22 12:14	2.97	217.78	2.82
2017/01/22 12:29	3.12	252.36	3.04
2017/01/22 12:44	3.15	260.49	3.10
2017/01/22 12:59	3.29	279.03	3.12
2017/01/22 13:14	3.40	296.11	3.16
2017/01/22 13:29	3.52	318.12	3.22
2017/01/22 13:44	3.52	321.11	3.25
2017/01/22 13:59	3.54	324.58	3.27
2017/01/22 14:14	3.57	329.58	3.29
2017/01/22 14:29	3.58	333.82	3.31

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 14:44	3.73	354.17	3.31
2017/01/22 14:59	3.86	370.97	3.31
2017/01/22 15:14	3.93	380.35	3.31
2017/01/22 15:29	15.36	1601.73	2.91
2017/01/22 15:44	15.36	1584.16	2.88
2017/01/22 15:59	15.36	1496.87	2.72
2017/01/22 16:14	15.36	1221.66	2.22
2017/01/22 16:29	12.86	1230.69	2.45
2017/01/22 16:44	6.89	548.05	2.22
2017/01/22 16:59	4.29	288.75	2.22
2017/01/22 17:14	2.59	141.46	2.22
2017/01/22 17:29	2.58	140.35	2.22
2017/01/22 17:44	2.58	140.35	2.22
2017/01/22 17:59	2.58	141.18	2.24
2017/01/22 18:14	2.55	137.01	2.20
2017/01/22 18:29	2.54	135.97	2.20
2017/01/22 18:44	2.54	135.97	2.20
2017/01/22 18:59	2.53	134.86	2.20
2017/01/22 19:14	2.53	134.86	2.20
2017/01/22 19:29	2.53	137.15	2.24
2017/01/22 19:44	2.51	136.04	2.24
2017/01/22 19:59	2.51	140.76	2.32
2017/01/22 20:14	2.48	138.54	2.32
2017/01/22 20:29	2.48	138.54	2.32
2017/01/22 20:44	2.48	137.08	2.29
2017/01/22 20:59	2.48	137.08	2.29
2017/01/22 21:14	2.48	137.08	2.29
2017/01/22 21:29	2.48	137.08	2.29
2017/01/22 21:44	2.46	133.54	2.27
2017/01/22 21:59	2.46	128.12	2.18
2017/01/22 22:14	2.43	126.04	2.18
2017/01/22 22:29	2.39	106.67	1.89
2017/01/22 22:44	2.30	99.51	1.86
2017/01/22 22:59	2.30	86.32	1.61
2017/01/22 23:14	2.30	81.67	1.52
2017/01/22 23:29	2.30	81.67	1.52
2017/01/22 23:44	2.30	81.67	1.52
2017/01/22 23:59	2.30	81.67	1.52
2017/01/23 00:14	2.30	81.60	1.52
2017/01/23 00:29	2.18	73.06	1.48
2017/01/23 00:44	2.16	72.43	1.48
2017/01/23 00:59	2.04	66.39	1.48
2017/01/23 01:14	2.03	60.69	1.37
2017/01/23 01:29	1.90	47.29	1.17
2017/01/23 01:44	1.87	44.65	1.13

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 01:59	1.82	41.74	1.10
2017/01/23 02:14	1.79	40.07	1.08
2017/01/23 02:29	1.79	36.04	0.97
2017/01/23 02:44	1.78	33.96	0.93
2017/01/23 02:59	1.72	31.74	0.91
2017/01/23 03:14	1.72	30.35	0.87
2017/01/23 03:29	1.71	29.65	0.86
2017/01/23 03:44	1.71	29.65	0.86
2017/01/23 03:59	1.71	30.00	0.87
2017/01/23 04:14	1.68	29.31	0.87
2017/01/23 04:29	1.66	28.96	0.87
2017/01/23 04:44	1.66	29.37	0.88
2017/01/23 04:59	1.68	29.86	0.88
2017/01/23 05:14	1.72	31.94	0.91
2017/01/23 05:29	1.75	35.97	1.00
2017/01/23 05:44	1.78	40.62	1.11
2017/01/23 05:59	1.83	43.61	1.14
2017/01/23 06:14	1.87	47.29	1.19
2017/01/23 06:29	1.90	50.42	1.24
2017/01/23 06:44	1.98	64.31	1.49
2017/01/23 06:59	2.09	80.97	1.73
2017/01/23 07:14	2.29	98.06	1.85
2017/01/23 07:29	2.29	106.04	2.00
2017/01/23 07:44	2.39	124.03	2.20
2017/01/23 07:59	2.41	139.37	2.43
2017/01/23 08:14	2.66	178.89	2.71
2017/01/23 08:29	2.84	201.87	2.78
2017/01/23 08:44	2.84	201.87	2.78
2017/01/23 08:59	2.84	201.87	2.78
2017/01/23 09:14	2.84	201.87	2.78
2017/01/23 09:29	2.69	174.65	2.60
2017/01/23 09:44	2.61	164.65	2.57
2017/01/23 09:59	2.61	164.65	2.57
2017/01/23 10:14	2.57	157.50	2.51
2017/01/23 10:29	2.55	155.90	2.51
2017/01/23 10:44	2.55	155.42	2.50
2017/01/23 10:59	2.54	154.72	2.51
2017/01/23 11:14	2.50	147.71	2.45
2017/01/23 11:29	2.48	146.53	2.45
2017/01/23 11:44	2.48	146.53	2.45
2017/01/23 11:59	2.46	144.17	2.45
2017/01/23 12:14	2.44	142.99	2.45
2017/01/23 12:29	2.44	142.99	2.45
2017/01/23 12:44	2.44	140.90	2.42
2017/01/23 12:59	2.44	137.22	2.35

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 13:14	2.44	137.22	2.35
2017/01/23 13:29	2.47	139.51	2.35
2017/01/23 13:44	2.47	139.51	2.35
2017/01/23 13:59	2.47	137.01	2.31
2017/01/23 14:14	2.47	137.01	2.31
2017/01/23 14:29	2.47	135.76	2.29
2017/01/23 14:44	2.48	135.14	2.26
2017/01/23 14:59	2.47	134.03	2.26
2017/01/23 15:14	2.47	132.92	2.24
2017/01/23 15:29	2.47	130.07	2.19
2017/01/23 15:44	2.46	121.94	2.07
2017/01/23 15:59	2.30	105.14	1.96
2017/01/23 16:14	2.30	104.17	1.94
2017/01/23 16:29	2.30	104.17	1.94
2017/01/23 16:44	2.30	104.17	1.94
2017/01/23 16:59	2.33	105.97	1.94
2017/01/23 17:14	2.44	114.44	1.96
2017/01/23 17:29	2.44	114.44	1.96
2017/01/23 17:44	2.46	122.57	2.08
2017/01/23 17:59	2.44	121.60	2.08
2017/01/23 18:14	2.44	128.61	2.20
2017/01/23 18:29	2.44	128.61	2.20
2017/01/23 18:44	2.44	135.62	2.33
2017/01/23 18:59	2.44	135.62	2.33
2017/01/23 19:14	2.44	135.62	2.33
2017/01/23 19:29	2.44	135.83	2.33
2017/01/23 19:44	2.46	137.36	2.34
2017/01/23 19:59	2.48	139.65	2.34
2017/01/23 20:14	2.50	140.76	2.34
2017/01/23 20:29	2.53	142.99	2.34
2017/01/23 20:44	2.53	142.99	2.34
2017/01/23 20:59	2.53	144.51	2.36
2017/01/23 21:14	2.51	143.33	2.36
2017/01/23 21:29	2.48	141.11	2.36
2017/01/23 21:44	2.48	141.11	2.36
2017/01/23 21:59	2.44	116.94	2.01
2017/01/23 22:14	2.44	116.94	2.01
2017/01/23 22:29	2.44	116.53	2.00
2017/01/23 22:44	2.40	107.01	1.88
2017/01/23 22:59	2.37	101.67	1.82
2017/01/23 23:14	2.32	97.92	1.81
2017/01/23 23:29	2.32	89.03	1.65
2017/01/23 23:44	2.28	86.67	1.65
2017/01/23 23:59	2.25	81.60	1.58
2017/01/24 00:14	2.19	78.68	1.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 00:29	2.09	72.29	1.55
2017/01/24 00:44	2.07	70.00	1.53
2017/01/24 00:59	2.04	66.87	1.49
2017/01/24 01:14	2.03	63.89	1.44
2017/01/24 01:29	1.96	56.60	1.34
2017/01/24 01:44	1.89	49.86	1.24
2017/01/24 01:59	1.83	43.61	1.14
2017/01/24 02:14	1.82	41.18	1.08
2017/01/24 02:29	1.82	40.83	1.08
2017/01/24 02:44	1.75	38.40	1.07
2017/01/24 02:59	1.75	36.74	1.02
2017/01/24 03:14	1.75	36.25	1.01
2017/01/24 03:29	1.75	36.25	1.01
2017/01/24 03:44	1.79	36.74	0.99
2017/01/24 03:59	1.79	37.99	1.02
2017/01/24 04:14	1.79	37.99	1.02
2017/01/24 04:29	1.80	38.40	1.02
2017/01/24 04:44	1.83	40.42	1.05
2017/01/24 04:59	1.83	40.90	1.07
2017/01/24 05:14	1.83	42.08	1.10
2017/01/24 05:29	1.87	44.31	1.12
2017/01/24 05:44	1.93	46.25	1.12
2017/01/24 05:59	1.98	48.19	1.12
2017/01/24 06:14	2.00	51.53	1.18
2017/01/24 06:29	2.00	52.71	1.21
2017/01/24 06:44	2.01	55.00	1.25
2017/01/24 06:59	2.23	65.00	1.27
2017/01/24 07:14	2.32	75.21	1.39
2017/01/24 07:29	2.34	88.33	1.61
2017/01/24 07:44	2.44	116.67	2.00
2017/01/24 07:59	2.47	119.86	2.02
2017/01/24 08:14	2.48	144.17	2.41
2017/01/24 08:29	2.50	150.97	2.51
2017/01/24 08:44	2.53	153.40	2.51
2017/01/24 08:59	2.55	155.90	2.51
2017/01/24 09:14	2.55	155.83	2.51
2017/01/24 09:29	2.53	149.58	2.44
2017/01/24 09:44	2.53	149.58	2.44
2017/01/24 09:59	2.53	149.58	2.44
2017/01/24 10:14	2.53	149.58	2.44
2017/01/24 10:29	2.50	147.29	2.44
2017/01/24 10:44	2.50	147.15	2.44
2017/01/24 10:59	2.50	146.74	2.44
2017/01/24 11:14	2.47	144.93	2.44
2017/01/24 11:29	2.51	148.47	2.44

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 11:44	2.50	146.74	2.44
2017/01/24 11:59	2.50	132.29	2.20
2017/01/24 12:14	2.50	132.29	2.20
2017/01/24 12:29	2.50	131.53	2.18
2017/01/24 12:44	2.50	130.28	2.16
2017/01/24 12:59	2.50	130.21	2.16
2017/01/24 13:14	2.48	124.31	2.08
2017/01/24 13:29	2.48	124.31	2.08
2017/01/24 13:44	2.47	123.12	2.08
2017/01/24 13:59	2.47	106.39	1.79
2017/01/24 14:14	2.46	103.26	1.76
2017/01/24 14:29	2.33	95.76	1.76
2017/01/24 14:44	2.33	97.85	1.79
2017/01/24 14:59	2.30	96.18	1.79
2017/01/24 15:14	2.28	85.14	1.62
2017/01/24 15:29	2.26	84.37	1.62
2017/01/24 15:44	2.28	85.14	1.62
2017/01/24 15:59	2.28	84.31	1.60
2017/01/24 16:14	2.26	83.54	1.60
2017/01/24 16:29	2.26	83.54	1.60
2017/01/24 16:44	2.26	86.87	1.66
2017/01/24 16:59	2.25	87.22	1.69
2017/01/24 17:14	2.25	87.22	1.69
2017/01/24 17:29	2.25	87.22	1.69
2017/01/24 17:44	2.25	87.22	1.69
2017/01/24 17:59	2.25	87.22	1.69
2017/01/24 18:14	2.29	89.58	1.69
2017/01/24 18:29	2.29	86.87	1.64
2017/01/24 18:44	2.29	86.87	1.64
2017/01/24 18:59	2.29	86.87	1.64
2017/01/24 19:14	2.32	92.22	1.71
2017/01/24 19:29	2.34	93.82	1.71
2017/01/24 19:44	2.41	99.24	1.73
2017/01/24 19:59	2.48	114.24	1.91
2017/01/24 20:14	2.48	129.03	2.16
2017/01/24 20:29	2.48	137.43	2.30
2017/01/24 20:44	2.53	140.76	2.30
2017/01/24 20:59	2.53	151.87	2.48
2017/01/24 21:14	2.54	143.75	2.33
2017/01/24 21:29	2.54	143.75	2.33
2017/01/24 21:44	2.54	143.75	2.33
2017/01/24 21:59	2.54	143.75	2.33
2017/01/24 22:14	2.55	143.68	2.31
2017/01/24 22:29	2.55	143.68	2.31
2017/01/24 22:44	2.54	133.89	2.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 22:59	2.51	123.33	2.03
2017/01/24 23:14	2.51	123.33	2.03
2017/01/24 23:29	2.51	122.99	2.02
2017/01/24 23:44	2.48	120.35	2.01
2017/01/24 23:59	2.39	107.08	1.90
2017/01/25 00:14	2.37	94.37	1.69
2017/01/25 00:29	2.33	89.10	1.63
2017/01/25 00:44	2.28	85.00	1.61
2017/01/25 00:59	2.25	81.94	1.58
2017/01/25 01:14	2.14	75.62	1.57
2017/01/25 01:29	2.04	62.57	1.39
2017/01/25 01:44	2.01	55.90	1.27
2017/01/25 01:59	1.89	43.89	1.09
2017/01/25 02:14	1.83	42.01	1.09
2017/01/25 02:29	1.83	39.44	1.03
2017/01/25 02:44	1.82	38.82	1.02
2017/01/25 02:59	1.78	37.57	1.02
2017/01/25 03:14	1.78	37.57	1.02
2017/01/25 03:29	1.78	37.57	1.02
2017/01/25 03:44	1.78	37.57	1.02
2017/01/25 03:59	1.79	37.99	1.02
2017/01/25 04:14	1.80	38.40	1.02
2017/01/25 04:29	1.80	38.40	1.02
2017/01/25 04:44	1.83	38.75	1.01
2017/01/25 04:59	1.83	37.78	0.98
2017/01/25 05:14	1.84	38.19	0.98
2017/01/25 05:29	1.84	39.17	1.01
2017/01/25 05:44	1.84	39.17	1.01
2017/01/25 05:59	1.91	47.85	1.17
2017/01/25 06:14	1.94	51.53	1.23
2017/01/25 06:29	2.00	54.03	1.24
2017/01/25 06:44	2.04	57.01	1.27
2017/01/25 06:59	2.04	60.56	1.35
2017/01/25 07:14	2.05	61.87	1.36
2017/01/25 07:29	2.26	72.71	1.39
2017/01/25 07:44	2.28	78.47	1.49
2017/01/25 07:59	2.32	92.22	1.71
2017/01/25 08:14	2.43	105.76	1.83
2017/01/25 08:29	2.46	131.81	2.24
2017/01/25 08:44	2.47	138.40	2.33
2017/01/25 08:59	2.47	144.31	2.43
2017/01/25 09:14	2.47	146.81	2.48
2017/01/25 09:29	2.46	145.62	2.48
2017/01/25 09:44	2.47	147.01	2.48
2017/01/25 09:59	2.48	148.19	2.48

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 10:14	2.48	151.46	2.53
2017/01/25 10:29	2.47	150.28	2.53
2017/01/25 10:44	2.47	146.81	2.48
2017/01/25 10:59	2.47	151.18	2.55
2017/01/25 11:14	2.50	154.51	2.57
2017/01/25 11:29	2.50	154.51	2.57
2017/01/25 11:44	2.53	157.01	2.57
2017/01/25 11:59	2.53	157.01	2.57
2017/01/25 12:14	2.53	151.25	2.47
2017/01/25 12:29	2.53	159.37	2.60
2017/01/25 12:44	2.47	146.46	2.47
2017/01/25 12:59	2.47	144.72	2.44
2017/01/25 13:14	2.47	142.08	2.40
2017/01/25 13:29	2.47	138.68	2.34
2017/01/25 13:44	2.47	129.03	2.18
2017/01/25 13:59	2.48	129.03	2.16
2017/01/25 14:14	2.48	127.50	2.13
2017/01/25 14:29	2.48	125.56	2.10
2017/01/25 14:44	2.48	120.49	2.02
2017/01/25 14:59	2.47	116.18	1.96
2017/01/25 15:14	2.37	104.79	1.87
2017/01/25 15:29	2.36	103.26	1.86
2017/01/25 15:44	2.36	103.26	1.86
2017/01/25 15:59	2.36	103.26	1.86
2017/01/25 16:14	2.33	98.82	1.81
2017/01/25 16:29	2.30	97.15	1.81
2017/01/25 16:44	2.30	97.15	1.81
2017/01/25 16:59	2.30	97.22	1.81
2017/01/25 17:14	2.30	97.22	1.81
2017/01/25 17:29	2.29	96.39	1.81
2017/01/25 17:44	2.29	91.74	1.73
2017/01/25 17:59	2.29	80.90	1.52
2017/01/25 18:14	2.29	96.39	1.81
2017/01/25 18:29	2.29	80.90	1.52
2017/01/25 18:44	2.29	80.90	1.52
2017/01/25 18:59	2.32	98.47	1.82
2017/01/25 19:14	2.34	85.00	1.55
2017/01/25 19:29	2.36	100.90	1.82
2017/01/25 19:44	2.36	105.76	1.91
2017/01/25 19:59	2.36	111.32	2.01
2017/01/25 20:14	2.40	114.17	2.01
2017/01/25 20:29	2.36	105.90	1.91
2017/01/25 20:44	2.47	107.85	1.82
2017/01/25 20:59	2.47	111.60	1.88
2017/01/25 21:14	2.50	115.00	1.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 21:29	2.50	114.31	1.90
2017/01/25 21:44	2.50	114.31	1.90
2017/01/25 21:59	2.51	114.37	1.88
2017/01/25 22:14	2.51	115.21	1.90
2017/01/25 22:29	2.51	123.06	2.03
2017/01/25 22:44	2.51	123.06	2.03
2017/01/25 22:59	2.46	111.53	1.90
2017/01/25 23:14	2.34	101.32	1.84
2017/01/25 23:29	2.34	99.51	1.81
2017/01/25 23:44	2.32	97.85	1.81
2017/01/25 23:59	2.32	96.18	1.78
2017/01/26 00:14	2.32	96.18	1.78
2017/01/26 00:29	2.32	91.46	1.69
2017/01/26 00:44	2.32	90.97	1.68
2017/01/26 00:59	2.32	90.97	1.68
2017/01/26 01:14	2.21	84.10	1.67
2017/01/26 01:29	2.11	76.53	1.62
2017/01/26 01:44	2.08	75.97	1.64
2017/01/26 01:59	1.96	68.06	1.61
2017/01/26 02:14	1.96	68.06	1.61
2017/01/26 02:29	1.94	63.82	1.53
2017/01/26 02:44	1.90	51.11	1.26
2017/01/26 02:59	1.87	48.68	1.23
2017/01/26 03:14	1.87	42.15	1.06
2017/01/26 03:29	1.86	40.97	1.04
2017/01/26 03:44	1.86	40.97	1.04
2017/01/26 03:59	1.83	39.65	1.03
2017/01/26 04:14	1.83	39.65	1.03
2017/01/26 04:29	1.84	40.07	1.03
2017/01/26 04:44	1.84	40.07	1.03
2017/01/26 04:59	1.86	42.29	1.08
2017/01/26 05:14	1.86	42.29	1.08
2017/01/26 05:29	1.86	42.29	1.08
2017/01/26 05:44	1.86	42.78	1.09
2017/01/26 05:59	1.89	44.58	1.11
2017/01/26 06:14	1.96	50.56	1.20
2017/01/26 06:29	1.96	54.86	1.30
2017/01/26 06:44	2.04	59.86	1.33
2017/01/26 06:59	2.07	68.40	1.49
2017/01/26 07:14	2.11	72.64	1.54
2017/01/26 07:29	2.12	79.86	1.68
2017/01/26 07:44	2.30	92.57	1.73
2017/01/26 07:59	2.43	104.44	1.81
2017/01/26 08:14	2.44	111.94	1.92
2017/01/26 08:29	2.46	112.85	1.92

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 08:44	2.44	122.99	2.11
2017/01/26 08:59	2.44	125.49	2.15
2017/01/26 09:14	2.44	131.46	2.25
2017/01/26 09:29	2.44	132.08	2.26
2017/01/26 09:44	2.44	131.46	2.25
2017/01/26 09:59	2.47	133.61	2.25
2017/01/26 10:14	2.44	135.21	2.32
2017/01/26 10:29	2.44	135.21	2.32
2017/01/26 10:44	2.47	133.61	2.25
2017/01/26 10:59	2.44	135.21	2.32
2017/01/26 11:14	2.44	130.14	2.23
2017/01/26 11:29	2.44	129.31	2.22
2017/01/26 11:44	2.44	117.50	2.01
2017/01/26 11:59	2.44	117.50	2.01
2017/01/26 12:14	2.44	108.75	1.86
2017/01/26 12:29	2.43	107.85	1.86
2017/01/26 12:44	2.40	100.00	1.76
2017/01/26 12:59	2.33	95.69	1.75
2017/01/26 13:14	2.32	94.86	1.75
2017/01/26 13:29	2.32	89.51	1.66
2017/01/26 13:44	2.30	88.68	1.66
2017/01/26 13:59	2.30	87.29	1.63
2017/01/26 14:14	2.30	87.29	1.63
2017/01/26 14:29	2.30	87.29	1.63
2017/01/26 14:44	2.29	86.60	1.63
2017/01/26 14:59	2.29	87.92	1.66
2017/01/26 15:14	2.28	78.96	1.50
2017/01/26 15:29	2.29	79.65	1.50
2017/01/26 15:44	2.29	85.49	1.61
2017/01/26 15:59	2.29	96.11	1.81
2017/01/26 16:14	2.28	96.46	1.83
2017/01/26 16:29	2.28	95.28	1.81
2017/01/26 16:44	2.28	96.11	1.83
2017/01/26 16:59	2.28	96.46	1.83
2017/01/26 17:14	2.28	96.60	1.83
2017/01/26 17:29	2.30	98.26	1.83
2017/01/26 17:44	2.30	98.26	1.83
2017/01/26 17:59	2.34	100.83	1.83
2017/01/26 18:14	2.41	107.43	1.87
2017/01/26 18:29	2.41	107.43	1.87
2017/01/26 18:44	2.41	105.21	1.83
2017/01/26 18:59	2.41	104.72	1.83
2017/01/26 19:14	2.44	124.03	2.13
2017/01/26 19:29	2.47	121.46	2.05
2017/01/26 19:44	2.39	107.71	1.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 19:59	2.39	107.71	1.91
2017/01/26 20:14	2.47	121.46	2.05
2017/01/26 20:29	2.47	121.46	2.05
2017/01/26 20:44	2.48	122.50	2.05
2017/01/26 20:59	2.48	122.50	2.05
2017/01/26 21:14	2.50	134.24	2.23
2017/01/26 21:29	2.50	137.43	2.28
2017/01/26 21:44	2.50	134.24	2.23
2017/01/26 21:59	2.48	121.11	2.03
2017/01/26 22:14	2.48	121.11	2.03
2017/01/26 22:29	2.43	117.22	2.03
2017/01/26 22:44	2.34	93.06	1.69
2017/01/26 22:59	2.34	93.06	1.69
2017/01/26 23:14	2.34	93.06	1.69
2017/01/26 23:29	2.34	92.71	1.69
2017/01/26 23:44	2.33	91.94	1.69
2017/01/26 23:59	2.32	83.89	1.55
2017/01/27 00:14	2.25	79.10	1.53
2017/01/27 00:29	2.11	67.57	1.43
2017/01/27 00:44	2.04	55.49	1.24
2017/01/27 00:59	2.03	52.36	1.18
2017/01/27 01:14	1.93	48.33	1.17
2017/01/27 01:29	1.91	47.64	1.16
2017/01/27 01:44	1.83	39.86	1.04
2017/01/27 01:59	1.83	39.44	1.03
2017/01/27 02:14	1.78	33.61	0.92
2017/01/27 02:29	1.78	33.61	0.92
2017/01/27 02:44	1.78	33.61	0.92
2017/01/27 02:59	1.78	33.47	0.91
2017/01/27 03:14	1.78	33.61	0.92
2017/01/27 03:29	1.78	33.12	0.90
2017/01/27 03:44	1.78	35.07	0.96
2017/01/27 03:59	1.78	35.07	0.96
2017/01/27 04:14	1.78	35.07	0.96
2017/01/27 04:29	1.78	35.69	0.97
2017/01/27 04:44	1.78	35.69	0.97
2017/01/27 04:59	1.78	37.15	1.01
2017/01/27 05:14	1.79	37.78	1.02
2017/01/27 05:29	1.80	38.47	1.03
2017/01/27 05:44	1.83	41.25	1.07
2017/01/27 05:59	1.93	49.93	1.21
2017/01/27 06:14	1.97	55.14	1.29
2017/01/27 06:29	1.98	55.69	1.29
2017/01/27 06:44	2.07	60.90	1.33
2017/01/27 06:59	2.11	67.43	1.43

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 07:14	2.22	76.25	1.50
2017/01/27 07:29	2.22	88.68	1.75
2017/01/27 07:44	2.44	133.12	2.28
2017/01/27 07:59	2.46	148.33	2.52
2017/01/27 08:14	2.55	156.87	2.52
2017/01/27 08:29	2.65	177.99	2.71
2017/01/27 08:44	2.65	177.99	2.71
2017/01/27 08:59	2.69	184.79	2.75
2017/01/27 09:14	2.65	177.99	2.71
2017/01/27 09:29	2.55	161.04	2.59
2017/01/27 09:44	2.55	157.99	2.54
2017/01/27 09:59	2.55	161.04	2.59
2017/01/27 10:14	2.55	161.04	2.59
2017/01/27 10:29	2.53	158.54	2.59
2017/01/27 10:44	2.50	153.06	2.54
2017/01/27 10:59	2.46	148.89	2.53
2017/01/27 11:14	2.40	142.57	2.51
2017/01/27 11:29	2.40	142.57	2.51
2017/01/27 11:44	2.40	142.57	2.51
2017/01/27 11:59	2.40	142.57	2.51
2017/01/27 12:14	2.40	142.57	2.51
2017/01/27 12:29	2.40	142.57	2.51
2017/01/27 12:44	2.40	137.57	2.42
2017/01/27 12:59	2.40	137.57	2.42
2017/01/27 13:14	2.40	137.85	2.42
2017/01/27 13:29	2.40	137.57	2.42
2017/01/27 13:44	2.40	132.85	2.33
2017/01/27 13:59	2.40	132.64	2.33
2017/01/27 14:14	2.41	131.74	2.30
2017/01/27 14:29	2.43	132.85	2.30
2017/01/27 14:44	2.43	130.49	2.26
2017/01/27 14:59	2.43	130.49	2.26
2017/01/27 15:14	2.41	126.32	2.20
2017/01/27 15:29	2.41	126.32	2.20
2017/01/27 15:44	2.43	120.28	2.08
2017/01/27 15:59	2.43	120.28	2.08
2017/01/27 16:14	2.43	119.10	2.06
2017/01/27 16:29	2.43	98.68	1.71
2017/01/27 16:44	2.43	98.68	1.71
2017/01/27 16:59	2.46	122.29	2.08
2017/01/27 17:14	2.46	122.29	2.08
2017/01/27 17:29	2.46	127.29	2.17
2017/01/27 17:44	2.46	126.60	2.15
2017/01/27 17:59	2.46	127.29	2.17
2017/01/27 18:14	2.46	130.76	2.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 18:29	2.44	126.25	2.17
2017/01/27 18:44	2.43	128.89	2.23
2017/01/27 18:59	2.43	128.89	2.23
2017/01/27 19:14	2.43	128.89	2.23
2017/01/27 19:29	2.43	128.89	2.23
2017/01/27 19:44	2.44	124.58	2.14
2017/01/27 19:59	2.43	119.79	2.07
2017/01/27 20:14	2.41	117.36	2.05
2017/01/27 20:29	2.37	104.93	1.88
2017/01/27 20:44	2.43	106.81	1.85
2017/01/27 20:59	2.37	100.90	1.80
2017/01/27 21:14	2.34	98.33	1.79
2017/01/27 21:29	2.29	95.00	1.79
2017/01/27 21:44	2.34	98.33	1.79
2017/01/27 21:59	2.34	88.75	1.61
2017/01/27 22:14	2.37	90.28	1.61
2017/01/27 22:29	2.37	90.28	1.61
2017/01/27 22:44	2.39	105.14	1.86
2017/01/27 22:59	2.39	105.14	1.86
2017/01/27 23:14	2.39	103.75	1.84
2017/01/27 23:29	2.37	101.25	1.81
2017/01/27 23:44	2.34	99.93	1.82
2017/01/27 23:59	2.34	99.93	1.82
2017/01/28 00:14	2.29	96.11	1.81
2017/01/28 00:29	2.23	89.93	1.75
2017/01/28 00:44	2.18	80.00	1.62
2017/01/28 00:59	2.08	74.17	1.60
2017/01/28 01:14	2.03	66.87	1.50
2017/01/28 01:29	2.00	57.85	1.33
2017/01/28 01:44	2.00	50.76	1.16
2017/01/28 01:59	1.97	49.72	1.16
2017/01/28 02:14	1.97	49.72	1.16
2017/01/28 02:29	1.94	47.85	1.14
2017/01/28 02:44	1.94	47.85	1.14
2017/01/28 02:59	1.93	47.36	1.14
2017/01/28 03:14	1.91	46.87	1.14
2017/01/28 03:29	1.89	46.11	1.15
2017/01/28 03:44	1.87	45.42	1.14
2017/01/28 03:59	1.83	42.08	1.10
2017/01/28 04:14	1.87	43.54	1.10
2017/01/28 04:29	1.83	41.60	1.08
2017/01/28 04:44	1.82	40.42	1.07
2017/01/28 04:59	1.82	40.42	1.07
2017/01/28 05:14	1.82	39.58	1.04
2017/01/28 05:29	1.82	40.42	1.07

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 05:44	1.86	40.90	1.04
2017/01/28 05:59	1.86	40.90	1.04
2017/01/28 06:14	1.86	44.17	1.13
2017/01/28 06:29	1.96	50.21	1.19
2017/01/28 06:44	1.97	54.79	1.28
2017/01/28 06:59	2.01	59.03	1.34
2017/01/28 07:14	2.05	61.11	1.35
2017/01/28 07:29	2.18	75.35	1.52
2017/01/28 07:44	2.18	76.04	1.54
2017/01/28 07:59	2.33	92.57	1.70
2017/01/28 08:14	2.34	101.39	1.84
2017/01/28 08:29	2.37	123.61	2.21
2017/01/28 08:44	2.37	128.26	2.29
2017/01/28 08:59	2.40	137.22	2.41
2017/01/28 09:14	2.41	141.25	2.46
2017/01/28 09:29	2.41	141.46	2.47
2017/01/28 09:44	2.41	141.46	2.47
2017/01/28 09:59	2.41	141.25	2.46
2017/01/28 10:14	2.51	151.60	2.50
2017/01/28 10:29	2.53	153.75	2.51
2017/01/28 10:44	2.53	162.99	2.66
2017/01/28 10:59	2.59	169.51	2.66
2017/01/28 11:14	2.59	169.51	2.66
2017/01/28 11:29	2.59	169.51	2.66
2017/01/28 11:44	2.59	169.51	2.66
2017/01/28 11:59	2.59	168.96	2.65
2017/01/28 12:14	2.58	164.65	2.61
2017/01/28 12:29	2.55	160.35	2.58
2017/01/28 12:44	2.44	144.58	2.48
2017/01/28 12:59	2.43	138.96	2.40
2017/01/28 13:14	2.41	137.50	2.40
2017/01/28 13:29	2.41	137.15	2.39
2017/01/28 13:44	2.41	133.96	2.33
2017/01/28 13:59	2.41	121.32	2.11
2017/01/28 14:14	2.41	116.67	2.03
2017/01/28 14:29	2.41	109.65	1.91
2017/01/28 14:44	2.41	109.65	1.91
2017/01/28 14:59	2.41	106.53	1.86
2017/01/28 15:14	2.43	110.62	1.91
2017/01/28 15:29	2.43	107.43	1.86
2017/01/28 15:44	2.41	102.85	1.79
2017/01/28 15:59	2.34	97.71	1.78
2017/01/28 16:14	2.34	97.71	1.78
2017/01/28 16:29	2.33	96.87	1.78
2017/01/28 16:44	2.34	97.71	1.78

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 16:59	2.34	97.71	1.78
2017/01/28 17:14	2.37	116.32	2.08
2017/01/28 17:29	2.41	122.08	2.13
2017/01/28 17:44	2.41	125.76	2.19
2017/01/28 17:59	2.41	133.61	2.33
2017/01/28 18:14	2.44	135.83	2.33
2017/01/28 18:29	2.44	135.83	2.33
2017/01/28 18:44	2.41	133.61	2.33
2017/01/28 18:59	2.43	128.26	2.22
2017/01/28 19:14	2.44	129.31	2.22
2017/01/28 19:29	2.46	130.35	2.22
2017/01/28 19:44	2.44	123.40	2.12
2017/01/28 19:59	2.43	114.65	1.98
2017/01/28 20:14	2.43	111.60	1.93
2017/01/28 20:29	2.43	108.54	1.88
2017/01/28 20:44	2.43	114.65	1.98
2017/01/28 20:59	2.43	114.65	1.98
2017/01/28 21:14	2.41	107.64	1.88
2017/01/28 21:29	2.41	98.75	1.72
2017/01/28 21:44	2.41	98.75	1.72
2017/01/28 21:59	2.32	93.06	1.72
2017/01/28 22:14	2.25	89.10	1.72
2017/01/28 22:29	2.25	89.03	1.72
2017/01/28 22:44	2.25	84.51	1.63
2017/01/28 22:59	2.26	82.57	1.58
2017/01/28 23:14	2.26	76.94	1.47
2017/01/28 23:29	2.26	76.94	1.47
2017/01/28 23:44	2.32	85.56	1.58
2017/01/28 23:59	2.32	82.50	1.53
2017/01/29 00:14	2.26	77.29	1.48
2017/01/29 00:29	2.21	74.58	1.48
2017/01/29 00:44	2.09	69.17	1.48
2017/01/29 00:59	2.08	68.54	1.48
2017/01/29 01:14	2.08	65.69	1.42
2017/01/29 01:29	2.03	56.81	1.28
2017/01/29 01:44	2.00	55.42	1.27
2017/01/29 01:59	2.00	54.86	1.26
2017/01/29 02:14	1.97	48.75	1.14
2017/01/29 02:29	1.90	45.76	1.13
2017/01/29 02:44	1.79	38.19	1.03
2017/01/29 02:59	1.79	38.19	1.03
2017/01/29 03:14	1.79	38.19	1.03
2017/01/29 03:29	1.79	37.99	1.02
2017/01/29 03:44	1.78	35.76	0.98
2017/01/29 03:59	1.76	34.93	0.96

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 04:14	1.76	34.37	0.95
2017/01/29 04:29	1.76	33.89	0.93
2017/01/29 04:44	1.72	32.64	0.93
2017/01/29 04:59	1.68	30.83	0.91
2017/01/29 05:14	1.68	30.83	0.91
2017/01/29 05:29	1.68	31.53	0.93
2017/01/29 05:44	1.68	31.53	0.93
2017/01/29 05:59	1.73	33.33	0.94
2017/01/29 06:14	1.73	34.51	0.97
2017/01/29 06:29	1.79	37.57	1.01
2017/01/29 06:44	1.84	41.60	1.07
2017/01/29 06:59	1.90	48.33	1.19
2017/01/29 07:14	2.00	52.01	1.19
2017/01/29 07:29	2.05	55.56	1.23
2017/01/29 07:44	2.14	65.69	1.37
2017/01/29 07:59	2.19	72.99	1.46
2017/01/29 08:14	2.40	101.74	1.79
2017/01/29 08:29	2.41	102.57	1.79
2017/01/29 08:44	2.43	122.22	2.11
2017/01/29 08:59	2.43	123.12	2.13
2017/01/29 09:14	2.47	135.00	2.28
2017/01/29 09:29	2.47	136.60	2.30
2017/01/29 09:44	2.50	139.58	2.32
2017/01/29 09:59	2.50	151.67	2.52
2017/01/29 10:14	2.50	155.28	2.58
2017/01/29 10:29	2.50	155.28	2.58
2017/01/29 10:44	2.50	155.28	2.58
2017/01/29 10:59	2.55	161.87	2.60
2017/01/29 11:14	2.55	161.87	2.60
2017/01/29 11:29	2.47	152.78	2.58
2017/01/29 11:44	2.47	150.00	2.53
2017/01/29 11:59	2.46	144.72	2.46
2017/01/29 12:14	2.46	144.72	2.46
2017/01/29 12:29	2.46	144.72	2.46
2017/01/29 12:44	2.44	140.69	2.41
2017/01/29 12:59	2.41	137.15	2.39
2017/01/29 13:14	2.41	136.32	2.38
2017/01/29 13:29	2.40	135.14	2.38
2017/01/29 13:44	2.40	133.26	2.34
2017/01/29 13:59	2.40	130.42	2.29
2017/01/29 14:14	2.39	123.68	2.19
2017/01/29 14:29	2.32	109.44	2.02
2017/01/29 14:44	2.32	99.31	1.84
2017/01/29 14:59	2.32	99.31	1.84
2017/01/29 15:14	2.32	109.44	2.02

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 15:29	2.32	87.92	1.63
2017/01/29 15:44	2.32	87.92	1.63
2017/01/29 15:59	2.32	87.92	1.63
2017/01/29 16:14	2.32	103.68	1.92
2017/01/29 16:29	2.34	105.49	1.92
2017/01/29 16:44	2.40	109.10	1.92
2017/01/29 16:59	2.37	96.39	1.72
2017/01/29 17:14	2.40	109.10	1.92
2017/01/29 17:29	2.43	119.93	2.07
2017/01/29 17:44	2.43	120.28	2.08
2017/01/29 17:59	2.43	127.43	2.20
2017/01/29 18:14	2.44	129.51	2.22
2017/01/29 18:29	2.46	130.21	2.21
2017/01/29 18:44	2.46	131.53	2.24
2017/01/29 18:59	2.44	132.08	2.26
2017/01/29 19:14	2.43	132.01	2.28
2017/01/29 19:29	2.43	132.01	2.28
2017/01/29 19:44	2.43	136.46	2.36
2017/01/29 19:59	2.43	136.46	2.36
2017/01/29 20:14	2.43	136.46	2.36
2017/01/29 20:29	2.43	140.62	2.43
2017/01/29 20:44	2.43	140.97	2.44
2017/01/29 20:59	2.43	140.97	2.44
2017/01/29 21:14	2.44	142.64	2.45
2017/01/29 21:29	2.44	142.15	2.44
2017/01/29 21:44	2.44	136.94	2.35
2017/01/29 21:59	2.44	136.94	2.35
2017/01/29 22:14	2.46	131.25	2.23
2017/01/29 22:29	2.46	130.49	2.22
2017/01/29 22:44	2.41	121.53	2.12
2017/01/29 22:59	2.36	99.79	1.80
2017/01/29 23:14	2.33	93.82	1.72
2017/01/29 23:29	2.33	85.69	1.57
2017/01/29 23:44	2.19	78.40	1.57
2017/01/29 23:59	2.14	70.35	1.46
2017/01/30 00:14	2.05	64.31	1.42
2017/01/30 00:29	2.04	62.78	1.40
2017/01/30 00:44	2.00	57.71	1.32
2017/01/30 00:59	1.96	52.43	1.24
2017/01/30 01:14	1.93	50.28	1.21
2017/01/30 01:29	1.89	48.68	1.21
2017/01/30 01:44	1.89	47.92	1.19
2017/01/30 01:59	1.86	46.81	1.19
2017/01/30 02:14	1.83	44.44	1.16
2017/01/30 02:29	1.83	42.99	1.12

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 02:44	1.80	40.00	1.07
2017/01/30 02:59	1.80	39.37	1.05
2017/01/30 03:14	1.76	34.65	0.96
2017/01/30 03:29	1.76	34.65	0.96
2017/01/30 03:44	1.73	31.04	0.88
2017/01/30 03:59	1.73	30.42	0.86
2017/01/30 04:14	1.72	30.07	0.86
2017/01/30 04:29	1.73	31.04	0.88
2017/01/30 04:44	1.73	32.15	0.91
2017/01/30 04:59	1.75	33.06	0.92
2017/01/30 05:14	1.75	33.06	0.92
2017/01/30 05:29	1.80	35.76	0.95
2017/01/30 05:44	1.84	37.64	0.97
2017/01/30 05:59	1.86	41.60	1.06
2017/01/30 06:14	1.91	45.56	1.11
2017/01/30 06:29	1.98	51.67	1.20
2017/01/30 06:44	2.00	55.35	1.27
2017/01/30 06:59	2.16	75.00	1.53
2017/01/30 07:14	2.33	86.60	1.59
2017/01/30 07:29	2.36	125.83	2.27
2017/01/30 07:44	2.39	139.72	2.48
2017/01/30 07:59	2.65	176.25	2.69
2017/01/30 08:14	2.69	180.28	2.69
2017/01/30 08:29	2.73	187.15	2.73
2017/01/30 08:44	2.73	187.15	2.73
2017/01/30 08:59	2.73	187.15	2.73
2017/01/30 09:14	2.73	186.87	2.72
2017/01/30 09:29	2.66	177.57	2.69
2017/01/30 09:44	2.47	147.57	2.49
2017/01/30 09:59	2.47	147.57	2.49
2017/01/30 10:14	2.47	147.57	2.49
2017/01/30 10:29	2.48	149.93	2.51
2017/01/30 10:44	2.66	177.92	2.69
2017/01/30 10:59	2.48	152.01	2.54
2017/01/30 11:14	2.48	152.01	2.54
2017/01/30 11:29	2.51	155.69	2.56
2017/01/30 11:44	2.48	152.01	2.54
2017/01/30 11:59	2.48	152.01	2.54
2017/01/30 12:14	2.46	144.79	2.46
2017/01/30 12:29	2.46	144.79	2.46
2017/01/30 12:44	2.43	142.01	2.46
2017/01/30 12:59	2.43	142.01	2.46
2017/01/30 13:14	2.40	131.25	2.31
2017/01/30 13:29	2.40	131.25	2.31
2017/01/30 13:44	2.40	132.85	2.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 13:59	2.40	132.85	2.33
2017/01/30 14:14	2.40	125.69	2.21
2017/01/30 14:29	2.43	123.89	2.14
2017/01/30 14:44	2.44	127.15	2.18
2017/01/30 14:59	2.44	127.15	2.18
2017/01/30 15:14	2.47	129.24	2.18
2017/01/30 15:29	2.47	129.24	2.18
2017/01/30 15:44	2.47	129.24	2.18
2017/01/30 15:59	2.44	127.15	2.18
2017/01/30 16:14	2.44	127.15	2.18
2017/01/30 16:29	2.44	113.19	1.94
2017/01/30 16:44	2.43	112.29	1.94
2017/01/30 16:59	2.40	100.35	1.76
2017/01/30 17:14	2.39	99.51	1.76
2017/01/30 17:29	2.36	97.85	1.76
2017/01/30 17:44	2.36	97.85	1.76
2017/01/30 17:59	2.36	102.92	1.86
2017/01/30 18:14	2.36	102.92	1.86
2017/01/30 18:29	2.39	112.15	1.99
2017/01/30 18:44	2.39	118.61	2.10
2017/01/30 18:59	2.50	130.00	2.16
2017/01/30 19:14	2.50	134.58	2.23
2017/01/30 19:29	2.47	139.86	2.36
2017/01/30 19:44	2.47	138.06	2.33
2017/01/30 19:59	2.50	142.15	2.36
2017/01/30 20:14	2.47	140.76	2.37
2017/01/30 20:29	2.47	139.86	2.36
2017/01/30 20:44	2.47	140.76	2.37
2017/01/30 20:59	2.46	139.58	2.37
2017/01/30 21:14	2.46	136.94	2.33
2017/01/30 21:29	2.47	138.12	2.33
2017/01/30 21:44	2.47	133.89	2.26
2017/01/30 21:59	2.46	131.60	2.24
2017/01/30 22:14	2.46	131.60	2.24
2017/01/30 22:29	2.47	129.65	2.19
2017/01/30 22:44	2.47	106.94	1.80
2017/01/30 22:59	2.40	102.43	1.80
2017/01/30 23:14	2.40	98.19	1.73
2017/01/30 23:29	2.39	90.56	1.61
2017/01/30 23:44	2.33	86.39	1.58
2017/01/30 23:59	2.33	86.39	1.58
2017/01/31 00:14	2.26	82.64	1.58
2017/01/31 00:29	2.14	73.33	1.53
2017/01/31 00:44	2.08	70.56	1.53
2017/01/31 00:59	2.04	67.57	1.50

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 01:14	2.00	63.19	1.45
2017/01/31 01:29	1.90	53.61	1.32
2017/01/31 01:44	1.90	52.64	1.30
2017/01/31 01:59	1.90	49.79	1.23
2017/01/31 02:14	1.84	45.07	1.16
2017/01/31 02:29	1.84	43.54	1.12
2017/01/31 02:44	1.84	39.65	1.02
2017/01/31 02:59	1.82	38.26	1.01
2017/01/31 03:14	1.80	36.53	0.97
2017/01/31 03:29	1.80	36.53	0.97
2017/01/31 03:44	1.79	36.11	0.97
2017/01/31 03:59	1.79	36.67	0.99
2017/01/31 04:14	1.79	37.43	1.01
2017/01/31 04:29	1.79	37.43	1.01
2017/01/31 04:44	1.79	38.26	1.03
2017/01/31 04:59	1.79	38.61	1.04
2017/01/31 05:14	1.84	40.97	1.06
2017/01/31 05:29	1.86	41.94	1.07
2017/01/31 05:44	1.93	44.58	1.08
2017/01/31 05:59	1.96	51.81	1.23
2017/01/31 06:14	1.98	55.69	1.29
2017/01/31 06:29	2.00	56.25	1.29
2017/01/31 06:44	2.09	61.60	1.32
2017/01/31 06:59	2.21	73.47	1.46
2017/01/31 07:14	2.25	78.06	1.51
2017/01/31 07:29	2.50	128.82	2.14
2017/01/31 07:44	2.53	148.96	2.43
2017/01/31 07:59	2.73	184.30	2.69
2017/01/31 08:14	2.73	184.30	2.69
2017/01/31 08:29	2.73	184.30	2.69
2017/01/31 08:44	2.73	185.83	2.71
2017/01/31 08:59	2.69	180.28	2.69
2017/01/31 09:14	2.69	177.57	2.65
2017/01/31 09:29	2.66	174.79	2.64
2017/01/31 09:44	2.61	168.06	2.62
2017/01/31 09:59	2.59	162.71	2.56
2017/01/31 10:14	2.59	162.71	2.56
2017/01/31 10:29	2.59	162.71	2.56
2017/01/31 10:44	2.51	150.35	2.48
2017/01/31 10:59	2.50	141.46	2.35
2017/01/31 11:14	2.50	141.87	2.35
2017/01/31 11:29	2.51	150.35	2.48
2017/01/31 11:44	2.51	142.99	2.35
2017/01/31 11:59	2.51	138.06	2.27
2017/01/31 12:14	2.50	133.61	2.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 12:29	2.46	130.35	2.22
2017/01/31 12:44	2.46	130.97	2.23
2017/01/31 12:59	2.46	128.68	2.19
2017/01/31 13:14	2.46	128.68	2.19
2017/01/31 13:29	2.46	128.68	2.19
2017/01/31 13:44	2.46	130.97	2.23
2017/01/31 13:59	2.46	130.97	2.23
2017/01/31 14:14	2.46	130.97	2.23
2017/01/31 14:29	2.46	128.68	2.19
2017/01/31 14:44	2.41	104.86	1.83
2017/01/31 14:59	2.34	92.36	1.68
2017/01/31 15:14	2.33	91.18	1.67
2017/01/31 15:29	2.30	84.24	1.57
2017/01/31 15:44	2.30	80.28	1.50
2017/01/31 15:59	2.28	78.89	1.50
2017/01/31 16:14	2.28	78.89	1.50
2017/01/31 16:29	2.28	76.25	1.45
2017/01/31 16:44	2.30	77.57	1.45
2017/01/31 16:59	2.32	80.97	1.50
2017/01/31 17:14	2.32	78.26	1.45
2017/01/31 17:29	2.32	86.74	1.61
2017/01/31 17:44	2.32	90.97	1.68
2017/01/31 17:59	2.33	91.74	1.68
2017/01/31 18:14	2.32	95.35	1.76
2017/01/31 18:29	2.32	95.35	1.76
2017/01/31 18:44	2.33	98.47	1.81
2017/01/31 18:59	2.43	114.31	1.98
2017/01/31 19:14	2.43	126.67	2.19
2017/01/31 19:29	2.43	133.47	2.31
2017/01/31 19:44	2.44	136.67	2.34
2017/01/31 19:59	2.44	136.67	2.34
2017/01/31 20:14	2.43	135.56	2.34
2017/01/31 20:29	2.43	135.56	2.34
2017/01/31 20:44	2.44	133.06	2.28
2017/01/31 20:59	2.44	130.76	2.24
2017/01/31 21:14	2.44	130.76	2.24
2017/01/31 21:29	2.44	127.99	2.19
2017/01/31 21:44	2.46	131.81	2.24
2017/01/31 21:59	2.47	130.07	2.19
2017/01/31 22:14	2.46	128.19	2.18
2017/01/31 22:29	2.46	122.36	2.08
2017/01/31 22:44	2.39	111.11	1.97
2017/01/31 22:59	2.36	97.64	1.76
2017/01/31 23:14	2.34	91.32	1.66
2017/01/31 23:29	2.33	85.42	1.57

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 23:44	2.32	82.08	1.52
2017/01/31 23:59	2.30	76.11	1.42
2017/02/01 00:14	2.28	74.79	1.42
2017/02/01 00:29	2.11	65.42	1.39
2017/02/01 00:44	2.09	64.44	1.38
2017/02/01 00:59	1.97	50.83	1.19
2017/02/01 01:14	1.94	49.79	1.19
2017/02/01 01:29	1.87	44.37	1.12
2017/02/01 01:44	1.82	40.14	1.06
2017/02/01 01:59	1.79	38.96	1.05
2017/02/01 02:14	1.79	37.43	1.01
2017/02/01 02:29	1.79	35.83	0.97
2017/02/01 02:44	1.79	37.43	1.01
2017/02/01 02:59	1.79	37.43	1.01
2017/02/01 03:14	1.79	37.43	1.01
2017/02/01 03:29	1.79	37.57	1.01
2017/02/01 03:44	1.79	37.57	1.01
2017/02/01 03:59	1.79	37.57	1.01
2017/02/01 04:14	1.80	39.37	1.05
2017/02/01 04:29	1.80	41.11	1.10
2017/02/01 04:44	1.80	40.00	1.07
2017/02/01 04:59	1.80	40.00	1.07
2017/02/01 05:14	1.80	41.11	1.10
2017/02/01 05:29	1.84	43.40	1.12
2017/02/01 05:44	1.89	46.11	1.15
2017/02/01 05:59	1.89	47.08	1.17
2017/02/01 06:14	1.94	49.17	1.17
2017/02/01 06:29	1.98	56.81	1.32
2017/02/01 06:44	2.12	63.26	1.33
2017/02/01 06:59	2.18	69.37	1.40
2017/02/01 07:14	2.33	87.08	1.60
2017/02/01 07:29	2.53	131.81	2.15
2017/02/01 07:44	2.64	142.92	2.19
2017/02/01 07:59	2.75	181.87	2.63
2017/02/01 08:14	2.75	182.57	2.64
2017/02/01 08:29	2.75	182.57	2.64
2017/02/01 08:44	2.65	173.33	2.64
2017/02/01 08:59	2.65	173.33	2.64
2017/02/01 09:14	2.65	173.33	2.64
2017/02/01 09:29	2.65	173.33	2.64
2017/02/01 09:44	2.46	146.81	2.50
2017/02/01 09:59	2.41	143.19	2.50
2017/02/01 10:14	2.46	150.56	2.56
2017/02/01 10:29	2.46	150.56	2.56
2017/02/01 10:44	2.46	146.81	2.50

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 10:59	2.46	146.81	2.50
2017/02/01 11:14	2.46	142.85	2.43
2017/02/01 11:29	2.46	142.15	2.42
2017/02/01 11:44	2.46	137.01	2.33
2017/02/01 11:59	2.46	137.01	2.33
2017/02/01 12:14	2.44	135.90	2.33
2017/02/01 12:29	2.44	133.68	2.29
2017/02/01 12:44	2.41	131.46	2.29
2017/02/01 12:59	2.44	135.90	2.33
2017/02/01 13:14	2.44	133.68	2.29
2017/02/01 13:29	2.44	131.94	2.26
2017/02/01 13:44	2.48	131.67	2.20
2017/02/01 13:59	2.48	131.11	2.19
2017/02/01 14:14	2.48	129.86	2.17
2017/02/01 14:29	2.48	124.31	2.08
2017/02/01 14:44	2.46	122.08	2.08
2017/02/01 14:59	2.46	122.08	2.08
2017/02/01 15:14	2.44	114.65	1.97
2017/02/01 15:29	2.43	110.42	1.91
2017/02/01 15:44	2.40	107.29	1.89
2017/02/01 15:59	2.33	92.85	1.70
2017/02/01 16:14	2.33	102.85	1.89
2017/02/01 16:29	2.33	102.85	1.89
2017/02/01 16:44	2.33	102.85	1.89
2017/02/01 16:59	2.34	103.75	1.89
2017/02/01 17:14	2.34	99.93	1.82
2017/02/01 17:29	2.34	99.93	1.82
2017/02/01 17:44	2.34	104.79	1.91
2017/02/01 17:59	2.34	104.79	1.91
2017/02/01 18:14	2.40	110.76	1.95
2017/02/01 18:29	2.40	108.40	1.91
2017/02/01 18:44	2.40	110.76	1.95
2017/02/01 18:59	2.40	130.42	2.29
2017/02/01 19:14	2.41	131.46	2.29
2017/02/01 19:29	2.41	128.26	2.24
2017/02/01 19:44	2.44	130.35	2.24
2017/02/01 19:59	2.44	132.15	2.27
2017/02/01 20:14	2.44	137.57	2.36
2017/02/01 20:29	2.44	135.90	2.33
2017/02/01 20:44	2.47	134.31	2.27
2017/02/01 20:59	2.47	134.31	2.27
2017/02/01 21:14	2.47	134.44	2.27
2017/02/01 21:29	2.47	138.12	2.33
2017/02/01 21:44	2.47	135.90	2.29
2017/02/01 21:59	2.46	133.33	2.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 22:14	2.44	127.71	2.19
2017/02/01 22:29	2.43	110.21	1.91
2017/02/01 22:44	2.37	106.60	1.91
2017/02/01 22:59	2.36	103.40	1.86
2017/02/01 23:14	2.34	100.56	1.83
2017/02/01 23:29	2.29	92.57	1.74
2017/02/01 23:44	2.29	91.04	1.71
2017/02/01 23:59	2.21	80.35	1.60
2017/02/02 00:14	2.19	77.85	1.56
2017/02/02 00:29	2.11	67.43	1.43
2017/02/02 00:44	2.03	62.01	1.39
2017/02/02 00:59	1.96	55.14	1.30
2017/02/02 01:14	1.96	48.96	1.16
2017/02/02 01:29	1.89	44.86	1.12
2017/02/02 01:44	1.82	42.15	1.11
2017/02/02 01:59	1.80	39.10	1.04
2017/02/02 02:14	1.80	37.85	1.01
2017/02/02 02:29	1.80	37.71	1.00
2017/02/02 02:44	1.80	37.71	1.00
2017/02/02 02:59	1.78	34.37	0.94
2017/02/02 03:14	1.78	35.28	0.96
2017/02/02 03:29	1.76	33.96	0.94
2017/02/02 03:44	1.76	32.99	0.91
2017/02/02 03:59	1.75	32.01	0.89
2017/02/02 04:14	1.75	32.01	0.89
2017/02/02 04:29	1.75	32.01	0.89
2017/02/02 04:44	1.75	32.01	0.89
2017/02/02 04:59	1.76	32.36	0.89
2017/02/02 05:14	1.82	33.89	0.89
2017/02/02 05:29	1.82	38.47	1.01
2017/02/02 05:44	1.87	42.29	1.07
2017/02/02 05:59	1.94	45.21	1.08
2017/02/02 06:14	1.97	48.61	1.14
2017/02/02 06:29	2.08	54.58	1.18
2017/02/02 06:44	2.09	60.21	1.29
2017/02/02 06:59	2.15	77.78	1.60
2017/02/02 07:14	2.19	82.43	1.65
2017/02/02 07:29	2.41	138.54	2.42
2017/02/02 07:44	2.50	149.58	2.48
2017/02/02 07:59	2.57	160.42	2.56
2017/02/02 08:14	2.62	166.11	2.57
2017/02/02 08:29	2.62	166.32	2.57
2017/02/02 08:44	2.64	173.61	2.67
2017/02/02 08:59	2.64	173.61	2.67
2017/02/02 09:14	2.68	177.64	2.67

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 09:29	2.64	171.67	2.64
2017/02/02 09:44	2.68	177.64	2.67
2017/02/02 09:59	2.64	173.61	2.67
2017/02/02 10:14	2.64	171.67	2.64
2017/02/02 10:29	2.64	171.67	2.64
2017/02/02 10:44	2.64	171.67	2.64
2017/02/02 10:59	2.51	159.79	2.63
2017/02/02 11:14	2.44	153.40	2.63
2017/02/02 11:29	2.44	144.44	2.48
2017/02/02 11:44	2.44	143.47	2.46
2017/02/02 11:59	2.44	143.47	2.46
2017/02/02 12:14	2.44	136.32	2.34
2017/02/02 12:29	2.44	130.14	2.23
2017/02/02 12:44	2.44	130.14	2.23
2017/02/02 12:59	2.43	129.03	2.23
2017/02/02 13:14	2.40	126.60	2.22
2017/02/02 13:29	2.43	129.03	2.23
2017/02/02 13:44	2.43	131.32	2.27
2017/02/02 13:59	2.43	131.32	2.27
2017/02/02 14:14	2.43	131.32	2.27
2017/02/02 14:29	2.43	125.35	2.17
2017/02/02 14:44	2.41	119.03	2.08
2017/02/02 14:59	2.41	119.03	2.08
2017/02/02 15:14	2.39	111.11	1.97
2017/02/02 15:29	2.37	109.10	1.95
2017/02/02 15:44	2.37	109.10	1.95
2017/02/02 15:59	2.37	109.10	1.95
2017/02/02 16:14	2.37	106.18	1.90
2017/02/02 16:29	2.36	105.28	1.90
2017/02/02 16:44	2.36	104.10	1.88
2017/02/02 16:59	2.36	102.78	1.85
2017/02/02 17:14	2.36	102.78	1.85
2017/02/02 17:29	2.36	102.78	1.85
2017/02/02 17:44	2.36	102.78	1.85
2017/02/02 17:59	2.36	102.78	1.85
2017/02/02 18:14	2.36	102.78	1.85
2017/02/02 18:29	2.43	109.17	1.89
2017/02/02 18:44	2.44	119.51	2.05
2017/02/02 18:59	2.44	129.65	2.22
2017/02/02 19:14	2.44	137.78	2.36
2017/02/02 19:29	2.44	139.72	2.40
2017/02/02 19:44	2.44	140.90	2.42
2017/02/02 19:59	2.44	146.39	2.51
2017/02/02 20:14	2.48	151.39	2.53
2017/02/02 20:29	2.50	153.82	2.55

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 20:44	2.50	153.82	2.55
2017/02/02 20:59	2.48	152.57	2.55
2017/02/02 21:14	2.48	152.57	2.55
2017/02/02 21:29	2.48	152.57	2.55
2017/02/02 21:44	2.47	147.15	2.48
2017/02/02 21:59	2.47	139.79	2.36
2017/02/02 22:14	2.46	132.22	2.25
2017/02/02 22:29	2.44	127.15	2.18
2017/02/02 22:44	2.44	123.33	2.11
2017/02/02 22:59	2.44	108.33	1.86
2017/02/02 23:14	2.39	102.08	1.81
2017/02/02 23:29	2.36	95.69	1.73
2017/02/02 23:44	2.33	94.10	1.73
2017/02/02 23:59	2.21	80.07	1.59
2017/02/03 00:14	2.18	76.32	1.54
2017/02/03 00:29	2.15	74.93	1.54
2017/02/03 00:44	2.15	74.93	1.54
2017/02/03 00:59	2.15	72.99	1.50
2017/02/03 01:14	2.14	71.04	1.48
2017/02/03 01:29	2.00	56.81	1.30
2017/02/03 01:44	1.97	51.53	1.21
2017/02/03 01:59	1.82	41.39	1.09
2017/02/03 02:14	1.79	40.49	1.09
2017/02/03 02:29	1.79	39.31	1.06
2017/02/03 02:44	1.79	38.26	1.03
2017/02/03 02:59	1.79	38.26	1.03
2017/02/03 03:14	1.79	38.26	1.03
2017/02/03 03:29	1.78	35.21	0.96
2017/02/03 03:44	1.78	33.96	0.93
2017/02/03 03:59	1.75	33.19	0.93
2017/02/03 04:14	1.75	34.44	0.96
2017/02/03 04:29	1.73	34.03	0.96
2017/02/03 04:44	1.73	34.03	0.96
2017/02/03 04:59	1.75	34.79	0.97
2017/02/03 05:14	1.76	36.94	1.02
2017/02/03 05:29	1.76	38.06	1.05
2017/02/03 05:44	1.78	38.89	1.06
2017/02/03 05:59	1.83	44.44	1.16
2017/02/03 06:14	1.97	55.56	1.30
2017/02/03 06:29	2.14	67.71	1.41
2017/02/03 06:44	2.14	73.89	1.54
2017/02/03 06:59	2.19	85.14	1.71
2017/02/03 07:14	2.29	97.64	1.84
2017/02/03 07:29	2.46	117.29	1.99
2017/02/03 07:44	2.48	124.58	2.08

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 07:59	2.61	168.06	2.62
2017/02/03 08:14	2.61	168.06	2.62
2017/02/03 08:29	2.64	170.83	2.62
2017/02/03 08:44	2.69	179.93	2.68
2017/02/03 08:59	2.76	190.42	2.73
2017/02/03 09:14	2.76	190.42	2.73
2017/02/03 09:29	2.64	173.75	2.67
2017/02/03 09:44	2.64	173.75	2.67
2017/02/03 09:59	2.65	175.07	2.67
2017/02/03 10:14	2.87	196.53	2.67
2017/02/03 10:29	2.87	193.47	2.63
2017/02/03 10:44	2.87	191.39	2.60
2017/02/03 10:59	2.91	163.33	2.17
2017/02/03 11:14	2.97	147.64	1.91
2017/02/03 11:29	2.97	146.60	1.90
2017/02/03 11:44	3.00	143.54	1.83
2017/02/03 11:59	3.00	139.58	1.78
2017/02/03 12:14	3.00	143.54	1.83
2017/02/03 12:29	3.00	143.54	1.83
2017/02/03 12:44	3.00	148.54	1.90
2017/02/03 12:59	3.00	164.10	2.10
2017/02/03 13:14	2.98	162.99	2.10
2017/02/03 13:29	2.93	158.68	2.10
2017/02/03 13:44	2.90	156.53	2.10
2017/02/03 13:59	2.93	140.42	1.85
2017/02/03 14:14	2.86	133.96	1.83
2017/02/03 14:29	2.86	131.18	1.79
2017/02/03 14:44	2.79	121.39	1.72
2017/02/03 14:59	2.79	121.39	1.72
2017/02/03 15:14	2.78	120.49	1.72
2017/02/03 15:29	2.79	121.25	1.72
2017/02/03 15:44	2.79	121.25	1.72
2017/02/03 15:59	2.82	121.32	1.69
2017/02/03 16:14	2.83	117.01	1.62
2017/02/03 16:29	2.83	122.22	1.69
2017/02/03 16:44	2.82	116.18	1.62
2017/02/03 16:59	2.83	117.01	1.62
2017/02/03 17:14	2.84	117.85	1.62
2017/02/03 17:29	2.82	108.75	1.52
2017/02/03 17:44	2.84	110.35	1.52
2017/02/03 17:59	2.84	107.78	1.48
2017/02/03 18:14	2.94	113.12	1.48
2017/02/03 18:29	2.96	113.89	1.48
2017/02/03 18:44	3.02	117.71	1.48
2017/02/03 18:59	3.16	119.17	1.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 19:14	3.18	112.78	1.32
2017/02/03 19:29	3.18	105.76	1.24
2017/02/03 19:44	3.19	106.39	1.24
2017/02/03 19:59	3.19	103.68	1.21
2017/02/03 20:14	3.26	106.87	1.21
2017/02/03 20:29	3.26	104.17	1.18
2017/02/03 20:44	3.26	96.53	1.09
2017/02/03 20:59	3.26	96.53	1.09
2017/02/03 21:14	3.26	96.53	1.09
2017/02/03 21:29	3.29	96.32	1.08
2017/02/03 21:44	3.29	96.32	1.08
2017/02/03 21:59	3.25	93.68	1.07
2017/02/03 22:14	3.19	91.11	1.06
2017/02/03 22:29	3.19	84.72	0.99
2017/02/03 22:44	3.19	84.72	0.99
2017/02/03 22:59	3.14	90.00	1.08
2017/02/03 23:14	3.14	93.19	1.12
2017/02/03 23:29	2.71	66.87	0.99
2017/02/03 23:44	2.71	79.86	1.18
2017/02/03 23:59	2.64	76.94	1.18
2017/02/04 00:14	2.64	76.94	1.18
2017/02/04 00:29	2.62	75.28	1.16
2017/02/04 00:44	2.64	60.21	0.92
2017/02/04 00:59	2.64	59.17	0.91
2017/02/04 01:14	2.62	58.68	0.91
2017/02/04 01:29	2.62	58.12	0.90
2017/02/04 01:44	2.37	46.11	0.82
2017/02/04 01:59	2.30	41.94	0.78
2017/02/04 02:14	2.30	40.90	0.76
2017/02/04 02:29	2.30	40.42	0.75
2017/02/04 02:44	2.30	40.42	0.75
2017/02/04 02:59	2.30	37.99	0.71
2017/02/04 03:14	2.22	38.26	0.75
2017/02/04 03:29	2.21	38.26	0.76
2017/02/04 03:44	2.21	38.40	0.76
2017/02/04 03:59	2.21	38.26	0.76
2017/02/04 04:14	2.16	37.50	0.77
2017/02/04 04:29	2.15	37.15	0.77
2017/02/04 04:44	2.15	37.15	0.77
2017/02/04 04:59	2.15	36.39	0.75
2017/02/04 05:14	2.15	34.44	0.71
2017/02/04 05:29	2.15	33.12	0.68
2017/02/04 05:44	2.15	33.12	0.68
2017/02/04 05:59	2.22	33.54	0.66
2017/02/04 06:14	2.25	35.35	0.68

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 06:29	2.29	37.71	0.71
2017/02/04 06:44	2.34	41.32	0.75
2017/02/04 06:59	2.50	45.90	0.76
2017/02/04 07:14	2.51	53.75	0.89
2017/02/04 07:29	2.64	58.75	0.90
2017/02/04 07:44	2.79	65.62	0.93
2017/02/04 07:59	2.86	86.11	1.18
2017/02/04 08:14	2.87	103.75	1.41
2017/02/04 08:29	2.87	103.75	1.41
2017/02/04 08:44	2.96	119.93	1.56
2017/02/04 08:59	2.96	134.93	1.76
2017/02/04 09:14	3.08	143.54	1.76
2017/02/04 09:29	3.15	160.76	1.91
2017/02/04 09:44	3.18	162.78	1.91
2017/02/04 09:59	3.18	172.64	2.03
2017/02/04 10:14	3.18	176.32	2.07
2017/02/04 10:29	3.26	179.17	2.03
2017/02/04 10:44	3.27	184.03	2.07
2017/02/04 10:59	3.32	188.33	2.08
2017/02/04 11:14	3.37	191.87	2.07
2017/02/04 11:29	3.37	191.87	2.07
2017/02/04 11:44	3.32	188.33	2.08
2017/02/04 11:59	3.32	180.76	2.00
2017/02/04 12:14	3.27	182.01	2.05
2017/02/04 12:29	3.15	167.92	2.00
2017/02/04 12:44	3.15	161.94	1.93
2017/02/04 12:59	3.14	166.87	2.00
2017/02/04 13:14	3.14	166.87	2.00
2017/02/04 13:29	3.08	162.57	2.00
2017/02/04 13:44	3.08	151.74	1.86
2017/02/04 13:59	3.07	150.76	1.86
2017/02/04 14:14	3.04	148.82	1.86
2017/02/04 14:29	2.93	141.11	1.86
2017/02/04 14:44	2.98	144.93	1.86
2017/02/04 14:59	2.94	127.08	1.67
2017/02/04 15:14	2.90	124.51	1.67
2017/02/04 15:29	2.94	131.25	1.72
2017/02/04 15:44	2.94	127.08	1.67
2017/02/04 15:59	2.96	132.15	1.72
2017/02/04 16:14	2.96	132.15	1.72
2017/02/04 16:29	2.94	131.25	1.72
2017/02/04 16:44	2.87	135.28	1.84
2017/02/04 16:59	2.96	140.90	1.84
2017/02/04 17:14	2.96	138.82	1.81
2017/02/04 17:29	2.87	133.26	1.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 17:44	2.87	133.26	1.81
2017/02/04 17:59	3.01	142.57	1.81
2017/02/04 18:14	3.01	142.57	1.81
2017/02/04 18:29	3.02	142.64	1.80
2017/02/04 18:44	3.01	141.74	1.80
2017/02/04 18:59	2.98	147.22	1.89
2017/02/04 19:14	2.98	147.92	1.90
2017/02/04 19:29	2.97	146.25	1.89
2017/02/04 19:44	2.91	142.99	1.90
2017/02/04 19:59	2.94	144.31	1.89
2017/02/04 20:14	2.91	142.29	1.89
2017/02/04 20:29	2.87	135.14	1.83
2017/02/04 20:44	2.86	116.87	1.60
2017/02/04 20:59	2.86	116.87	1.60
2017/02/04 21:14	2.84	115.35	1.59
2017/02/04 21:29	2.82	113.68	1.59
2017/02/04 21:44	2.82	113.68	1.59
2017/02/04 21:59	2.82	113.68	1.59
2017/02/04 22:14	2.84	121.94	1.68
2017/02/04 22:29	2.80	119.37	1.68
2017/02/04 22:44	2.76	107.22	1.54
2017/02/04 22:59	2.76	107.22	1.54
2017/02/04 23:14	2.75	100.62	1.46
2017/02/04 23:29	2.71	92.78	1.37
2017/02/04 23:44	2.68	88.54	1.33
2017/02/04 23:59	2.61	79.17	1.23
2017/02/05 00:14	2.61	78.40	1.22
2017/02/05 00:29	2.58	71.32	1.13
2017/02/05 00:44	2.54	69.03	1.12
2017/02/05 00:59	2.53	66.67	1.09
2017/02/05 01:14	2.47	62.36	1.05
2017/02/05 01:29	2.40	57.85	1.02
2017/02/05 01:44	2.40	57.15	1.00
2017/02/05 01:59	2.39	48.75	0.86
2017/02/05 02:14	2.32	45.42	0.84
2017/02/05 02:29	2.32	45.00	0.83
2017/02/05 02:44	2.32	45.00	0.83
2017/02/05 02:59	2.30	40.28	0.75
2017/02/05 03:14	2.30	39.51	0.74
2017/02/05 03:29	2.30	39.51	0.74
2017/02/05 03:44	2.30	40.28	0.75
2017/02/05 03:59	2.25	37.08	0.72
2017/02/05 04:14	2.25	38.06	0.74
2017/02/05 04:29	2.25	38.06	0.74
2017/02/05 04:44	2.25	38.06	0.74

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 04:59	2.25	38.06	0.74
2017/02/05 05:14	2.25	38.06	0.74
2017/02/05 05:29	2.25	38.06	0.74
2017/02/05 05:44	2.25	38.61	0.75
2017/02/05 05:59	2.32	40.35	0.75
2017/02/05 06:14	2.32	40.35	0.75
2017/02/05 06:29	2.33	40.69	0.75
2017/02/05 06:44	2.41	43.68	0.76
2017/02/05 06:59	2.41	43.68	0.76
2017/02/05 07:14	2.43	44.03	0.76
2017/02/05 07:29	2.47	48.06	0.81
2017/02/05 07:44	2.62	66.11	1.02
2017/02/05 07:59	2.65	72.29	1.10
2017/02/05 08:14	2.79	96.11	1.36
2017/02/05 08:29	2.80	98.75	1.39
2017/02/05 08:44	2.83	112.64	1.56
2017/02/05 08:59	2.86	129.72	1.77
2017/02/05 09:14	2.86	137.01	1.87
2017/02/05 09:29	3.11	158.26	1.92
2017/02/05 09:44	3.14	164.44	1.97
2017/02/05 09:59	3.18	167.57	1.97
2017/02/05 10:14	3.22	172.85	1.99
2017/02/05 10:29	3.22	170.76	1.97
2017/02/05 10:44	3.27	173.61	1.95
2017/02/05 10:59	3.39	182.01	1.95
2017/02/05 11:14	3.40	183.05	1.95
2017/02/05 11:29	3.40	180.62	1.93
2017/02/05 11:44	3.41	177.08	1.88
2017/02/05 11:59	3.48	165.97	1.71
2017/02/05 12:14	3.58	189.44	1.88
2017/02/05 12:29	3.58	166.39	1.65
2017/02/05 12:44	3.58	171.60	1.70
2017/02/05 12:59	3.58	171.60	1.70
2017/02/05 13:14	3.48	165.07	1.70
2017/02/05 13:29	3.46	183.68	1.92
2017/02/05 13:44	3.43	184.37	1.94
2017/02/05 13:59	3.43	181.60	1.92
2017/02/05 14:14	3.46	186.46	1.94
2017/02/05 14:29	3.55	195.90	1.96
2017/02/05 14:44	3.43	184.37	1.94
2017/02/05 14:59	3.44	182.64	1.92
2017/02/05 15:14	3.44	178.40	1.87
2017/02/05 15:29	3.44	167.78	1.76
2017/02/05 15:44	3.36	157.57	1.71
2017/02/05 15:59	3.33	145.14	1.59

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 16:14	3.27	135.35	1.52
2017/02/05 16:29	3.21	122.57	1.42
2017/02/05 16:44	3.16	118.40	1.40
2017/02/05 16:59	3.15	116.39	1.38
2017/02/05 17:14	3.15	90.07	1.07
2017/02/05 17:29	3.12	88.96	1.07
2017/02/05 17:44	3.12	88.96	1.07
2017/02/05 17:59	3.12	88.96	1.07
2017/02/05 18:14	3.11	88.40	1.07
2017/02/05 18:29	3.12	88.96	1.07
2017/02/05 18:44	3.18	91.18	1.07
2017/02/05 18:59	3.19	85.21	0.99
2017/02/05 19:14	3.39	92.71	0.99
2017/02/05 19:29	3.47	95.97	0.99
2017/02/05 19:44	3.69	94.31	0.90
2017/02/05 19:59	3.71	94.86	0.90
2017/02/05 20:14	3.77	97.36	0.90
2017/02/05 20:29	3.80	133.06	1.21
2017/02/05 20:44	3.80	133.06	1.21
2017/02/05 20:59	3.80	105.07	0.96
2017/02/05 21:14	3.80	105.07	0.96
2017/02/05 21:29	3.80	137.57	1.25
2017/02/05 21:44	3.80	137.57	1.25
2017/02/05 21:59	3.05	103.68	1.29
2017/02/05 22:14	2.97	126.04	1.63
2017/02/05 22:29	2.96	127.78	1.66
2017/02/05 22:44	2.86	121.81	1.66
2017/02/05 22:59	2.86	121.81	1.66
2017/02/05 23:14	2.86	121.81	1.66
2017/02/05 23:29	2.78	116.74	1.66
2017/02/05 23:44	2.75	98.82	1.43
2017/02/05 23:59	2.72	95.83	1.41
2017/02/06 00:14	2.66	83.68	1.26
2017/02/06 00:29	2.55	76.60	1.23
2017/02/06 00:44	2.51	71.11	1.17
2017/02/06 00:59	2.46	60.49	1.03
2017/02/06 01:14	2.37	55.28	0.99
2017/02/06 01:29	2.37	53.68	0.96
2017/02/06 01:44	2.36	53.26	0.96
2017/02/06 01:59	2.30	46.94	0.88
2017/02/06 02:14	2.28	45.90	0.87
2017/02/06 02:29	2.22	42.15	0.83
2017/02/06 02:44	2.12	38.40	0.81
2017/02/06 02:59	2.08	36.46	0.79
2017/02/06 03:14	2.07	36.11	0.79

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 03:29	2.07	36.11	0.79
2017/02/06 03:44	2.07	36.11	0.79
2017/02/06 03:59	2.07	36.94	0.81
2017/02/06 04:14	2.07	80.76	1.76
2017/02/06 04:29	2.19	87.71	1.76
2017/02/06 04:44	2.19	87.71	1.76
2017/02/06 04:59	2.22	62.85	1.24
2017/02/06 05:14	2.29	50.90	0.96
2017/02/06 05:29	2.32	66.87	1.24
2017/02/06 05:44	2.32	66.87	1.24
2017/02/06 05:59	2.36	68.61	1.24
2017/02/06 06:14	2.39	96.74	1.72
2017/02/06 06:29	2.39	102.01	1.81
2017/02/06 06:44	2.75	131.53	1.90
2017/02/06 06:59	3.01	158.40	2.01
2017/02/06 07:14	3.09	164.72	2.01
2017/02/06 07:29	3.12	166.87	2.01
2017/02/06 07:44	3.23	202.15	2.32
2017/02/06 07:59	3.26	253.96	2.87
2017/02/06 08:14	3.26	253.96	2.87
2017/02/06 08:29	3.26	253.96	2.87
2017/02/06 08:44	3.23	250.90	2.87
2017/02/06 08:59	3.22	244.17	2.82
2017/02/06 09:14	3.22	242.50	2.80
2017/02/06 09:29	3.22	238.89	2.75
2017/02/06 09:44	3.18	234.51	2.75
2017/02/06 09:59	3.18	231.11	2.71
2017/02/06 10:14	3.12	223.61	2.69
2017/02/06 10:29	3.18	228.40	2.68
2017/02/06 10:44	3.12	222.71	2.68
2017/02/06 10:59	3.12	190.90	2.30
2017/02/06 11:14	3.12	172.15	2.07
2017/02/06 11:29	3.12	172.15	2.07
2017/02/06 11:44	3.09	161.25	1.97
2017/02/06 11:59	3.05	143.40	1.78
2017/02/06 12:14	3.02	155.97	1.97
2017/02/06 12:29	3.01	154.93	1.97
2017/02/06 12:44	3.01	154.93	1.97
2017/02/06 12:59	3.01	142.71	1.81
2017/02/06 13:14	3.00	138.26	1.77
2017/02/06 13:29	2.96	135.56	1.77
2017/02/06 13:44	2.94	134.58	1.77
2017/02/06 13:59	2.94	133.19	1.75
2017/02/06 14:14	2.94	134.58	1.77
2017/02/06 14:29	2.94	137.99	1.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 14:44	2.94	133.19	1.75
2017/02/06 14:59	2.94	133.19	1.75
2017/02/06 15:14	2.94	127.29	1.67
2017/02/06 15:29	2.94	133.19	1.75
2017/02/06 15:44	2.89	123.96	1.67
2017/02/06 15:59	2.89	123.96	1.67
2017/02/06 16:14	2.89	123.96	1.67
2017/02/06 16:29	2.89	124.10	1.67
2017/02/06 16:44	2.89	124.10	1.67
2017/02/06 16:59	2.86	122.36	1.67
2017/02/06 17:14	2.86	122.36	1.67
2017/02/06 17:29	2.86	122.36	1.67
2017/02/06 17:44	2.83	116.46	1.61
2017/02/06 17:59	2.82	115.69	1.61
2017/02/06 18:14	2.82	115.69	1.61
2017/02/06 18:29	2.82	118.06	1.65
2017/02/06 18:44	2.82	127.71	1.78
2017/02/06 18:59	2.82	123.89	1.73
2017/02/06 19:14	2.96	136.81	1.78
2017/02/06 19:29	3.01	144.03	1.83
2017/02/06 19:44	3.01	140.49	1.78
2017/02/06 19:59	3.01	153.12	1.94
2017/02/06 20:14	3.05	156.18	1.94
2017/02/06 20:29	3.01	153.12	1.94
2017/02/06 20:44	3.01	153.12	1.94
2017/02/06 20:59	3.01	145.90	1.85
2017/02/06 21:14	2.98	137.71	1.77
2017/02/06 21:29	3.01	145.90	1.85
2017/02/06 21:44	3.02	146.87	1.85
2017/02/06 21:59	3.01	141.60	1.80
2017/02/06 22:14	2.90	132.22	1.77
2017/02/06 22:29	2.83	127.71	1.77
2017/02/06 22:44	2.78	117.29	1.67
2017/02/06 22:59	2.75	115.62	1.67
2017/02/06 23:14	2.73	114.58	1.67
2017/02/06 23:29	2.71	110.90	1.64
2017/02/06 23:44	2.71	95.21	1.41
2017/02/06 23:59	2.71	92.85	1.37
2017/02/07 00:14	2.65	77.08	1.17
2017/02/07 00:29	2.65	74.24	1.13
2017/02/07 00:44	2.65	64.58	0.98
2017/02/07 00:59	2.65	56.11	0.85
2017/02/07 01:14	2.65	54.31	0.83
2017/02/07 01:29	2.64	47.71	0.73
2017/02/07 01:44	2.62	45.21	0.70

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 01:59	2.62	43.82	0.68
2017/02/07 02:14	2.43	39.17	0.68
2017/02/07 02:29	2.29	35.97	0.68
2017/02/07 02:44	2.23	34.72	0.68
2017/02/07 02:59	2.21	33.82	0.67
2017/02/07 03:14	2.18	32.78	0.66
2017/02/07 03:29	2.16	33.68	0.69
2017/02/07 03:44	2.16	34.37	0.70
2017/02/07 03:59	2.16	34.37	0.70
2017/02/07 04:14	2.16	34.37	0.70
2017/02/07 04:29	2.18	34.72	0.70
2017/02/07 04:44	2.25	45.49	0.88
2017/02/07 04:59	2.34	48.33	0.88
2017/02/07 05:14	2.39	46.25	0.82
2017/02/07 05:29	2.43	47.43	0.82
2017/02/07 05:44	2.50	49.37	0.82
2017/02/07 05:59	2.65	50.00	0.76
2017/02/07 06:14	2.68	50.76	0.76
2017/02/07 06:29	2.93	57.64	0.76
2017/02/07 06:44	2.93	62.08	0.82
2017/02/07 06:59	2.93	72.92	0.96
2017/02/07 07:14	2.93	106.32	1.40
2017/02/07 07:29	2.93	106.32	1.40
2017/02/07 07:44	2.94	135.07	1.77
2017/02/07 07:59	3.19	151.81	1.77
2017/02/07 08:14	3.19	172.01	2.01
2017/02/07 08:29	3.19	172.01	2.01
2017/02/07 08:44	3.11	165.69	2.01
2017/02/07 08:59	3.11	172.99	2.10
2017/02/07 09:14	3.07	162.50	2.01
2017/02/07 09:29	3.07	160.62	1.99
2017/02/07 09:44	3.02	159.37	2.01
2017/02/07 09:59	3.02	157.57	1.99
2017/02/07 10:14	3.02	163.75	2.06
2017/02/07 10:29	3.00	155.49	1.99
2017/02/07 10:44	2.96	150.97	1.97
2017/02/07 10:59	2.90	142.15	1.90
2017/02/07 11:14	2.89	140.28	1.89
2017/02/07 11:29	2.89	120.14	1.62
2017/02/07 11:44	2.89	120.14	1.62
2017/02/07 11:59	2.84	117.64	1.62
2017/02/07 12:14	2.84	117.64	1.62
2017/02/07 12:29	2.84	119.51	1.64
2017/02/07 12:44	2.84	119.51	1.64
2017/02/07 12:59	2.84	119.51	1.64

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 13:14	2.84	120.00	1.65
2017/02/07 13:29	2.80	117.43	1.65
2017/02/07 13:44	2.80	117.43	1.65
2017/02/07 13:59	2.80	121.04	1.70
2017/02/07 14:14	2.78	115.76	1.65
2017/02/07 14:29	2.72	112.99	1.66
2017/02/07 14:44	2.72	120.97	1.78
2017/02/07 14:59	2.72	120.97	1.78
2017/02/07 15:14	2.61	106.39	1.66
2017/02/07 15:29	2.61	106.39	1.66
2017/02/07 15:44	2.61	106.39	1.66
2017/02/07 15:59	2.62	107.85	1.67
2017/02/07 16:14	2.62	107.85	1.67
2017/02/07 16:29	2.69	103.54	1.54
2017/02/07 16:44	2.69	111.94	1.67
2017/02/07 16:59	2.69	119.65	1.78
2017/02/07 17:14	2.72	113.61	1.67
2017/02/07 17:29	2.71	117.01	1.73
2017/02/07 17:44	2.72	117.85	1.73
2017/02/07 17:59	2.75	119.58	1.73
2017/02/07 18:14	2.78	127.78	1.82
2017/02/07 18:29	2.80	138.19	1.94
2017/02/07 18:44	2.80	138.19	1.94
2017/02/07 18:59	2.80	138.19	1.94
2017/02/07 19:14	2.82	145.49	2.03
2017/02/07 19:29	2.82	139.17	1.94
2017/02/07 19:44	2.83	140.14	1.94
2017/02/07 19:59	2.82	139.17	1.94
2017/02/07 20:14	2.82	143.96	2.01
2017/02/07 20:29	2.83	139.93	1.94
2017/02/07 20:44	2.83	145.00	2.01
2017/02/07 20:59	2.84	140.90	1.94
2017/02/07 21:14	2.89	143.89	1.94
2017/02/07 21:29	2.89	133.26	1.80
2017/02/07 21:44	2.89	133.26	1.80
2017/02/07 21:59	2.89	133.26	1.80
2017/02/07 22:14	2.84	130.49	1.80
2017/02/07 22:29	2.80	122.43	1.72
2017/02/07 22:44	2.75	116.74	1.69
2017/02/07 22:59	2.64	106.46	1.63
2017/02/07 23:14	2.64	103.68	1.59
2017/02/07 23:29	2.62	101.67	1.57
2017/02/07 23:44	2.61	100.14	1.56
2017/02/07 23:59	2.58	90.90	1.44
2017/02/08 00:14	2.57	88.40	1.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 00:29	2.47	79.58	1.34
2017/02/08 00:44	2.44	75.35	1.29
2017/02/08 00:59	2.36	67.57	1.22
2017/02/08 01:14	2.30	59.17	1.10
2017/02/08 01:29	2.23	52.01	1.01
2017/02/08 01:44	2.19	48.54	0.97
2017/02/08 01:59	2.15	44.44	0.92
2017/02/08 02:14	2.07	39.65	0.87
2017/02/08 02:29	2.04	38.82	0.87
2017/02/08 02:44	2.04	37.78	0.84
2017/02/08 02:59	2.04	37.71	0.84
2017/02/08 03:14	2.03	37.29	0.84
2017/02/08 03:29	2.01	36.87	0.84
2017/02/08 03:44	2.01	36.53	0.83
2017/02/08 03:59	2.01	35.00	0.80
2017/02/08 04:14	2.01	35.00	0.80
2017/02/08 04:29	2.11	37.50	0.80
2017/02/08 04:44	2.12	37.85	0.80
2017/02/08 04:59	2.14	38.61	0.80
2017/02/08 05:14	2.15	39.03	0.80
2017/02/08 05:29	2.25	45.90	0.89
2017/02/08 05:44	2.29	48.54	0.91
2017/02/08 05:59	2.50	55.56	0.92
2017/02/08 06:14	2.55	57.43	0.92
2017/02/08 06:29	2.58	58.33	0.92
2017/02/08 06:44	2.62	60.83	0.94
2017/02/08 06:59	2.80	68.26	0.96
2017/02/08 07:14	2.87	81.74	1.11
2017/02/08 07:29	2.89	149.10	2.01
2017/02/08 07:44	2.90	153.89	2.06
2017/02/08 07:59	2.96	185.42	2.42
2017/02/08 08:14	2.94	184.17	2.42
2017/02/08 08:29	2.90	180.49	2.42
2017/02/08 08:44	2.90	180.49	2.42
2017/02/08 08:59	2.94	184.17	2.42
2017/02/08 09:14	2.94	183.47	2.41
2017/02/08 09:29	2.93	168.26	2.22
2017/02/08 09:44	2.90	159.51	2.13
2017/02/08 09:59	2.90	159.24	2.13
2017/02/08 10:14	2.90	159.24	2.13
2017/02/08 10:29	2.93	161.46	2.13
2017/02/08 10:44	2.93	154.51	2.04
2017/02/08 10:59	2.89	126.94	1.71
2017/02/08 11:14	2.87	148.61	2.02
2017/02/08 11:29	2.93	142.50	1.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 11:44	2.93	151.53	2.00
2017/02/08 11:59	2.86	146.39	2.00
2017/02/08 12:14	2.86	139.44	1.91
2017/02/08 12:29	2.82	136.53	1.91
2017/02/08 12:44	2.83	137.50	1.91
2017/02/08 12:59	2.83	135.76	1.88
2017/02/08 13:14	2.83	127.15	1.76
2017/02/08 13:29	2.83	127.15	1.76
2017/02/08 13:44	2.83	112.64	1.56
2017/02/08 13:59	2.84	113.40	1.56
2017/02/08 14:14	2.84	113.40	1.56
2017/02/08 14:29	2.93	118.19	1.56
2017/02/08 14:44	2.84	141.81	1.95
2017/02/08 14:59	2.90	147.29	1.97
2017/02/08 15:14	2.90	145.83	1.95
2017/02/08 15:29	2.90	145.83	1.95
2017/02/08 15:44	2.90	123.89	1.66
2017/02/08 15:59	2.84	115.56	1.59
2017/02/08 16:14	2.84	117.85	1.62
2017/02/08 16:29	2.84	117.85	1.62
2017/02/08 16:44	2.84	117.85	1.62
2017/02/08 16:59	2.84	117.85	1.62
2017/02/08 17:14	2.84	120.56	1.66
2017/02/08 17:29	2.84	117.85	1.62
2017/02/08 17:44	2.83	121.46	1.68
2017/02/08 17:59	2.84	122.29	1.68
2017/02/08 18:14	2.84	120.76	1.66
2017/02/08 18:29	2.84	120.76	1.66
2017/02/08 18:44	2.82	120.56	1.68
2017/02/08 18:59	2.82	120.56	1.68
2017/02/08 19:14	2.83	121.53	1.68
2017/02/08 19:29	2.84	122.50	1.69
2017/02/08 19:44	2.84	122.71	1.69
2017/02/08 19:59	2.90	126.18	1.69
2017/02/08 20:14	2.91	137.01	1.82
2017/02/08 20:29	2.91	127.08	1.69
2017/02/08 20:44	2.91	126.74	1.68
2017/02/08 20:59	2.94	145.35	1.91
2017/02/08 21:14	2.91	140.62	1.87
2017/02/08 21:29	2.90	132.71	1.78
2017/02/08 21:44	2.89	138.68	1.87
2017/02/08 21:59	2.89	131.81	1.78
2017/02/08 22:14	2.86	130.00	1.78
2017/02/08 22:29	2.86	130.00	1.78
2017/02/08 22:44	2.83	116.81	1.62

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 22:59	2.78	113.54	1.62
2017/02/08 23:14	2.78	106.46	1.52
2017/02/08 23:29	2.73	103.75	1.51
2017/02/08 23:44	2.71	102.22	1.51
2017/02/08 23:59	2.69	101.53	1.51
2017/02/09 00:14	2.68	97.99	1.47
2017/02/09 00:29	2.64	94.65	1.45
2017/02/09 00:44	2.47	65.97	1.11
2017/02/09 00:59	2.47	65.97	1.11
2017/02/09 01:14	2.46	65.42	1.11
2017/02/09 01:29	2.33	58.89	1.08
2017/02/09 01:44	2.29	56.74	1.07
2017/02/09 01:59	2.18	45.90	0.93
2017/02/09 02:14	1.96	39.03	0.92
2017/02/09 02:29	1.96	37.85	0.90
2017/02/09 02:44	1.96	35.69	0.85
2017/02/09 02:59	1.96	33.89	0.80
2017/02/09 03:14	1.94	32.29	0.77
2017/02/09 03:29	1.96	30.90	0.73
2017/02/09 03:44	1.97	29.37	0.69
2017/02/09 03:59	1.98	28.61	0.66
2017/02/09 04:14	2.09	30.97	0.66
2017/02/09 04:29	2.12	31.04	0.65
2017/02/09 04:44	2.14	29.03	0.60
2017/02/09 04:59	2.16	29.58	0.60
2017/02/09 05:14	2.18	32.22	0.65
2017/02/09 05:29	2.22	34.58	0.68
2017/02/09 05:44	2.26	37.01	0.71
2017/02/09 05:59	2.30	40.56	0.76
2017/02/09 06:14	2.39	45.35	0.80
2017/02/09 06:29	2.46	53.47	0.91
2017/02/09 06:44	2.62	73.61	1.14
2017/02/09 06:59	2.66	92.85	1.40
2017/02/09 07:14	2.75	112.99	1.63
2017/02/09 07:29	3.11	138.75	1.68
2017/02/09 07:44	3.19	157.92	1.84
2017/02/09 07:59	3.23	180.55	2.07
2017/02/09 08:14	3.37	191.74	2.07
2017/02/09 08:29	3.37	188.75	2.04
2017/02/09 08:44	3.37	170.76	1.84
2017/02/09 08:59	3.43	187.22	1.97
2017/02/09 09:14	3.40	172.78	1.84
2017/02/09 09:29	3.43	167.57	1.77
2017/02/09 09:44	3.44	167.50	1.76
2017/02/09 09:59	3.44	152.92	1.60

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 10:14	3.50	157.64	1.62
2017/02/09 10:29	3.50	157.64	1.62
2017/02/09 10:44	3.50	157.64	1.62
2017/02/09 10:59	3.52	169.10	1.71
2017/02/09 11:14	3.52	159.44	1.62
2017/02/09 11:29	3.57	160.90	1.60
2017/02/09 11:44	3.57	162.08	1.62
2017/02/09 11:59	3.57	171.87	1.71
2017/02/09 12:14	3.58	174.37	1.73
2017/02/09 12:29	3.58	174.37	1.73
2017/02/09 12:44	3.57	148.96	1.48
2017/02/09 12:59	3.57	153.40	1.53
2017/02/09 13:14	3.51	150.00	1.53
2017/02/09 13:29	3.43	140.76	1.48
2017/02/09 13:44	3.36	130.28	1.41
2017/02/09 13:59	3.25	119.79	1.36
2017/02/09 14:14	3.25	119.79	1.36
2017/02/09 14:29	3.25	119.79	1.36
2017/02/09 14:44	3.25	118.54	1.35
2017/02/09 14:59	3.25	114.58	1.30
2017/02/09 15:14	3.25	114.58	1.30
2017/02/09 15:29	3.18	104.31	1.23
2017/02/09 15:44	3.26	108.26	1.23
2017/02/09 15:59	3.18	104.31	1.23
2017/02/09 16:14	3.14	110.56	1.32
2017/02/09 16:29	3.14	110.56	1.32
2017/02/09 16:44	3.18	112.64	1.32
2017/02/09 16:59	3.14	105.07	1.26
2017/02/09 17:14	3.14	110.56	1.32
2017/02/09 17:29	3.14	110.56	1.32
2017/02/09 17:44	3.15	105.69	1.26
2017/02/09 17:59	3.16	106.39	1.26
2017/02/09 18:14	3.18	117.43	1.38
2017/02/09 18:29	3.19	120.28	1.40
2017/02/09 18:44	3.29	143.26	1.60
2017/02/09 18:59	3.29	143.40	1.60
2017/02/09 19:14	3.29	144.10	1.61
2017/02/09 19:29	3.29	146.94	1.64
2017/02/09 19:44	3.26	145.21	1.64
2017/02/09 19:59	3.26	142.36	1.61
2017/02/09 20:14	3.26	142.36	1.61
2017/02/09 20:29	3.26	150.28	1.70
2017/02/09 20:44	3.48	165.49	1.71
2017/02/09 20:59	3.48	158.68	1.64
2017/02/09 21:14	3.41	132.08	1.40

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 21:29	3.44	156.04	1.64
2017/02/09 21:44	3.47	161.46	1.67
2017/02/09 21:59	3.44	159.65	1.67
2017/02/09 22:14	3.41	154.24	1.64
2017/02/09 22:29	3.32	132.43	1.46
2017/02/09 22:44	3.23	127.71	1.46
2017/02/09 22:59	3.23	137.85	1.58
2017/02/09 23:14	3.23	127.71	1.46
2017/02/09 23:29	3.21	105.07	1.22
2017/02/09 23:44	3.21	105.07	1.22
2017/02/09 23:59	3.09	89.65	1.09
2017/02/10 00:14	2.80	75.14	1.06
2017/02/10 00:29	2.79	73.96	1.05
2017/02/10 00:44	2.78	71.60	1.02
2017/02/10 00:59	2.58	63.68	1.01
2017/02/10 01:14	2.53	59.10	0.97
2017/02/10 01:29	2.53	56.39	0.92
2017/02/10 01:44	2.50	53.26	0.88
2017/02/10 01:59	2.34	48.61	0.88
2017/02/10 02:14	2.33	48.19	0.88
2017/02/10 02:29	2.33	45.00	0.83
2017/02/10 02:44	2.32	43.19	0.80
2017/02/10 02:59	2.28	42.08	0.80
2017/02/10 03:14	2.16	36.53	0.75
2017/02/10 03:29	2.09	34.86	0.75
2017/02/10 03:44	2.09	34.58	0.74
2017/02/10 03:59	2.09	34.51	0.74
2017/02/10 04:14	2.12	35.21	0.74
2017/02/10 04:29	2.16	36.53	0.75
2017/02/10 04:44	2.25	40.07	0.78
2017/02/10 04:59	2.26	42.15	0.81
2017/02/10 05:14	2.37	48.89	0.87
2017/02/10 05:29	2.40	51.39	0.90
2017/02/10 05:44	2.46	56.11	0.95
2017/02/10 05:59	2.51	54.86	0.90
2017/02/10 06:14	2.65	59.31	0.90
2017/02/10 06:29	2.73	63.54	0.93
2017/02/10 06:44	2.79	68.54	0.97
2017/02/10 06:59	2.87	76.60	1.04
2017/02/10 07:14	2.98	94.58	1.22
2017/02/10 07:29	3.29	126.18	1.41
2017/02/10 07:44	3.39	149.86	1.61
2017/02/10 07:59	3.43	173.75	1.83
2017/02/10 08:14	3.62	190.28	1.86
2017/02/10 08:29	3.71	197.08	1.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 08:44	3.72	197.50	1.86
2017/02/10 08:59	3.82	205.49	1.86
2017/02/10 09:14	3.82	208.33	1.89
2017/02/10 09:29	3.72	209.03	1.96
2017/02/10 09:44	3.72	238.89	2.24
2017/02/10 09:59	2.68	169.79	2.55
2017/02/10 10:14	2.65	167.22	2.55
2017/02/10 10:29	2.65	167.22	2.55
2017/02/10 10:44	2.58	161.18	2.55
2017/02/10 10:59	2.58	160.97	2.55
2017/02/10 11:14	2.58	155.83	2.47
2017/02/10 11:29	2.58	155.83	2.47
2017/02/10 11:44	2.58	153.68	2.43
2017/02/10 11:59	2.69	163.26	2.43
2017/02/10 12:14	2.69	159.24	2.37
2017/02/10 12:29	2.69	149.93	2.23
2017/02/10 12:44	2.73	153.26	2.23
2017/02/10 12:59	2.73	153.26	2.23
2017/02/10 13:14	2.73	145.97	2.13
2017/02/10 13:29	2.66	136.94	2.07
2017/02/10 13:44	2.66	136.74	2.07
2017/02/10 13:59	2.64	118.26	1.82
2017/02/10 14:14	2.59	113.33	1.78
2017/02/10 14:29	2.57	111.60	1.78
2017/02/10 14:44	2.58	114.72	1.82
2017/02/10 14:59	2.58	114.72	1.82
2017/02/10 15:14	2.58	113.26	1.79
2017/02/10 15:29	2.58	112.50	1.78
2017/02/10 15:44	2.58	113.26	1.79
2017/02/10 15:59	2.58	113.26	1.79
2017/02/10 16:14	2.59	114.17	1.79
2017/02/10 16:29	2.61	115.00	1.79
2017/02/10 16:44	2.61	117.85	1.84
2017/02/10 16:59	2.61	117.85	1.84
2017/02/10 17:14	2.61	117.85	1.84
2017/02/10 17:29	2.59	116.94	1.84
2017/02/10 17:44	2.59	121.81	1.91
2017/02/10 17:59	2.59	121.60	1.91
2017/02/10 18:14	2.57	119.72	1.91
2017/02/10 18:29	2.57	119.72	1.91
2017/02/10 18:44	2.57	121.11	1.93
2017/02/10 18:59	2.57	122.50	1.95
2017/02/10 19:14	2.57	126.04	2.01
2017/02/10 19:29	2.57	126.04	2.01
2017/02/10 19:44	2.55	125.07	2.01

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 19:59	2.55	125.07	2.01
2017/02/10 20:14	2.55	125.07	2.01
2017/02/10 20:29	2.55	125.14	2.01
2017/02/10 20:44	2.57	126.18	2.01
2017/02/10 20:59	2.59	125.76	1.98
2017/02/10 21:14	2.59	120.97	1.90
2017/02/10 21:29	2.59	120.97	1.90
2017/02/10 21:44	2.62	106.32	1.64
2017/02/10 21:59	2.59	114.72	1.80
2017/02/10 22:14	2.51	99.93	1.64
2017/02/10 22:29	2.43	95.14	1.64
2017/02/10 22:44	2.43	91.53	1.58
2017/02/10 22:59	2.43	91.53	1.58
2017/02/10 23:14	2.40	90.14	1.58
2017/02/10 23:29	2.39	89.37	1.58
2017/02/10 23:44	2.39	89.24	1.58
2017/02/10 23:59	2.39	89.24	1.58
2017/02/11 00:14	2.26	81.04	1.55
2017/02/11 00:29	2.22	71.94	1.42
2017/02/11 00:44	2.22	67.43	1.33
2017/02/11 00:59	2.21	66.32	1.32
2017/02/11 01:14	2.21	63.19	1.26
2017/02/11 01:29	2.15	58.26	1.20
2017/02/11 01:44	2.09	55.07	1.18
2017/02/11 01:59	2.07	45.49	0.99
2017/02/11 02:14	2.03	43.68	0.98
2017/02/11 02:29	2.03	43.68	0.98
2017/02/11 02:44	2.00	39.72	0.91
2017/02/11 02:59	2.00	39.31	0.90
2017/02/11 03:14	1.98	38.89	0.90
2017/02/11 03:29	1.98	38.33	0.89
2017/02/11 03:44	1.98	37.57	0.87
2017/02/11 03:59	1.97	37.22	0.87
2017/02/11 04:14	1.97	33.96	0.80
2017/02/11 04:29	2.00	33.12	0.76
2017/02/11 04:44	2.03	33.82	0.76
2017/02/11 04:59	2.15	36.87	0.76
2017/02/11 05:14	2.18	36.60	0.74
2017/02/11 05:29	2.21	34.79	0.69
2017/02/11 05:44	2.22	35.14	0.69
2017/02/11 05:59	2.25	35.62	0.69
2017/02/11 06:14	2.26	35.90	0.69
2017/02/11 06:29	2.34	37.85	0.69
2017/02/11 06:44	2.37	38.68	0.69
2017/02/11 06:59	2.39	49.86	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 07:14	2.39	51.67	0.92
2017/02/11 07:29	2.39	60.28	1.07
2017/02/11 07:44	2.40	95.49	1.68
2017/02/11 07:59	2.41	100.69	1.75
2017/02/11 08:14	2.41	100.69	1.75
2017/02/11 08:29	2.41	108.12	1.88
2017/02/11 08:44	2.46	110.83	1.88
2017/02/11 08:59	2.50	113.54	1.88
2017/02/11 09:14	2.58	125.42	1.99
2017/02/11 09:29	2.58	135.42	2.14
2017/02/11 09:44	2.58	147.99	2.34
2017/02/11 09:59	2.58	148.61	2.35
2017/02/11 10:14	2.57	147.71	2.36
2017/02/11 10:29	2.50	143.75	2.39
2017/02/11 10:44	2.57	158.68	2.53
2017/02/11 10:59	2.57	158.68	2.53
2017/02/11 11:14	2.61	162.43	2.53
2017/02/11 11:29	2.61	162.43	2.53
2017/02/11 11:44	2.62	160.42	2.48
2017/02/11 11:59	2.62	160.42	2.48
2017/02/11 12:14	2.62	157.50	2.44
2017/02/11 12:29	2.62	156.81	2.43
2017/02/11 12:44	2.61	155.14	2.42
2017/02/11 12:59	2.61	155.14	2.42
2017/02/11 13:14	2.61	153.75	2.40
2017/02/11 13:29	2.61	153.75	2.40
2017/02/11 13:44	2.58	149.72	2.37
2017/02/11 13:59	2.61	149.79	2.33
2017/02/11 14:14	2.61	138.40	2.16
2017/02/11 14:29	2.58	127.85	2.02
2017/02/11 14:44	2.58	123.12	1.95
2017/02/11 14:59	2.58	122.92	1.95
2017/02/11 15:14	2.53	115.76	1.89
2017/02/11 15:29	2.53	107.92	1.76
2017/02/11 15:44	2.51	107.01	1.76
2017/02/11 15:59	2.51	107.01	1.76
2017/02/11 16:14	2.53	109.10	1.78
2017/02/11 16:29	2.53	109.10	1.78
2017/02/11 16:44	2.53	109.10	1.78
2017/02/11 16:59	2.54	110.00	1.78
2017/02/11 17:14	2.57	116.11	1.85
2017/02/11 17:29	2.57	116.11	1.85
2017/02/11 17:44	2.58	121.25	1.92
2017/02/11 17:59	2.57	120.35	1.92
2017/02/11 18:14	2.58	121.25	1.92

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 18:29	2.58	124.37	1.97
2017/02/11 18:44	2.61	139.10	2.17
2017/02/11 18:59	2.61	139.10	2.17
2017/02/11 19:14	2.61	139.10	2.17
2017/02/11 19:29	2.61	129.31	2.02
2017/02/11 19:44	2.61	138.40	2.16
2017/02/11 19:59	2.61	129.31	2.02
2017/02/11 20:14	2.61	111.81	1.74
2017/02/11 20:29	2.50	97.43	1.62
2017/02/11 20:44	2.51	98.26	1.62
2017/02/11 20:59	2.51	98.26	1.62
2017/02/11 21:14	2.50	97.43	1.62
2017/02/11 21:29	2.40	92.01	1.62
2017/02/11 21:44	2.40	96.04	1.69
2017/02/11 21:59	2.37	94.37	1.69
2017/02/11 22:14	2.33	92.01	1.69
2017/02/11 22:29	2.33	92.01	1.69
2017/02/11 22:44	2.37	94.51	1.69
2017/02/11 22:59	2.37	94.37	1.69
2017/02/11 23:14	2.32	90.07	1.67
2017/02/11 23:29	2.32	86.25	1.60
2017/02/11 23:44	2.32	86.25	1.60
2017/02/11 23:59	2.26	80.21	1.54
2017/02/12 00:14	2.26	80.21	1.54
2017/02/12 00:29	2.25	71.25	1.38
2017/02/12 00:44	2.25	64.58	1.25
2017/02/12 00:59	2.21	60.56	1.20
2017/02/12 01:14	2.21	62.85	1.25
2017/02/12 01:29	2.21	62.85	1.25
2017/02/12 01:44	2.21	62.85	1.25
2017/02/12 01:59	2.18	60.07	1.22
2017/02/12 02:14	2.12	57.22	1.20
2017/02/12 02:29	2.11	56.32	1.19
2017/02/12 02:44	2.07	43.54	0.95
2017/02/12 02:59	2.03	42.29	0.95
2017/02/12 03:14	2.03	41.94	0.94
2017/02/12 03:29	2.03	41.53	0.93
2017/02/12 03:44	2.03	41.53	0.93
2017/02/12 03:59	2.03	38.54	0.87
2017/02/12 04:14	2.25	43.12	0.83
2017/02/12 04:29	2.28	37.01	0.70
2017/02/12 04:44	2.28	36.53	0.69
2017/02/12 04:59	2.28	34.24	0.65
2017/02/12 05:14	2.28	36.53	0.69
2017/02/12 05:29	2.28	36.53	0.69

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 05:44	2.28	36.53	0.69
2017/02/12 05:59	2.34	39.37	0.72
2017/02/12 06:14	2.39	46.32	0.82
2017/02/12 06:29	2.39	47.92	0.85
2017/02/12 06:44	2.39	48.12	0.85
2017/02/12 06:59	2.39	49.31	0.87
2017/02/12 07:14	2.44	74.72	1.28
2017/02/12 07:29	2.44	81.67	1.40
2017/02/12 07:44	2.44	93.68	1.61
2017/02/12 07:59	2.44	94.17	1.61
2017/02/12 08:14	2.47	100.42	1.69
2017/02/12 08:29	2.57	106.74	1.70
2017/02/12 08:44	2.57	107.22	1.71
2017/02/12 08:59	2.58	108.06	1.71
2017/02/12 09:14	2.59	119.17	1.87
2017/02/12 09:29	2.62	121.04	1.87
2017/02/12 09:44	2.69	125.69	1.87
2017/02/12 09:59	2.86	137.01	1.87
2017/02/12 10:14	2.86	135.97	1.86
2017/02/12 10:29	2.86	132.29	1.81
2017/02/12 10:44	2.87	136.94	1.86
2017/02/12 10:59	2.89	137.92	1.86
2017/02/12 11:14	2.90	149.44	2.00
2017/02/12 11:29	2.93	151.53	2.00
2017/02/12 11:44	2.93	157.08	2.07
2017/02/12 11:59	2.90	160.83	2.15
2017/02/12 12:14	2.97	166.39	2.15
2017/02/12 12:29	2.98	167.50	2.15
2017/02/12 12:44	3.01	148.68	1.89
2017/02/12 12:59	3.04	134.17	1.68
2017/02/12 13:14	3.07	152.64	1.89
2017/02/12 13:29	3.07	152.64	1.89
2017/02/12 13:44	3.07	152.64	1.89
2017/02/12 13:59	3.07	157.29	1.94
2017/02/12 14:14	3.07	157.29	1.94
2017/02/12 14:29	2.93	147.22	1.94
2017/02/12 14:44	2.93	147.22	1.94
2017/02/12 14:59	2.93	120.56	1.59
2017/02/12 15:14	2.93	108.96	1.44
2017/02/12 15:29	2.94	109.72	1.44
2017/02/12 15:44	2.96	110.49	1.44
2017/02/12 15:59	2.98	123.82	1.59
2017/02/12 16:14	3.14	132.99	1.59
2017/02/12 16:29	3.14	132.99	1.59
2017/02/12 16:44	3.15	135.62	1.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 16:59	3.19	138.19	1.61
2017/02/12 17:14	3.30	158.26	1.76
2017/02/12 17:29	3.30	142.22	1.58
2017/02/12 17:44	3.30	142.22	1.58
2017/02/12 17:59	3.29	141.32	1.58
2017/02/12 18:14	3.29	142.57	1.59
2017/02/12 18:29	3.29	142.57	1.59
2017/02/12 18:44	3.29	142.57	1.59
2017/02/12 18:59	3.29	141.32	1.58
2017/02/12 19:14	3.37	147.71	1.59
2017/02/12 19:29	3.37	139.93	1.51
2017/02/12 19:44	3.43	142.36	1.50
2017/02/12 19:59	3.43	135.14	1.43
2017/02/12 20:14	3.43	135.14	1.43
2017/02/12 20:29	3.36	132.57	1.44
2017/02/12 20:44	3.36	132.57	1.44
2017/02/12 20:59	3.32	127.99	1.41
2017/02/12 21:14	3.36	125.62	1.36
2017/02/12 21:29	3.36	130.28	1.41
2017/02/12 21:44	3.32	123.47	1.36
2017/02/12 21:59	3.48	132.36	1.36
2017/02/12 22:14	3.48	128.96	1.33
2017/02/12 22:29	3.32	120.28	1.33
2017/02/12 22:44	3.21	114.58	1.33
2017/02/12 22:59	3.12	110.35	1.33
2017/02/12 23:14	3.08	105.76	1.30
2017/02/12 23:29	3.08	103.26	1.27
2017/02/12 23:44	3.07	97.29	1.20
2017/02/12 23:59	2.82	75.62	1.06
2017/02/13 00:14	2.80	71.46	1.00
2017/02/13 00:29	2.66	66.32	1.00
2017/02/13 00:44	2.61	62.29	0.97
2017/02/13 00:59	2.59	60.14	0.94
2017/02/13 01:14	2.32	51.04	0.94
2017/02/13 01:29	2.23	44.65	0.87
2017/02/13 01:44	2.15	42.29	0.87
2017/02/13 01:59	2.08	40.28	0.87
2017/02/13 02:14	2.03	38.61	0.87
2017/02/13 02:29	2.00	37.57	0.86
2017/02/13 02:44	2.00	37.57	0.86
2017/02/13 02:59	2.00	38.33	0.88
2017/02/13 03:14	2.00	39.10	0.90
2017/02/13 03:29	2.00	38.33	0.88
2017/02/13 03:44	1.98	36.94	0.86
2017/02/13 03:59	1.98	37.92	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 04:14	2.00	38.33	0.88
2017/02/13 04:29	2.01	36.53	0.83
2017/02/13 04:44	2.00	36.18	0.83
2017/02/13 04:59	2.01	36.53	0.83
2017/02/13 05:14	2.03	35.69	0.80
2017/02/13 05:29	2.05	39.51	0.87
2017/02/13 05:44	2.12	41.46	0.87
2017/02/13 05:59	2.15	42.29	0.87
2017/02/13 06:14	2.22	44.31	0.87
2017/02/13 06:29	2.39	49.58	0.88
2017/02/13 06:44	2.39	55.62	0.99
2017/02/13 06:59	2.72	69.31	1.02
2017/02/13 07:14	3.02	92.36	1.16
2017/02/13 07:29	3.50	128.61	1.32
2017/02/13 07:44	3.55	143.40	1.44
2017/02/13 07:59	3.55	167.15	1.68
2017/02/13 08:14	3.55	175.69	1.76
2017/02/13 08:29	3.55	184.65	1.85
2017/02/13 08:44	3.37	171.46	1.85
2017/02/13 08:59	3.25	162.50	1.85
2017/02/13 09:14	3.23	182.29	2.09
2017/02/13 09:29	3.12	173.47	2.09
2017/02/13 09:44	3.12	177.36	2.14
2017/02/13 09:59	3.12	177.36	2.14
2017/02/13 10:14	3.12	177.36	2.14
2017/02/13 10:29	3.12	179.24	2.16
2017/02/13 10:44	2.97	168.06	2.17
2017/02/13 10:59	2.94	165.76	2.17
2017/02/13 11:14	2.91	163.54	2.17
2017/02/13 11:29	2.86	165.35	2.26
2017/02/13 11:44	2.86	159.10	2.17
2017/02/13 11:59	2.86	165.35	2.26
2017/02/13 12:14	2.86	130.56	1.78
2017/02/13 12:29	2.84	129.58	1.78
2017/02/13 12:44	2.84	135.28	1.86
2017/02/13 12:59	2.82	133.40	1.86
2017/02/13 13:14	2.75	128.68	1.86
2017/02/13 13:29	2.79	136.53	1.93
2017/02/13 13:44	2.75	133.61	1.93
2017/02/13 13:59	2.72	131.67	1.93
2017/02/13 14:14	2.68	131.53	1.97
2017/02/13 14:29	2.68	131.53	1.97
2017/02/13 14:44	2.68	131.53	1.97
2017/02/13 14:59	2.61	126.46	1.97
2017/02/13 15:14	2.61	119.65	1.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 15:29	2.55	108.06	1.74
2017/02/13 15:44	2.61	111.53	1.74
2017/02/13 15:59	2.61	111.53	1.74
2017/02/13 16:14	2.55	108.06	1.74
2017/02/13 16:29	2.55	108.06	1.74
2017/02/13 16:44	2.55	110.90	1.78
2017/02/13 16:59	2.55	117.78	1.89
2017/02/13 17:14	2.55	117.78	1.89
2017/02/13 17:29	2.55	119.31	1.92
2017/02/13 17:44	2.55	117.78	1.89
2017/02/13 17:59	2.55	117.78	1.89
2017/02/13 18:14	2.55	117.78	1.89
2017/02/13 18:29	2.55	116.25	1.87
2017/02/13 18:44	2.55	116.25	1.87
2017/02/13 18:59	2.57	116.04	1.85
2017/02/13 19:14	2.69	122.71	1.83
2017/02/13 19:29	2.72	126.11	1.85
2017/02/13 19:44	2.80	133.33	1.87
2017/02/13 19:59	2.82	134.24	1.87
2017/02/13 20:14	2.82	156.46	2.18
2017/02/13 20:29	2.82	153.40	2.14
2017/02/13 20:44	2.84	155.90	2.15
2017/02/13 20:59	2.84	155.90	2.15
2017/02/13 21:14	2.82	153.68	2.15
2017/02/13 21:29	2.82	153.68	2.15
2017/02/13 21:44	2.82	153.40	2.14
2017/02/13 21:59	2.82	149.79	2.09
2017/02/13 22:14	2.82	137.01	1.91
2017/02/13 22:29	2.80	136.04	1.91
2017/02/13 22:44	2.80	136.04	1.91
2017/02/13 22:59	2.75	132.15	1.91
2017/02/13 23:14	2.54	110.90	1.80
2017/02/13 23:29	2.54	110.90	1.80
2017/02/13 23:44	2.34	86.94	1.58
2017/02/13 23:59	2.34	83.75	1.52
2017/02/14 00:14	2.28	78.12	1.48
2017/02/14 00:29	2.28	60.42	1.15
2017/02/14 00:44	2.28	58.89	1.12
2017/02/14 00:59	2.25	57.78	1.12
2017/02/14 01:14	2.25	57.78	1.12
2017/02/14 01:29	2.22	54.51	1.07
2017/02/14 01:44	2.19	50.83	1.02
2017/02/14 01:59	2.19	50.07	1.00
2017/02/14 02:14	2.07	45.97	1.00
2017/02/14 02:29	2.07	45.97	1.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 02:44	2.04	43.96	0.98
2017/02/14 02:59	2.04	43.33	0.96
2017/02/14 03:14	1.97	40.49	0.95
2017/02/14 03:29	1.97	39.58	0.93
2017/02/14 03:44	1.96	39.24	0.93
2017/02/14 03:59	1.90	35.28	0.87
2017/02/14 04:14	1.90	35.28	0.87
2017/02/14 04:29	1.90	35.28	0.87
2017/02/14 04:44	1.90	35.28	0.87
2017/02/14 04:59	1.96	36.74	0.87
2017/02/14 05:14	1.96	37.50	0.89
2017/02/14 05:29	2.03	39.51	0.89
2017/02/14 05:44	2.05	42.01	0.93
2017/02/14 05:59	2.12	47.64	1.00
2017/02/14 06:14	2.15	48.68	1.00
2017/02/14 06:29	2.21	50.97	1.01
2017/02/14 06:44	2.22	55.90	1.10
2017/02/14 06:59	2.44	89.03	1.53
2017/02/14 07:14	2.46	102.71	1.75
2017/02/14 07:29	2.62	125.35	1.94
2017/02/14 07:44	2.90	153.89	2.06
2017/02/14 07:59	3.04	164.58	2.06
2017/02/14 08:14	3.04	172.71	2.16
2017/02/14 08:29	3.04	164.58	2.06
2017/02/14 08:44	2.98	168.19	2.16
2017/02/14 08:59	3.04	172.71	2.16
2017/02/14 09:14	3.08	158.19	1.94
2017/02/14 09:29	3.08	148.12	1.82
2017/02/14 09:44	2.98	151.11	1.94
2017/02/14 09:59	2.93	147.08	1.94
2017/02/14 10:14	2.93	147.08	1.94
2017/02/14 10:29	2.86	133.12	1.82
2017/02/14 10:44	2.82	139.17	1.94
2017/02/14 10:59	2.79	128.47	1.82
2017/02/14 11:14	2.76	142.15	2.04
2017/02/14 11:29	2.75	139.44	2.02
2017/02/14 11:44	2.75	139.44	2.02
2017/02/14 11:59	2.71	136.39	2.02
2017/02/14 12:14	2.71	136.39	2.02
2017/02/14 12:29	2.64	131.39	2.02
2017/02/14 12:44	2.64	131.39	2.02
2017/02/14 12:59	2.64	131.39	2.02
2017/02/14 13:14	2.64	124.65	1.91
2017/02/14 13:29	2.61	120.21	1.87
2017/02/14 13:44	2.61	120.21	1.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 13:59	2.61	122.78	1.91
2017/02/14 14:14	2.61	120.21	1.87
2017/02/14 14:29	2.61	116.94	1.82
2017/02/14 14:44	2.54	112.50	1.82
2017/02/14 14:59	2.54	112.50	1.82
2017/02/14 15:14	2.53	111.60	1.82
2017/02/14 15:29	2.54	112.50	1.82
2017/02/14 15:44	2.54	112.50	1.82
2017/02/14 15:59	2.54	112.50	1.82
2017/02/14 16:14	2.54	117.43	1.90
2017/02/14 16:29	2.54	110.35	1.79
2017/02/14 16:44	2.53	109.51	1.79
2017/02/14 16:59	2.54	114.31	1.85
2017/02/14 17:14	2.54	120.35	1.95
2017/02/14 17:29	2.55	121.25	1.95
2017/02/14 17:44	2.55	121.25	1.95
2017/02/14 17:59	2.57	122.22	1.95
2017/02/14 18:14	2.57	123.12	1.96
2017/02/14 18:29	2.58	124.03	1.96
2017/02/14 18:44	2.59	128.89	2.02
2017/02/14 18:59	2.59	128.89	2.02
2017/02/14 19:14	2.58	126.67	2.01
2017/02/14 19:29	2.58	130.14	2.06
2017/02/14 19:44	2.58	130.14	2.06
2017/02/14 19:59	2.58	131.67	2.08
2017/02/14 20:14	2.59	127.64	2.01
2017/02/14 20:29	2.58	124.72	1.97
2017/02/14 20:44	2.59	125.69	1.97
2017/02/14 20:59	2.61	126.67	1.97
2017/02/14 21:14	2.62	127.64	1.97
2017/02/14 21:29	2.61	126.67	1.97
2017/02/14 21:44	2.61	126.67	1.97
2017/02/14 21:59	2.61	136.74	2.13
2017/02/14 22:14	2.61	136.74	2.13
2017/02/14 22:29	2.62	131.67	2.04
2017/02/14 22:44	2.55	126.67	2.04
2017/02/14 22:59	2.55	122.29	1.97
2017/02/14 23:14	2.54	113.26	1.84
2017/02/14 23:29	2.46	107.78	1.83
2017/02/14 23:44	2.44	95.14	1.63
2017/02/14 23:59	2.40	92.08	1.62
2017/02/15 00:14	2.28	85.14	1.62
2017/02/15 00:29	2.28	80.69	1.53
2017/02/15 00:44	2.25	73.96	1.43
2017/02/15 00:59	2.22	65.56	1.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 01:14	2.21	63.89	1.27
2017/02/15 01:29	2.04	44.31	0.99
2017/02/15 01:44	2.04	44.31	0.99
2017/02/15 01:59	2.04	43.96	0.98
2017/02/15 02:14	1.97	41.60	0.97
2017/02/15 02:29	1.97	41.60	0.97
2017/02/15 02:44	1.97	41.60	0.97
2017/02/15 02:59	1.94	39.10	0.94
2017/02/15 03:14	1.94	37.85	0.90
2017/02/15 03:29	1.94	36.53	0.87
2017/02/15 03:44	1.94	35.97	0.86
2017/02/15 03:59	1.94	35.97	0.86
2017/02/15 04:14	1.94	35.62	0.85
2017/02/15 04:29	1.94	32.78	0.78
2017/02/15 04:44	1.96	33.12	0.78
2017/02/15 04:59	2.00	34.17	0.78
2017/02/15 05:14	2.00	37.50	0.86
2017/02/15 05:29	2.11	43.54	0.92
2017/02/15 05:44	2.16	49.31	1.01
2017/02/15 05:59	2.16	54.24	1.11
2017/02/15 06:14	2.16	57.15	1.17
2017/02/15 06:29	2.19	59.72	1.20
2017/02/15 06:44	2.33	66.39	1.22
2017/02/15 06:59	2.41	79.24	1.38
2017/02/15 07:14	2.43	110.07	1.90
2017/02/15 07:29	2.55	133.12	2.14
2017/02/15 07:44	2.83	156.60	2.17
2017/02/15 07:59	2.94	173.26	2.27
2017/02/15 08:14	3.02	180.28	2.27
2017/02/15 08:29	3.02	183.68	2.31
2017/02/15 08:44	3.02	183.68	2.31
2017/02/15 08:59	2.98	181.87	2.34
2017/02/15 09:14	3.02	183.68	2.31
2017/02/15 09:29	2.98	155.49	2.00
2017/02/15 09:44	2.98	138.40	1.78
2017/02/15 09:59	2.93	151.39	2.00
2017/02/15 10:14	2.84	145.28	2.00
2017/02/15 10:29	2.93	161.81	2.14
2017/02/15 10:44	2.82	153.06	2.14
2017/02/15 10:59	2.78	149.79	2.14
2017/02/15 11:14	2.75	148.96	2.15
2017/02/15 11:29	2.72	147.85	2.17
2017/02/15 11:44	2.72	147.85	2.17
2017/02/15 11:59	2.72	147.85	2.17
2017/02/15 12:14	2.71	145.69	2.15

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 12:29	2.72	140.56	2.06
2017/02/15 12:44	2.71	123.61	1.83
2017/02/15 12:59	2.72	124.51	1.83
2017/02/15 13:14	2.71	118.75	1.76
2017/02/15 13:29	2.71	113.61	1.68
2017/02/15 13:44	2.73	120.56	1.76
2017/02/15 13:59	2.73	120.56	1.76
2017/02/15 14:14	2.68	120.49	1.81
2017/02/15 14:29	2.68	134.37	2.02
2017/02/15 14:44	2.68	141.94	2.13
2017/02/15 14:59	2.68	141.94	2.13
2017/02/15 15:14	2.65	139.79	2.13
2017/02/15 15:29	2.61	127.43	1.99
2017/02/15 15:44	2.57	124.51	1.99
2017/02/15 15:59	2.57	119.37	1.90
2017/02/15 16:14	2.55	116.74	1.88
2017/02/15 16:29	2.55	116.25	1.87
2017/02/15 16:44	2.55	115.76	1.86
2017/02/15 16:59	2.55	116.25	1.87
2017/02/15 17:14	2.61	119.93	1.87
2017/02/15 17:29	2.64	121.74	1.87
2017/02/15 17:44	2.64	121.74	1.87
2017/02/15 17:59	2.66	138.33	2.09
2017/02/15 18:14	2.69	140.42	2.09
2017/02/15 18:29	2.69	140.83	2.10
2017/02/15 18:44	2.71	141.46	2.09
2017/02/15 18:59	2.72	142.50	2.09
2017/02/15 19:14	2.76	145.35	2.09
2017/02/15 19:29	2.80	148.82	2.09
2017/02/15 19:44	2.80	148.47	2.09
2017/02/15 19:59	2.73	143.26	2.09
2017/02/15 20:14	2.83	125.49	1.74
2017/02/15 20:29	2.83	150.62	2.09
2017/02/15 20:44	2.82	148.82	2.08
2017/02/15 20:59	2.82	124.10	1.73
2017/02/15 21:14	2.73	118.82	1.73
2017/02/15 21:29	2.71	110.90	1.64
2017/02/15 21:44	2.82	148.82	2.08
2017/02/15 21:59	2.68	145.56	2.19
2017/02/15 22:14	2.68	138.33	2.08
2017/02/15 22:29	2.68	131.25	1.97
2017/02/15 22:44	2.62	129.79	2.01
2017/02/15 22:59	2.62	127.36	1.97
2017/02/15 23:14	2.59	125.42	1.97
2017/02/15 23:29	2.53	114.24	1.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 23:44	2.48	93.96	1.57
2017/02/15 23:59	2.23	79.24	1.55
2017/02/16 00:14	2.23	76.39	1.49
2017/02/16 00:29	2.22	73.54	1.45
2017/02/16 00:44	2.22	73.54	1.45
2017/02/16 00:59	2.21	65.28	1.30
2017/02/16 01:14	2.16	63.47	1.30
2017/02/16 01:29	2.16	63.26	1.29
2017/02/16 01:44	2.09	55.83	1.20
2017/02/16 01:59	2.09	53.06	1.14
2017/02/16 02:14	2.09	55.35	1.19
2017/02/16 02:29	2.08	54.86	1.19
2017/02/16 02:44	2.07	52.08	1.14
2017/02/16 02:59	2.07	54.10	1.18
2017/02/16 03:14	2.05	49.44	1.09
2017/02/16 03:29	2.04	53.06	1.18
2017/02/16 03:44	2.04	53.06	1.18
2017/02/16 03:59	2.04	53.06	1.18
2017/02/16 04:14	2.04	51.74	1.15
2017/02/16 04:29	2.04	52.43	1.17
2017/02/16 04:44	2.04	51.74	1.15
2017/02/16 04:59	2.04	51.74	1.15
2017/02/16 05:14	2.07	51.94	1.13
2017/02/16 05:29	2.08	53.26	1.15
2017/02/16 05:44	2.09	53.82	1.15
2017/02/16 05:59	2.09	54.51	1.17
2017/02/16 06:14	2.15	56.60	1.17
2017/02/16 06:29	2.18	67.36	1.36
2017/02/16 06:44	2.22	69.37	1.37
2017/02/16 06:59	2.29	92.99	1.75
2017/02/16 07:14	2.47	104.24	1.76
2017/02/16 07:29	2.64	115.28	1.77
2017/02/16 07:44	2.90	150.69	2.02
2017/02/16 07:59	2.98	156.94	2.02
2017/02/16 08:14	2.98	163.82	2.11
2017/02/16 08:29	3.02	170.97	2.15
2017/02/16 08:44	3.05	169.31	2.11
2017/02/16 08:59	3.05	169.31	2.11
2017/02/16 09:14	3.05	169.31	2.11
2017/02/16 09:29	3.02	170.97	2.15
2017/02/16 09:44	2.98	168.12	2.16
2017/02/16 09:59	2.98	171.53	2.20
2017/02/16 10:14	2.97	170.42	2.20
2017/02/16 10:29	2.97	170.49	2.21
2017/02/16 10:44	2.86	165.35	2.26

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 10:59	2.86	165.35	2.26
2017/02/16 11:14	2.86	165.35	2.26
2017/02/16 11:29	2.83	160.28	2.22
2017/02/16 11:44	2.83	118.33	1.64
2017/02/16 11:59	2.83	130.35	1.81
2017/02/16 12:14	2.82	129.44	1.81
2017/02/16 12:29	2.79	127.64	1.81
2017/02/16 12:44	2.79	141.53	2.00
2017/02/16 12:59	2.79	141.53	2.00
2017/02/16 13:14	2.78	140.49	2.00
2017/02/16 13:29	2.68	133.47	2.00
2017/02/16 13:44	2.68	133.47	2.00
2017/02/16 13:59	2.79	129.31	1.83
2017/02/16 14:14	2.65	120.21	1.83
2017/02/16 14:29	2.64	119.10	1.83
2017/02/16 14:44	2.58	101.11	1.60
2017/02/16 14:59	2.58	115.49	1.83
2017/02/16 15:14	2.57	114.79	1.83
2017/02/16 15:29	2.57	122.22	1.95
2017/02/16 15:44	2.57	122.22	1.95
2017/02/16 15:59	2.57	122.22	1.95
2017/02/16 16:14	2.57	122.22	1.95
2017/02/16 16:29	2.55	121.25	1.95
2017/02/16 16:44	2.55	121.25	1.95
2017/02/16 16:59	2.57	122.22	1.95
2017/02/16 17:14	2.61	128.82	2.01
2017/02/16 17:29	2.61	130.69	2.04
2017/02/16 17:44	2.61	130.69	2.04
2017/02/16 17:59	2.61	130.69	2.04
2017/02/16 18:14	2.65	135.49	2.06
2017/02/16 18:29	2.65	135.49	2.06
2017/02/16 18:44	2.65	135.49	2.06
2017/02/16 18:59	2.64	135.69	2.08
2017/02/16 19:14	2.62	134.65	2.08
2017/02/16 19:29	2.62	125.21	1.94
2017/02/16 19:44	2.62	126.94	1.96
2017/02/16 19:59	2.62	126.94	1.96
2017/02/16 20:14	2.58	124.03	1.96
2017/02/16 20:29	2.58	124.03	1.96
2017/02/16 20:44	2.51	119.24	1.96
2017/02/16 20:59	2.51	119.24	1.96
2017/02/16 21:14	2.51	119.65	1.97
2017/02/16 21:29	2.51	123.89	2.04
2017/02/16 21:44	2.51	119.65	1.97
2017/02/16 21:59	2.54	121.53	1.97

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 22:14	2.69	127.43	1.90
2017/02/16 22:29	2.69	127.43	1.90
2017/02/16 22:44	2.71	133.19	1.97
2017/02/16 22:59	2.71	133.61	1.98
2017/02/16 23:14	2.69	132.64	1.98
2017/02/16 23:29	2.66	130.69	1.98
2017/02/16 23:44	2.66	130.69	1.98
2017/02/16 23:59	2.53	120.97	1.98
2017/02/17 00:14	2.50	110.07	1.83
2017/02/17 00:29	2.46	99.79	1.70
2017/02/17 00:44	2.36	89.65	1.62
2017/02/17 00:59	2.26	74.86	1.43
2017/02/17 01:14	2.26	69.86	1.34
2017/02/17 01:29	2.26	60.35	1.16
2017/02/17 01:44	2.19	57.36	1.15
2017/02/17 01:59	2.19	51.74	1.04
2017/02/17 02:14	2.19	51.25	1.03
2017/02/17 02:29	2.16	50.83	1.04
2017/02/17 02:44	2.18	50.76	1.03
2017/02/17 02:59	2.19	51.25	1.03
2017/02/17 03:14	2.18	50.42	1.02
2017/02/17 03:29	2.18	48.89	0.99
2017/02/17 03:44	2.18	47.64	0.96
2017/02/17 03:59	2.18	47.01	0.95
2017/02/17 04:14	2.18	46.53	0.94
2017/02/17 04:29	2.18	46.67	0.94
2017/02/17 04:44	2.18	45.35	0.92
2017/02/17 04:59	2.18	46.67	0.94
2017/02/17 05:14	2.22	47.99	0.94
2017/02/17 05:29	2.26	49.58	0.95
2017/02/17 05:44	2.28	51.67	0.98
2017/02/17 05:59	2.32	55.97	1.04
2017/02/17 06:14	2.36	59.24	1.07
2017/02/17 06:29	2.39	66.94	1.19
2017/02/17 06:44	2.48	76.60	1.28
2017/02/17 06:59	2.57	83.19	1.33
2017/02/17 07:14	2.58	96.87	1.53
2017/02/17 07:29	2.71	115.14	1.70
2017/02/17 07:44	2.75	142.71	2.06
2017/02/17 07:59	2.78	144.79	2.06
2017/02/17 08:14	2.86	151.04	2.06
2017/02/17 08:29	2.86	153.61	2.10
2017/02/17 08:44	2.89	153.19	2.06
2017/02/17 08:59	2.91	155.28	2.06
2017/02/17 09:14	2.91	150.00	1.99

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 09:29	3.22	172.99	1.99
2017/02/17 09:44	3.22	172.99	1.99
2017/02/17 09:59	3.08	183.47	2.25
2017/02/17 10:14	3.08	186.46	2.29
2017/02/17 10:29	3.08	186.46	2.29
2017/02/17 10:44	3.02	179.58	2.26



David Evans	~1737 Valley Park Av
2017.01-02 Site 3 Valley Park MH	Manhole No. 0603

Access:
Manhole in parking area of school maintenance operations dept.

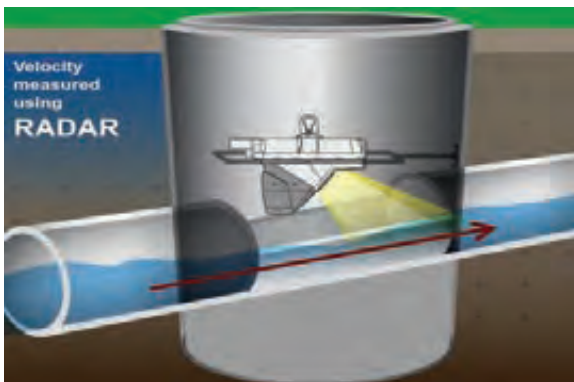
System Type:
Sanitary Storm

Install Date: 1/18/2017

Map



Technology



Sewer Plan



Flow Meter

Meter Depth: 92"		
Map Coordinates: 33.866591, -118.397812		
Turbulent open channel hydraulics due to angle & force of inflow from one of the upstream lines.		
Avg Velocity	Avg Measured Level	Multiplier
2.5 fps	6.0"	1

Gas

O2	H2S	CO	LEL
20.9	0	0	0

Notes

Could not locate MH 0602, so downstream MH was used, which had terrible hydraulics.

Traffic Safety

No traffic near MH during installation or removal.

Land Use

Residential	Commercial	Industrial	Trunk
X	X		

Manhole Depth	115"
Monitored Pipe Size	15"
Inner Pipe Size (In/Out)	15"/15"
Pipe Shape	Round
Pipe Condition	Fair
Manhole Material	Brick
Silt	0
Velocity Profile Data	*
Velocity Profile Taken	0.4 2-D
Sensor Offset	23.71"
Sensor Dist. to Crown	8.71"
Sensor Direction	Downstream
Flow Heading	North



Meter Site Document

David Evans

2017.01-02 Site 3 Valley Park MH

~1737 Valley Park Av

Site



Manhole Hydraulics



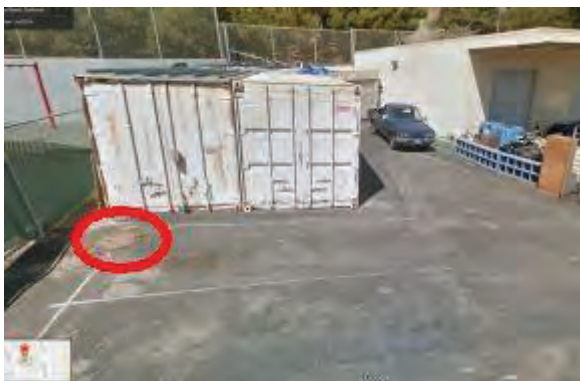
Installation Process



Installed



MH 0603



MH 0602 Not Located





Utility Systems Science and Software

Report Date: 02/20/2017
 Customer: David Evans
 Group: Hermosa Beach
 SiteID: 2636

Statistics for 2017.01-02 Site 3 Valley Park MH: 01/19/2017 thru 02/16/2017

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Total Gal	Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min		
1/19/17	649.46	865.41	240.62	0.94	1.25	0.35	3.36	3.76	2.63	5.64	6.79	3.34	935,226	0.76
1/20/17	632.28	1253.61	195.90	0.91	1.81	0.28	3.12	3.63	2.17	6.00	14.37	2.97	910,484	1.29
1/21/17	558.77	849.58	182.50	0.81	1.22	0.26	3.19	3.75	2.35	5.14	6.95	2.98	804,632	
1/22/17	526.57	1139.44	225.28	0.76	1.64	0.32	2.46	3.63	0.66	7.27	17.41	3.18	758,255	3.72
Week:	591.77	1253.61	182.50	0.85	1.81	0.26	3.03	3.76	0.66	6.01	17.41	2.97	3,408,597	5.77
1/23/17	339.32	645.62	86.53	0.49	0.93	0.12	1.88	2.78	1.00	5.16	6.58	3.15	488,617	0.13
1/24/17	366.77	670.83	72.08	0.53	0.97	0.10	2.09	2.93	0.96	5.03	6.50	2.87	528,150	
1/25/17	345.01	543.12	93.75	0.50	0.78	0.14	1.96	2.40	1.27	5.15	6.66	2.87	496,821	
1/26/17	345.59	584.03	73.06	0.50	0.84	0.11	1.95	2.61	1.01	5.09	6.70	2.84	497,651	
1/27/17	356.25	593.26	105.21	0.51	0.85	0.15	1.98	2.68	1.18	5.24	6.76	3.27	512,997	
1/28/17	357.78	633.40	96.39	0.52	0.91	0.14	1.95	2.52	1.13	5.27	7.11	3.05	515,199	
1/29/17	363.57	579.65	83.82	0.52	0.84	0.12	1.93	2.56	0.97	5.34	6.98	3.11	523,536	
Week:	353.47	670.83	72.08	0.51	0.97	0.10	1.96	2.93	0.96	5.18	7.11	2.84	3,562,972	0.13
1/30/17	364.30	666.04	84.44	0.52	0.96	0.12	2.02	2.77	1.13	5.16	6.94	2.90	524,589	
1/31/17	348.43	627.57	106.04	0.50	0.90	0.15	1.95	2.68	1.05	5.20	6.86	3.08	501,738	
2/1/17	367.64	615.41	125.28	0.53	0.89	0.18	2.05	2.55	1.56	5.25	7.04	3.05	529,400	
2/2/17	373.13	623.33	83.47	0.54	0.90	0.12	2.01	2.64	0.92	5.29	6.98	3.07	537,301	

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/3/17	367.17	638.33	75.21	0.53	0.92	0.11	1.89	2.59	0.93	5.41	7.70	3.07	528,723	0.39
2/4/17	364.82	602.71	80.90	0.53	0.87	0.12	1.91	2.60	0.92	5.32	7.09	3.09	525,346	
2/5/17	373.20	738.26	91.53	0.54	1.06	0.13	1.97	2.83	1.04	5.28	7.19	3.14	537,402	
Week:	365.53	738.26	75.21	0.53	1.06	0.11	1.97	2.83	0.92	5.27	7.70	2.90	3,684,501	0.39
2/6/17	459.15	876.59	103.40	0.66	1.26	0.15	2.12	2.79	1.21	6.05	9.58	3.16	661,181	1.43
2/7/17	463.20	744.58	172.92	0.67	1.07	0.25	2.41	3.31	1.74	5.56	7.58	3.54	667,011	0.64
2/8/17	481.71	798.96	146.53	0.69	1.15	0.21	2.62	3.25	1.61	5.27	6.87	3.08	693,667	0.07
2/9/17	513.46	802.91	143.82	0.74	1.16	0.21	2.77	3.31	1.70	5.33	6.80	3.16	739,387	
2/10/17	500.12	813.19	105.97	0.72	1.17	0.15	2.68	3.33	1.28	5.32	6.87	3.05	720,167	0.33
2/11/17	490.96	779.86	137.92	0.71	1.12	0.20	2.67	3.26	1.59	5.27	7.01	3.09	706,976	0.01
2/12/17	492.86	780.28	154.31	0.71	1.12	0.22	2.65	3.33	1.73	5.32	6.95	3.23	709,715	
Week:	485.92	876.59	103.40	0.70	1.26	0.15	2.56	3.33	1.21	5.45	9.58	3.05	4,898,105	2.48
2/13/17	504.06	775.28	162.43	0.73	1.12	0.23	2.72	3.34	1.96	5.33	6.69	3.07	725,851	
2/14/17	481.60	772.57	161.25	0.69	1.11	0.23	2.65	3.27	1.95	5.28	6.90	3.11	693,510	
2/15/17	509.14	766.87	146.67	0.73	1.11	0.21	2.78	3.32	1.71	5.26	6.82	2.91	733,161	
2/16/17	484.02	732.78	116.25	0.70	1.06	0.17	2.61	3.16	1.46	5.29	6.93	2.97	696,996	
Week:	494.71	775.28	116.25	0.71	1.12	0.17	2.69	3.34	1.46	5.29	6.93	2.91	2,849,518	
Totals:	440.70	1253.61	72.08	0.64	1.81	0.10	2.36	3.76	0.66	5.40	17.41	2.84	18,403,693	8.77



Data for 2017.01-02 Site 3 Valley Park MH: 1/18/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 11:57	6.02	644.23	3.11
2017/01/18 12:12	6.11	723.68	3.43
2017/01/18 12:27	6.02	749.65	3.62
2017/01/18 12:42	5.68	698.12	3.65
2017/01/18 12:57	5.80	530.35	2.70
2017/01/18 13:12	5.64	638.68	3.38
2017/01/18 13:27	5.80	664.23	3.38
2017/01/18 13:42	5.80	664.23	3.38
2017/01/18 13:57	5.80	664.23	3.38
2017/01/18 14:12	5.76	643.26	3.30
2017/01/18 14:27	5.76	643.26	3.30
2017/01/18 14:42	5.65	626.94	3.30
2017/01/18 14:57	5.68	630.76	3.30
2017/01/18 15:12	5.68	631.04	3.30
2017/01/18 15:27	5.59	659.72	3.52
2017/01/18 15:42	5.58	627.08	3.36
2017/01/18 15:57	5.52	648.68	3.52
2017/01/18 16:12	5.58	657.57	3.52
2017/01/18 16:27	5.59	639.44	3.42
2017/01/18 16:42	5.59	639.44	3.42
2017/01/18 16:57	5.52	628.75	3.42
2017/01/18 17:12	5.61	638.47	3.40
2017/01/18 17:27	5.62	640.62	3.40
2017/01/18 17:42	5.66	627.22	3.29
2017/01/18 17:57	5.70	602.36	3.13
2017/01/18 18:12	5.70	602.36	3.13
2017/01/18 18:27	5.75	636.46	3.28
2017/01/18 18:42	5.75	608.33	3.13
2017/01/18 18:57	5.79	614.23	3.13
2017/01/18 19:12	5.97	640.07	3.13
2017/01/18 19:27	6.00	673.82	3.28
2017/01/18 19:42	6.11	690.55	3.28
2017/01/18 19:57	6.32	779.79	3.54
2017/01/18 20:12	6.34	688.68	3.11
2017/01/18 20:27	6.34	694.10	3.13
2017/01/18 20:42	6.34	694.10	3.13
2017/01/18 20:57	6.34	784.30	3.54
2017/01/18 21:12	6.34	784.30	3.54
2017/01/18 21:27	6.25	783.33	3.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 21:42	6.25	783.33	3.61
2017/01/18 21:57	6.22	778.75	3.61
2017/01/18 22:12	6.12	762.57	3.61
2017/01/18 22:27	6.08	734.30	3.51
2017/01/18 22:42	5.86	697.43	3.50
2017/01/18 22:57	5.34	579.58	3.29
2017/01/18 23:12	5.27	566.18	3.27
2017/01/18 23:27	4.55	465.07	3.29
2017/01/18 23:42	4.54	460.48	3.27
2017/01/18 23:57	4.54	456.46	3.25
2017/01/19 00:12	4.41	439.10	3.25
2017/01/19 00:27	4.33	405.07	3.07
2017/01/19 00:42	4.21	378.82	3.00
2017/01/19 00:57	3.86	316.39	2.82
2017/01/19 01:12	3.69	294.58	2.80
2017/01/19 01:27	3.68	292.08	2.79
2017/01/19 01:42	3.52	265.00	2.69
2017/01/19 01:57	3.44	255.55	2.68
2017/01/19 02:12	3.34	243.26	2.66
2017/01/19 02:27	3.34	243.26	2.66
2017/01/19 02:42	3.34	240.62	2.63
2017/01/19 02:57	3.34	240.62	2.63
2017/01/19 03:12	4.29	345.28	2.66
2017/01/19 03:27	4.33	373.89	2.84
2017/01/19 03:42	4.47	390.69	2.84
2017/01/19 03:57	4.47	398.89	2.90
2017/01/19 04:12	4.62	417.92	2.90
2017/01/19 04:27	4.62	426.46	2.96
2017/01/19 04:42	4.62	461.94	3.20
2017/01/19 04:57	4.82	490.35	3.21
2017/01/19 05:12	6.68	764.16	3.22
2017/01/19 05:27	6.68	865.07	3.65
2017/01/19 05:42	6.68	865.07	3.65
2017/01/19 05:57	6.68	865.07	3.65
2017/01/19 06:12	5.91	736.46	3.65
2017/01/19 06:27	5.14	516.46	3.10
2017/01/19 06:42	5.14	516.46	3.10
2017/01/19 06:57	5.14	516.46	3.10
2017/01/19 07:12	5.14	516.46	3.10
2017/01/19 07:27	5.48	625.97	3.43
2017/01/19 07:42	6.15	730.21	3.43
2017/01/19 07:57	6.70	818.47	3.43
2017/01/19 08:12	6.79	832.15	3.44
2017/01/19 08:27	6.79	831.80	3.43
2017/01/19 08:42	6.79	826.25	3.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 08:57	6.79	826.25	3.41
2017/01/19 09:12	6.79	826.25	3.41
2017/01/19 09:27	6.51	782.22	3.41
2017/01/19 09:42	6.45	773.47	3.41
2017/01/19 09:57	6.45	771.39	3.40
2017/01/19 10:12	6.45	696.66	3.07
2017/01/19 10:27	6.44	769.23	3.40
2017/01/19 10:42	6.33	745.00	3.37
2017/01/19 10:57	6.33	745.00	3.37
2017/01/19 11:12	6.29	745.21	3.40
2017/01/19 11:27	6.29	738.47	3.37
2017/01/19 11:42	6.26	792.98	3.64
2017/01/19 11:57	5.98	746.53	3.64
2017/01/19 12:12	5.98	741.46	3.62
2017/01/19 12:27	5.87	723.12	3.62
2017/01/19 12:42	5.86	687.08	3.45
2017/01/19 12:57	5.86	687.08	3.45
2017/01/19 13:12	5.86	687.08	3.45
2017/01/19 13:27	5.76	671.80	3.45
2017/01/19 13:42	5.76	693.19	3.56
2017/01/19 13:57	5.70	663.12	3.45
2017/01/19 14:12	5.70	684.23	3.56
2017/01/19 14:27	5.70	706.80	3.68
2017/01/19 14:42	5.70	722.64	3.76
2017/01/19 14:57	5.70	722.64	3.76
2017/01/19 15:12	5.70	722.64	3.76
2017/01/19 15:27	5.70	721.80	3.75
2017/01/19 15:42	5.70	721.80	3.75
2017/01/19 15:57	5.65	699.30	3.69
2017/01/19 16:12	5.65	680.76	3.59
2017/01/19 16:27	5.65	660.76	3.48
2017/01/19 16:42	5.65	660.76	3.48
2017/01/19 16:57	5.65	660.76	3.48
2017/01/19 17:12	5.77	680.55	3.48
2017/01/19 17:27	5.77	680.55	3.48
2017/01/19 17:42	5.77	662.98	3.39
2017/01/19 17:57	5.91	707.22	3.51
2017/01/19 18:12	5.94	720.34	3.55
2017/01/19 18:27	6.07	751.46	3.60
2017/01/19 18:42	6.12	760.69	3.60
2017/01/19 18:57	6.14	751.94	3.55
2017/01/19 19:12	6.23	719.93	3.33
2017/01/19 19:27	6.23	719.93	3.33
2017/01/19 19:42	6.27	726.32	3.33
2017/01/19 19:57	6.29	728.47	3.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 20:12	6.32	732.71	3.33
2017/01/19 20:27	6.39	743.40	3.33
2017/01/19 20:42	6.39	756.39	3.38
2017/01/19 20:57	6.32	767.01	3.48
2017/01/19 21:12	6.32	767.01	3.48
2017/01/19 21:27	6.32	809.72	3.68
2017/01/19 21:42	6.32	809.72	3.68
2017/01/19 21:57	6.47	844.72	3.72
2017/01/19 22:12	6.55	865.41	3.74
2017/01/19 22:27	6.55	865.41	3.74
2017/01/19 22:42	6.55	865.41	3.74
2017/01/19 22:57	6.55	865.41	3.74
2017/01/19 23:12	6.09	772.08	3.68
2017/01/19 23:27	5.58	624.79	3.35
2017/01/19 23:42	5.08	538.40	3.28
2017/01/19 23:57	4.79	486.67	3.21
2017/01/20 00:12	4.62	451.32	3.13
2017/01/20 00:27	4.14	380.48	3.08
2017/01/20 00:42	4.05	369.79	3.08
2017/01/20 00:57	3.96	348.05	3.00
2017/01/20 01:12	3.90	327.29	2.88
2017/01/20 01:27	3.61	288.47	2.83
2017/01/20 01:42	3.48	272.36	2.81
2017/01/20 01:57	3.40	259.72	2.77
2017/01/20 02:12	3.25	242.78	2.76
2017/01/20 02:27	3.14	230.76	2.76
2017/01/20 02:42	3.14	226.18	2.71
2017/01/20 02:57	3.01	207.29	2.63
2017/01/20 03:12	2.97	203.19	2.63
2017/01/20 03:27	2.97	195.90	2.53
2017/01/20 03:42	2.97	195.90	2.53
2017/01/20 03:57	3.01	207.29	2.63
2017/01/20 04:12	3.02	216.87	2.73
2017/01/20 04:27	3.76	298.47	2.76
2017/01/20 04:42	4.32	392.08	2.99
2017/01/20 04:57	4.89	465.42	2.99
2017/01/20 05:12	4.89	491.04	3.15
2017/01/20 05:27	4.89	465.42	2.99
2017/01/20 05:42	4.89	459.44	2.95
2017/01/20 05:57	4.47	406.25	2.95
2017/01/20 06:12	4.47	420.28	3.05
2017/01/20 06:27	4.47	420.28	3.05
2017/01/20 06:42	4.47	445.07	3.23
2017/01/20 06:57	5.25	524.17	3.05
2017/01/20 07:12	6.09	641.32	3.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 07:27	7.20	798.75	3.05
2017/01/20 07:42	7.93	1014.44	3.43
2017/01/20 07:57	7.93	1029.30	3.49
2017/01/20 08:12	7.93	959.02	3.25
2017/01/20 08:27	7.93	806.66	2.73
2017/01/20 08:42	7.52	897.91	3.25
2017/01/20 08:57	7.05	853.05	3.35
2017/01/20 09:12	7.05	853.05	3.35
2017/01/20 09:27	6.84	820.48	3.35
2017/01/20 09:42	6.84	820.48	3.35
2017/01/20 09:57	6.84	845.55	3.45
2017/01/20 10:12	7.05	879.09	3.45
2017/01/20 10:27	7.18	899.23	3.45
2017/01/20 10:42	7.18	899.23	3.45
2017/01/20 10:57	7.22	942.01	3.59
2017/01/20 11:12	7.22	905.97	3.45
2017/01/20 11:27	7.22	871.53	3.32
2017/01/20 11:42	8.15	941.32	3.08
2017/01/20 11:57	9.70	1160.76	3.08
2017/01/20 12:12	14.15	1253.61	2.33
2017/01/20 12:27	14.37	1179.58	2.17
2017/01/20 12:42	14.37	1179.58	2.17
2017/01/20 12:57	14.37	1179.58	2.17
2017/01/20 13:12	14.37	1179.58	2.17
2017/01/20 13:27	7.82	700.90	2.42
2017/01/20 13:42	7.15	762.36	2.94
2017/01/20 13:57	6.58	791.46	3.40
2017/01/20 14:12	6.47	773.96	3.40
2017/01/20 14:27	6.07	710.69	3.40
2017/01/20 14:42	5.98	697.71	3.40
2017/01/20 14:57	5.87	673.40	3.37
2017/01/20 15:12	5.86	660.35	3.31
2017/01/20 15:27	5.73	652.08	3.37
2017/01/20 15:42	5.73	652.08	3.37
2017/01/20 15:57	5.80	662.78	3.37
2017/01/20 16:12	5.73	647.08	3.34
2017/01/20 16:27	5.61	632.98	3.37
2017/01/20 16:42	5.73	658.33	3.40
2017/01/20 16:57	5.77	681.73	3.49
2017/01/20 17:12	5.80	686.18	3.49
2017/01/20 17:27	5.77	653.40	3.34
2017/01/20 17:42	5.77	631.32	3.23
2017/01/20 17:57	5.90	730.48	3.63
2017/01/20 18:12	5.93	706.66	3.49
2017/01/20 18:27	5.93	706.66	3.49

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 18:42	5.90	702.22	3.49
2017/01/20 18:57	5.90	702.22	3.49
2017/01/20 19:12	5.93	706.66	3.49
2017/01/20 19:27	5.90	712.08	3.54
2017/01/20 19:42	5.90	702.22	3.49
2017/01/20 19:57	5.90	693.33	3.45
2017/01/20 20:12	5.83	682.43	3.45
2017/01/20 20:27	5.83	641.60	3.24
2017/01/20 20:42	5.75	669.30	3.45
2017/01/20 20:57	5.69	660.62	3.45
2017/01/20 21:12	5.61	598.89	3.19
2017/01/20 21:27	5.54	588.89	3.19
2017/01/20 21:42	5.44	574.93	3.19
2017/01/20 21:57	5.26	549.16	3.19
2017/01/20 22:12	5.25	554.79	3.23
2017/01/20 22:27	5.14	531.46	3.19
2017/01/20 22:42	4.97	477.08	2.99
2017/01/20 22:57	4.80	478.89	3.15
2017/01/20 23:12	4.80	455.21	2.99
2017/01/20 23:27	4.80	448.26	2.95
2017/01/20 23:42	4.76	442.92	2.95
2017/01/20 23:57	4.66	430.48	2.95
2017/01/21 00:12	4.37	394.44	2.95
2017/01/21 00:27	4.33	389.17	2.95
2017/01/21 00:42	4.22	338.47	2.66
2017/01/21 00:57	3.98	312.29	2.66
2017/01/21 01:12	3.89	325.49	2.87
2017/01/21 01:27	3.51	282.08	2.87
2017/01/21 01:42	3.46	255.55	2.66
2017/01/21 01:57	3.43	240.62	2.54
2017/01/21 02:12	3.39	235.35	2.53
2017/01/21 02:27	3.32	229.65	2.54
2017/01/21 02:42	3.23	225.97	2.59
2017/01/21 02:57	3.19	216.39	2.53
2017/01/21 03:12	3.18	214.51	2.52
2017/01/21 03:27	3.14	210.49	2.52
2017/01/21 03:42	3.07	201.18	2.49
2017/01/21 03:57	3.05	196.18	2.44
2017/01/21 04:12	2.98	189.86	2.44
2017/01/21 04:27	2.98	189.86	2.44
2017/01/21 04:42	2.98	189.86	2.44
2017/01/21 04:57	2.98	182.50	2.35
2017/01/21 05:12	3.00	191.11	2.44
2017/01/21 05:27	3.05	197.78	2.46
2017/01/21 05:42	3.07	218.19	2.70

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 05:57	3.21	237.29	2.75
2017/01/21 06:12	3.34	246.87	2.70
2017/01/21 06:27	3.46	272.08	2.84
2017/01/21 06:42	3.46	272.08	2.84
2017/01/21 06:57	3.47	275.28	2.85
2017/01/21 07:12	3.72	304.72	2.86
2017/01/21 07:27	4.05	377.15	3.14
2017/01/21 07:42	4.50	436.04	3.14
2017/01/21 07:57	4.54	461.18	3.28
2017/01/21 08:12	4.96	521.73	3.29
2017/01/21 08:27	5.50	607.71	3.32
2017/01/21 08:42	5.76	658.75	3.38
2017/01/21 08:57	5.95	680.97	3.34
2017/01/21 09:12	6.11	704.37	3.34
2017/01/21 09:27	6.20	719.30	3.34
2017/01/21 09:42	6.47	760.07	3.34
2017/01/21 09:57	6.75	812.29	3.38
2017/01/21 10:12	6.77	816.66	3.38
2017/01/21 10:27	6.83	825.41	3.38
2017/01/21 10:42	6.83	825.41	3.38
2017/01/21 10:57	6.83	825.41	3.38
2017/01/21 11:12	6.95	845.14	3.38
2017/01/21 11:27	6.95	842.08	3.37
2017/01/21 11:42	6.84	807.84	3.30
2017/01/21 11:57	6.83	805.69	3.30
2017/01/21 12:12	6.76	795.00	3.30
2017/01/21 12:27	6.75	809.37	3.37
2017/01/21 12:42	6.64	810.97	3.45
2017/01/21 12:57	6.64	826.80	3.52
2017/01/21 13:12	6.48	801.87	3.52
2017/01/21 13:27	6.45	827.08	3.65
2017/01/21 13:42	6.45	827.08	3.65
2017/01/21 13:57	6.45	849.58	3.75
2017/01/21 14:12	6.45	786.94	3.47
2017/01/21 14:27	6.36	771.32	3.47
2017/01/21 14:42	6.32	693.05	3.15
2017/01/21 14:57	6.29	760.21	3.47
2017/01/21 15:12	6.09	729.16	3.47
2017/01/21 15:27	6.01	715.90	3.47
2017/01/21 15:42	5.97	696.46	3.41
2017/01/21 15:57	5.97	661.60	3.24
2017/01/21 16:12	5.97	696.46	3.41
2017/01/21 16:27	5.95	738.75	3.63
2017/01/21 16:42	5.95	738.75	3.63
2017/01/21 16:57	5.97	732.36	3.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 17:12	6.04	752.57	3.63
2017/01/21 17:27	6.04	752.57	3.63
2017/01/21 17:42	6.04	752.57	3.63
2017/01/21 17:57	6.02	741.46	3.58
2017/01/21 18:12	6.02	741.46	3.58
2017/01/21 18:27	6.02	741.46	3.58
2017/01/21 18:42	5.97	688.68	3.37
2017/01/21 18:57	5.93	682.29	3.37
2017/01/21 19:12	5.97	745.14	3.65
2017/01/21 19:27	5.93	738.19	3.65
2017/01/21 19:42	5.80	723.96	3.68
2017/01/21 19:57	5.79	715.07	3.65
2017/01/21 20:12	5.79	709.65	3.62
2017/01/21 20:27	5.72	698.26	3.62
2017/01/21 20:42	5.72	692.64	3.59
2017/01/21 20:57	5.68	685.90	3.59
2017/01/21 21:12	5.40	640.90	3.59
2017/01/21 21:27	5.27	619.72	3.58
2017/01/21 21:42	5.21	592.29	3.49
2017/01/21 21:57	5.15	583.68	3.49
2017/01/21 22:12	5.00	560.14	3.49
2017/01/21 22:27	5.00	563.05	3.51
2017/01/21 22:42	4.89	543.12	3.49
2017/01/21 22:57	4.77	474.17	3.14
2017/01/21 23:12	4.77	447.71	2.97
2017/01/21 23:27	4.55	419.17	2.97
2017/01/21 23:42	4.48	388.82	2.81
2017/01/21 23:57	4.48	410.28	2.97
2017/01/22 00:12	4.30	368.40	2.82
2017/01/22 00:27	4.22	347.64	2.74
2017/01/22 00:42	4.14	325.21	2.63
2017/01/22 00:57	3.90	299.51	2.63
2017/01/22 01:12	3.83	292.01	2.63
2017/01/22 01:27	3.83	298.47	2.69
2017/01/22 01:42	3.55	268.40	2.69
2017/01/22 01:57	3.47	253.89	2.63
2017/01/22 02:12	3.46	250.69	2.61
2017/01/22 02:27	3.44	256.60	2.69
2017/01/22 02:42	3.39	243.61	2.61
2017/01/22 02:57	3.36	247.78	2.69
2017/01/22 03:12	3.33	240.83	2.65
2017/01/22 03:27	3.30	230.35	2.56
2017/01/22 03:42	3.23	230.90	2.65
2017/01/22 03:57	3.18	225.28	2.65
2017/01/22 04:12	3.18	225.28	2.65

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 04:27	3.18	227.08	2.67
2017/01/22 04:42	3.18	227.08	2.67
2017/01/22 04:57	3.25	234.24	2.67
2017/01/22 05:12	3.30	239.93	2.67
2017/01/22 05:27	3.34	238.68	2.61
2017/01/22 05:42	3.43	256.67	2.71
2017/01/22 05:57	3.50	268.68	2.75
2017/01/22 06:12	3.50	268.68	2.75
2017/01/22 06:27	4.00	324.44	2.75
2017/01/22 06:42	4.00	347.78	2.95
2017/01/22 06:57	4.00	358.40	3.04
2017/01/22 07:12	4.00	358.40	3.04
2017/01/22 07:27	4.02	362.08	3.04
2017/01/22 07:42	4.02	362.08	3.04
2017/01/22 07:57	4.02	390.90	3.29
2017/01/22 08:12	4.73	502.36	3.37
2017/01/22 08:27	5.61	681.46	3.63
2017/01/22 08:42	5.90	729.58	3.63
2017/01/22 08:57	5.94	736.46	3.63
2017/01/22 09:12	6.00	745.69	3.63
2017/01/22 09:27	6.11	764.16	3.63
2017/01/22 09:42	6.93	813.82	3.27
2017/01/22 09:57	7.20	836.66	3.20
2017/01/22 10:12	7.20	836.66	3.20
2017/01/22 10:27	7.20	836.66	3.20
2017/01/22 10:42	7.52	884.44	3.20
2017/01/22 10:57	7.52	847.71	3.07
2017/01/22 11:12	7.52	847.71	3.07
2017/01/22 11:27	8.29	1010.76	3.24
2017/01/22 11:42	8.68	1069.09	3.24
2017/01/22 11:57	8.77	1034.65	3.09
2017/01/22 12:12	8.93	1047.50	3.07
2017/01/22 12:27	9.20	1086.39	3.07
2017/01/22 12:42	9.27	829.30	2.32
2017/01/22 12:57	12.40	1117.36	2.29
2017/01/22 13:12	12.40	1114.37	2.29
2017/01/22 13:27	14.09	1116.32	2.08
2017/01/22 13:42	15.86	1139.44	2.07
2017/01/22 13:57	16.24	1035.41	1.88
2017/01/22 14:12	16.73	556.32	1.01
2017/01/22 14:27	16.87	545.41	0.99
2017/01/22 14:42	17.19	545.41	0.99
2017/01/22 14:57	17.30	365.00	0.66
2017/01/22 15:12	17.30	365.00	0.66
2017/01/22 15:27	17.30	364.17	0.66

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 15:42	17.41	364.17	0.66
2017/01/22 15:57	17.41	364.17	0.66
2017/01/22 16:12	17.19	375.07	0.68
2017/01/22 16:27	17.04	375.07	0.68
2017/01/22 16:42	15.69	699.79	1.27
2017/01/22 16:57	10.69	665.14	1.58
2017/01/22 17:12	8.59	753.40	2.31
2017/01/22 17:27	8.29	720.69	2.31
2017/01/22 17:42	6.94	575.48	2.31
2017/01/22 17:57	6.77	546.18	2.26
2017/01/22 18:12	6.73	541.80	2.26
2017/01/22 18:27	6.58	542.78	2.33
2017/01/22 18:42	6.50	559.58	2.45
2017/01/22 18:57	6.50	517.01	2.26
2017/01/22 19:12	6.39	518.33	2.32
2017/01/22 19:27	6.43	551.73	2.45
2017/01/22 19:42	6.39	547.01	2.45
2017/01/22 19:57	6.37	545.41	2.45
2017/01/22 20:12	6.37	516.87	2.32
2017/01/22 20:27	6.37	516.87	2.32
2017/01/22 20:42	6.37	579.44	2.60
2017/01/22 20:57	6.37	579.44	2.60
2017/01/22 21:12	6.33	549.79	2.49
2017/01/22 21:27	6.30	546.60	2.49
2017/01/22 21:42	6.29	537.98	2.46
2017/01/22 21:57	5.90	494.17	2.46
2017/01/22 22:12	5.79	445.48	2.27
2017/01/22 22:27	5.37	397.85	2.24
2017/01/22 22:42	5.11	371.46	2.24
2017/01/22 22:57	5.09	370.07	2.24
2017/01/22 23:12	5.09	358.75	2.18
2017/01/22 23:27	5.09	352.22	2.14
2017/01/22 23:42	5.09	352.22	2.14
2017/01/22 23:57	5.00	343.05	2.14
2017/01/23 00:12	4.76	315.69	2.10
2017/01/23 00:27	4.68	308.05	2.10
2017/01/23 00:42	4.54	294.24	2.09
2017/01/23 00:57	4.29	234.86	1.81
2017/01/23 01:12	3.73	181.39	1.70
2017/01/23 01:27	3.72	136.46	1.28
2017/01/23 01:42	3.50	120.56	1.24
2017/01/23 01:57	3.36	110.49	1.20
2017/01/23 02:12	3.36	103.47	1.12
2017/01/23 02:27	3.21	86.53	1.00
2017/01/23 02:42	3.21	86.53	1.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 02:57	3.21	89.17	1.03
2017/01/23 03:12	3.15	87.64	1.04
2017/01/23 03:27	3.15	87.01	1.03
2017/01/23 03:42	3.15	87.01	1.03
2017/01/23 03:57	3.15	87.64	1.04
2017/01/23 04:12	3.15	88.68	1.05
2017/01/23 04:27	3.15	87.64	1.04
2017/01/23 04:42	3.15	98.40	1.17
2017/01/23 04:57	3.15	98.40	1.17
2017/01/23 05:12	3.16	99.03	1.17
2017/01/23 05:27	3.21	95.90	1.11
2017/01/23 05:42	3.21	95.76	1.11
2017/01/23 05:57	3.41	104.72	1.11
2017/01/23 06:12	3.62	114.03	1.11
2017/01/23 06:27	3.86	124.65	1.11
2017/01/23 06:42	4.46	207.71	1.52
2017/01/23 06:57	4.66	244.86	1.68
2017/01/23 07:12	5.04	319.72	1.97
2017/01/23 07:27	5.08	323.33	1.97
2017/01/23 07:42	5.72	392.08	2.03
2017/01/23 07:57	6.43	443.68	1.97
2017/01/23 08:12	6.54	468.61	2.03
2017/01/23 08:27	6.58	507.98	2.19
2017/01/23 08:42	6.58	507.98	2.19
2017/01/23 08:57	6.58	607.71	2.61
2017/01/23 09:12	6.58	645.62	2.78
2017/01/23 09:27	6.57	643.89	2.78
2017/01/23 09:42	6.52	638.47	2.78
2017/01/23 09:57	6.50	597.57	2.61
2017/01/23 10:12	6.45	555.21	2.45
2017/01/23 10:27	6.43	549.65	2.44
2017/01/23 10:42	6.43	538.26	2.39
2017/01/23 10:57	6.15	507.71	2.39
2017/01/23 11:12	6.14	506.18	2.39
2017/01/23 11:27	6.14	471.87	2.23
2017/01/23 11:42	6.14	519.10	2.45
2017/01/23 11:57	6.14	520.07	2.45
2017/01/23 12:12	6.14	520.07	2.45
2017/01/23 12:27	6.14	520.07	2.45
2017/01/23 12:42	6.20	462.57	2.15
2017/01/23 12:57	6.20	422.22	1.96
2017/01/23 13:12	6.20	393.61	1.83
2017/01/23 13:27	6.11	383.54	1.82
2017/01/23 13:42	5.98	373.12	1.82
2017/01/23 13:57	5.98	373.12	1.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 14:12	5.95	372.64	1.83
2017/01/23 14:27	5.69	348.89	1.82
2017/01/23 14:42	5.25	309.58	1.80
2017/01/23 14:57	5.23	308.47	1.80
2017/01/23 15:12	5.14	303.47	1.82
2017/01/23 15:27	5.14	303.47	1.82
2017/01/23 15:42	5.14	313.19	1.88
2017/01/23 15:57	5.00	292.29	1.82
2017/01/23 16:12	5.00	316.80	1.97
2017/01/23 16:27	5.02	319.24	1.97
2017/01/23 16:42	5.02	294.58	1.82
2017/01/23 16:57	5.02	287.15	1.77
2017/01/23 17:12	5.02	287.15	1.77
2017/01/23 17:27	5.02	287.15	1.77
2017/01/23 17:42	5.46	321.18	1.77
2017/01/23 17:57	5.61	333.40	1.77
2017/01/23 18:12	5.73	343.47	1.77
2017/01/23 18:27	5.82	383.05	1.94
2017/01/23 18:42	5.82	383.33	1.94
2017/01/23 18:57	5.83	390.28	1.97
2017/01/23 19:12	5.91	397.78	1.97
2017/01/23 19:27	5.93	399.03	1.97
2017/01/23 19:42	6.12	416.60	1.97
2017/01/23 19:57	6.20	426.11	1.98
2017/01/23 20:12	6.22	427.43	1.98
2017/01/23 20:27	6.27	446.80	2.05
2017/01/23 20:42	6.25	444.17	2.05
2017/01/23 20:57	6.25	452.78	2.09
2017/01/23 21:12	6.25	461.04	2.12
2017/01/23 21:27	6.25	556.80	2.57
2017/01/23 21:42	6.15	545.35	2.57
2017/01/23 21:57	6.12	542.01	2.57
2017/01/23 22:12	5.62	479.51	2.54
2017/01/23 22:27	5.62	479.51	2.54
2017/01/23 22:42	5.55	412.98	2.23
2017/01/23 22:57	5.14	358.19	2.15
2017/01/23 23:12	4.94	337.85	2.14
2017/01/23 23:27	4.84	317.43	2.06
2017/01/23 23:42	4.62	297.08	2.06
2017/01/23 23:57	4.55	287.71	2.04
2017/01/24 00:12	4.51	278.96	2.00
2017/01/24 00:27	4.33	263.54	2.00
2017/01/24 00:42	3.98	221.80	1.89
2017/01/24 00:57	3.62	166.81	1.63
2017/01/24 01:12	3.48	151.46	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 01:27	3.44	144.93	1.52
2017/01/24 01:42	3.37	127.78	1.38
2017/01/24 01:57	3.18	102.92	1.21
2017/01/24 02:12	3.09	99.10	1.21
2017/01/24 02:27	3.05	96.53	1.20
2017/01/24 02:42	2.97	92.78	1.20
2017/01/24 02:57	2.96	92.15	1.20
2017/01/24 03:12	2.87	90.97	1.23
2017/01/24 03:27	2.87	90.97	1.23
2017/01/24 03:42	2.87	90.97	1.23
2017/01/24 03:57	2.87	75.42	1.02
2017/01/24 04:12	2.87	72.08	0.98
2017/01/24 04:27	2.87	72.08	0.98
2017/01/24 04:42	2.89	72.57	0.98
2017/01/24 04:57	2.98	74.31	0.96
2017/01/24 05:12	2.98	74.31	0.96
2017/01/24 05:27	3.02	80.90	1.02
2017/01/24 05:42	3.19	88.75	1.04
2017/01/24 05:57	3.21	101.18	1.17
2017/01/24 06:12	3.86	184.51	1.65
2017/01/24 06:27	4.14	266.80	2.16
2017/01/24 06:42	4.34	297.85	2.25
2017/01/24 06:57	4.91	357.01	2.28
2017/01/24 07:12	5.29	394.79	2.28
2017/01/24 07:27	5.80	453.26	2.30
2017/01/24 07:42	6.04	478.12	2.30
2017/01/24 07:57	6.50	559.58	2.45
2017/01/24 08:12	6.50	638.05	2.79
2017/01/24 08:27	6.50	638.05	2.79
2017/01/24 08:42	6.50	670.83	2.93
2017/01/24 08:57	6.36	652.01	2.93
2017/01/24 09:12	6.36	594.03	2.67
2017/01/24 09:27	6.34	542.29	2.45
2017/01/24 09:42	6.34	592.29	2.67
2017/01/24 09:57	6.33	590.62	2.67
2017/01/24 10:12	6.32	597.29	2.71
2017/01/24 10:27	6.25	580.35	2.67
2017/01/24 10:42	6.23	578.61	2.67
2017/01/24 10:57	6.00	523.54	2.55
2017/01/24 11:12	6.00	523.54	2.55
2017/01/24 11:27	6.00	475.28	2.31
2017/01/24 11:42	5.97	472.29	2.31
2017/01/24 11:57	5.95	470.83	2.31
2017/01/24 12:12	5.95	470.83	2.31
2017/01/24 12:27	5.95	466.18	2.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 12:42	5.75	448.89	2.31
2017/01/24 12:57	5.68	441.60	2.31
2017/01/24 13:12	5.61	451.53	2.40
2017/01/24 13:27	5.61	430.00	2.29
2017/01/24 13:42	5.61	430.00	2.29
2017/01/24 13:57	5.61	429.44	2.29
2017/01/24 14:12	5.61	440.07	2.34
2017/01/24 14:27	5.29	406.46	2.34
2017/01/24 14:42	5.21	397.71	2.34
2017/01/24 14:57	5.12	379.65	2.29
2017/01/24 15:12	5.05	372.64	2.29
2017/01/24 15:27	4.96	362.85	2.29
2017/01/24 15:42	4.96	357.29	2.25
2017/01/24 15:57	4.93	326.87	2.08
2017/01/24 16:12	4.93	326.87	2.08
2017/01/24 16:27	4.96	339.37	2.14
2017/01/24 16:42	5.00	346.46	2.16
2017/01/24 16:57	5.04	365.07	2.25
2017/01/24 17:12	5.34	395.62	2.25
2017/01/24 17:27	5.34	395.62	2.25
2017/01/24 17:42	5.39	399.79	2.25
2017/01/24 17:57	5.55	416.67	2.25
2017/01/24 18:12	5.55	422.57	2.28
2017/01/24 18:27	5.55	418.05	2.26
2017/01/24 18:42	5.55	422.57	2.28
2017/01/24 18:57	5.55	422.57	2.28
2017/01/24 19:12	5.61	452.43	2.41
2017/01/24 19:27	5.77	470.62	2.41
2017/01/24 19:42	5.91	504.93	2.50
2017/01/24 19:57	5.91	504.93	2.50
2017/01/24 20:12	6.02	517.64	2.50
2017/01/24 20:27	6.04	504.03	2.43
2017/01/24 20:42	6.05	505.62	2.43
2017/01/24 20:57	6.05	464.93	2.23
2017/01/24 21:12	5.97	456.39	2.23
2017/01/24 21:27	5.97	422.43	2.07
2017/01/24 21:42	5.97	456.39	2.23
2017/01/24 21:57	5.97	456.39	2.23
2017/01/24 22:12	5.89	414.58	2.07
2017/01/24 22:27	5.82	407.98	2.07
2017/01/24 22:42	5.75	448.61	2.31
2017/01/24 22:57	5.25	450.76	2.63
2017/01/24 23:12	5.25	450.76	2.63
2017/01/24 23:27	5.18	389.44	2.31
2017/01/24 23:42	4.83	354.10	2.31

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 23:57	4.68	338.75	2.31
2017/01/25 00:12	4.36	285.00	2.14
2017/01/25 00:27	4.21	262.43	2.08
2017/01/25 00:42	4.18	229.24	1.83
2017/01/25 00:57	3.82	201.94	1.83
2017/01/25 01:12	3.80	186.87	1.70
2017/01/25 01:27	3.46	163.19	1.70
2017/01/25 01:42	3.44	154.72	1.62
2017/01/25 01:57	3.33	134.44	1.48
2017/01/25 02:12	3.07	114.72	1.42
2017/01/25 02:27	3.07	120.28	1.49
2017/01/25 02:42	3.02	115.62	1.46
2017/01/25 02:57	3.01	108.75	1.38
2017/01/25 03:12	2.96	98.40	1.28
2017/01/25 03:27	2.94	97.71	1.28
2017/01/25 03:42	2.93	97.08	1.28
2017/01/25 03:57	2.89	108.12	1.46
2017/01/25 04:12	2.87	107.36	1.46
2017/01/25 04:27	2.87	93.75	1.27
2017/01/25 04:42	2.87	108.47	1.47
2017/01/25 04:57	2.89	116.53	1.57
2017/01/25 05:12	3.11	129.51	1.57
2017/01/25 05:27	3.16	135.69	1.60
2017/01/25 05:42	3.19	150.21	1.75
2017/01/25 05:57	3.21	154.79	1.80
2017/01/25 06:12	3.57	182.92	1.82
2017/01/25 06:27	4.11	223.19	1.82
2017/01/25 06:42	4.18	251.25	2.01
2017/01/25 06:57	4.47	282.08	2.05
2017/01/25 07:12	5.36	361.94	2.05
2017/01/25 07:27	5.48	412.08	2.26
2017/01/25 07:42	5.91	460.62	2.28
2017/01/25 07:57	6.44	516.04	2.28
2017/01/25 08:12	6.44	516.04	2.28
2017/01/25 08:27	6.66	543.12	2.30
2017/01/25 08:42	6.66	543.12	2.30
2017/01/25 08:57	6.66	543.12	2.30
2017/01/25 09:12	6.52	528.33	2.30
2017/01/25 09:27	6.45	510.55	2.25
2017/01/25 09:42	6.40	466.80	2.08
2017/01/25 09:57	6.40	466.80	2.08
2017/01/25 10:12	6.30	457.50	2.08
2017/01/25 10:27	6.30	454.44	2.07
2017/01/25 10:42	6.30	448.40	2.04
2017/01/25 10:57	6.20	448.12	2.08

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 11:12	6.16	483.19	2.27
2017/01/25 11:27	6.16	483.19	2.27
2017/01/25 11:42	6.12	431.46	2.04
2017/01/25 11:57	6.12	429.51	2.03
2017/01/25 12:12	6.11	396.04	1.88
2017/01/25 12:27	6.08	355.62	1.70
2017/01/25 12:42	6.05	353.47	1.70
2017/01/25 12:57	6.05	353.47	1.70
2017/01/25 13:12	6.05	391.25	1.88
2017/01/25 13:27	5.89	419.44	2.09
2017/01/25 13:42	5.89	430.76	2.15
2017/01/25 13:57	5.80	429.23	2.18
2017/01/25 14:12	5.68	416.80	2.18
2017/01/25 14:27	5.54	403.12	2.18
2017/01/25 14:42	5.54	403.12	2.18
2017/01/25 14:57	5.46	394.93	2.18
2017/01/25 15:12	5.36	385.42	2.18
2017/01/25 15:27	5.36	374.93	2.12
2017/01/25 15:42	5.33	364.23	2.08
2017/01/25 15:57	5.33	364.23	2.08
2017/01/25 16:12	5.23	355.21	2.08
2017/01/25 16:27	5.33	364.23	2.08
2017/01/25 16:42	5.39	396.53	2.23
2017/01/25 16:57	5.58	416.04	2.23
2017/01/25 17:12	5.55	413.26	2.23
2017/01/25 17:27	5.58	416.04	2.23
2017/01/25 17:42	5.61	389.03	2.07
2017/01/25 17:57	5.73	387.15	2.00
2017/01/25 18:12	5.87	399.86	2.00
2017/01/25 18:27	5.90	400.55	1.99
2017/01/25 18:42	5.90	402.36	2.00
2017/01/25 18:57	5.91	417.78	2.07
2017/01/25 19:12	6.11	421.46	2.00
2017/01/25 19:27	6.11	497.98	2.36
2017/01/25 19:42	6.11	506.67	2.40
2017/01/25 19:57	6.14	500.97	2.36
2017/01/25 20:12	6.18	514.30	2.40
2017/01/25 20:27	6.18	505.48	2.36
2017/01/25 20:42	6.18	437.29	2.04
2017/01/25 20:57	6.12	508.19	2.40
2017/01/25 21:12	6.12	432.08	2.04
2017/01/25 21:27	6.12	432.08	2.04
2017/01/25 21:42	5.86	407.36	2.04
2017/01/25 21:57	5.83	404.79	2.04
2017/01/25 22:12	5.75	404.44	2.08

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 22:27	5.73	403.12	2.08
2017/01/25 22:42	5.52	362.43	1.97
2017/01/25 22:57	5.27	340.35	1.97
2017/01/25 23:12	5.04	276.60	1.70
2017/01/25 23:27	5.02	318.47	1.97
2017/01/25 23:42	5.00	276.18	1.72
2017/01/25 23:57	4.76	258.33	1.72
2017/01/26 00:12	4.61	248.96	1.73
2017/01/26 00:27	4.33	226.53	1.72
2017/01/26 00:42	3.94	198.61	1.72
2017/01/26 00:57	3.90	195.69	1.72
2017/01/26 01:12	3.64	165.83	1.61
2017/01/26 01:27	3.40	150.76	1.61
2017/01/26 01:42	3.27	128.96	1.45
2017/01/26 01:57	3.26	88.96	1.01
2017/01/26 02:12	3.18	85.76	1.01
2017/01/26 02:27	3.16	85.21	1.01
2017/01/26 02:42	2.97	77.85	1.01
2017/01/26 02:57	2.90	75.21	1.01
2017/01/26 03:12	2.89	74.72	1.01
2017/01/26 03:27	2.87	74.10	1.01
2017/01/26 03:42	2.84	73.06	1.01
2017/01/26 03:57	2.84	73.06	1.01
2017/01/26 04:12	2.87	74.10	1.01
2017/01/26 04:27	2.90	77.15	1.03
2017/01/26 04:42	2.91	94.72	1.26
2017/01/26 04:57	3.00	95.00	1.21
2017/01/26 05:12	3.09	103.19	1.26
2017/01/26 05:27	3.09	103.19	1.26
2017/01/26 05:42	3.09	103.19	1.26
2017/01/26 05:57	3.37	124.86	1.35
2017/01/26 06:12	3.39	170.07	1.83
2017/01/26 06:27	3.98	239.17	2.04
2017/01/26 06:42	4.32	267.57	2.04
2017/01/26 06:57	4.65	296.67	2.04
2017/01/26 07:12	5.18	343.89	2.04
2017/01/26 07:27	5.55	430.21	2.32
2017/01/26 07:42	5.91	468.26	2.32
2017/01/26 07:57	6.43	512.15	2.27
2017/01/26 08:12	6.70	492.71	2.07
2017/01/26 08:27	6.70	492.71	2.07
2017/01/26 08:42	6.70	541.39	2.27
2017/01/26 08:57	6.70	582.15	2.44
2017/01/26 09:12	6.62	546.18	2.33
2017/01/26 09:27	6.58	541.73	2.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 09:42	6.54	557.98	2.42
2017/01/26 09:57	6.44	552.22	2.44
2017/01/26 10:12	6.43	584.03	2.59
2017/01/26 10:27	6.40	580.69	2.59
2017/01/26 10:42	6.29	530.00	2.42
2017/01/26 10:57	6.29	567.43	2.59
2017/01/26 11:12	6.25	532.64	2.45
2017/01/26 11:27	6.14	553.40	2.61
2017/01/26 11:42	6.12	518.47	2.45
2017/01/26 11:57	6.12	493.68	2.34
2017/01/26 12:12	6.04	484.72	2.34
2017/01/26 12:27	6.00	420.35	2.04
2017/01/26 12:42	5.86	407.36	2.04
2017/01/26 12:57	5.82	403.47	2.04
2017/01/26 13:12	5.41	335.62	1.87
2017/01/26 13:27	5.39	333.33	1.87
2017/01/26 13:42	5.39	327.85	1.84
2017/01/26 13:57	5.37	300.76	1.70
2017/01/26 14:12	5.30	320.97	1.84
2017/01/26 14:27	5.29	319.86	1.84
2017/01/26 14:42	5.26	317.57	1.84
2017/01/26 14:57	5.26	327.01	1.90
2017/01/26 15:12	5.26	327.01	1.90
2017/01/26 15:27	5.26	359.37	2.09
2017/01/26 15:42	5.26	359.37	2.09
2017/01/26 15:57	5.18	377.08	2.24
2017/01/26 16:12	5.16	375.69	2.24
2017/01/26 16:27	5.34	393.75	2.24
2017/01/26 16:42	5.34	393.75	2.24
2017/01/26 16:57	5.19	378.75	2.24
2017/01/26 17:12	5.19	378.75	2.24
2017/01/26 17:27	5.34	394.51	2.24
2017/01/26 17:42	5.41	426.11	2.38
2017/01/26 17:57	5.58	443.96	2.38
2017/01/26 18:12	5.86	445.97	2.24
2017/01/26 18:27	5.76	399.23	2.05
2017/01/26 18:42	5.84	407.01	2.05
2017/01/26 18:57	5.86	420.48	2.11
2017/01/26 19:12	5.89	423.12	2.11
2017/01/26 19:27	5.91	425.83	2.11
2017/01/26 19:42	6.00	433.82	2.11
2017/01/26 19:57	6.11	444.58	2.11
2017/01/26 20:12	6.11	477.71	2.27
2017/01/26 20:27	6.11	476.73	2.26
2017/01/26 20:42	6.22	489.30	2.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 20:57	6.11	477.71	2.27
2017/01/26 21:12	6.11	476.73	2.26
2017/01/26 21:27	6.05	471.94	2.27
2017/01/26 21:42	6.05	471.94	2.27
2017/01/26 21:57	5.98	463.82	2.26
2017/01/26 22:12	5.89	453.40	2.26
2017/01/26 22:27	5.68	406.94	2.13
2017/01/26 22:42	5.40	362.78	2.03
2017/01/26 22:57	5.37	377.57	2.13
2017/01/26 23:12	5.02	338.96	2.10
2017/01/26 23:27	5.00	326.39	2.03
2017/01/26 23:42	4.94	312.99	1.98
2017/01/26 23:57	4.59	290.69	2.03
2017/01/27 00:12	4.55	279.51	1.98
2017/01/27 00:27	4.32	259.58	1.98
2017/01/27 00:42	4.23	252.01	1.97
2017/01/27 00:57	4.16	245.35	1.97
2017/01/27 01:12	3.89	203.33	1.80
2017/01/27 01:27	3.66	166.46	1.60
2017/01/27 01:42	3.58	135.62	1.34
2017/01/27 01:57	3.44	128.19	1.34
2017/01/27 02:12	3.40	126.04	1.34
2017/01/27 02:27	3.37	138.26	1.49
2017/01/27 02:42	3.36	147.15	1.60
2017/01/27 02:57	3.30	134.24	1.49
2017/01/27 03:12	3.27	132.64	1.49
2017/01/27 03:27	3.27	132.64	1.49
2017/01/27 03:42	3.27	120.69	1.36
2017/01/27 03:57	3.27	115.00	1.29
2017/01/27 04:12	3.27	107.43	1.21
2017/01/27 04:27	3.29	105.21	1.18
2017/01/27 04:42	3.32	107.01	1.18
2017/01/27 04:57	3.33	110.00	1.21
2017/01/27 05:12	3.34	108.82	1.19
2017/01/27 05:27	3.46	114.03	1.19
2017/01/27 05:42	3.46	114.03	1.19
2017/01/27 05:57	3.50	143.82	1.47
2017/01/27 06:12	3.61	180.83	1.77
2017/01/27 06:27	4.12	240.97	1.96
2017/01/27 06:42	4.50	272.01	1.96
2017/01/27 06:57	5.09	346.67	2.10
2017/01/27 07:12	5.33	375.21	2.14
2017/01/27 07:27	5.57	397.92	2.14
2017/01/27 07:42	5.90	430.28	2.14
2017/01/27 07:57	6.07	446.60	2.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 08:12	6.68	507.01	2.14
2017/01/27 08:27	6.68	517.50	2.18
2017/01/27 08:42	6.68	561.25	2.37
2017/01/27 08:57	6.68	561.25	2.37
2017/01/27 09:12	6.76	584.03	2.42
2017/01/27 09:27	6.76	593.26	2.46
2017/01/27 09:42	6.68	583.68	2.46
2017/01/27 09:57	6.66	573.05	2.42
2017/01/27 10:12	6.66	573.05	2.42
2017/01/27 10:27	6.64	541.60	2.30
2017/01/27 10:42	6.52	529.72	2.30
2017/01/27 10:57	6.43	512.50	2.27
2017/01/27 11:12	6.19	482.50	2.25
2017/01/27 11:27	6.16	479.58	2.25
2017/01/27 11:42	6.16	466.60	2.19
2017/01/27 11:57	6.15	410.07	1.93
2017/01/27 12:12	6.15	410.07	1.93
2017/01/27 12:27	6.15	465.21	2.19
2017/01/27 12:42	6.09	483.96	2.30
2017/01/27 12:57	6.07	497.29	2.38
2017/01/27 13:12	6.07	506.80	2.43
2017/01/27 13:27	6.02	555.21	2.68
2017/01/27 13:42	5.98	550.07	2.68
2017/01/27 13:57	5.93	543.26	2.68
2017/01/27 14:12	5.52	447.01	2.43
2017/01/27 14:27	5.51	410.76	2.24
2017/01/27 14:42	5.51	410.76	2.24
2017/01/27 14:57	5.51	397.85	2.17
2017/01/27 15:12	5.51	346.87	1.89
2017/01/27 15:27	5.69	415.55	2.17
2017/01/27 15:42	5.70	403.12	2.10
2017/01/27 15:57	5.76	408.47	2.10
2017/01/27 16:12	5.76	408.47	2.10
2017/01/27 16:27	5.76	408.47	2.10
2017/01/27 16:42	5.89	420.35	2.10
2017/01/27 16:57	5.90	422.01	2.10
2017/01/27 17:12	5.90	421.73	2.10
2017/01/27 17:27	5.91	396.87	1.97
2017/01/27 17:42	5.91	396.87	1.97
2017/01/27 17:57	5.91	396.87	1.97
2017/01/27 18:12	5.91	347.92	1.72
2017/01/27 18:27	5.79	370.69	1.89
2017/01/27 18:42	5.79	338.05	1.72
2017/01/27 18:57	5.80	339.17	1.72
2017/01/27 19:12	5.80	371.87	1.89

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 19:27	5.84	375.48	1.89
2017/01/27 19:42	5.84	375.48	1.89
2017/01/27 19:57	5.80	395.62	2.01
2017/01/27 20:12	5.82	431.80	2.19
2017/01/27 20:27	5.82	431.80	2.19
2017/01/27 20:42	5.76	412.29	2.12
2017/01/27 20:57	5.70	420.76	2.19
2017/01/27 21:12	5.69	405.62	2.12
2017/01/27 21:27	5.59	409.72	2.19
2017/01/27 21:42	5.58	395.00	2.12
2017/01/27 21:57	5.54	390.97	2.12
2017/01/27 22:12	5.52	389.65	2.12
2017/01/27 22:27	5.47	367.22	2.02
2017/01/27 22:42	5.33	354.58	2.02
2017/01/27 22:57	5.07	330.83	2.02
2017/01/27 23:12	4.94	315.83	2.00
2017/01/27 23:27	4.87	313.54	2.02
2017/01/27 23:42	4.80	307.43	2.02
2017/01/27 23:57	4.61	290.35	2.02
2017/01/28 00:12	4.57	283.75	2.00
2017/01/28 00:27	4.52	270.97	1.93
2017/01/28 00:42	4.15	240.21	1.93
2017/01/28 00:57	3.98	226.80	1.93
2017/01/28 01:12	3.93	190.83	1.66
2017/01/28 01:27	3.91	189.86	1.66
2017/01/28 01:42	3.77	173.47	1.60
2017/01/28 01:57	3.54	148.19	1.49
2017/01/28 02:12	3.46	144.44	1.51
2017/01/28 02:27	3.37	139.93	1.51
2017/01/28 02:42	3.27	133.89	1.51
2017/01/28 02:57	3.27	133.89	1.51
2017/01/28 03:12	3.27	131.81	1.48
2017/01/28 03:27	3.27	133.89	1.51
2017/01/28 03:42	3.22	131.04	1.51
2017/01/28 03:57	3.22	131.04	1.51
2017/01/28 04:12	3.07	123.47	1.53
2017/01/28 04:27	3.07	123.47	1.53
2017/01/28 04:42	3.07	111.87	1.38
2017/01/28 04:57	3.07	113.47	1.40
2017/01/28 05:12	3.07	113.47	1.40
2017/01/28 05:27	3.05	111.18	1.38
2017/01/28 05:42	3.05	108.96	1.36
2017/01/28 05:57	3.11	100.56	1.22
2017/01/28 06:12	3.18	96.39	1.13
2017/01/28 06:27	3.25	107.08	1.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 06:42	3.37	112.99	1.22
2017/01/28 06:57	3.64	125.69	1.22
2017/01/28 07:12	4.02	190.00	1.60
2017/01/28 07:27	4.04	223.75	1.87
2017/01/28 07:42	4.26	241.18	1.87
2017/01/28 07:57	4.69	300.55	2.04
2017/01/28 08:12	5.00	337.15	2.10
2017/01/28 08:27	5.47	370.76	2.04
2017/01/28 08:42	5.93	413.26	2.04
2017/01/28 08:57	6.29	443.12	2.02
2017/01/28 09:12	6.29	464.51	2.12
2017/01/28 09:27	6.41	535.07	2.38
2017/01/28 09:42	6.64	559.58	2.38
2017/01/28 09:57	6.83	581.04	2.38
2017/01/28 10:12	6.87	585.69	2.38
2017/01/28 10:27	6.90	524.58	2.12
2017/01/28 10:42	7.05	539.72	2.12
2017/01/28 10:57	7.05	523.82	2.06
2017/01/28 11:12	7.05	523.82	2.06
2017/01/28 11:27	7.11	529.17	2.06
2017/01/28 11:42	7.05	444.58	1.75
2017/01/28 11:57	7.02	521.11	2.06
2017/01/28 12:12	7.02	527.29	2.08
2017/01/28 12:27	7.00	618.40	2.46
2017/01/28 12:42	7.00	633.40	2.51
2017/01/28 12:57	6.94	627.22	2.52
2017/01/28 13:12	6.89	620.76	2.52
2017/01/28 13:27	6.79	609.37	2.52
2017/01/28 13:42	6.70	590.48	2.48
2017/01/28 13:57	6.62	580.90	2.48
2017/01/28 14:12	6.55	564.79	2.44
2017/01/28 14:27	6.55	536.60	2.32
2017/01/28 14:42	6.54	514.30	2.23
2017/01/28 14:57	6.29	488.54	2.23
2017/01/28 15:12	6.22	481.39	2.23
2017/01/28 15:27	6.22	450.76	2.09
2017/01/28 15:42	6.22	450.76	2.09
2017/01/28 15:57	6.18	446.80	2.09
2017/01/28 16:12	6.14	442.78	2.09
2017/01/28 16:27	6.14	442.78	2.09
2017/01/28 16:42	6.16	425.90	2.00
2017/01/28 16:57	6.16	425.90	2.00
2017/01/28 17:12	6.16	425.90	2.00
2017/01/28 17:27	6.16	425.90	2.00
2017/01/28 17:42	6.16	425.90	2.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 17:57	6.16	446.11	2.09
2017/01/28 18:12	6.20	451.39	2.10
2017/01/28 18:27	6.20	459.30	2.13
2017/01/28 18:42	6.20	459.30	2.13
2017/01/28 18:57	6.20	459.30	2.13
2017/01/28 19:12	6.20	459.30	2.13
2017/01/28 19:27	6.09	440.69	2.10
2017/01/28 19:42	6.08	439.37	2.10
2017/01/28 19:57	5.91	430.76	2.13
2017/01/28 20:12	5.79	427.57	2.18
2017/01/28 20:27	5.75	423.40	2.18
2017/01/28 20:42	5.70	413.12	2.15
2017/01/28 20:57	5.54	379.17	2.05
2017/01/28 21:12	5.34	361.25	2.05
2017/01/28 21:27	5.32	375.48	2.15
2017/01/28 21:42	5.23	330.97	1.93
2017/01/28 21:57	5.12	321.39	1.93
2017/01/28 22:12	5.12	332.29	2.00
2017/01/28 22:27	5.09	329.79	2.00
2017/01/28 22:42	5.08	331.32	2.02
2017/01/28 22:57	4.98	322.71	2.02
2017/01/28 23:12	4.86	309.03	2.00
2017/01/28 23:27	4.76	300.55	2.00
2017/01/28 23:42	4.72	291.74	1.97
2017/01/28 23:57	4.69	289.37	1.97
2017/01/29 00:12	4.59	281.11	1.97
2017/01/29 00:27	4.50	272.85	1.97
2017/01/29 00:42	4.39	282.15	2.10
2017/01/29 00:57	4.26	271.04	2.10
2017/01/29 01:12	4.02	250.28	2.10
2017/01/29 01:27	3.98	246.67	2.10
2017/01/29 01:42	3.90	201.04	1.77
2017/01/29 01:57	3.80	167.92	1.53
2017/01/29 02:12	3.69	161.04	1.53
2017/01/29 02:27	3.61	155.76	1.53
2017/01/29 02:42	3.47	140.14	1.45
2017/01/29 02:57	3.43	137.43	1.45
2017/01/29 03:12	3.36	114.72	1.25
2017/01/29 03:27	3.26	110.00	1.25
2017/01/29 03:42	3.25	109.31	1.25
2017/01/29 03:57	3.23	108.68	1.25
2017/01/29 04:12	3.15	110.62	1.32
2017/01/29 04:27	3.11	108.54	1.32
2017/01/29 04:42	3.11	108.54	1.32
2017/01/29 04:57	3.14	112.43	1.35

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 05:12	3.15	110.62	1.32
2017/01/29 05:27	3.15	108.19	1.29
2017/01/29 05:42	3.15	108.19	1.29
2017/01/29 05:57	3.16	97.85	1.16
2017/01/29 06:12	3.21	83.82	0.97
2017/01/29 06:27	3.25	85.35	0.97
2017/01/29 06:42	3.40	91.11	0.97
2017/01/29 06:57	3.51	126.18	1.29
2017/01/29 07:12	3.61	137.43	1.35
2017/01/29 07:27	3.77	146.46	1.35
2017/01/29 07:42	4.27	174.37	1.35
2017/01/29 07:57	4.27	223.33	1.73
2017/01/29 08:12	4.54	257.29	1.83
2017/01/29 08:27	5.22	319.86	1.88
2017/01/29 08:42	5.22	357.29	2.10
2017/01/29 08:57	5.82	413.75	2.10
2017/01/29 09:12	5.84	438.82	2.21
2017/01/29 09:27	6.40	495.21	2.21
2017/01/29 09:42	6.59	566.32	2.43
2017/01/29 09:57	6.64	519.37	2.21
2017/01/29 10:12	6.91	547.91	2.21
2017/01/29 10:27	6.97	553.68	2.21
2017/01/29 10:42	6.97	553.68	2.21
2017/01/29 10:57	6.97	536.46	2.14
2017/01/29 11:12	6.97	536.46	2.14
2017/01/29 11:27	6.97	536.46	2.14
2017/01/29 11:42	6.97	556.32	2.22
2017/01/29 11:57	6.98	557.78	2.22
2017/01/29 12:12	6.98	576.94	2.30
2017/01/29 12:27	6.98	579.65	2.31
2017/01/29 12:42	6.98	579.65	2.31
2017/01/29 12:57	6.79	556.11	2.30
2017/01/29 13:12	6.69	545.76	2.30
2017/01/29 13:27	6.64	539.79	2.30
2017/01/29 13:42	6.64	542.36	2.31
2017/01/29 13:57	6.62	529.37	2.26
2017/01/29 14:12	6.58	525.07	2.26
2017/01/29 14:27	6.55	522.15	2.26
2017/01/29 14:42	6.27	467.43	2.14
2017/01/29 14:57	6.23	463.33	2.14
2017/01/29 15:12	6.15	455.14	2.14
2017/01/29 15:27	6.15	455.14	2.14
2017/01/29 15:42	6.12	452.43	2.14
2017/01/29 15:57	6.15	438.61	2.06
2017/01/29 16:12	6.12	435.97	2.06

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 16:27	6.09	433.33	2.06
2017/01/29 16:42	6.12	412.71	1.95
2017/01/29 16:57	6.14	406.25	1.92
2017/01/29 17:12	6.14	406.25	1.92
2017/01/29 17:27	6.14	413.96	1.95
2017/01/29 17:42	6.14	478.05	2.26
2017/01/29 17:57	6.23	433.96	2.01
2017/01/29 18:12	6.27	471.80	2.16
2017/01/29 18:27	6.41	503.47	2.24
2017/01/29 18:42	6.47	512.71	2.26
2017/01/29 18:57	6.47	512.71	2.26
2017/01/29 19:12	6.47	536.32	2.36
2017/01/29 19:27	6.47	509.23	2.24
2017/01/29 19:42	6.47	509.23	2.24
2017/01/29 19:57	6.33	494.86	2.24
2017/01/29 20:12	6.20	549.93	2.56
2017/01/29 20:27	6.20	549.93	2.56
2017/01/29 20:42	6.19	479.86	2.24
2017/01/29 20:57	6.19	446.46	2.08
2017/01/29 21:12	6.19	479.86	2.24
2017/01/29 21:27	6.19	446.46	2.08
2017/01/29 21:42	6.15	442.50	2.08
2017/01/29 21:57	6.04	431.87	2.08
2017/01/29 22:12	6.01	408.12	1.98
2017/01/29 22:27	5.48	360.69	1.98
2017/01/29 22:42	5.40	345.07	1.93
2017/01/29 22:57	5.23	330.69	1.93
2017/01/29 23:12	4.96	315.14	1.99
2017/01/29 23:27	4.96	330.90	2.08
2017/01/29 23:42	4.82	303.05	1.99
2017/01/29 23:57	4.69	292.29	1.99
2017/01/30 00:12	4.34	257.08	1.94
2017/01/30 00:27	4.04	232.15	1.94
2017/01/30 00:42	3.87	206.94	1.84
2017/01/30 00:57	3.77	168.68	1.55
2017/01/30 01:12	3.50	148.54	1.52
2017/01/30 01:27	3.33	135.97	1.49
2017/01/30 01:42	3.33	135.42	1.49
2017/01/30 01:57	3.23	129.72	1.49
2017/01/30 02:12	3.18	122.15	1.43
2017/01/30 02:27	3.01	113.06	1.43
2017/01/30 02:42	3.00	112.36	1.43
2017/01/30 02:57	3.00	104.58	1.34
2017/01/30 03:12	3.00	104.58	1.34
2017/01/30 03:27	2.98	103.75	1.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 03:42	2.97	103.06	1.33
2017/01/30 03:57	2.97	103.19	1.34
2017/01/30 04:12	2.90	98.26	1.32
2017/01/30 04:27	2.90	84.44	1.13
2017/01/30 04:42	2.90	84.44	1.13
2017/01/30 04:57	2.90	84.44	1.13
2017/01/30 05:12	3.02	96.74	1.22
2017/01/30 05:27	3.05	112.78	1.40
2017/01/30 05:42	3.25	123.12	1.40
2017/01/30 05:57	3.30	128.33	1.43
2017/01/30 06:12	3.58	161.18	1.60
2017/01/30 06:27	3.84	181.87	1.63
2017/01/30 06:42	4.08	230.35	1.90
2017/01/30 06:57	4.50	265.69	1.91
2017/01/30 07:12	5.12	325.69	1.96
2017/01/30 07:27	5.62	369.65	1.96
2017/01/30 07:42	6.32	504.86	2.29
2017/01/30 07:57	6.58	532.85	2.29
2017/01/30 08:12	6.75	590.90	2.46
2017/01/30 08:27	6.94	613.19	2.46
2017/01/30 08:42	6.94	613.19	2.46
2017/01/30 08:57	6.94	614.30	2.46
2017/01/30 09:12	6.94	618.47	2.48
2017/01/30 09:27	6.76	650.90	2.70
2017/01/30 09:42	6.75	666.04	2.77
2017/01/30 09:57	6.66	638.75	2.70
2017/01/30 10:12	6.62	633.47	2.70
2017/01/30 10:27	6.50	617.85	2.70
2017/01/30 10:42	6.40	605.69	2.70
2017/01/30 10:57	6.34	547.01	2.47
2017/01/30 11:12	6.32	543.82	2.47
2017/01/30 11:27	6.32	543.82	2.47
2017/01/30 11:42	6.23	543.26	2.51
2017/01/30 11:57	6.20	540.07	2.51
2017/01/30 12:12	6.16	535.28	2.51
2017/01/30 12:27	6.08	525.62	2.51
2017/01/30 12:42	5.97	512.85	2.51
2017/01/30 12:57	5.77	474.17	2.43
2017/01/30 13:12	5.77	436.04	2.23
2017/01/30 13:27	5.77	436.04	2.23
2017/01/30 13:42	5.77	451.53	2.31
2017/01/30 13:57	5.73	431.80	2.23
2017/01/30 14:12	5.73	427.08	2.21
2017/01/30 14:27	5.68	401.11	2.10
2017/01/30 14:42	5.68	331.39	1.73

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 14:57	5.57	390.55	2.10
2017/01/30 15:12	5.44	378.68	2.10
2017/01/30 15:27	5.23	339.30	1.98
2017/01/30 15:42	5.23	344.24	2.01
2017/01/30 15:57	5.23	339.30	1.98
2017/01/30 16:12	5.23	339.30	1.98
2017/01/30 16:27	5.23	344.24	2.01
2017/01/30 16:42	5.16	333.19	1.98
2017/01/30 16:57	5.23	339.30	1.98
2017/01/30 17:12	5.33	352.99	2.01
2017/01/30 17:27	5.33	382.43	2.18
2017/01/30 17:42	5.37	386.53	2.18
2017/01/30 17:57	5.40	395.48	2.22
2017/01/30 18:12	5.57	424.30	2.28
2017/01/30 18:27	5.68	435.76	2.28
2017/01/30 18:42	5.79	434.44	2.22
2017/01/30 18:57	6.05	461.11	2.22
2017/01/30 19:12	6.09	441.67	2.10
2017/01/30 19:27	6.22	478.12	2.22
2017/01/30 19:42	6.22	453.75	2.10
2017/01/30 19:57	6.29	460.48	2.10
2017/01/30 20:12	6.29	560.07	2.56
2017/01/30 20:27	6.39	571.53	2.56
2017/01/30 20:42	6.39	476.39	2.13
2017/01/30 20:57	6.27	470.14	2.15
2017/01/30 21:12	6.27	465.48	2.13
2017/01/30 21:27	6.26	468.75	2.15
2017/01/30 21:42	6.15	457.71	2.15
2017/01/30 21:57	6.05	443.68	2.13
2017/01/30 22:12	6.02	375.00	1.81
2017/01/30 22:27	5.64	342.85	1.81
2017/01/30 22:42	5.33	317.92	1.81
2017/01/30 22:57	5.29	345.00	1.99
2017/01/30 23:12	5.16	333.96	1.99
2017/01/30 23:27	4.77	299.93	1.99
2017/01/30 23:42	4.76	298.68	1.99
2017/01/30 23:57	4.55	280.76	1.99
2017/01/31 00:12	4.51	277.22	1.99
2017/01/31 00:27	4.46	263.54	1.92
2017/01/31 00:42	4.04	124.93	1.05
2017/01/31 00:57	3.84	116.53	1.05
2017/01/31 01:12	3.65	108.33	1.05
2017/01/31 01:27	3.59	106.04	1.05
2017/01/31 01:42	3.55	108.26	1.08
2017/01/31 01:57	3.33	157.36	1.73

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 02:12	3.16	146.25	1.73
2017/01/31 02:27	3.16	146.53	1.73
2017/01/31 02:42	3.16	146.53	1.73
2017/01/31 02:57	3.15	145.35	1.73
2017/01/31 03:12	3.15	145.35	1.73
2017/01/31 03:27	3.15	147.01	1.75
2017/01/31 03:42	3.15	147.01	1.75
2017/01/31 03:57	3.09	143.33	1.75
2017/01/31 04:12	3.08	132.50	1.63
2017/01/31 04:27	3.08	132.50	1.63
2017/01/31 04:42	3.08	132.50	1.63
2017/01/31 04:57	3.08	132.50	1.63
2017/01/31 05:12	3.14	135.90	1.63
2017/01/31 05:27	3.18	133.06	1.56
2017/01/31 05:42	3.27	138.89	1.56
2017/01/31 05:57	3.39	152.29	1.63
2017/01/31 06:12	3.61	167.92	1.65
2017/01/31 06:27	4.08	202.99	1.67
2017/01/31 06:42	4.14	206.80	1.67
2017/01/31 06:57	4.73	263.33	1.77
2017/01/31 07:12	5.04	319.72	1.97
2017/01/31 07:27	5.69	443.96	2.32
2017/01/31 07:42	6.20	498.33	2.32
2017/01/31 07:57	6.68	556.18	2.35
2017/01/31 08:12	6.68	606.11	2.56
2017/01/31 08:27	6.86	627.57	2.56
2017/01/31 08:42	6.86	627.57	2.56
2017/01/31 08:57	6.86	627.57	2.56
2017/01/31 09:12	6.73	514.72	2.15
2017/01/31 09:27	6.62	540.48	2.31
2017/01/31 09:42	6.59	500.90	2.15
2017/01/31 09:57	6.45	487.08	2.15
2017/01/31 10:12	6.41	482.92	2.15
2017/01/31 10:27	6.41	482.92	2.15
2017/01/31 10:42	6.34	476.04	2.15
2017/01/31 10:57	6.30	433.33	1.97
2017/01/31 11:12	6.25	428.26	1.97
2017/01/31 11:27	6.14	508.12	2.40
2017/01/31 11:42	6.05	490.97	2.36
2017/01/31 11:57	6.01	486.46	2.36
2017/01/31 12:12	6.01	460.69	2.23
2017/01/31 12:27	6.00	459.23	2.23
2017/01/31 12:42	6.01	460.69	2.23
2017/01/31 12:57	6.01	416.32	2.02
2017/01/31 13:12	5.82	389.93	1.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 13:27	5.57	309.65	1.66
2017/01/31 13:42	5.48	336.74	1.85
2017/01/31 13:57	5.34	295.97	1.68
2017/01/31 14:12	5.34	295.97	1.68
2017/01/31 14:27	5.34	325.21	1.85
2017/01/31 14:42	5.34	325.21	1.85
2017/01/31 14:57	5.34	325.21	1.85
2017/01/31 15:12	5.27	347.43	2.01
2017/01/31 15:27	5.27	347.43	2.01
2017/01/31 15:42	5.25	345.00	2.01
2017/01/31 15:57	5.11	332.57	2.01
2017/01/31 16:12	5.11	305.55	1.85
2017/01/31 16:27	5.11	305.55	1.85
2017/01/31 16:42	5.11	266.39	1.61
2017/01/31 16:57	5.08	264.44	1.61
2017/01/31 17:12	5.11	285.07	1.72
2017/01/31 17:27	5.14	272.99	1.64
2017/01/31 17:42	5.27	283.05	1.64
2017/01/31 17:57	5.41	308.54	1.72
2017/01/31 18:12	5.41	308.54	1.72
2017/01/31 18:27	5.75	357.64	1.84
2017/01/31 18:42	5.76	385.28	1.98
2017/01/31 18:57	5.76	412.29	2.12
2017/01/31 19:12	6.08	443.19	2.12
2017/01/31 19:27	6.16	451.32	2.12
2017/01/31 19:42	6.34	468.89	2.12
2017/01/31 19:57	6.34	544.65	2.46
2017/01/31 20:12	6.43	477.08	2.12
2017/01/31 20:27	6.43	603.61	2.68
2017/01/31 20:42	6.43	603.61	2.68
2017/01/31 20:57	6.36	595.07	2.68
2017/01/31 21:12	6.36	595.07	2.68
2017/01/31 21:27	6.33	555.55	2.51
2017/01/31 21:42	6.30	454.79	2.07
2017/01/31 21:57	6.30	552.29	2.51
2017/01/31 22:12	6.30	530.21	2.41
2017/01/31 22:27	6.08	432.98	2.07
2017/01/31 22:42	6.00	425.07	2.07
2017/01/31 22:57	5.95	421.11	2.07
2017/01/31 23:12	5.50	363.89	1.99
2017/01/31 23:27	5.27	344.03	1.99
2017/01/31 23:42	5.22	292.85	1.72
2017/01/31 23:57	4.86	265.42	1.72
2017/02/01 00:12	4.76	258.12	1.72
2017/02/01 00:27	4.32	250.97	1.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 00:42	3.98	224.30	1.91
2017/02/01 00:57	3.97	223.19	1.91
2017/02/01 01:12	3.65	198.33	1.91
2017/02/01 01:27	3.65	198.33	1.91
2017/02/01 01:42	3.52	167.99	1.70
2017/02/01 01:57	3.48	165.21	1.70
2017/02/01 02:12	3.32	154.10	1.70
2017/02/01 02:27	3.26	150.42	1.70
2017/02/01 02:42	3.25	149.51	1.70
2017/02/01 02:57	3.19	144.44	1.69
2017/02/01 03:12	3.18	143.54	1.69
2017/02/01 03:27	3.15	141.81	1.69
2017/02/01 03:42	3.15	141.81	1.69
2017/02/01 03:57	3.15	138.96	1.65
2017/02/01 04:12	3.07	126.81	1.57
2017/02/01 04:27	3.05	125.97	1.57
2017/02/01 04:42	3.05	125.97	1.57
2017/02/01 04:57	3.05	125.28	1.56
2017/02/01 05:12	3.12	130.14	1.57
2017/02/01 05:27	3.12	130.14	1.57
2017/02/01 05:42	3.14	141.81	1.70
2017/02/01 05:57	3.27	154.44	1.74
2017/02/01 06:12	3.76	187.92	1.74
2017/02/01 06:27	3.94	207.08	1.79
2017/02/01 06:42	4.43	253.96	1.87
2017/02/01 06:57	4.66	281.39	1.93
2017/02/01 07:12	5.18	347.01	2.06
2017/02/01 07:27	5.52	416.94	2.26
2017/02/01 07:42	6.33	454.72	2.06
2017/02/01 07:57	7.04	522.50	2.06
2017/02/01 08:12	7.04	522.50	2.06
2017/02/01 08:27	7.04	615.41	2.42
2017/02/01 08:42	7.04	555.00	2.19
2017/02/01 08:57	6.93	541.80	2.18
2017/02/01 09:12	6.87	494.10	2.01
2017/02/01 09:27	6.82	530.48	2.18
2017/02/01 09:42	6.50	499.93	2.19
2017/02/01 09:57	6.50	499.93	2.19
2017/02/01 10:12	6.50	499.93	2.19
2017/02/01 10:27	6.45	556.60	2.46
2017/02/01 10:42	6.44	577.08	2.55
2017/02/01 10:57	6.40	572.15	2.55
2017/02/01 11:12	6.37	547.08	2.46
2017/02/01 11:27	6.34	558.47	2.52
2017/02/01 11:42	6.19	547.64	2.55

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 11:57	6.11	531.11	2.52
2017/02/01 12:12	6.11	454.58	2.16
2017/02/01 12:27	5.75	418.96	2.16
2017/02/01 12:42	5.73	417.64	2.16
2017/02/01 12:57	5.73	417.29	2.16
2017/02/01 13:12	5.73	417.29	2.16
2017/02/01 13:27	5.62	406.46	2.16
2017/02/01 13:42	5.58	402.36	2.16
2017/02/01 13:57	5.51	395.62	2.16
2017/02/01 14:12	5.51	395.62	2.16
2017/02/01 14:27	5.40	377.50	2.11
2017/02/01 14:42	5.40	430.62	2.41
2017/02/01 14:57	5.29	367.01	2.11
2017/02/01 15:12	5.26	364.37	2.11
2017/02/01 15:27	5.26	364.37	2.11
2017/02/01 15:42	5.26	359.37	2.09
2017/02/01 15:57	5.26	359.37	2.09
2017/02/01 16:12	5.19	352.92	2.09
2017/02/01 16:27	5.19	328.61	1.94
2017/02/01 16:42	5.34	341.87	1.94
2017/02/01 16:57	5.37	338.05	1.91
2017/02/01 17:12	5.39	339.24	1.91
2017/02/01 17:27	5.62	366.18	1.94
2017/02/01 17:42	5.62	359.58	1.91
2017/02/01 17:57	5.83	384.58	1.94
2017/02/01 18:12	5.87	419.03	2.10
2017/02/01 18:27	5.87	427.29	2.14
2017/02/01 18:42	6.01	457.85	2.22
2017/02/01 18:57	6.04	460.69	2.22
2017/02/01 19:12	6.23	523.12	2.42
2017/02/01 19:27	6.40	541.73	2.42
2017/02/01 19:42	6.40	497.57	2.22
2017/02/01 19:57	6.41	489.44	2.18
2017/02/01 20:12	6.40	488.05	2.18
2017/02/01 20:27	6.41	471.94	2.10
2017/02/01 20:42	6.41	463.33	2.06
2017/02/01 20:57	6.41	463.33	2.06
2017/02/01 21:12	6.41	463.33	2.06
2017/02/01 21:27	6.41	471.94	2.10
2017/02/01 21:42	6.32	550.90	2.50
2017/02/01 21:57	6.32	550.90	2.50
2017/02/01 22:12	6.00	514.17	2.50
2017/02/01 22:27	5.97	510.97	2.50
2017/02/01 22:42	5.97	475.14	2.33
2017/02/01 22:57	5.55	431.11	2.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 23:12	5.18	339.03	2.01
2017/02/01 23:27	5.05	321.67	1.97
2017/02/01 23:42	4.91	300.97	1.92
2017/02/01 23:57	4.64	268.05	1.85
2017/02/02 00:12	4.58	238.40	1.67
2017/02/02 00:27	4.15	200.97	1.62
2017/02/02 00:42	4.08	196.32	1.62
2017/02/02 00:57	3.71	153.82	1.45
2017/02/02 01:12	3.65	143.61	1.39
2017/02/02 01:27	3.64	97.99	0.95
2017/02/02 01:42	3.44	90.69	0.95
2017/02/02 01:57	3.40	85.83	0.92
2017/02/02 02:12	3.26	83.96	0.95
2017/02/02 02:27	3.25	83.47	0.95
2017/02/02 02:42	3.23	90.14	1.03
2017/02/02 02:57	3.12	85.76	1.03
2017/02/02 03:12	3.11	85.21	1.03
2017/02/02 03:27	3.11	85.21	1.03
2017/02/02 03:42	3.09	84.65	1.03
2017/02/02 03:57	3.07	86.32	1.07
2017/02/02 04:12	3.07	86.32	1.07
2017/02/02 04:27	3.07	113.47	1.40
2017/02/02 04:42	3.07	132.36	1.64
2017/02/02 04:57	3.08	134.44	1.65
2017/02/02 05:12	3.09	135.35	1.65
2017/02/02 05:27	3.18	143.06	1.68
2017/02/02 05:42	3.43	159.31	1.68
2017/02/02 05:57	3.58	193.61	1.92
2017/02/02 06:12	3.93	220.62	1.92
2017/02/02 06:27	4.29	249.51	1.92
2017/02/02 06:42	4.29	280.49	2.16
2017/02/02 06:57	4.87	334.65	2.16
2017/02/02 07:12	5.87	457.15	2.29
2017/02/02 07:27	5.98	468.82	2.29
2017/02/02 07:42	6.14	453.75	2.14
2017/02/02 07:57	6.76	585.48	2.43
2017/02/02 08:12	6.98	610.69	2.43
2017/02/02 08:27	6.98	537.85	2.14
2017/02/02 08:42	6.98	463.47	1.84
2017/02/02 08:57	6.98	424.72	1.69
2017/02/02 09:12	6.77	408.33	1.69
2017/02/02 09:27	6.72	474.72	1.99
2017/02/02 09:42	6.70	473.40	1.99
2017/02/02 09:57	6.69	472.15	1.99
2017/02/02 10:12	6.68	524.03	2.21

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 10:27	6.59	556.04	2.39
2017/02/02 10:42	6.57	561.80	2.42
2017/02/02 10:57	6.57	587.29	2.53
2017/02/02 11:12	6.51	580.76	2.53
2017/02/02 11:27	6.41	569.30	2.53
2017/02/02 11:42	6.26	562.08	2.58
2017/02/02 11:57	6.22	557.15	2.58
2017/02/02 12:12	6.14	513.61	2.42
2017/02/02 12:27	5.98	529.17	2.58
2017/02/02 12:42	5.86	494.03	2.48
2017/02/02 12:57	5.84	492.43	2.48
2017/02/02 13:12	5.76	483.05	2.48
2017/02/02 13:27	5.73	413.47	2.14
2017/02/02 13:42	5.64	468.96	2.48
2017/02/02 13:57	5.64	492.36	2.60
2017/02/02 14:12	5.64	468.96	2.48
2017/02/02 14:27	5.59	478.33	2.55
2017/02/02 14:42	5.58	476.73	2.55
2017/02/02 14:57	5.58	456.18	2.44
2017/02/02 15:12	5.58	456.18	2.44
2017/02/02 15:27	5.64	444.17	2.35
2017/02/02 15:42	5.58	412.64	2.21
2017/02/02 15:57	5.58	438.26	2.35
2017/02/02 16:12	5.58	407.50	2.18
2017/02/02 16:27	5.32	410.42	2.35
2017/02/02 16:42	5.32	410.42	2.35
2017/02/02 16:57	5.32	317.64	1.82
2017/02/02 17:12	5.32	333.05	1.91
2017/02/02 17:27	5.27	349.58	2.02
2017/02/02 17:42	5.51	357.57	1.95
2017/02/02 17:57	5.62	374.23	1.99
2017/02/02 18:12	5.64	375.48	1.99
2017/02/02 18:27	5.77	387.98	1.99
2017/02/02 18:42	5.91	407.98	2.02
2017/02/02 18:57	5.94	451.11	2.22
2017/02/02 19:12	6.12	525.90	2.49
2017/02/02 19:27	6.27	577.43	2.64
2017/02/02 19:42	6.44	597.78	2.64
2017/02/02 19:57	6.54	609.65	2.64
2017/02/02 20:12	6.57	613.05	2.64
2017/02/02 20:27	6.65	623.33	2.64
2017/02/02 20:42	6.65	591.66	2.51
2017/02/02 20:57	6.65	572.57	2.43
2017/02/02 21:12	6.54	479.86	2.08
2017/02/02 21:27	6.37	463.82	2.08

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 21:42	6.33	554.51	2.51
2017/02/02 21:57	6.11	438.47	2.08
2017/02/02 22:12	5.80	405.21	2.06
2017/02/02 22:27	5.77	385.00	1.97
2017/02/02 22:42	5.69	386.94	2.02
2017/02/02 22:57	5.40	341.25	1.91
2017/02/02 23:12	5.37	314.79	1.78
2017/02/02 23:27	5.18	298.12	1.77
2017/02/02 23:42	4.89	275.35	1.77
2017/02/02 23:57	4.66	259.37	1.78
2017/02/03 00:12	4.46	242.43	1.77
2017/02/03 00:27	4.25	199.79	1.56
2017/02/03 00:42	4.02	163.89	1.38
2017/02/03 00:57	3.73	147.43	1.38
2017/02/03 01:12	3.69	156.67	1.49
2017/02/03 01:27	3.64	153.40	1.49
2017/02/03 01:42	3.36	111.18	1.21
2017/02/03 01:57	3.32	124.93	1.38
2017/02/03 02:12	3.27	101.87	1.15
2017/02/03 02:27	3.27	101.87	1.15
2017/02/03 02:42	3.21	88.26	1.02
2017/02/03 02:57	3.18	87.15	1.02
2017/02/03 03:12	3.14	85.56	1.02
2017/02/03 03:27	3.12	85.00	1.02
2017/02/03 03:42	3.09	76.18	0.93
2017/02/03 03:57	3.09	76.18	0.93
2017/02/03 04:12	3.07	75.21	0.93
2017/02/03 04:27	3.07	82.64	1.02
2017/02/03 04:42	3.07	82.64	1.02
2017/02/03 04:57	3.12	90.69	1.09
2017/02/03 05:12	3.22	88.54	1.02
2017/02/03 05:27	3.41	96.25	1.02
2017/02/03 05:42	3.55	109.03	1.09
2017/02/03 05:57	3.58	136.53	1.35
2017/02/03 06:12	3.87	157.08	1.39
2017/02/03 06:27	4.96	244.17	1.54
2017/02/03 06:42	5.09	311.46	1.89
2017/02/03 06:57	5.27	326.60	1.89
2017/02/03 07:12	5.29	327.78	1.89
2017/02/03 07:27	5.61	358.33	1.91
2017/02/03 07:42	6.12	403.05	1.91
2017/02/03 07:57	7.12	491.53	1.91
2017/02/03 08:12	7.41	607.78	2.24
2017/02/03 08:27	7.41	607.78	2.24
2017/02/03 08:42	7.70	638.33	2.24

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 08:57	7.70	638.33	2.24
2017/02/03 09:12	7.70	638.33	2.24
2017/02/03 09:27	7.41	625.21	2.30
2017/02/03 09:42	7.30	623.75	2.34
2017/02/03 09:57	7.25	617.71	2.34
2017/02/03 10:12	7.02	595.69	2.35
2017/02/03 10:27	7.02	595.69	2.35
2017/02/03 10:42	6.97	589.58	2.35
2017/02/03 10:57	6.82	570.62	2.34
2017/02/03 11:12	6.65	517.22	2.19
2017/02/03 11:27	6.64	515.76	2.19
2017/02/03 11:42	6.55	507.29	2.19
2017/02/03 11:57	6.54	505.90	2.19
2017/02/03 12:12	6.50	504.79	2.21
2017/02/03 12:27	6.50	522.57	2.29
2017/02/03 12:42	6.50	544.23	2.38
2017/02/03 12:57	6.50	544.23	2.38
2017/02/03 13:12	6.50	544.23	2.38
2017/02/03 13:27	6.40	533.54	2.38
2017/02/03 13:42	6.40	537.98	2.40
2017/02/03 13:57	6.33	537.36	2.43
2017/02/03 14:12	6.26	522.57	2.40
2017/02/03 14:27	6.16	511.80	2.40
2017/02/03 14:42	6.11	505.69	2.40
2017/02/03 14:57	6.09	494.23	2.35
2017/02/03 15:12	6.00	532.64	2.59
2017/02/03 15:27	5.97	480.76	2.35
2017/02/03 15:42	5.79	457.15	2.33
2017/02/03 15:57	5.73	455.42	2.35
2017/02/03 16:12	5.69	446.87	2.33
2017/02/03 16:27	5.69	446.87	2.33
2017/02/03 16:42	5.73	465.14	2.40
2017/02/03 16:57	5.73	451.25	2.33
2017/02/03 17:12	5.76	405.76	2.08
2017/02/03 17:27	5.76	419.44	2.15
2017/02/03 17:42	5.76	405.76	2.08
2017/02/03 17:57	5.76	419.44	2.15
2017/02/03 18:12	5.76	352.22	1.81
2017/02/03 18:27	5.87	355.28	1.78
2017/02/03 18:42	5.91	364.86	1.81
2017/02/03 18:57	5.95	368.26	1.81
2017/02/03 19:12	6.01	372.92	1.81
2017/02/03 19:27	6.01	402.15	1.95
2017/02/03 19:42	6.01	402.15	1.95
2017/02/03 19:57	6.01	402.15	1.95

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 20:12	6.01	404.65	1.96
2017/02/03 20:27	5.91	395.97	1.96
2017/02/03 20:42	5.87	415.42	2.08
2017/02/03 20:57	5.73	392.22	2.03
2017/02/03 21:12	5.73	392.22	2.03
2017/02/03 21:27	5.73	379.79	1.96
2017/02/03 21:42	5.69	388.40	2.03
2017/02/03 21:57	5.65	385.69	2.03
2017/02/03 22:12	5.41	364.03	2.03
2017/02/03 22:27	5.41	362.98	2.03
2017/02/03 22:42	5.18	342.64	2.03
2017/02/03 22:57	5.15	313.05	1.87
2017/02/03 23:12	4.97	323.89	2.03
2017/02/03 23:27	4.89	316.46	2.03
2017/02/03 23:42	4.87	290.14	1.87
2017/02/03 23:57	4.73	292.64	1.96
2017/02/04 00:12	4.54	276.18	1.96
2017/02/04 00:27	4.50	245.76	1.77
2017/02/04 00:42	4.37	236.32	1.77
2017/02/04 00:57	3.97	205.42	1.76
2017/02/04 01:12	3.94	201.46	1.74
2017/02/04 01:27	3.73	142.85	1.34
2017/02/04 01:42	3.59	111.11	1.10
2017/02/04 01:57	3.39	102.08	1.10
2017/02/04 02:12	3.36	97.29	1.06
2017/02/04 02:27	3.33	96.11	1.06
2017/02/04 02:42	3.26	80.90	0.92
2017/02/04 02:57	3.22	95.00	1.10
2017/02/04 03:12	3.18	88.75	1.04
2017/02/04 03:27	3.21	99.31	1.15
2017/02/04 03:42	3.18	98.06	1.15
2017/02/04 03:57	3.16	97.50	1.15
2017/02/04 04:12	3.16	88.19	1.04
2017/02/04 04:27	3.15	88.89	1.06
2017/02/04 04:42	3.09	86.67	1.06
2017/02/04 04:57	3.09	104.10	1.27
2017/02/04 05:12	3.09	86.67	1.06
2017/02/04 05:27	3.09	86.67	1.06
2017/02/04 05:42	3.18	93.82	1.10
2017/02/04 05:57	3.22	95.56	1.10
2017/02/04 06:12	3.29	103.26	1.16
2017/02/04 06:27	3.33	105.14	1.16
2017/02/04 06:42	3.43	109.51	1.16
2017/02/04 06:57	3.79	132.57	1.21
2017/02/04 07:12	3.79	154.37	1.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 07:27	4.00	221.25	1.88
2017/02/04 07:42	4.55	265.28	1.88
2017/02/04 07:57	4.84	295.35	1.92
2017/02/04 08:12	5.05	312.92	1.92
2017/02/04 08:27	5.39	355.83	2.00
2017/02/04 08:42	5.80	393.47	2.00
2017/02/04 08:57	5.89	428.96	2.14
2017/02/04 09:12	6.08	458.54	2.19
2017/02/04 09:27	6.37	499.51	2.24
2017/02/04 09:42	6.59	531.46	2.28
2017/02/04 09:57	6.82	572.08	2.35
2017/02/04 10:12	6.90	563.89	2.28
2017/02/04 10:27	6.94	573.26	2.30
2017/02/04 10:42	7.09	597.08	2.33
2017/02/04 10:57	7.00	590.35	2.34
2017/02/04 11:12	7.00	586.53	2.33
2017/02/04 11:27	7.00	586.53	2.33
2017/02/04 11:42	7.09	597.08	2.33
2017/02/04 11:57	7.00	586.53	2.33
2017/02/04 12:12	6.86	575.14	2.34
2017/02/04 12:27	6.83	602.71	2.47
2017/02/04 12:42	6.79	597.91	2.47
2017/02/04 12:57	6.70	596.32	2.50
2017/02/04 13:12	6.69	586.73	2.47
2017/02/04 13:27	6.66	583.54	2.47
2017/02/04 13:42	6.57	572.43	2.47
2017/02/04 13:57	6.52	494.30	2.15
2017/02/04 14:12	6.52	494.30	2.15
2017/02/04 14:27	6.50	595.48	2.60
2017/02/04 14:42	6.45	575.62	2.54
2017/02/04 14:57	6.45	575.62	2.54
2017/02/04 15:12	6.45	482.92	2.13
2017/02/04 15:27	6.39	476.04	2.13
2017/02/04 15:42	6.32	469.23	2.13
2017/02/04 15:57	6.32	427.85	1.94
2017/02/04 16:12	6.32	427.85	1.94
2017/02/04 16:27	6.23	420.42	1.94
2017/02/04 16:42	6.25	421.67	1.94
2017/02/04 16:57	6.25	467.36	2.15
2017/02/04 17:12	6.23	465.97	2.15
2017/02/04 17:27	6.23	499.03	2.31
2017/02/04 17:42	6.23	546.60	2.53
2017/02/04 17:57	6.23	499.03	2.31
2017/02/04 18:12	6.25	548.82	2.53
2017/02/04 18:27	6.22	545.62	2.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 18:42	6.19	465.48	2.17
2017/02/04 18:57	6.22	545.62	2.53
2017/02/04 19:12	6.22	468.26	2.17
2017/02/04 19:27	6.22	466.25	2.16
2017/02/04 19:42	6.25	471.04	2.17
2017/02/04 19:57	6.22	468.26	2.17
2017/02/04 20:12	6.25	450.83	2.08
2017/02/04 20:27	6.25	482.64	2.22
2017/02/04 20:42	6.22	448.12	2.08
2017/02/04 20:57	5.95	422.98	2.08
2017/02/04 21:12	5.73	409.03	2.11
2017/02/04 21:27	5.50	381.73	2.09
2017/02/04 21:42	5.47	351.11	1.93
2017/02/04 21:57	5.37	370.00	2.09
2017/02/04 22:12	5.34	359.37	2.04
2017/02/04 22:27	5.29	354.24	2.04
2017/02/04 22:42	5.23	349.24	2.04
2017/02/04 22:57	5.11	330.83	2.00
2017/02/04 23:12	5.05	315.90	1.94
2017/02/04 23:27	5.05	315.90	1.94
2017/02/04 23:42	5.00	311.18	1.94
2017/02/04 23:57	5.00	311.18	1.94
2017/02/05 00:12	4.82	295.83	1.94
2017/02/05 00:27	4.69	285.28	1.94
2017/02/05 00:42	4.41	262.15	1.94
2017/02/05 00:57	4.25	257.08	2.01
2017/02/05 01:12	4.19	252.43	2.01
2017/02/05 01:27	4.09	213.40	1.75
2017/02/05 01:42	4.08	173.75	1.43
2017/02/05 01:57	3.90	154.86	1.36
2017/02/05 02:12	3.75	137.85	1.28
2017/02/05 02:27	3.64	132.15	1.28
2017/02/05 02:42	3.62	116.11	1.13
2017/02/05 02:57	3.59	114.86	1.13
2017/02/05 03:12	3.57	113.61	1.13
2017/02/05 03:27	3.50	110.62	1.13
2017/02/05 03:42	3.23	98.96	1.13
2017/02/05 03:57	3.19	104.17	1.22
2017/02/05 04:12	3.19	97.15	1.13
2017/02/05 04:27	3.19	104.17	1.22
2017/02/05 04:42	3.14	101.60	1.22
2017/02/05 04:57	3.14	100.07	1.20
2017/02/05 05:12	3.14	100.07	1.20
2017/02/05 05:27	3.14	100.07	1.20
2017/02/05 05:42	3.14	92.43	1.11

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 05:57	3.15	92.99	1.11
2017/02/05 06:12	3.22	95.97	1.11
2017/02/05 06:27	3.26	91.53	1.04
2017/02/05 06:42	3.54	102.78	1.04
2017/02/05 06:57	3.59	105.07	1.04
2017/02/05 07:12	3.79	139.51	1.28
2017/02/05 07:27	3.89	146.67	1.30
2017/02/05 07:42	4.23	235.07	1.84
2017/02/05 07:57	4.36	275.83	2.08
2017/02/05 08:12	5.01	334.51	2.08
2017/02/05 08:27	5.01	341.39	2.12
2017/02/05 08:42	5.47	384.65	2.12
2017/02/05 08:57	5.65	416.39	2.19
2017/02/05 09:12	5.87	435.48	2.18
2017/02/05 09:27	5.91	460.90	2.28
2017/02/05 09:42	6.39	486.94	2.18
2017/02/05 09:57	6.48	573.33	2.51
2017/02/05 10:12	6.55	581.39	2.51
2017/02/05 10:27	6.86	617.50	2.52
2017/02/05 10:42	6.87	619.10	2.52
2017/02/05 10:57	6.93	666.60	2.68
2017/02/05 11:12	7.05	688.47	2.71
2017/02/05 11:27	7.05	691.94	2.72
2017/02/05 11:42	7.05	700.48	2.75
2017/02/05 11:57	7.09	705.83	2.75
2017/02/05 12:12	7.09	705.83	2.75
2017/02/05 12:27	7.15	700.69	2.71
2017/02/05 12:42	7.18	619.23	2.38
2017/02/05 12:57	7.19	620.76	2.38
2017/02/05 13:12	7.19	620.76	2.38
2017/02/05 13:27	7.19	620.76	2.38
2017/02/05 13:42	7.19	738.26	2.83
2017/02/05 13:57	7.18	736.39	2.83
2017/02/05 14:12	7.01	714.37	2.83
2017/02/05 14:27	6.97	708.89	2.83
2017/02/05 14:42	6.69	672.29	2.83
2017/02/05 14:57	6.68	590.55	2.49
2017/02/05 15:12	6.65	573.68	2.43
2017/02/05 15:27	6.58	511.18	2.20
2017/02/05 15:42	6.55	508.33	2.20
2017/02/05 15:57	6.33	511.04	2.31
2017/02/05 16:12	6.19	471.67	2.20
2017/02/05 16:27	6.16	448.68	2.10
2017/02/05 16:42	5.83	416.60	2.10
2017/02/05 16:57	5.58	385.55	2.07

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 17:12	5.47	375.76	2.07
2017/02/05 17:27	5.47	375.76	2.07
2017/02/05 17:42	5.26	355.97	2.07
2017/02/05 17:57	5.26	355.97	2.07
2017/02/05 18:12	5.25	340.49	1.98
2017/02/05 18:27	5.25	340.49	1.98
2017/02/05 18:42	5.25	355.21	2.07
2017/02/05 18:57	5.19	358.61	2.12
2017/02/05 19:12	5.12	317.36	1.91
2017/02/05 19:27	5.12	320.90	1.93
2017/02/05 19:42	5.25	331.60	1.93
2017/02/05 19:57	5.25	331.60	1.93
2017/02/05 20:12	5.25	331.60	1.93
2017/02/05 20:27	5.44	331.39	1.84
2017/02/05 20:42	5.64	336.25	1.78
2017/02/05 20:57	6.32	404.65	1.84
2017/02/05 21:12	6.32	404.65	1.84
2017/02/05 21:27	6.32	478.26	2.17
2017/02/05 21:42	6.32	478.26	2.17
2017/02/05 21:57	6.04	450.55	2.17
2017/02/05 22:12	5.93	461.46	2.28
2017/02/05 22:27	5.82	449.86	2.28
2017/02/05 22:42	5.73	431.46	2.23
2017/02/05 22:57	5.61	418.82	2.23
2017/02/05 23:12	5.21	363.82	2.14
2017/02/05 23:27	4.98	342.71	2.14
2017/02/05 23:42	4.87	326.60	2.11
2017/02/05 23:57	4.41	272.29	2.01
2017/02/06 00:12	4.30	252.43	1.93
2017/02/06 00:27	4.25	246.11	1.92
2017/02/06 00:42	3.98	203.33	1.73
2017/02/06 00:57	3.76	147.64	1.37
2017/02/06 01:12	3.76	134.31	1.24
2017/02/06 01:27	3.66	126.60	1.21
2017/02/06 01:42	3.64	125.21	1.21
2017/02/06 01:57	3.58	125.28	1.24
2017/02/06 02:12	3.37	115.07	1.24
2017/02/06 02:27	3.32	110.62	1.22
2017/02/06 02:42	3.18	104.10	1.22
2017/02/06 02:57	3.16	103.40	1.22
2017/02/06 03:12	3.16	103.40	1.22
2017/02/06 03:27	3.16	103.40	1.22
2017/02/06 03:42	3.18	104.10	1.22
2017/02/06 03:57	3.73	130.76	1.22
2017/02/06 04:12	4.22	218.68	1.72

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 04:27	4.22	223.96	1.76
2017/02/06 04:42	4.39	264.58	1.97
2017/02/06 04:57	4.39	264.58	1.97
2017/02/06 05:12	4.39	266.25	1.99
2017/02/06 05:27	4.54	289.24	2.06
2017/02/06 05:42	4.80	312.78	2.06
2017/02/06 05:57	4.89	343.33	2.20
2017/02/06 06:12	4.89	343.33	2.20
2017/02/06 06:27	5.62	385.42	2.04
2017/02/06 06:42	7.05	520.28	2.04
2017/02/06 06:57	7.54	566.73	2.04
2017/02/06 07:12	7.69	581.32	2.04
2017/02/06 07:27	7.72	616.66	2.16
2017/02/06 07:42	7.91	602.57	2.04
2017/02/06 07:57	8.51	696.25	2.16
2017/02/06 08:12	9.58	801.80	2.16
2017/02/06 08:27	9.58	801.80	2.16
2017/02/06 08:42	9.58	602.91	1.62
2017/02/06 08:57	9.58	560.97	1.51
2017/02/06 09:12	9.29	541.11	1.51
2017/02/06 09:27	9.09	567.15	1.62
2017/02/06 09:42	9.00	559.93	1.62
2017/02/06 09:57	8.97	602.43	1.75
2017/02/06 10:12	8.97	781.25	2.27
2017/02/06 10:27	8.94	778.33	2.27
2017/02/06 10:42	8.77	763.47	2.28
2017/02/06 10:57	8.63	748.82	2.28
2017/02/06 11:12	8.61	876.59	2.68
2017/02/06 11:27	8.54	867.98	2.68
2017/02/06 11:42	8.11	797.22	2.62
2017/02/06 11:57	7.55	744.86	2.68
2017/02/06 12:12	7.32	715.28	2.68
2017/02/06 12:27	6.83	640.69	2.62
2017/02/06 12:42	6.54	581.53	2.52
2017/02/06 12:57	6.45	571.80	2.52
2017/02/06 13:12	6.43	568.54	2.52
2017/02/06 13:27	6.40	565.35	2.52
2017/02/06 13:42	6.14	530.42	2.50
2017/02/06 13:57	5.97	511.32	2.50
2017/02/06 14:12	5.82	493.82	2.50
2017/02/06 14:27	5.82	470.97	2.39
2017/02/06 14:42	5.82	452.01	2.29
2017/02/06 14:57	5.68	437.50	2.29
2017/02/06 15:12	5.68	420.90	2.20
2017/02/06 15:27	5.68	437.50	2.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 15:42	5.59	409.72	2.19
2017/02/06 15:57	5.55	381.32	2.06
2017/02/06 16:12	5.51	401.53	2.19
2017/02/06 16:27	5.51	401.53	2.19
2017/02/06 16:42	5.51	410.48	2.24
2017/02/06 16:57	5.47	406.25	2.24
2017/02/06 17:12	5.44	364.37	2.02
2017/02/06 17:27	5.47	397.71	2.19
2017/02/06 17:42	5.47	406.25	2.24
2017/02/06 17:57	5.64	455.14	2.41
2017/02/06 18:12	5.82	464.93	2.36
2017/02/06 18:27	6.02	487.36	2.36
2017/02/06 18:42	6.27	525.42	2.41
2017/02/06 18:57	6.30	534.58	2.43
2017/02/06 19:12	6.33	565.28	2.56
2017/02/06 19:27	6.36	611.66	2.75
2017/02/06 19:42	6.40	624.79	2.79
2017/02/06 19:57	6.50	637.36	2.79
2017/02/06 20:12	6.50	637.36	2.79
2017/02/06 20:27	6.50	629.37	2.75
2017/02/06 20:42	6.55	591.60	2.56
2017/02/06 20:57	6.55	558.12	2.41
2017/02/06 21:12	6.50	551.87	2.41
2017/02/06 21:27	6.37	537.91	2.41
2017/02/06 21:42	6.37	537.91	2.41
2017/02/06 21:57	6.33	533.26	2.41
2017/02/06 22:12	6.32	531.73	2.41
2017/02/06 22:27	6.26	525.55	2.41
2017/02/06 22:42	6.12	510.14	2.41
2017/02/06 22:57	5.37	414.37	2.34
2017/02/06 23:12	5.33	397.71	2.27
2017/02/06 23:27	5.29	393.47	2.27
2017/02/06 23:42	5.21	369.72	2.18
2017/02/06 23:57	4.97	347.01	2.18
2017/02/07 00:12	4.93	337.22	2.14
2017/02/07 00:27	4.83	334.17	2.18
2017/02/07 00:42	4.62	314.44	2.18
2017/02/07 00:57	4.43	296.25	2.18
2017/02/07 01:12	4.43	290.90	2.14
2017/02/07 01:27	4.37	274.03	2.05
2017/02/07 01:42	4.18	247.22	1.97
2017/02/07 01:57	3.96	209.72	1.81
2017/02/07 02:12	3.87	203.54	1.81
2017/02/07 02:27	3.83	193.33	1.74
2017/02/07 02:42	3.73	193.33	1.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 02:57	3.61	177.71	1.74
2017/02/07 03:12	3.54	172.92	1.74
2017/02/07 03:27	3.54	172.92	1.74
2017/02/07 03:42	3.54	190.00	1.92
2017/02/07 03:57	3.54	190.00	1.92
2017/02/07 04:12	3.75	205.97	1.92
2017/02/07 04:27	3.84	224.93	2.02
2017/02/07 04:42	4.07	248.75	2.06
2017/02/07 04:57	4.07	250.97	2.08
2017/02/07 05:12	4.22	264.24	2.08
2017/02/07 05:27	4.22	261.94	2.06
2017/02/07 05:42	4.22	261.94	2.06
2017/02/07 05:57	4.40	280.14	2.08
2017/02/07 06:12	4.57	292.36	2.06
2017/02/07 06:27	4.96	335.76	2.11
2017/02/07 06:42	5.16	355.21	2.11
2017/02/07 06:57	5.39	451.87	2.54
2017/02/07 07:12	6.29	556.39	2.54
2017/02/07 07:27	6.79	512.15	2.11
2017/02/07 07:42	7.58	590.35	2.11
2017/02/07 07:57	7.58	671.66	2.41
2017/02/07 08:12	7.58	671.66	2.41
2017/02/07 08:27	7.58	671.66	2.41
2017/02/07 08:42	7.34	645.14	2.41
2017/02/07 08:57	6.90	680.14	2.75
2017/02/07 09:12	6.79	665.90	2.75
2017/02/07 09:27	6.70	655.21	2.75
2017/02/07 09:42	6.59	638.19	2.74
2017/02/07 09:57	6.55	632.91	2.74
2017/02/07 10:12	6.48	566.66	2.49
2017/02/07 10:27	6.45	563.47	2.49
2017/02/07 10:42	6.37	553.89	2.49
2017/02/07 10:57	6.36	552.29	2.49
2017/02/07 11:12	6.37	553.89	2.49
2017/02/07 11:27	6.34	585.90	2.64
2017/02/07 11:42	6.34	586.87	2.65
2017/02/07 11:57	6.14	561.46	2.65
2017/02/07 12:12	6.14	560.48	2.64
2017/02/07 12:27	6.32	554.93	2.52
2017/02/07 12:42	6.32	547.22	2.48
2017/02/07 12:57	6.12	502.08	2.38
2017/02/07 13:12	6.04	472.36	2.28
2017/02/07 13:27	5.97	465.14	2.28
2017/02/07 13:42	5.87	473.96	2.37
2017/02/07 13:57	5.80	447.85	2.28

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 14:12	5.43	409.23	2.28
2017/02/07 14:27	5.43	409.23	2.28
2017/02/07 14:42	5.41	424.72	2.37
2017/02/07 14:57	5.29	411.46	2.37
2017/02/07 15:12	5.27	377.78	2.19
2017/02/07 15:27	5.27	375.14	2.17
2017/02/07 15:42	5.19	367.08	2.17
2017/02/07 15:57	5.19	349.30	2.06
2017/02/07 16:12	5.19	349.30	2.06
2017/02/07 16:27	5.19	349.30	2.06
2017/02/07 16:42	5.19	349.30	2.06
2017/02/07 16:57	5.39	404.44	2.27
2017/02/07 17:12	5.40	405.83	2.27
2017/02/07 17:27	5.44	410.07	2.27
2017/02/07 17:42	5.50	415.76	2.27
2017/02/07 17:57	5.54	429.03	2.32
2017/02/07 18:12	5.73	449.51	2.32
2017/02/07 18:27	5.80	503.05	2.56
2017/02/07 18:42	6.08	553.75	2.64
2017/02/07 18:57	6.14	577.98	2.73
2017/02/07 19:12	6.30	635.07	2.89
2017/02/07 19:27	6.47	657.36	2.89
2017/02/07 19:42	6.47	657.36	2.89
2017/02/07 19:57	6.54	666.66	2.89
2017/02/07 20:12	6.54	668.05	2.90
2017/02/07 20:27	6.58	673.68	2.90
2017/02/07 20:42	6.58	689.30	2.96
2017/02/07 20:57	6.47	727.78	3.20
2017/02/07 21:12	6.41	742.57	3.30
2017/02/07 21:27	6.41	744.58	3.31
2017/02/07 21:42	6.41	744.58	3.31
2017/02/07 21:57	6.39	740.34	3.31
2017/02/07 22:12	6.36	672.01	3.02
2017/02/07 22:27	6.36	672.01	3.02
2017/02/07 22:42	6.11	620.48	2.95
2017/02/07 22:57	6.00	605.41	2.95
2017/02/07 23:12	5.43	526.60	2.93
2017/02/07 23:27	5.18	485.90	2.88
2017/02/07 23:42	4.94	450.00	2.85
2017/02/07 23:57	4.76	394.79	2.63
2017/02/08 00:12	4.69	359.86	2.44
2017/02/08 00:27	4.19	284.65	2.26
2017/02/08 00:42	3.96	247.08	2.13
2017/02/08 00:57	3.68	202.85	1.94
2017/02/08 01:12	3.65	196.46	1.90

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 01:27	3.58	187.50	1.86
2017/02/08 01:42	3.41	175.21	1.86
2017/02/08 01:57	3.40	177.64	1.90
2017/02/08 02:12	3.18	146.53	1.72
2017/02/08 02:27	3.18	146.53	1.72
2017/02/08 02:42	3.15	152.57	1.81
2017/02/08 02:57	3.08	147.78	1.81
2017/02/08 03:12	3.08	153.61	1.89
2017/02/08 03:27	3.08	152.01	1.87
2017/02/08 03:42	3.08	152.01	1.87
2017/02/08 03:57	3.12	154.93	1.87
2017/02/08 04:12	3.16	157.92	1.87
2017/02/08 04:27	3.19	159.86	1.87
2017/02/08 04:42	3.30	167.85	1.87
2017/02/08 04:57	3.37	153.26	1.65
2017/02/08 05:12	3.39	150.49	1.61
2017/02/08 05:27	3.40	151.32	1.61
2017/02/08 05:42	3.58	162.85	1.61
2017/02/08 05:57	3.58	189.79	1.88
2017/02/08 06:12	3.68	197.08	1.88
2017/02/08 06:27	3.96	261.80	2.26
2017/02/08 06:42	4.50	332.43	2.39
2017/02/08 06:57	4.57	355.97	2.51
2017/02/08 07:12	4.89	430.48	2.76
2017/02/08 07:27	5.34	486.67	2.76
2017/02/08 07:42	6.23	607.36	2.81
2017/02/08 07:57	6.55	659.03	2.85
2017/02/08 08:12	6.87	701.32	2.85
2017/02/08 08:27	6.87	701.32	2.85
2017/02/08 08:42	6.87	701.32	2.85
2017/02/08 08:57	6.87	798.96	3.25
2017/02/08 09:12	6.80	788.47	3.25
2017/02/08 09:27	6.64	763.26	3.25
2017/02/08 09:42	6.64	717.01	3.05
2017/02/08 09:57	6.62	715.07	3.05
2017/02/08 10:12	6.58	709.16	3.05
2017/02/08 10:27	6.54	696.60	3.02
2017/02/08 10:42	6.54	668.75	2.90
2017/02/08 10:57	6.54	635.69	2.76
2017/02/08 11:12	6.37	646.39	2.90
2017/02/08 11:27	6.37	657.29	2.95
2017/02/08 11:42	5.94	598.89	2.95
2017/02/08 11:57	5.93	597.01	2.95
2017/02/08 12:12	5.90	593.26	2.95
2017/02/08 12:27	5.87	590.76	2.96

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 12:42	5.65	560.90	2.96
2017/02/08 12:57	5.59	589.44	3.15
2017/02/08 13:12	5.52	544.16	2.96
2017/02/08 13:27	5.52	520.90	2.83
2017/02/08 13:42	5.52	476.73	2.59
2017/02/08 13:57	5.59	484.86	2.59
2017/02/08 14:12	5.68	494.65	2.59
2017/02/08 14:27	5.68	494.65	2.59
2017/02/08 14:42	5.69	496.32	2.59
2017/02/08 14:57	5.70	502.92	2.62
2017/02/08 15:12	5.69	501.25	2.62
2017/02/08 15:27	5.70	521.67	2.71
2017/02/08 15:42	5.75	560.00	2.88
2017/02/08 15:57	5.70	521.67	2.71
2017/02/08 16:12	5.69	552.71	2.88
2017/02/08 16:27	5.62	543.68	2.88
2017/02/08 16:42	5.57	517.98	2.78
2017/02/08 16:57	5.57	535.00	2.88
2017/02/08 17:12	5.57	535.00	2.88
2017/02/08 17:27	5.57	517.98	2.78
2017/02/08 17:42	5.58	530.83	2.84
2017/02/08 17:57	5.62	524.93	2.78
2017/02/08 18:12	5.68	530.83	2.78
2017/02/08 18:27	5.77	543.05	2.78
2017/02/08 18:42	6.26	604.93	2.78
2017/02/08 18:57	6.26	604.93	2.78
2017/02/08 19:12	6.27	621.04	2.84
2017/02/08 19:27	6.29	677.01	3.09
2017/02/08 19:42	6.27	679.37	3.11
2017/02/08 19:57	6.29	701.04	3.20
2017/02/08 20:12	6.29	707.08	3.23
2017/02/08 20:27	6.29	707.08	3.23
2017/02/08 20:42	6.29	707.08	3.23
2017/02/08 20:57	6.29	701.04	3.20
2017/02/08 21:12	6.26	650.14	2.99
2017/02/08 21:27	6.18	638.68	2.99
2017/02/08 21:42	6.18	638.68	2.99
2017/02/08 21:57	6.14	632.91	2.99
2017/02/08 22:12	6.12	662.98	3.14
2017/02/08 22:27	6.01	646.94	3.14
2017/02/08 22:42	6.00	645.00	3.14
2017/02/08 22:57	5.98	642.98	3.14
2017/02/08 23:12	5.14	486.18	2.92
2017/02/08 23:27	5.09	479.51	2.91
2017/02/08 23:42	4.98	456.73	2.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 23:57	4.93	409.10	2.60
2017/02/09 00:12	4.37	337.99	2.53
2017/02/09 00:27	4.33	317.43	2.41
2017/02/09 00:42	4.12	285.62	2.32
2017/02/09 00:57	4.04	276.80	2.32
2017/02/09 01:12	3.79	253.05	2.32
2017/02/09 01:27	3.73	241.94	2.26
2017/02/09 01:42	3.55	225.62	2.26
2017/02/09 01:57	3.50	220.62	2.26
2017/02/09 02:12	3.50	207.22	2.12
2017/02/09 02:27	3.40	199.10	2.12
2017/02/09 02:42	3.33	193.33	2.12
2017/02/09 02:57	3.27	168.06	1.89
2017/02/09 03:12	3.25	153.26	1.75
2017/02/09 03:27	3.22	147.43	1.70
2017/02/09 03:42	3.22	147.43	1.70
2017/02/09 03:57	3.16	143.82	1.70
2017/02/09 04:12	3.16	143.82	1.70
2017/02/09 04:27	3.16	153.89	1.82
2017/02/09 04:42	3.16	153.89	1.82
2017/02/09 04:57	3.22	161.46	1.86
2017/02/09 05:12	3.36	171.46	1.86
2017/02/09 05:27	3.37	172.50	1.86
2017/02/09 05:42	3.43	176.53	1.86
2017/02/09 05:57	3.47	205.90	2.13
2017/02/09 06:12	3.76	236.25	2.19
2017/02/09 06:27	4.19	277.01	2.20
2017/02/09 06:42	4.72	334.51	2.25
2017/02/09 06:57	4.93	411.73	2.61
2017/02/09 07:12	5.36	466.80	2.64
2017/02/09 07:27	5.50	500.00	2.73
2017/02/09 07:42	6.20	588.33	2.73
2017/02/09 07:57	6.23	599.72	2.77
2017/02/09 08:12	6.72	756.18	3.16
2017/02/09 08:27	6.80	796.25	3.28
2017/02/09 08:42	6.80	796.25	3.28
2017/02/09 08:57	6.80	796.25	3.28
2017/02/09 09:12	6.80	802.91	3.31
2017/02/09 09:27	6.70	781.39	3.28
2017/02/09 09:42	6.59	737.78	3.16
2017/02/09 09:57	6.40	736.66	3.29
2017/02/09 10:12	6.40	633.68	2.83
2017/02/09 10:27	6.37	732.43	3.29
2017/02/09 10:42	6.29	719.79	3.29
2017/02/09 10:57	6.26	715.55	3.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 11:12	6.26	715.55	3.29
2017/02/09 11:27	6.26	715.55	3.29
2017/02/09 11:42	6.26	720.21	3.31
2017/02/09 11:57	6.26	720.21	3.31
2017/02/09 12:12	6.26	720.21	3.31
2017/02/09 12:27	6.22	692.15	3.21
2017/02/09 12:42	6.22	692.15	3.21
2017/02/09 12:57	6.20	690.07	3.21
2017/02/09 13:12	6.08	671.66	3.21
2017/02/09 13:27	6.08	649.30	3.10
2017/02/09 13:42	6.15	628.05	2.95
2017/02/09 13:57	6.15	628.05	2.95
2017/02/09 14:12	6.15	628.05	2.95
2017/02/09 14:27	6.07	607.50	2.91
2017/02/09 14:42	5.94	552.08	2.72
2017/02/09 14:57	5.91	548.68	2.72
2017/02/09 15:12	5.73	526.32	2.72
2017/02/09 15:27	5.73	526.32	2.72
2017/02/09 15:42	5.65	516.04	2.72
2017/02/09 15:57	5.65	551.60	2.91
2017/02/09 16:12	5.72	579.30	3.00
2017/02/09 16:27	5.72	580.48	3.01
2017/02/09 16:42	5.62	580.21	3.08
2017/02/09 16:57	5.72	593.75	3.08
2017/02/09 17:12	5.72	596.11	3.09
2017/02/09 17:27	5.72	600.55	3.11
2017/02/09 17:42	5.72	596.11	3.09
2017/02/09 17:57	5.72	593.75	3.08
2017/02/09 18:12	5.77	603.89	3.09
2017/02/09 18:27	5.77	578.26	2.96
2017/02/09 18:42	5.87	636.80	3.19
2017/02/09 18:57	5.93	647.36	3.20
2017/02/09 19:12	5.98	635.76	3.10
2017/02/09 19:27	6.15	669.23	3.15
2017/02/09 19:42	6.20	688.12	3.20
2017/02/09 19:57	6.20	688.12	3.20
2017/02/09 20:12	6.20	688.12	3.20
2017/02/09 20:27	6.22	679.30	3.15
2017/02/09 20:42	6.22	679.30	3.15
2017/02/09 20:57	6.22	702.71	3.26
2017/02/09 21:12	6.22	702.71	3.26
2017/02/09 21:27	6.22	705.62	3.27
2017/02/09 21:42	6.22	653.61	3.03
2017/02/09 21:57	6.20	651.66	3.03
2017/02/09 22:12	6.18	603.40	2.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 22:27	5.90	567.50	2.82
2017/02/09 22:42	5.72	544.30	2.82
2017/02/09 22:57	5.58	526.53	2.82
2017/02/09 23:12	5.36	493.19	2.79
2017/02/09 23:27	4.89	434.79	2.79
2017/02/09 23:42	4.82	418.82	2.74
2017/02/09 23:57	4.62	395.69	2.74
2017/02/10 00:12	4.50	359.72	2.59
2017/02/10 00:27	4.39	344.37	2.57
2017/02/10 00:42	4.09	285.55	2.34
2017/02/10 00:57	3.93	264.30	2.30
2017/02/10 01:12	3.82	253.82	2.30
2017/02/10 01:27	3.68	240.14	2.29
2017/02/10 01:42	3.62	235.00	2.29
2017/02/10 01:57	3.46	216.32	2.26
2017/02/10 02:12	3.40	209.10	2.23
2017/02/10 02:27	3.32	184.03	2.03
2017/02/10 02:42	3.32	184.03	2.03
2017/02/10 02:57	3.32	164.86	1.82
2017/02/10 03:12	3.25	158.26	1.80
2017/02/10 03:27	3.23	157.29	1.80
2017/02/10 03:42	3.05	142.57	1.77
2017/02/10 03:57	3.05	144.86	1.80
2017/02/10 04:12	3.05	144.86	1.80
2017/02/10 04:27	3.05	142.57	1.77
2017/02/10 04:42	3.05	111.39	1.39
2017/02/10 04:57	3.11	105.97	1.28
2017/02/10 05:12	3.30	115.56	1.28
2017/02/10 05:27	3.32	119.31	1.32
2017/02/10 05:42	3.48	127.92	1.32
2017/02/10 05:57	3.59	140.56	1.39
2017/02/10 06:12	3.64	228.40	2.22
2017/02/10 06:27	3.90	263.19	2.31
2017/02/10 06:42	4.21	317.43	2.51
2017/02/10 06:57	4.30	341.87	2.62
2017/02/10 07:12	4.82	430.48	2.82
2017/02/10 07:27	5.11	466.67	2.82
2017/02/10 07:42	6.20	630.35	2.93
2017/02/10 07:57	6.50	676.46	2.96
2017/02/10 08:12	6.64	763.26	3.25
2017/02/10 08:27	6.76	796.11	3.31
2017/02/10 08:42	6.87	813.19	3.31
2017/02/10 08:57	6.87	798.96	3.25
2017/02/10 09:12	6.82	809.86	3.33
2017/02/10 09:27	6.82	790.55	3.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 09:42	6.80	788.47	3.25
2017/02/10 09:57	6.80	807.71	3.33
2017/02/10 10:12	6.70	773.40	3.25
2017/02/10 10:27	6.57	771.25	3.33
2017/02/10 10:42	6.51	762.64	3.33
2017/02/10 10:57	6.43	739.86	3.28
2017/02/10 11:12	6.41	737.71	3.28
2017/02/10 11:27	6.36	721.18	3.25
2017/02/10 11:42	6.36	650.62	2.93
2017/02/10 11:57	6.36	643.19	2.89
2017/02/10 12:12	6.25	628.33	2.89
2017/02/10 12:27	6.16	624.37	2.93
2017/02/10 12:42	6.02	598.75	2.89
2017/02/10 12:57	6.02	590.28	2.85
2017/02/10 13:12	6.01	603.89	2.93
2017/02/10 13:27	6.00	586.60	2.85
2017/02/10 13:42	6.00	586.60	2.85
2017/02/10 13:57	5.97	577.36	2.83
2017/02/10 14:12	5.95	575.62	2.83
2017/02/10 14:27	5.94	573.82	2.83
2017/02/10 14:42	5.91	588.40	2.92
2017/02/10 14:57	5.83	557.64	2.82
2017/02/10 15:12	5.69	539.86	2.82
2017/02/10 15:27	5.69	558.89	2.92
2017/02/10 15:42	5.69	581.66	3.04
2017/02/10 15:57	5.68	579.79	3.04
2017/02/10 16:12	5.68	579.79	3.04
2017/02/10 16:27	5.69	549.79	2.87
2017/02/10 16:42	5.75	589.30	3.04
2017/02/10 16:57	5.79	596.87	3.04
2017/02/10 17:12	5.97	630.41	3.09
2017/02/10 17:27	5.97	621.94	3.04
2017/02/10 17:42	6.08	637.50	3.04
2017/02/10 17:57	6.08	644.79	3.08
2017/02/10 18:12	6.04	638.96	3.08
2017/02/10 18:27	6.04	586.39	2.83
2017/02/10 18:42	6.09	593.61	2.83
2017/02/10 18:57	6.09	556.73	2.65
2017/02/10 19:12	6.18	566.87	2.65
2017/02/10 19:27	6.54	643.82	2.79
2017/02/10 19:42	6.54	643.82	2.79
2017/02/10 19:57	6.54	703.26	3.05
2017/02/10 20:12	6.54	703.26	3.05
2017/02/10 20:27	6.43	687.57	3.05
2017/02/10 20:42	6.37	679.72	3.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 20:57	6.36	677.78	3.05
2017/02/10 21:12	6.32	671.87	3.05
2017/02/10 21:27	6.30	636.11	2.90
2017/02/10 21:42	6.23	621.53	2.87
2017/02/10 21:57	6.02	599.10	2.90
2017/02/10 22:12	5.82	566.73	2.87
2017/02/10 22:27	5.57	534.16	2.87
2017/02/10 22:42	5.39	496.39	2.79
2017/02/10 22:57	4.84	418.40	2.72
2017/02/10 23:12	4.79	411.80	2.72
2017/02/10 23:27	4.77	395.00	2.62
2017/02/10 23:42	4.73	359.10	2.41
2017/02/10 23:57	4.57	341.74	2.41
2017/02/11 00:12	4.47	331.67	2.41
2017/02/11 00:27	4.44	328.40	2.41
2017/02/11 00:42	4.32	315.62	2.41
2017/02/11 00:57	4.22	283.26	2.23
2017/02/11 01:12	4.12	267.57	2.18
2017/02/11 01:27	3.82	229.93	2.08
2017/02/11 01:42	3.75	215.69	2.01
2017/02/11 01:57	3.37	171.67	1.85
2017/02/11 02:12	3.23	138.75	1.59
2017/02/11 02:27	3.23	138.75	1.59
2017/02/11 02:42	3.23	138.75	1.59
2017/02/11 02:57	3.22	137.92	1.59
2017/02/11 03:12	3.22	137.92	1.59
2017/02/11 03:27	3.21	149.44	1.73
2017/02/11 03:42	3.21	159.72	1.85
2017/02/11 03:57	3.15	157.92	1.88
2017/02/11 04:12	3.12	153.82	1.85
2017/02/11 04:27	3.09	166.11	2.03
2017/02/11 04:42	3.09	166.11	2.03
2017/02/11 04:57	3.09	167.50	2.04
2017/02/11 05:12	3.09	167.50	2.04
2017/02/11 05:27	3.14	170.69	2.04
2017/02/11 05:42	3.25	179.37	2.04
2017/02/11 05:57	3.26	183.19	2.07
2017/02/11 06:12	3.32	187.64	2.07
2017/02/11 06:27	3.43	200.00	2.11
2017/02/11 06:42	3.57	208.05	2.07
2017/02/11 06:57	3.65	234.86	2.27
2017/02/11 07:12	3.91	259.17	2.27
2017/02/11 07:27	3.91	282.71	2.47
2017/02/11 07:42	4.26	345.90	2.69
2017/02/11 07:57	4.41	373.19	2.76

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 08:12	4.73	411.18	2.76
2017/02/11 08:27	5.27	479.37	2.77
2017/02/11 08:42	5.90	558.61	2.78
2017/02/11 08:57	5.93	632.57	3.13
2017/02/11 09:12	6.30	686.39	3.13
2017/02/11 09:27	6.52	718.47	3.13
2017/02/11 09:42	6.69	742.64	3.13
2017/02/11 09:57	6.79	672.57	2.78
2017/02/11 10:12	6.80	643.61	2.65
2017/02/11 10:27	6.83	647.01	2.65
2017/02/11 10:42	6.93	659.03	2.65
2017/02/11 10:57	6.89	653.89	2.65
2017/02/11 11:12	6.89	755.48	3.06
2017/02/11 11:27	6.93	659.03	2.65
2017/02/11 11:42	7.01	773.33	3.06
2017/02/11 11:57	7.01	779.86	3.09
2017/02/11 12:12	6.93	767.91	3.09
2017/02/11 12:27	6.89	755.48	3.06
2017/02/11 12:42	6.79	741.66	3.06
2017/02/11 12:57	6.76	716.73	2.98
2017/02/11 13:12	6.73	740.28	3.09
2017/02/11 13:27	6.72	738.33	3.09
2017/02/11 13:42	6.57	716.39	3.09
2017/02/11 13:57	6.44	698.47	3.09
2017/02/11 14:12	6.44	698.47	3.09
2017/02/11 14:27	6.43	696.53	3.09
2017/02/11 14:42	6.40	695.28	3.10
2017/02/11 14:57	6.26	675.35	3.10
2017/02/11 15:12	6.26	663.40	3.05
2017/02/11 15:27	6.25	661.46	3.05
2017/02/11 15:42	6.22	657.57	3.05
2017/02/11 15:57	6.20	676.94	3.15
2017/02/11 16:12	6.20	679.93	3.16
2017/02/11 16:27	6.16	670.90	3.15
2017/02/11 16:42	6.16	673.89	3.16
2017/02/11 16:57	6.16	673.89	3.16
2017/02/11 17:12	6.20	686.18	3.19
2017/02/11 17:27	6.16	695.62	3.26
2017/02/11 17:42	6.20	679.93	3.16
2017/02/11 17:57	6.25	689.93	3.18
2017/02/11 18:12	6.27	694.03	3.18
2017/02/11 18:27	6.25	678.05	3.12
2017/02/11 18:42	6.25	689.93	3.18
2017/02/11 18:57	6.30	698.12	3.18
2017/02/11 19:12	6.30	698.12	3.18

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 19:27	6.30	698.12	3.18
2017/02/11 19:42	6.16	666.04	3.12
2017/02/11 19:57	6.00	642.15	3.12
2017/02/11 20:12	6.00	586.94	2.86
2017/02/11 20:27	5.84	567.01	2.86
2017/02/11 20:42	5.77	517.98	2.65
2017/02/11 20:57	5.70	509.65	2.65
2017/02/11 21:12	5.55	517.36	2.79
2017/02/11 21:27	5.48	495.83	2.72
2017/02/11 21:42	5.21	462.01	2.72
2017/02/11 21:57	5.21	473.89	2.79
2017/02/11 22:12	5.16	468.75	2.79
2017/02/11 22:27	5.16	468.75	2.79
2017/02/11 22:42	5.12	474.23	2.86
2017/02/11 22:57	5.01	438.54	2.72
2017/02/11 23:12	4.98	445.69	2.79
2017/02/11 23:27	4.93	438.89	2.79
2017/02/11 23:42	4.82	424.44	2.78
2017/02/11 23:57	4.75	404.86	2.71
2017/02/12 00:12	4.61	388.54	2.71
2017/02/12 00:27	4.44	336.53	2.47
2017/02/12 00:42	4.21	311.87	2.47
2017/02/12 00:57	4.15	302.36	2.44
2017/02/12 01:12	3.93	269.37	2.34
2017/02/12 01:27	3.83	256.32	2.31
2017/02/12 01:42	3.79	252.43	2.31
2017/02/12 01:57	3.57	227.29	2.27
2017/02/12 02:12	3.52	214.10	2.17
2017/02/12 02:27	3.48	188.61	1.94
2017/02/12 02:42	3.43	183.05	1.93
2017/02/12 02:57	3.40	180.97	1.93
2017/02/12 03:12	3.40	180.97	1.93
2017/02/12 03:27	3.32	174.65	1.93
2017/02/12 03:42	3.32	168.75	1.86
2017/02/12 03:57	3.29	163.89	1.83
2017/02/12 04:12	3.29	154.31	1.73
2017/02/12 04:27	3.29	163.89	1.83
2017/02/12 04:42	3.23	159.93	1.83
2017/02/12 04:57	3.23	159.93	1.83
2017/02/12 05:12	3.23	159.93	1.83
2017/02/12 05:27	3.23	161.67	1.85
2017/02/12 05:42	3.23	163.12	1.87
2017/02/12 05:57	3.27	186.87	2.10
2017/02/12 06:12	3.29	191.94	2.15
2017/02/12 06:27	3.29	193.33	2.16

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 06:42	3.36	203.12	2.20
2017/02/12 06:57	3.37	204.30	2.20
2017/02/12 07:12	3.52	233.05	2.36
2017/02/12 07:27	3.94	279.17	2.42
2017/02/12 07:42	4.00	287.43	2.44
2017/02/12 07:57	4.23	328.40	2.57
2017/02/12 08:12	4.75	397.29	2.66
2017/02/12 08:27	4.96	421.46	2.66
2017/02/12 08:42	5.40	478.82	2.68
2017/02/12 08:57	5.55	497.29	2.68
2017/02/12 09:12	6.11	565.14	2.68
2017/02/12 09:27	6.22	635.48	2.95
2017/02/12 09:42	6.23	653.89	3.02
2017/02/12 09:57	6.65	712.15	3.02
2017/02/12 10:12	6.66	714.09	3.02
2017/02/12 10:27	6.79	756.04	3.12
2017/02/12 10:42	6.95	780.28	3.12
2017/02/12 10:57	6.95	780.28	3.12
2017/02/12 11:12	6.95	780.28	3.12
2017/02/12 11:27	6.94	726.53	2.91
2017/02/12 11:42	6.94	699.51	2.81
2017/02/12 11:57	6.94	699.51	2.81
2017/02/12 12:12	6.94	699.51	2.81
2017/02/12 12:27	6.86	688.61	2.81
2017/02/12 12:42	6.76	753.12	3.13
2017/02/12 12:57	6.65	736.94	3.13
2017/02/12 13:12	6.59	728.89	3.13
2017/02/12 13:27	6.59	728.89	3.13
2017/02/12 13:42	6.57	730.90	3.15
2017/02/12 13:57	6.51	722.78	3.15
2017/02/12 14:12	6.51	726.94	3.17
2017/02/12 14:27	6.51	727.98	3.18
2017/02/12 14:42	6.51	735.00	3.21
2017/02/12 14:57	6.51	735.00	3.21
2017/02/12 15:12	6.40	747.22	3.33
2017/02/12 15:27	6.40	725.00	3.23
2017/02/12 15:42	6.23	693.89	3.21
2017/02/12 15:57	6.19	687.71	3.21
2017/02/12 16:12	6.19	693.96	3.23
2017/02/12 16:27	6.23	646.94	2.99
2017/02/12 16:42	6.32	677.98	3.08
2017/02/12 16:57	6.32	656.11	2.98
2017/02/12 17:12	6.25	625.35	2.88
2017/02/12 17:27	6.25	618.75	2.85
2017/02/12 17:42	6.26	620.55	2.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 17:57	6.26	606.60	2.79
2017/02/12 18:12	6.26	606.60	2.79
2017/02/12 18:27	6.26	600.62	2.76
2017/02/12 18:42	6.32	607.71	2.76
2017/02/12 18:57	6.36	612.98	2.76
2017/02/12 19:12	6.39	524.17	2.35
2017/02/12 19:27	6.39	524.17	2.35
2017/02/12 19:42	6.36	613.33	2.76
2017/02/12 19:57	6.32	619.10	2.81
2017/02/12 20:12	6.25	641.25	2.95
2017/02/12 20:27	6.18	631.80	2.95
2017/02/12 20:42	6.11	599.86	2.85
2017/02/12 20:57	6.11	622.36	2.95
2017/02/12 21:12	6.08	618.61	2.95
2017/02/12 21:27	6.11	599.86	2.85
2017/02/12 21:42	6.11	649.10	3.08
2017/02/12 21:57	6.04	590.83	2.85
2017/02/12 22:12	6.04	590.83	2.85
2017/02/12 22:27	5.70	566.87	2.95
2017/02/12 22:42	5.23	459.10	2.68
2017/02/12 22:57	5.12	438.96	2.64
2017/02/12 23:12	5.02	426.67	2.64
2017/02/12 23:27	4.98	421.80	2.64
2017/02/12 23:42	4.71	382.98	2.59
2017/02/12 23:57	4.25	322.08	2.51
2017/02/13 00:12	4.23	309.10	2.42
2017/02/13 00:27	4.23	301.11	2.36
2017/02/13 00:42	3.98	276.53	2.36
2017/02/13 00:57	3.90	265.97	2.34
2017/02/13 01:12	3.83	259.37	2.34
2017/02/13 01:27	3.65	233.12	2.25
2017/02/13 01:42	3.64	228.54	2.22
2017/02/13 01:57	3.64	228.54	2.22
2017/02/13 02:12	3.40	197.22	2.10
2017/02/13 02:27	3.40	195.28	2.08
2017/02/13 02:42	3.21	179.58	2.08
2017/02/13 02:57	3.14	163.47	1.96
2017/02/13 03:12	3.12	162.43	1.96
2017/02/13 03:27	3.07	164.51	2.03
2017/02/13 03:42	3.07	164.51	2.03
2017/02/13 03:57	3.07	164.51	2.03
2017/02/13 04:12	3.08	176.11	2.16
2017/02/13 04:27	3.08	172.29	2.11
2017/02/13 04:42	3.11	174.51	2.11
2017/02/13 04:57	3.21	175.21	2.03

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 05:12	3.25	174.86	1.99
2017/02/13 05:27	3.37	184.37	1.99
2017/02/13 05:42	3.41	187.78	1.99
2017/02/13 05:57	3.71	210.83	1.99
2017/02/13 06:12	3.72	211.94	1.99
2017/02/13 06:27	3.94	255.55	2.21
2017/02/13 06:42	4.29	290.00	2.23
2017/02/13 06:57	4.76	343.68	2.29
2017/02/13 07:12	5.29	463.89	2.67
2017/02/13 07:27	5.70	525.21	2.73
2017/02/13 07:42	6.00	561.53	2.73
2017/02/13 07:57	6.51	626.25	2.73
2017/02/13 08:12	6.69	750.28	3.16
2017/02/13 08:27	6.69	775.28	3.26
2017/02/13 08:42	6.69	775.28	3.26
2017/02/13 08:57	6.69	750.28	3.16
2017/02/13 09:12	6.69	715.83	3.01
2017/02/13 09:27	6.66	746.18	3.16
2017/02/13 09:42	6.64	758.26	3.23
2017/02/13 09:57	6.57	735.48	3.17
2017/02/13 10:12	6.57	709.30	3.06
2017/02/13 10:27	6.57	735.48	3.17
2017/02/13 10:42	6.57	735.48	3.17
2017/02/13 10:57	6.57	747.84	3.23
2017/02/13 11:12	6.55	745.76	3.23
2017/02/13 11:27	6.55	772.22	3.34
2017/02/13 11:42	6.44	755.76	3.34
2017/02/13 11:57	6.26	727.84	3.34
2017/02/13 12:12	6.16	712.22	3.34
2017/02/13 12:27	6.15	710.14	3.34
2017/02/13 12:42	6.15	637.43	3.00
2017/02/13 12:57	6.12	625.55	2.96
2017/02/13 13:12	6.05	604.03	2.90
2017/02/13 13:27	5.94	576.60	2.84
2017/02/13 13:42	5.70	546.04	2.84
2017/02/13 13:57	5.68	513.33	2.69
2017/02/13 14:12	5.59	503.19	2.69
2017/02/13 14:27	5.54	488.26	2.64
2017/02/13 14:42	5.54	488.26	2.64
2017/02/13 14:57	5.54	514.44	2.78
2017/02/13 15:12	5.59	521.46	2.78
2017/02/13 15:27	5.69	530.48	2.77
2017/02/13 15:42	5.69	533.75	2.78
2017/02/13 15:57	5.76	539.23	2.77
2017/02/13 16:12	5.80	547.78	2.78

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 16:27	5.80	560.97	2.85
2017/02/13 16:42	5.80	544.51	2.77
2017/02/13 16:57	5.80	560.97	2.85
2017/02/13 17:12	5.75	553.75	2.85
2017/02/13 17:27	5.80	543.61	2.76
2017/02/13 17:42	5.80	543.61	2.76
2017/02/13 17:57	5.80	537.57	2.73
2017/02/13 18:12	5.80	537.57	2.73
2017/02/13 18:27	5.83	547.08	2.76
2017/02/13 18:42	5.90	555.83	2.76
2017/02/13 18:57	6.20	614.23	2.86
2017/02/13 19:12	6.20	644.79	3.00
2017/02/13 19:27	6.26	652.43	3.00
2017/02/13 19:42	6.32	661.46	3.00
2017/02/13 19:57	6.37	669.16	3.00
2017/02/13 20:12	6.39	733.54	3.28
2017/02/13 20:27	6.39	733.54	3.28
2017/02/13 20:42	6.44	741.94	3.28
2017/02/13 20:57	6.48	738.19	3.24
2017/02/13 21:12	6.44	746.11	3.30
2017/02/13 21:27	6.44	746.11	3.30
2017/02/13 21:42	6.43	729.86	3.24
2017/02/13 21:57	6.43	726.46	3.22
2017/02/13 22:12	6.11	653.89	3.10
2017/02/13 22:27	6.11	643.26	3.05
2017/02/13 22:42	5.90	610.76	3.04
2017/02/13 22:57	5.72	534.03	2.77
2017/02/13 23:12	5.22	424.65	2.49
2017/02/13 23:27	5.14	415.42	2.49
2017/02/13 23:42	4.93	383.61	2.44
2017/02/13 23:57	4.59	344.58	2.41
2017/02/14 00:12	4.46	326.04	2.38
2017/02/14 00:27	4.33	312.57	2.37
2017/02/14 00:42	4.12	291.80	2.37
2017/02/14 00:57	3.83	263.26	2.37
2017/02/14 01:12	3.72	242.15	2.28
2017/02/14 01:27	3.52	216.18	2.19
2017/02/14 01:42	3.47	202.22	2.10
2017/02/14 01:57	3.44	192.22	2.02
2017/02/14 02:12	3.40	182.92	1.95
2017/02/14 02:27	3.34	178.68	1.95
2017/02/14 02:42	3.26	172.43	1.95
2017/02/14 02:57	3.14	163.33	1.95
2017/02/14 03:12	3.12	162.29	1.95
2017/02/14 03:27	3.12	162.29	1.95

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 03:42	3.11	161.25	1.95
2017/02/14 03:57	3.11	162.29	1.97
2017/02/14 04:12	3.11	162.29	1.97
2017/02/14 04:27	3.12	169.17	2.04
2017/02/14 04:42	3.15	165.42	1.97
2017/02/14 04:57	3.16	166.46	1.97
2017/02/14 05:12	3.21	169.58	1.97
2017/02/14 05:27	3.22	171.25	1.97
2017/02/14 05:42	3.41	194.37	2.06
2017/02/14 05:57	3.44	196.60	2.06
2017/02/14 06:12	3.73	232.64	2.17
2017/02/14 06:27	4.25	288.61	2.25
2017/02/14 06:42	4.47	313.40	2.28
2017/02/14 06:57	4.75	367.64	2.46
2017/02/14 07:12	5.22	434.03	2.55
2017/02/14 07:27	5.80	487.15	2.48
2017/02/14 07:42	6.52	569.37	2.48
2017/02/14 07:57	6.76	765.97	3.18
2017/02/14 08:12	6.76	765.97	3.18
2017/02/14 08:27	6.76	765.97	3.18
2017/02/14 08:42	6.84	764.51	3.12
2017/02/14 08:57	6.90	772.57	3.12
2017/02/14 09:12	6.90	772.57	3.12
2017/02/14 09:27	6.75	750.34	3.12
2017/02/14 09:42	6.73	620.41	2.59
2017/02/14 09:57	6.73	574.30	2.40
2017/02/14 10:12	6.73	574.30	2.40
2017/02/14 10:27	6.52	551.11	2.40
2017/02/14 10:42	6.47	545.00	2.40
2017/02/14 10:57	6.41	538.82	2.40
2017/02/14 11:12	6.41	538.82	2.40
2017/02/14 11:27	6.34	591.94	2.67
2017/02/14 11:42	6.23	586.18	2.71
2017/02/14 11:57	6.23	708.75	3.27
2017/02/14 12:12	6.18	580.28	2.71
2017/02/14 12:27	6.18	600.83	2.81
2017/02/14 12:42	6.16	603.89	2.83
2017/02/14 12:57	6.11	592.50	2.81
2017/02/14 13:12	6.16	603.89	2.83
2017/02/14 13:27	6.16	599.65	2.81
2017/02/14 13:42	6.11	592.50	2.81
2017/02/14 13:57	6.11	592.50	2.81
2017/02/14 14:12	6.11	596.66	2.83
2017/02/14 14:27	5.80	553.19	2.81
2017/02/14 14:42	5.80	580.48	2.95

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 14:57	5.73	541.94	2.80
2017/02/14 15:12	5.58	553.89	2.97
2017/02/14 15:27	5.58	482.15	2.58
2017/02/14 15:42	5.50	542.71	2.97
2017/02/14 15:57	5.50	542.71	2.97
2017/02/14 16:12	5.41	531.60	2.97
2017/02/14 16:27	5.41	531.60	2.97
2017/02/14 16:42	5.41	538.19	3.00
2017/02/14 16:57	5.51	551.32	3.00
2017/02/14 17:12	5.55	568.82	3.07
2017/02/14 17:27	5.79	601.66	3.07
2017/02/14 17:42	5.79	618.12	3.15
2017/02/14 17:57	5.79	618.12	3.15
2017/02/14 18:12	5.79	618.12	3.15
2017/02/14 18:27	5.86	615.62	3.09
2017/02/14 18:42	5.86	615.62	3.09
2017/02/14 18:57	6.01	614.58	2.98
2017/02/14 19:12	6.01	614.58	2.98
2017/02/14 19:27	6.05	620.28	2.98
2017/02/14 19:42	6.15	614.44	2.89
2017/02/14 19:57	6.18	618.12	2.89
2017/02/14 20:12	6.19	650.69	3.03
2017/02/14 20:27	6.19	651.39	3.04
2017/02/14 20:42	6.19	658.26	3.07
2017/02/14 20:57	6.18	656.32	3.07
2017/02/14 21:12	6.15	658.19	3.10
2017/02/14 21:27	6.09	650.28	3.10
2017/02/14 21:42	6.04	636.73	3.07
2017/02/14 21:57	5.91	619.16	3.07
2017/02/14 22:12	5.58	569.51	3.05
2017/02/14 22:27	5.58	554.44	2.97
2017/02/14 22:42	5.50	518.19	2.83
2017/02/14 22:57	5.16	458.75	2.73
2017/02/14 23:12	5.14	455.35	2.73
2017/02/14 23:27	5.00	430.48	2.68
2017/02/14 23:42	4.79	389.65	2.57
2017/02/14 23:57	4.58	358.61	2.52
2017/02/15 00:12	4.27	312.78	2.42
2017/02/15 00:27	4.25	304.65	2.38
2017/02/15 00:42	4.11	288.19	2.35
2017/02/15 00:57	3.97	265.76	2.28
2017/02/15 01:12	3.66	224.03	2.15
2017/02/15 01:27	3.61	214.10	2.10
2017/02/15 01:42	3.33	181.80	2.00
2017/02/15 01:57	3.26	150.83	1.71

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 02:12	3.18	159.44	1.87
2017/02/15 02:27	3.11	154.44	1.87
2017/02/15 02:42	3.07	150.28	1.86
2017/02/15 02:57	3.07	150.28	1.86
2017/02/15 03:12	3.07	150.28	1.86
2017/02/15 03:27	3.05	149.31	1.86
2017/02/15 03:42	3.00	146.67	1.87
2017/02/15 03:57	2.91	146.94	1.95
2017/02/15 04:12	2.91	146.94	1.95
2017/02/15 04:27	3.00	156.94	2.00
2017/02/15 04:42	3.00	156.94	2.00
2017/02/15 04:57	3.02	159.03	2.00
2017/02/15 05:12	3.09	160.97	1.96
2017/02/15 05:27	3.23	171.39	1.96
2017/02/15 05:42	3.27	174.51	1.96
2017/02/15 05:57	3.41	204.03	2.16
2017/02/15 06:12	3.55	215.83	2.16
2017/02/15 06:27	4.26	329.79	2.56
2017/02/15 06:42	4.72	393.40	2.65
2017/02/15 06:57	4.82	417.22	2.73
2017/02/15 07:12	5.19	463.68	2.74
2017/02/15 07:27	5.73	570.90	2.95
2017/02/15 07:42	6.19	632.71	2.95
2017/02/15 07:57	6.58	657.71	2.83
2017/02/15 08:12	6.80	686.94	2.83
2017/02/15 08:27	6.80	695.83	2.87
2017/02/15 08:42	6.80	686.94	2.83
2017/02/15 08:57	6.82	697.64	2.87
2017/02/15 09:12	6.82	695.83	2.86
2017/02/15 09:27	6.80	695.83	2.87
2017/02/15 09:42	6.75	766.87	3.19
2017/02/15 09:57	6.62	748.33	3.19
2017/02/15 10:12	6.75	766.87	3.19
2017/02/15 10:27	6.75	766.87	3.19
2017/02/15 10:42	6.73	757.15	3.16
2017/02/15 10:57	6.57	732.64	3.16
2017/02/15 11:12	6.48	720.48	3.16
2017/02/15 11:27	6.45	713.96	3.15
2017/02/15 11:42	6.45	713.96	3.15
2017/02/15 11:57	6.34	697.78	3.15
2017/02/15 12:12	6.18	673.61	3.15
2017/02/15 12:27	6.11	675.41	3.21
2017/02/15 12:42	6.04	665.21	3.21
2017/02/15 12:57	5.98	642.64	3.14
2017/02/15 13:12	5.89	628.75	3.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 13:27	5.86	620.21	3.11
2017/02/15 13:42	5.83	616.25	3.11
2017/02/15 13:57	5.83	615.35	3.11
2017/02/15 14:12	5.80	605.69	3.08
2017/02/15 14:27	5.62	580.48	3.08
2017/02/15 14:42	5.55	555.55	3.00
2017/02/15 14:57	5.50	548.05	3.00
2017/02/15 15:12	5.41	536.80	3.00
2017/02/15 15:27	5.41	536.80	3.00
2017/02/15 15:42	5.41	553.47	3.09
2017/02/15 15:57	5.44	557.29	3.09
2017/02/15 16:12	5.44	540.55	3.00
2017/02/15 16:27	5.50	565.07	3.09
2017/02/15 16:42	5.55	567.43	3.06
2017/02/15 16:57	5.55	567.43	3.06
2017/02/15 17:12	5.59	573.19	3.06
2017/02/15 17:27	5.59	573.19	3.06
2017/02/15 17:42	5.59	579.16	3.09
2017/02/15 17:57	5.59	579.16	3.09
2017/02/15 18:12	5.55	573.33	3.09
2017/02/15 18:27	5.55	573.89	3.10
2017/02/15 18:42	5.87	618.82	3.10
2017/02/15 18:57	5.87	618.82	3.10
2017/02/15 19:12	6.14	656.25	3.10
2017/02/15 19:27	6.27	676.04	3.10
2017/02/15 19:42	6.29	677.98	3.10
2017/02/15 19:57	6.36	703.89	3.17
2017/02/15 20:12	6.36	722.50	3.25
2017/02/15 20:27	6.36	725.55	3.27
2017/02/15 20:42	6.33	732.84	3.32
2017/02/15 20:57	6.30	728.61	3.32
2017/02/15 21:12	6.30	728.61	3.32
2017/02/15 21:27	6.29	728.12	3.32
2017/02/15 21:42	6.23	717.98	3.32
2017/02/15 21:57	6.18	709.51	3.32
2017/02/15 22:12	5.82	647.98	3.28
2017/02/15 22:27	5.80	618.89	3.15
2017/02/15 22:42	5.79	616.94	3.15
2017/02/15 22:57	5.77	566.04	2.90
2017/02/15 23:12	5.32	492.01	2.82
2017/02/15 23:27	4.98	444.51	2.78
2017/02/15 23:42	4.76	376.18	2.50
2017/02/15 23:57	4.72	359.65	2.42
2017/02/16 00:12	4.39	335.76	2.50
2017/02/16 00:27	4.32	307.43	2.34


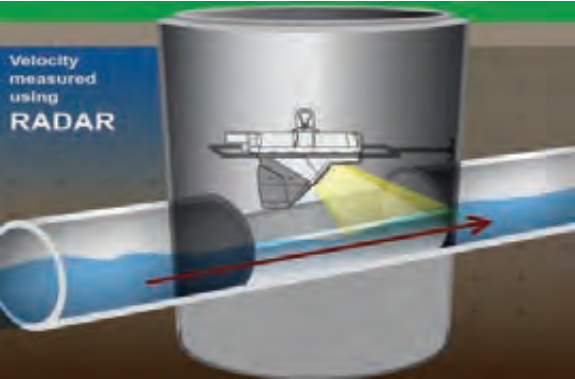

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 00:42	4.15	289.10	2.33
2017/02/16 00:57	3.77	244.79	2.25
2017/02/16 01:12	3.66	201.46	1.93
2017/02/16 01:27	3.52	190.76	1.93
2017/02/16 01:42	3.29	164.17	1.84
2017/02/16 01:57	3.26	128.75	1.46
2017/02/16 02:12	3.21	125.62	1.46
2017/02/16 02:27	3.18	124.86	1.47
2017/02/16 02:42	3.11	139.10	1.69
2017/02/16 02:57	3.09	138.19	1.69
2017/02/16 03:12	3.09	138.19	1.69
2017/02/16 03:27	3.00	116.25	1.48
2017/02/16 03:42	2.97	130.28	1.69
2017/02/16 03:57	2.97	136.46	1.77
2017/02/16 04:12	2.97	136.46	1.77
2017/02/16 04:27	2.97	136.46	1.77
2017/02/16 04:42	3.00	125.14	1.60
2017/02/16 04:57	3.05	125.62	1.56
2017/02/16 05:12	3.12	129.72	1.56
2017/02/16 05:27	3.21	134.72	1.56
2017/02/16 05:42	3.32	141.39	1.56
2017/02/16 05:57	3.39	148.89	1.60
2017/02/16 06:12	3.76	244.65	2.26
2017/02/16 06:27	3.98	289.79	2.47
2017/02/16 06:42	4.26	322.15	2.50
2017/02/16 06:57	4.76	392.01	2.61
2017/02/16 07:12	5.02	442.22	2.73
2017/02/16 07:27	5.61	518.05	2.76
2017/02/16 07:42	5.94	559.86	2.76
2017/02/16 07:57	6.70	657.01	2.76
2017/02/16 08:12	6.86	707.36	2.88
2017/02/16 08:27	6.87	709.23	2.88
2017/02/16 08:42	6.93	716.66	2.88
2017/02/16 08:57	6.93	716.66	2.88
2017/02/16 09:12	6.93	716.66	2.88
2017/02/16 09:27	6.86	707.36	2.88
2017/02/16 09:42	6.75	732.78	3.05
2017/02/16 09:57	6.68	722.91	3.05
2017/02/16 10:12	6.68	722.91	3.05
2017/02/16 10:27	6.57	707.22	3.05
2017/02/16 10:42	6.57	721.66	3.11
2017/02/16 10:57	6.50	711.66	3.11
2017/02/16 11:12	6.41	709.93	3.16
2017/02/16 11:27	6.40	707.91	3.16
2017/02/16 11:42	6.34	699.79	3.16

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 11:57	6.34	699.79	3.16
2017/02/16 12:12	6.29	691.73	3.16
2017/02/16 12:27	6.22	646.73	3.00
2017/02/16 12:42	6.22	646.73	3.00
2017/02/16 12:57	6.12	633.33	3.00
2017/02/16 13:12	6.11	631.39	3.00
2017/02/16 13:27	6.05	623.75	3.00
2017/02/16 13:42	6.05	628.19	3.02
2017/02/16 13:57	6.00	620.48	3.02
2017/02/16 14:12	5.98	618.61	3.02
2017/02/16 14:27	5.80	593.68	3.02
2017/02/16 14:42	5.77	597.36	3.06
2017/02/16 14:57	5.72	581.94	3.02
2017/02/16 15:12	5.72	581.94	3.02
2017/02/16 15:27	5.72	571.94	2.96
2017/02/16 15:42	5.55	550.41	2.97
2017/02/16 15:57	5.51	544.86	2.97
2017/02/16 16:12	5.51	544.86	2.97
2017/02/16 16:27	5.40	529.23	2.96
2017/02/16 16:42	5.32	510.69	2.92
2017/02/16 16:57	5.32	473.33	2.71
2017/02/16 17:12	5.32	473.33	2.71
2017/02/16 17:27	5.40	475.83	2.67
2017/02/16 17:42	5.44	480.83	2.67
2017/02/16 17:57	5.69	517.92	2.70
2017/02/16 18:12	5.75	525.90	2.71
2017/02/16 18:27	5.83	536.18	2.71
2017/02/16 18:42	5.83	535.00	2.70
2017/02/16 18:57	5.93	547.01	2.70
2017/02/16 19:12	6.14	572.78	2.70
2017/02/16 19:27	6.14	574.37	2.71
2017/02/16 19:42	6.23	587.85	2.72
2017/02/16 19:57	6.34	611.94	2.76
2017/02/16 20:12	6.34	606.87	2.74
2017/02/16 20:27	6.36	613.68	2.76
2017/02/16 20:42	6.39	617.22	2.76
2017/02/16 20:57	6.45	651.04	2.87
2017/02/16 21:12	6.39	665.35	2.98
2017/02/16 21:27	6.39	665.35	2.98
2017/02/16 21:42	6.39	665.35	2.98
2017/02/16 21:57	6.20	666.11	3.10
2017/02/16 22:12	6.18	636.73	2.98
2017/02/16 22:27	5.89	603.61	3.01
2017/02/16 22:42	5.75	584.58	3.01
2017/02/16 22:57	5.73	576.18	2.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 23:12	5.29	515.48	2.97
2017/02/16 23:27	5.26	497.08	2.89
2017/02/16 23:42	5.02	418.26	2.58
2017/02/16 23:57	4.84	397.50	2.58
2017/02/17 00:12	4.51	348.54	2.50
2017/02/17 00:27	4.47	334.58	2.43
2017/02/17 00:42	4.18	304.58	2.43
2017/02/17 00:57	4.16	300.49	2.41
2017/02/17 01:12	4.09	280.69	2.30
2017/02/17 01:27	4.04	266.60	2.23
2017/02/17 01:42	3.72	226.11	2.12
2017/02/17 01:57	3.65	220.14	2.12
2017/02/17 02:12	3.44	196.46	2.06
2017/02/17 02:27	3.33	187.50	2.06
2017/02/17 02:42	3.33	187.08	2.06
2017/02/17 02:57	3.33	184.03	2.02
2017/02/17 03:12	3.29	180.76	2.02
2017/02/17 03:27	3.29	182.43	2.04
2017/02/17 03:42	3.33	185.69	2.04
2017/02/17 03:57	3.34	186.80	2.04
2017/02/17 04:12	3.34	186.80	2.04
2017/02/17 04:27	3.36	187.92	2.04
2017/02/17 04:42	3.36	192.15	2.09
2017/02/17 04:57	3.36	187.92	2.04
2017/02/17 05:12	3.40	191.25	2.04
2017/02/17 05:27	3.40	187.08	2.00
2017/02/17 05:42	3.64	210.35	2.04
2017/02/17 05:57	3.64	210.35	2.04
2017/02/17 06:12	3.73	231.53	2.16
2017/02/17 06:27	3.87	243.75	2.16
2017/02/17 06:42	4.47	357.29	2.60
2017/02/17 06:57	4.47	361.04	2.62
2017/02/17 07:12	4.89	422.92	2.72
2017/02/17 07:27	5.39	512.43	2.88
2017/02/17 07:42	5.76	562.15	2.89
2017/02/17 07:57	6.43	706.80	3.14
2017/02/17 08:12	6.64	737.08	3.14
2017/02/17 08:27	6.97	785.76	3.14
2017/02/17 08:42	6.97	785.76	3.14
2017/02/17 08:57	6.97	785.76	3.14
2017/02/17 09:12	6.97	803.75	3.21
2017/02/17 09:27	6.87	735.90	2.99
2017/02/17 09:42	6.82	699.51	2.87
2017/02/17 09:57	6.82	691.73	2.84
2017/02/17 10:12	6.82	684.65	2.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 10:27	6.82	684.65	2.81



David Evans		~1645 Valley Dr																										
2017.01-02 Site 4 Valley Dr MH		Manhole No. 0604																										
Access: Manhole in southbound lane	System Type: Sanitary <input checked="" type="checkbox"/> Storm <input type="checkbox"/>	Install Date: 1/18/2017																										
Map 	Flow Meter																											
	Meter Depth: 98"																											
	Map Coordinates: 33.866947, -118.396124																											
	Moderate open channel hydraulics																											
Technology 	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Avg Velocity</th> <th>Avg Measured Level</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>3.25 fps</td> <td>3.75"</td> <td>1</td> </tr> </tbody> </table>		Avg Velocity	Avg Measured Level	Multiplier	3.25 fps	3.75"	1																				
Avg Velocity	Avg Measured Level	Multiplier																										
3.25 fps	3.75"	1																										
	Gas																											
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>O2</th> <th>H2S</th> <th>CO</th> <th>LEL</th> </tr> </thead> <tbody> <tr> <td>20.9</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		O2	H2S	CO	LEL	20.9	0	0	0																		
O2	H2S	CO	LEL																									
20.9	0	0	0																									
	Notes																											
	90 degree bend in MH																											
	Traffic Safety																											
	Used cones, signs & a flagger.																											
	Land Use																											
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Residential</th> <th>Commercial</th> <th>Industrial</th> <th>Trunk</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> </tbody> </table>		Residential	Commercial	Industrial	Trunk	X	X																				
Residential	Commercial	Industrial	Trunk																									
X	X																											
Sewer Plan 	<table border="1" style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td>Manhole Depth</td> <td>117"</td> </tr> <tr> <td>Monitored Pipe Size</td> <td>12"</td> </tr> <tr> <td>Inner Pipe Size (In/Out)</td> <td>12"/12"</td> </tr> <tr> <td>Pipe Shape</td> <td>Round</td> </tr> <tr> <td>Pipe Condition</td> <td>Good</td> </tr> <tr> <td>Manhole Material</td> <td>Concrete</td> </tr> <tr> <td>Silt</td> <td>0</td> </tr> <tr> <td>Velocity Profile Data</td> <td>*</td> </tr> <tr> <td>Velocity Profile Taken</td> <td>0.4 2-D</td> </tr> <tr> <td>Sensor Offset</td> <td>18.51"</td> </tr> <tr> <td>Sensor Dist. to Crown</td> <td>6.51"</td> </tr> <tr> <td>Sensor Direction</td> <td>Downstream</td> </tr> <tr> <td>Flow Heading</td> <td>West</td> </tr> </tbody> </table>		Manhole Depth	117"	Monitored Pipe Size	12"	Inner Pipe Size (In/Out)	12"/12"	Pipe Shape	Round	Pipe Condition	Good	Manhole Material	Concrete	Silt	0	Velocity Profile Data	*	Velocity Profile Taken	0.4 2-D	Sensor Offset	18.51"	Sensor Dist. to Crown	6.51"	Sensor Direction	Downstream	Flow Heading	West
Manhole Depth	117"																											
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Sensor Direction	Downstream																											
Flow Heading	West																											



Meter Site Document

David Evans

2017.01-02 Site 4 Valley Dr MH

~1645 Valley Dr

Site



Manhole Hydraulics



Installation Process



Installed



Traffic Control





Statistics for 2017.01-02 Site 4 Valley Dr MH: 01/19/2017 thru 02/16/2017

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Total Gal	Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min		
1/19/17	285.76	476.87	81.53	0.41	0.69	0.12	3.07	3.68	2.11	3.62	4.75	1.98	411,490	0.76
1/20/17	301.38	759.65	62.43	0.43	1.09	0.09	2.91	3.80	1.90	3.86	7.84	1.73	433,993	1.29
1/21/17	251.75	489.65	50.07	0.36	0.71	0.07	2.83	3.75	1.78	3.36	4.82	1.61	362,525	
1/22/17	317.48	888.19	70.49	0.46	1.28	0.10	2.76	3.92	1.30	4.45	12.93	1.87	457,165	3.72
Week:	289.09	888.19	50.07	0.42	1.28	0.07	2.89	3.92	1.30	3.82	12.93	1.61	1,665,174	5.77
1/23/17	217.62	338.82	37.71	0.31	0.49	0.05	2.64	3.54	1.02	3.21	3.83	1.94	313,367	0.13
1/24/17	236.65	407.01	50.76	0.34	0.59	0.07	2.75	3.81	1.12	3.33	4.16	2.23	340,780	
1/25/17	253.48	381.80	50.28	0.37	0.55	0.07	2.93	3.74	1.16	3.34	3.99	2.17	365,010	
1/26/17	239.06	396.39	60.07	0.34	0.57	0.09	2.85	4.00	1.25	3.30	3.96	2.33	344,241	
1/27/17	223.53	348.19	51.94	0.32	0.50	0.07	2.79	3.74	1.20	3.19	3.77	2.17	321,883	
1/28/17	231.40	388.54	41.18	0.33	0.56	0.06	2.76	3.96	1.07	3.23	3.88	2.00	333,218	
1/29/17	227.39	388.26	50.21	0.33	0.56	0.07	2.67	3.74	1.20	3.25	4.06	2.12	327,447	
Week:	232.73	407.01	37.71	0.34	0.59	0.05	2.77	4.00	1.02	3.26	4.16	1.94	2,345,946	0.13
1/30/17	235.40	367.43	40.69	0.34	0.53	0.06	2.81	3.76	1.09	3.24	3.88	1.96	338,979	
1/31/17	249.11	422.36	50.28	0.36	0.61	0.07	2.93	4.02	1.16	3.30	4.11	2.17	358,720	
2/1/17	263.19	395.69	52.22	0.38	0.57	0.08	3.10	3.94	1.23	3.30	3.94	2.14	378,999	
2/2/17	246.03	411.73	62.71	0.35	0.59	0.09	2.98	4.23	1.33	3.26	3.91	2.30	354,287	

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/3/17	232.25	360.14	54.10	0.33	0.52	0.08	2.94	3.94	1.27	3.15	3.72	2.14	334,434	0.39
2/4/17	240.36	403.89	42.78	0.35	0.58	0.06	2.91	4.19	1.12	3.19	3.83	1.98	346,122	
2/5/17	202.82	402.36	52.29	0.29	0.58	0.08	2.45	3.95	1.27	3.21	4.01	2.09	292,057	
Week:	238.45	422.36	40.69	0.34	0.61	0.06	2.87	4.23	1.09	3.24	4.11	1.96	2,403,599	0.39
2/6/17	158.86	247.36	27.50	0.23	0.36	0.04	1.93	2.58	0.74	3.21	3.83	1.94	228,752	1.43
2/7/17	181.06	327.43	37.08	0.26	0.47	0.05	2.11	3.12	0.82	3.31	4.08	2.23	260,723	0.64
2/8/17	216.63	409.17	55.62	0.31	0.59	0.08	2.69	3.46	1.97	3.21	4.43	1.61	311,953	0.07
2/9/17	227.11	396.73	57.85	0.33	0.57	0.08	2.76	3.42	2.05	3.25	4.37	1.61	327,040	
2/10/17	232.83	383.05	56.32	0.34	0.55	0.08	2.81	3.48	2.05	3.25	4.29	1.58	335,282	0.33
2/11/17	223.51	390.69	55.69	0.32	0.56	0.08	2.71	3.41	2.00	3.22	4.34	1.59	321,859	0.01
2/12/17	230.15	397.64	56.25	0.33	0.57	0.08	2.77	3.45	1.95	3.22	4.40	1.59	331,419	
Week:	210.02	409.17	27.50	0.30	0.59	0.04	2.54	3.48	0.74	3.24	4.43	1.58	2,117,029	2.48
2/13/17	224.71	369.79	54.51	0.32	0.53	0.08	2.76	3.42	2.04	3.22	4.19	1.55	323,585	
2/14/17	222.27	401.73	55.83	0.32	0.58	0.08	2.74	3.51	2.09	3.21	4.33	1.55	320,069	
2/15/17	225.24	411.94	57.85	0.32	0.59	0.08	2.76	3.53	2.12	3.22	4.39	1.55	324,339	
2/16/17	227.10	395.42	56.87	0.33	0.57	0.08	2.77	3.43	1.92	3.24	4.34	1.64	327,030	
Week:	224.83	411.94	54.51	0.32	0.59	0.08	2.76	3.53	1.92	3.22	4.39	1.55	1,295,023	
Totals:	235.32	888.19	27.50	0.34	1.28	0.04	2.75	4.23	0.74	3.32	12.93	1.55	9,826,770	8.77



Data for 2017.01-02 Site 4 Valley Dr MH: 1/18/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 12:55	3.82	319.17	3.31
2017/01/18 13:10	3.52	264.93	3.07
2017/01/18 13:25	3.51	260.83	3.04
2017/01/18 13:40	3.83	313.19	3.23
2017/01/18 13:55	3.69	286.25	3.11
2017/01/18 14:10	3.59	272.22	3.07
2017/01/18 14:25	3.59	275.83	3.11
2017/01/18 14:40	3.59	275.83	3.11
2017/01/18 14:55	3.52	266.80	3.09
2017/01/18 15:10	3.51	265.35	3.09
2017/01/18 15:25	3.48	266.04	3.13
2017/01/18 15:40	3.43	256.60	3.09
2017/01/18 15:55	3.43	256.60	3.09
2017/01/18 16:10	3.48	266.04	3.13
2017/01/18 16:25	3.50	262.92	3.08
2017/01/18 16:40	3.52	265.83	3.08
2017/01/18 16:55	3.52	268.89	3.11
2017/01/18 17:10	3.50	268.68	3.14
2017/01/18 17:25	3.52	268.89	3.11
2017/01/18 17:40	3.55	272.22	3.12
2017/01/18 17:55	3.47	262.99	3.11
2017/01/18 18:10	3.55	268.89	3.08
2017/01/18 18:25	3.55	264.79	3.03
2017/01/18 18:40	3.55	268.89	3.08
2017/01/18 18:55	3.69	283.61	3.08
2017/01/18 19:10	3.72	301.74	3.24
2017/01/18 19:25	3.89	320.69	3.24
2017/01/18 19:40	4.02	346.04	3.34
2017/01/18 19:55	4.12	357.50	3.34
2017/01/18 20:10	4.12	357.50	3.34
2017/01/18 20:25	4.12	357.50	3.34
2017/01/18 20:40	4.12	349.79	3.26
2017/01/18 20:55	4.02	331.60	3.20
2017/01/18 21:10	3.93	320.35	3.19
2017/01/18 21:25	3.73	298.40	3.19
2017/01/18 21:40	3.93	316.11	3.15
2017/01/18 21:55	3.73	294.58	3.15
2017/01/18 22:10	3.71	282.64	3.05
2017/01/18 22:25	3.59	270.97	3.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 22:40	3.40	250.83	3.05
2017/01/18 22:55	3.36	241.39	2.99
2017/01/18 23:10	3.00	203.82	2.96
2017/01/18 23:25	2.96	167.85	2.49
2017/01/18 23:40	2.90	161.32	2.46
2017/01/18 23:55	2.82	153.54	2.44
2017/01/19 00:10	2.72	145.90	2.43
2017/01/19 00:25	2.57	129.37	2.34
2017/01/19 00:40	2.40	111.11	2.21
2017/01/19 00:55	2.32	104.86	2.20
2017/01/19 01:10	2.29	103.06	2.20
2017/01/19 01:25	2.19	95.00	2.16
2017/01/19 01:40	2.07	87.29	2.16
2017/01/19 01:55	2.00	81.53	2.11
2017/01/19 02:10	1.98	82.29	2.16
2017/01/19 02:25	1.98	82.29	2.16
2017/01/19 02:40	1.98	86.11	2.26
2017/01/19 02:55	2.62	143.33	2.52
2017/01/19 03:10	3.12	190.97	2.62
2017/01/19 03:25	3.12	192.43	2.64
2017/01/19 03:40	3.12	195.69	2.68
2017/01/19 03:55	2.82	166.39	2.64
2017/01/19 04:10	2.82	169.24	2.68
2017/01/19 04:25	2.82	169.24	2.68
2017/01/19 04:40	3.07	200.55	2.82
2017/01/19 04:55	4.48	419.93	3.50
2017/01/19 05:10	4.75	476.87	3.68
2017/01/19 05:25	4.75	476.87	3.68
2017/01/19 05:40	4.75	476.87	3.68
2017/01/19 05:55	4.18	364.79	3.34
2017/01/19 06:10	3.29	244.93	3.12
2017/01/19 06:25	3.29	244.93	3.12
2017/01/19 06:40	3.29	244.93	3.12
2017/01/19 06:55	3.32	251.94	3.18
2017/01/19 07:10	3.46	266.94	3.18
2017/01/19 07:25	4.09	359.86	3.39
2017/01/19 07:40	4.50	413.05	3.42
2017/01/19 07:55	4.52	424.51	3.49
2017/01/19 08:10	4.52	424.51	3.49
2017/01/19 08:25	4.61	435.07	3.49
2017/01/19 08:40	4.61	418.89	3.36
2017/01/19 08:55	4.33	385.14	3.36
2017/01/19 09:10	4.32	383.47	3.36
2017/01/19 09:25	4.29	389.10	3.44
2017/01/19 09:40	4.18	375.42	3.44

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 09:55	4.18	375.42	3.44
2017/01/19 10:10	4.18	375.42	3.44
2017/01/19 10:25	4.18	355.62	3.26
2017/01/19 10:40	4.08	344.37	3.26
2017/01/19 10:55	4.08	347.43	3.29
2017/01/19 11:10	4.08	347.43	3.29
2017/01/19 11:25	4.05	344.17	3.29
2017/01/19 11:40	3.86	321.74	3.29
2017/01/19 11:55	3.75	303.40	3.23
2017/01/19 12:10	3.75	302.99	3.22
2017/01/19 12:25	3.66	293.68	3.22
2017/01/19 12:40	3.59	286.04	3.22
2017/01/19 12:55	3.59	285.35	3.22
2017/01/19 13:10	3.59	285.35	3.22
2017/01/19 13:25	3.58	270.76	3.07
2017/01/19 13:40	3.52	264.93	3.07
2017/01/19 13:55	3.44	256.25	3.07
2017/01/19 14:10	3.44	256.25	3.07
2017/01/19 14:25	3.40	240.76	2.93
2017/01/19 14:40	3.40	247.01	3.01
2017/01/19 14:55	3.44	251.25	3.01
2017/01/19 15:10	3.44	248.47	2.97
2017/01/19 15:25	3.37	244.24	3.01
2017/01/19 15:40	3.44	252.01	3.02
2017/01/19 15:55	3.47	261.60	3.10
2017/01/19 16:10	3.52	260.55	3.02
2017/01/19 16:25	3.52	260.55	3.02
2017/01/19 16:40	3.52	259.51	3.00
2017/01/19 16:55	3.47	253.82	3.00
2017/01/19 17:10	3.47	252.71	2.99
2017/01/19 17:25	3.47	253.82	3.00
2017/01/19 17:40	3.50	250.42	2.93
2017/01/19 17:55	3.64	284.86	3.16
2017/01/19 18:10	3.82	318.26	3.30
2017/01/19 18:25	3.82	324.72	3.37
2017/01/19 18:40	3.82	329.17	3.41
2017/01/19 18:55	3.96	345.76	3.41
2017/01/19 19:10	4.02	351.74	3.39
2017/01/19 19:25	4.02	351.74	3.39
2017/01/19 19:40	4.07	341.11	3.24
2017/01/19 19:55	4.14	341.25	3.17
2017/01/19 20:10	4.15	350.76	3.24
2017/01/19 20:25	4.15	347.08	3.21
2017/01/19 20:40	4.18	353.96	3.24
2017/01/19 20:55	4.15	351.87	3.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 21:10	4.18	355.14	3.25
2017/01/19 21:25	4.33	372.92	3.25
2017/01/19 21:40	4.33	372.92	3.25
2017/01/19 21:55	4.33	396.18	3.46
2017/01/19 22:10	4.33	398.40	3.48
2017/01/19 22:25	4.29	393.19	3.48
2017/01/19 22:40	4.27	373.47	3.32
2017/01/19 22:55	3.91	330.97	3.32
2017/01/19 23:10	3.72	296.46	3.19
2017/01/19 23:25	3.26	216.87	2.80
2017/01/19 23:40	3.01	189.10	2.73
2017/01/19 23:55	2.90	176.81	2.69
2017/01/20 00:10	2.55	140.35	2.56
2017/01/20 00:25	2.50	129.79	2.44
2017/01/20 00:40	2.44	125.14	2.43
2017/01/20 00:55	2.41	108.96	2.15
2017/01/20 01:10	2.15	91.18	2.13
2017/01/20 01:25	2.09	84.93	2.06
2017/01/20 01:40	1.87	69.72	1.99
2017/01/20 01:55	1.86	69.03	1.99
2017/01/20 02:10	1.86	69.37	2.00
2017/01/20 02:25	1.80	65.42	1.97
2017/01/20 02:40	1.76	63.89	1.99
2017/01/20 02:55	1.73	62.71	2.00
2017/01/20 03:10	1.73	62.64	1.99
2017/01/20 03:25	1.73	62.43	1.99
2017/01/20 03:40	1.73	62.64	1.99
2017/01/20 03:55	1.78	71.39	2.20
2017/01/20 04:10	2.37	113.33	2.30
2017/01/20 04:25	2.66	140.76	2.42
2017/01/20 04:40	3.32	234.17	2.95
2017/01/20 04:55	3.32	234.17	2.95
2017/01/20 05:10	3.32	234.17	2.95
2017/01/20 05:25	3.19	221.53	2.95
2017/01/20 05:40	2.76	160.28	2.62
2017/01/20 05:55	2.75	159.17	2.62
2017/01/20 06:10	2.75	159.17	2.62
2017/01/20 06:25	2.75	160.07	2.63
2017/01/20 06:40	3.40	262.99	3.20
2017/01/20 06:55	3.96	324.24	3.20
2017/01/20 07:10	4.89	456.73	3.39
2017/01/20 07:25	5.84	592.64	3.48
2017/01/20 07:40	5.84	647.78	3.80
2017/01/20 07:55	5.84	647.78	3.80
2017/01/20 08:10	5.54	604.37	3.80

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 08:25	5.21	517.22	3.53
2017/01/20 08:40	4.82	460.55	3.48
2017/01/20 08:55	4.58	430.55	3.48
2017/01/20 09:10	4.51	421.80	3.48
2017/01/20 09:25	4.47	422.01	3.53
2017/01/20 09:40	4.47	423.12	3.54
2017/01/20 09:55	4.58	443.19	3.58
2017/01/20 10:10	4.84	477.78	3.58
2017/01/20 10:25	4.86	479.58	3.58
2017/01/20 10:40	4.87	481.39	3.58
2017/01/20 10:55	4.87	466.04	3.47
2017/01/20 11:10	4.97	478.47	3.47
2017/01/20 11:25	5.55	531.11	3.33
2017/01/20 11:40	6.70	667.29	3.29
2017/01/20 11:55	7.75	502.71	2.09
2017/01/20 12:10	7.84	464.51	1.90
2017/01/20 12:25	7.84	464.51	1.90
2017/01/20 12:40	7.75	502.71	2.09
2017/01/20 12:55	7.44	759.65	3.31
2017/01/20 13:10	5.50	532.15	3.38
2017/01/20 13:25	4.71	433.33	3.38
2017/01/20 13:40	4.41	397.57	3.38
2017/01/20 13:55	4.29	376.46	3.33
2017/01/20 14:10	3.94	325.00	3.22
2017/01/20 14:25	3.94	325.00	3.22
2017/01/20 14:40	3.94	325.00	3.22
2017/01/20 14:55	3.94	318.82	3.16
2017/01/20 15:10	3.75	294.37	3.13
2017/01/20 15:25	3.75	294.37	3.13
2017/01/20 15:40	3.75	290.35	3.09
2017/01/20 15:55	3.75	290.35	3.09
2017/01/20 16:10	3.75	290.35	3.09
2017/01/20 16:25	3.75	290.35	3.09
2017/01/20 16:40	3.68	282.92	3.09
2017/01/20 16:55	3.82	301.46	3.13
2017/01/20 17:10	3.69	285.28	3.10
2017/01/20 17:25	3.61	276.39	3.10
2017/01/20 17:40	3.69	285.28	3.10
2017/01/20 17:55	3.77	294.79	3.10
2017/01/20 18:10	3.77	294.79	3.10
2017/01/20 18:25	3.93	313.82	3.13
2017/01/20 18:40	3.93	313.82	3.13
2017/01/20 18:55	3.93	315.14	3.14
2017/01/20 19:10	4.01	322.99	3.13
2017/01/20 19:25	4.00	321.46	3.13

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 19:40	4.00	319.58	3.11
2017/01/20 19:55	4.01	311.80	3.02
2017/01/20 20:10	4.01	310.07	3.00
2017/01/20 20:25	4.00	308.54	3.00
2017/01/20 20:40	3.87	289.86	2.95
2017/01/20 20:55	3.73	275.90	2.95
2017/01/20 21:10	3.71	272.78	2.95
2017/01/20 21:25	3.64	265.69	2.95
2017/01/20 21:40	3.54	256.18	2.95
2017/01/20 21:55	3.54	256.18	2.95
2017/01/20 22:10	3.46	243.19	2.89
2017/01/20 22:25	3.32	224.44	2.83
2017/01/20 22:40	3.27	214.58	2.75
2017/01/20 22:55	3.19	199.65	2.66
2017/01/20 23:10	3.18	198.40	2.66
2017/01/20 23:25	2.98	179.24	2.62
2017/01/20 23:40	2.93	173.12	2.60
2017/01/20 23:55	2.82	155.00	2.46
2017/01/21 00:10	2.78	148.12	2.40
2017/01/21 00:25	2.75	142.99	2.35
2017/01/21 00:40	2.61	131.11	2.32
2017/01/21 00:55	2.50	118.19	2.22
2017/01/21 01:10	2.22	99.86	2.22
2017/01/21 01:25	2.21	98.96	2.22
2017/01/21 01:40	2.15	95.35	2.22
2017/01/21 01:55	2.12	93.61	2.22
2017/01/21 02:10	2.03	85.42	2.17
2017/01/21 02:25	1.91	70.76	1.95
2017/01/21 02:40	1.87	69.72	1.99
2017/01/21 02:55	1.86	68.96	1.99
2017/01/21 03:10	1.79	64.17	1.95
2017/01/21 03:25	1.78	63.40	1.95
2017/01/21 03:40	1.73	58.96	1.88
2017/01/21 03:55	1.61	52.85	1.88
2017/01/21 04:10	1.61	50.07	1.78
2017/01/21 04:25	1.61	50.07	1.78
2017/01/21 04:40	1.61	52.92	1.88
2017/01/21 04:55	1.62	56.60	1.99
2017/01/21 05:10	1.68	59.44	1.99
2017/01/21 05:25	1.72	64.03	2.06
2017/01/21 05:40	1.80	68.89	2.07
2017/01/21 05:55	1.98	79.37	2.08
2017/01/21 06:10	2.04	83.96	2.11
2017/01/21 06:25	2.07	85.62	2.11
2017/01/21 06:40	2.11	88.75	2.13

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 06:55	2.36	105.07	2.15
2017/01/21 07:10	2.54	142.50	2.62
2017/01/21 07:25	2.86	172.50	2.68
2017/01/21 07:40	2.87	180.49	2.78
2017/01/21 07:55	3.14	207.99	2.84
2017/01/21 08:10	3.54	249.79	2.88
2017/01/21 08:25	3.71	278.12	3.00
2017/01/21 08:40	4.05	330.28	3.15
2017/01/21 08:55	4.12	338.05	3.15
2017/01/21 09:10	4.30	384.23	3.38
2017/01/21 09:25	4.33	387.57	3.38
2017/01/21 09:40	4.36	390.97	3.38
2017/01/21 09:55	4.68	442.15	3.48
2017/01/21 10:10	4.73	455.07	3.52
2017/01/21 10:25	4.73	468.89	3.63
2017/01/21 10:40	4.73	468.89	3.63
2017/01/21 10:55	4.82	489.65	3.70
2017/01/21 11:10	4.68	476.87	3.75
2017/01/21 11:25	4.64	465.21	3.70
2017/01/21 11:40	4.61	445.90	3.58
2017/01/21 11:55	4.61	422.08	3.39
2017/01/21 12:10	4.47	405.07	3.39
2017/01/21 12:25	4.44	394.58	3.33
2017/01/21 12:40	4.44	401.67	3.39
2017/01/21 12:55	4.47	413.47	3.46
2017/01/21 13:10	4.47	413.47	3.46
2017/01/21 13:25	4.47	391.87	3.28
2017/01/21 13:40	4.47	409.10	3.42
2017/01/21 13:55	4.39	385.62	3.31
2017/01/21 14:10	4.39	377.43	3.24
2017/01/21 14:25	4.34	372.57	3.24
2017/01/21 14:40	4.30	375.00	3.30
2017/01/21 14:55	4.25	362.64	3.25
2017/01/21 15:10	4.12	342.64	3.20
2017/01/21 15:25	3.93	325.55	3.25
2017/01/21 15:40	3.87	319.24	3.25
2017/01/21 15:55	3.87	314.44	3.20
2017/01/21 16:10	3.87	314.03	3.19
2017/01/21 16:25	3.91	315.62	3.16
2017/01/21 16:40	4.05	331.11	3.16
2017/01/21 16:55	4.11	340.55	3.19
2017/01/21 17:10	4.08	348.54	3.30
2017/01/21 17:25	4.05	345.28	3.30
2017/01/21 17:40	4.08	348.54	3.30
2017/01/21 17:55	4.08	348.19	3.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 18:10	4.02	319.10	3.08
2017/01/21 18:25	4.02	319.10	3.08
2017/01/21 18:40	4.02	330.07	3.18
2017/01/21 18:55	3.96	330.42	3.26
2017/01/21 19:10	3.94	320.69	3.18
2017/01/21 19:25	3.84	309.86	3.18
2017/01/21 19:40	3.84	306.87	3.15
2017/01/21 19:55	3.77	288.96	3.04
2017/01/21 20:10	3.80	291.94	3.04
2017/01/21 20:25	3.76	287.50	3.04
2017/01/21 20:40	3.76	278.12	2.94
2017/01/21 20:55	3.48	250.07	2.94
2017/01/21 21:10	3.46	247.29	2.94
2017/01/21 21:25	3.43	239.24	2.88
2017/01/21 21:40	3.23	219.86	2.87
2017/01/21 21:55	3.22	218.54	2.87
2017/01/21 22:10	3.19	202.64	2.69
2017/01/21 22:25	3.15	188.75	2.56
2017/01/21 22:40	3.11	185.28	2.56
2017/01/21 22:55	3.02	177.50	2.55
2017/01/21 23:10	2.91	165.62	2.50
2017/01/21 23:25	2.89	166.87	2.56
2017/01/21 23:40	2.87	170.76	2.64
2017/01/21 23:55	2.86	152.64	2.37
2017/01/22 00:10	2.75	142.99	2.35
2017/01/22 00:25	2.73	139.03	2.30
2017/01/22 00:40	2.50	117.71	2.22
2017/01/22 00:55	2.50	117.71	2.22
2017/01/22 01:10	2.44	112.08	2.18
2017/01/22 01:25	2.28	99.93	2.15
2017/01/22 01:40	2.19	94.72	2.15
2017/01/22 01:55	2.14	91.32	2.15
2017/01/22 02:10	2.14	89.51	2.11
2017/01/22 02:25	2.14	89.51	2.11
2017/01/22 02:40	2.11	87.85	2.11
2017/01/22 02:55	2.05	81.94	2.04
2017/01/22 03:10	2.01	78.19	2.01
2017/01/22 03:25	1.97	75.83	2.01
2017/01/22 03:40	1.90	72.01	2.01
2017/01/22 03:55	1.87	70.49	2.01
2017/01/22 04:10	1.87	70.49	2.01
2017/01/22 04:25	1.87	71.39	2.03
2017/01/22 04:40	2.05	87.29	2.18
2017/01/22 04:55	2.05	87.29	2.18
2017/01/22 05:10	2.05	85.42	2.13

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 05:25	2.09	83.89	2.03
2017/01/22 05:40	2.09	87.92	2.13
2017/01/22 05:55	2.09	87.92	2.13
2017/01/22 06:10	2.55	132.92	2.42
2017/01/22 06:25	2.55	132.92	2.42
2017/01/22 06:40	2.58	135.00	2.42
2017/01/22 06:55	2.58	134.93	2.42
2017/01/22 07:10	2.58	134.93	2.42
2017/01/22 07:25	2.58	134.93	2.42
2017/01/22 07:40	2.62	141.46	2.48
2017/01/22 07:55	3.02	182.01	2.61
2017/01/22 08:10	3.68	280.14	3.06
2017/01/22 08:25	3.73	301.46	3.22
2017/01/22 08:40	3.82	310.76	3.22
2017/01/22 08:55	3.82	310.76	3.22
2017/01/22 09:10	3.82	316.80	3.29
2017/01/22 09:25	4.57	428.82	3.48
2017/01/22 09:40	4.87	467.71	3.48
2017/01/22 09:55	4.87	488.61	3.64
2017/01/22 10:10	4.97	480.14	3.48
2017/01/22 10:25	4.93	474.79	3.48
2017/01/22 10:40	4.93	498.96	3.66
2017/01/22 10:55	4.97	540.97	3.92
2017/01/22 11:10	5.44	609.58	3.92
2017/01/22 11:25	5.75	654.30	3.92
2017/01/22 11:40	5.93	664.65	3.83
2017/01/22 11:55	5.97	670.62	3.83
2017/01/22 12:10	6.04	680.55	3.83
2017/01/22 12:25	6.34	724.30	3.83
2017/01/22 12:40	7.32	811.87	3.61
2017/01/22 12:55	7.45	673.54	2.93
2017/01/22 13:10	7.80	619.72	2.55
2017/01/22 13:25	8.14	649.79	2.55
2017/01/22 13:40	8.26	453.26	1.75
2017/01/22 13:55	8.36	767.08	2.93
2017/01/22 14:10	8.91	835.83	2.98
2017/01/22 14:25	9.47	888.19	2.98
2017/01/22 14:40	11.31	603.47	1.75
2017/01/22 14:55	12.93	458.05	1.30
2017/01/22 15:10	12.93	458.05	1.30
2017/01/22 15:25	12.93	458.05	1.30
2017/01/22 15:40	12.93	477.36	1.36
2017/01/22 15:55	12.93	488.12	1.39
2017/01/22 16:10	8.80	531.94	1.92
2017/01/22 16:25	6.68	498.05	2.47

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 16:40	4.97	426.18	3.09
2017/01/22 16:55	3.46	259.30	3.08
2017/01/22 17:10	3.44	245.83	2.94
2017/01/22 17:25	3.40	241.87	2.94
2017/01/22 17:40	3.40	262.71	3.20
2017/01/22 17:55	3.40	266.94	3.25
2017/01/22 18:10	3.43	272.43	3.28
2017/01/22 18:25	3.48	279.65	3.30
2017/01/22 18:40	3.48	277.99	3.28
2017/01/22 18:55	3.48	277.99	3.28
2017/01/22 19:10	3.48	277.99	3.28
2017/01/22 19:25	3.55	287.50	3.30
2017/01/22 19:40	3.57	286.32	3.26
2017/01/22 19:55	3.62	291.87	3.26
2017/01/22 20:10	3.66	298.12	3.28
2017/01/22 20:25	3.68	278.33	3.04
2017/01/22 20:40	3.71	281.46	3.04
2017/01/22 20:55	3.76	299.65	3.17
2017/01/22 21:10	3.76	309.44	3.28
2017/01/22 21:25	3.76	327.29	3.46
2017/01/22 21:40	3.76	327.29	3.46
2017/01/22 21:55	3.76	327.29	3.46
2017/01/22 22:10	3.77	331.53	3.50
2017/01/22 22:25	3.77	328.47	3.46
2017/01/22 22:40	3.77	292.71	3.09
2017/01/22 22:55	3.72	281.32	3.02
2017/01/22 23:10	3.44	251.80	3.02
2017/01/22 23:25	3.41	238.05	2.89
2017/01/22 23:40	3.36	233.19	2.89
2017/01/22 23:55	3.26	189.30	2.44
2017/01/23 00:10	2.93	108.75	1.63
2017/01/23 00:25	2.82	98.12	1.55
2017/01/23 00:40	2.69	89.03	1.51
2017/01/23 00:55	2.43	70.76	1.38
2017/01/23 01:10	2.37	62.50	1.27
2017/01/23 01:25	2.34	59.79	1.24
2017/01/23 01:40	2.25	56.53	1.24
2017/01/23 01:55	2.15	54.31	1.27
2017/01/23 02:10	2.15	54.31	1.27
2017/01/23 02:25	2.11	43.40	1.04
2017/01/23 02:40	2.03	48.19	1.22
2017/01/23 02:55	1.94	37.71	1.02
2017/01/23 03:10	1.94	37.71	1.02
2017/01/23 03:25	1.94	37.71	1.02
2017/01/23 03:40	2.08	47.85	1.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 03:55	2.11	48.82	1.17
2017/01/23 04:10	2.15	50.97	1.19
2017/01/23 04:25	2.15	50.97	1.19
2017/01/23 04:40	2.18	57.43	1.31
2017/01/23 04:55	2.18	57.43	1.31
2017/01/23 05:10	2.25	60.07	1.31
2017/01/23 05:25	2.34	61.67	1.27
2017/01/23 05:40	2.36	62.43	1.27
2017/01/23 05:55	2.43	65.07	1.27
2017/01/23 06:10	2.65	87.92	1.52
2017/01/23 06:25	2.80	95.07	1.52
2017/01/23 06:40	2.84	100.76	1.58
2017/01/23 06:55	3.08	113.40	1.59
2017/01/23 07:10	3.21	137.43	1.81
2017/01/23 07:25	3.47	181.80	2.15
2017/01/23 07:40	3.64	296.46	3.28
2017/01/23 07:55	3.64	296.46	3.28
2017/01/23 08:10	3.64	296.46	3.28
2017/01/23 08:25	3.58	279.93	3.17
2017/01/23 08:40	3.50	264.10	3.09
2017/01/23 08:55	3.50	253.54	2.96
2017/01/23 09:10	3.43	246.46	2.96
2017/01/23 09:25	3.50	264.10	3.09
2017/01/23 09:40	3.43	249.17	3.00
2017/01/23 09:55	3.41	254.65	3.09
2017/01/23 10:10	3.43	256.74	3.09
2017/01/23 10:25	3.47	262.01	3.10
2017/01/23 10:40	3.47	262.01	3.10
2017/01/23 10:55	3.51	266.25	3.10
2017/01/23 11:10	3.57	253.75	2.89
2017/01/23 11:25	3.51	247.85	2.89
2017/01/23 11:40	3.54	250.76	2.89
2017/01/23 11:55	3.51	242.78	2.83
2017/01/23 12:10	3.51	237.22	2.76
2017/01/23 12:25	3.50	236.25	2.76
2017/01/23 12:40	3.47	245.00	2.90
2017/01/23 12:55	3.47	245.00	2.90
2017/01/23 13:10	3.50	280.76	3.28
2017/01/23 13:25	3.51	282.99	3.30
2017/01/23 13:40	3.52	282.99	3.28
2017/01/23 13:55	3.52	284.10	3.30
2017/01/23 14:10	3.52	282.99	3.28
2017/01/23 14:25	3.52	280.76	3.26
2017/01/23 14:40	3.52	280.76	3.26
2017/01/23 14:55	3.54	282.99	3.26

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 15:10	3.54	282.99	3.26
2017/01/23 15:25	3.61	292.50	3.28
2017/01/23 15:40	3.61	300.07	3.36
2017/01/23 15:55	3.48	282.36	3.33
2017/01/23 16:10	3.48	285.14	3.36
2017/01/23 16:25	3.59	313.26	3.54
2017/01/23 16:40	3.59	313.26	3.54
2017/01/23 16:55	3.62	316.94	3.54
2017/01/23 17:10	3.62	316.94	3.54
2017/01/23 17:25	3.62	302.92	3.38
2017/01/23 17:40	3.52	291.39	3.38
2017/01/23 17:55	3.52	287.50	3.33
2017/01/23 18:10	3.52	287.50	3.33
2017/01/23 18:25	3.64	301.18	3.33
2017/01/23 18:40	3.68	310.55	3.39
2017/01/23 18:55	3.68	317.08	3.46
2017/01/23 19:10	3.68	321.87	3.51
2017/01/23 19:25	3.65	318.19	3.51
2017/01/23 19:40	3.62	309.93	3.46
2017/01/23 19:55	3.48	256.46	3.02
2017/01/23 20:10	3.48	256.46	3.02
2017/01/23 20:25	3.48	256.46	3.02
2017/01/23 20:40	3.51	289.65	3.37
2017/01/23 20:55	3.55	300.49	3.44
2017/01/23 21:10	3.61	307.57	3.44
2017/01/23 21:25	3.64	311.11	3.44
2017/01/23 21:40	3.68	306.94	3.35
2017/01/23 21:55	3.68	306.94	3.35
2017/01/23 22:10	3.71	310.42	3.35
2017/01/23 22:25	3.82	332.64	3.44
2017/01/23 22:40	3.83	333.82	3.44
2017/01/23 22:55	3.83	338.82	3.50
2017/01/23 23:10	3.82	337.64	3.50
2017/01/23 23:25	3.79	327.15	3.43
2017/01/23 23:40	3.44	270.83	3.24
2017/01/23 23:55	3.37	192.99	2.38
2017/01/24 00:10	3.22	133.61	1.75
2017/01/24 00:25	2.98	114.51	1.68
2017/01/24 00:40	2.91	109.86	1.66
2017/01/24 00:55	2.73	88.19	1.46
2017/01/24 01:10	2.72	85.42	1.42
2017/01/24 01:25	2.72	81.11	1.35
2017/01/24 01:40	2.64	76.25	1.33
2017/01/24 01:55	2.46	68.96	1.33
2017/01/24 02:10	2.37	65.07	1.32

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 02:25	2.36	57.64	1.18
2017/01/24 02:40	2.34	56.94	1.18
2017/01/24 02:55	2.28	54.24	1.16
2017/01/24 03:10	2.28	52.43	1.12
2017/01/24 03:25	2.28	52.43	1.12
2017/01/24 03:40	2.23	50.76	1.12
2017/01/24 03:55	2.23	50.76	1.12
2017/01/24 04:10	2.23	51.94	1.15
2017/01/24 04:25	2.29	58.89	1.25
2017/01/24 04:40	2.30	59.24	1.25
2017/01/24 04:55	2.39	63.26	1.27
2017/01/24 05:10	2.41	65.62	1.30
2017/01/24 05:25	2.54	72.50	1.33
2017/01/24 05:40	2.61	80.14	1.42
2017/01/24 05:55	2.68	84.03	1.43
2017/01/24 06:10	2.69	85.21	1.44
2017/01/24 06:25	2.89	97.29	1.49
2017/01/24 06:40	2.94	104.51	1.56
2017/01/24 06:55	3.26	140.97	1.82
2017/01/24 07:10	3.40	177.78	2.16
2017/01/24 07:25	3.57	299.44	3.41
2017/01/24 07:40	3.82	335.14	3.47
2017/01/24 07:55	3.83	336.32	3.47
2017/01/24 08:10	3.83	336.32	3.47
2017/01/24 08:25	3.83	310.49	3.20
2017/01/24 08:40	3.83	300.42	3.10
2017/01/24 08:55	3.75	283.26	3.01
2017/01/24 09:10	3.58	263.89	2.99
2017/01/24 09:25	3.57	262.85	2.99
2017/01/24 09:40	3.47	249.37	2.95
2017/01/24 09:55	3.55	248.33	2.85
2017/01/24 10:10	3.55	248.33	2.85
2017/01/24 10:25	3.54	256.39	2.95
2017/01/24 10:40	3.55	264.24	3.03
2017/01/24 10:55	3.55	280.14	3.21
2017/01/24 11:10	3.54	279.03	3.21
2017/01/24 11:25	3.51	282.43	3.29
2017/01/24 11:40	3.50	268.54	3.14
2017/01/24 11:55	3.50	239.58	2.80
2017/01/24 12:10	3.45	263.19	3.14
2017/01/24 12:25	3.45	274.65	3.28
2017/01/24 12:40	3.43	272.43	3.28
2017/01/24 12:55	3.45	274.65	3.28
2017/01/24 13:10	3.54	284.65	3.28
2017/01/24 13:25	3.55	283.54	3.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 13:40	3.54	279.03	3.21
2017/01/24 13:55	3.54	279.03	3.21
2017/01/24 14:10	3.55	280.14	3.21
2017/01/24 14:25	3.58	286.87	3.25
2017/01/24 14:40	3.61	298.33	3.34
2017/01/24 14:55	3.61	298.33	3.34
2017/01/24 15:10	3.63	300.62	3.34
2017/01/24 15:25	3.63	301.80	3.35
2017/01/24 15:40	3.63	301.80	3.35
2017/01/24 15:55	3.50	296.32	3.46
2017/01/24 16:10	3.47	292.78	3.46
2017/01/24 16:25	3.47	275.76	3.26
2017/01/24 16:40	3.47	266.94	3.16
2017/01/24 16:55	3.50	279.10	3.26
2017/01/24 17:10	3.50	279.10	3.26
2017/01/24 17:25	3.50	294.10	3.44
2017/01/24 17:40	3.50	294.65	3.44
2017/01/24 17:55	3.45	306.80	3.66
2017/01/24 18:10	3.45	306.80	3.66
2017/01/24 18:25	3.54	317.99	3.66
2017/01/24 18:40	3.56	321.04	3.67
2017/01/24 18:55	3.62	328.61	3.67
2017/01/24 19:10	3.65	332.36	3.67
2017/01/24 19:25	3.66	333.61	3.67
2017/01/24 19:40	3.73	325.49	3.48
2017/01/24 19:55	3.74	312.08	3.33
2017/01/24 20:10	3.81	320.14	3.33
2017/01/24 20:25	3.96	337.64	3.33
2017/01/24 20:40	4.16	401.39	3.70
2017/01/24 20:55	4.16	407.01	3.75
2017/01/24 21:10	4.01	387.08	3.75
2017/01/24 21:25	4.01	381.73	3.70
2017/01/24 21:40	4.13	404.44	3.76
2017/01/24 21:55	4.01	337.43	3.27
2017/01/24 22:10	4.01	337.43	3.27
2017/01/24 22:25	3.98	389.10	3.81
2017/01/24 22:40	3.87	374.37	3.81
2017/01/24 22:55	3.78	348.82	3.67
2017/01/24 23:10	3.70	338.68	3.67
2017/01/24 23:25	3.54	300.49	3.46
2017/01/24 23:40	3.50	266.32	3.11
2017/01/24 23:55	3.44	259.93	3.11
2017/01/25 00:10	3.36	251.04	3.11
2017/01/25 00:25	3.29	243.75	3.11
2017/01/25 00:40	3.08	121.32	1.70

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 00:55	2.79	96.60	1.55
2017/01/25 01:10	2.72	90.49	1.51
2017/01/25 01:25	2.64	85.62	1.49
2017/01/25 01:40	2.46	71.32	1.37
2017/01/25 01:55	2.42	64.37	1.27
2017/01/25 02:10	2.19	55.49	1.26
2017/01/25 02:25	2.17	53.61	1.24
2017/01/25 02:40	2.17	50.28	1.16
2017/01/25 02:55	2.17	53.33	1.23
2017/01/25 03:10	2.19	54.10	1.23
2017/01/25 03:25	2.19	54.10	1.23
2017/01/25 03:40	2.19	54.10	1.23
2017/01/25 03:55	2.26	56.87	1.24
2017/01/25 04:10	2.31	58.68	1.24
2017/01/25 04:25	2.33	59.44	1.24
2017/01/25 04:40	2.39	65.21	1.31
2017/01/25 04:55	2.40	66.25	1.32
2017/01/25 05:10	2.47	72.78	1.39
2017/01/25 05:25	2.61	81.25	1.44
2017/01/25 05:40	2.65	89.03	1.54
2017/01/25 05:55	2.67	92.29	1.58
2017/01/25 06:10	2.81	99.24	1.58
2017/01/25 06:25	2.90	105.49	1.61
2017/01/25 06:40	2.93	115.69	1.74
2017/01/25 06:55	3.19	137.22	1.83
2017/01/25 07:10	3.71	307.43	3.32
2017/01/25 07:25	3.84	322.36	3.32
2017/01/25 07:40	3.88	353.26	3.58
2017/01/25 07:55	3.88	359.10	3.64
2017/01/25 08:10	3.88	359.10	3.64
2017/01/25 08:25	3.88	354.58	3.59
2017/01/25 08:40	3.62	322.15	3.59
2017/01/25 08:55	3.62	322.15	3.59
2017/01/25 09:10	3.61	312.85	3.50
2017/01/25 09:25	3.58	305.76	3.46
2017/01/25 09:40	3.54	301.04	3.46
2017/01/25 09:55	3.52	295.35	3.43
2017/01/25 10:10	3.52	263.40	3.06
2017/01/25 10:25	3.52	263.40	3.06
2017/01/25 10:40	3.52	263.40	3.06
2017/01/25 10:55	3.55	301.67	3.46
2017/01/25 11:10	3.55	301.67	3.46
2017/01/25 11:25	3.55	301.67	3.46
2017/01/25 11:40	3.50	285.21	3.33
2017/01/25 11:55	3.48	281.80	3.32

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 12:10	3.44	274.10	3.28
2017/01/25 12:25	3.44	274.10	3.28
2017/01/25 12:40	3.43	265.90	3.20
2017/01/25 12:55	3.43	265.90	3.20
2017/01/25 13:10	3.43	276.74	3.33
2017/01/25 13:25	3.45	287.15	3.43
2017/01/25 13:40	3.50	297.99	3.48
2017/01/25 13:55	3.52	300.35	3.48
2017/01/25 14:10	3.56	305.14	3.48
2017/01/25 14:25	3.62	335.00	3.74
2017/01/25 14:40	3.62	335.00	3.74
2017/01/25 14:55	3.62	335.00	3.74
2017/01/25 15:10	3.61	333.68	3.74
2017/01/25 15:25	3.61	328.47	3.68
2017/01/25 15:40	3.51	306.46	3.57
2017/01/25 15:55	3.47	290.07	3.43
2017/01/25 16:10	3.45	287.71	3.43
2017/01/25 16:25	3.47	290.07	3.43
2017/01/25 16:40	3.51	294.72	3.43
2017/01/25 16:55	3.51	294.72	3.43
2017/01/25 17:10	3.52	299.24	3.47
2017/01/25 17:25	3.52	299.24	3.47
2017/01/25 17:40	3.52	303.75	3.52
2017/01/25 17:55	3.55	294.86	3.38
2017/01/25 18:10	3.59	312.15	3.52
2017/01/25 18:25	3.61	330.83	3.70
2017/01/25 18:40	3.74	347.43	3.70
2017/01/25 18:55	3.76	348.75	3.69
2017/01/25 19:10	3.87	362.92	3.69
2017/01/25 19:25	3.91	360.28	3.61
2017/01/25 19:40	3.91	360.28	3.61
2017/01/25 19:55	3.87	355.21	3.61
2017/01/25 20:10	3.87	367.36	3.74
2017/01/25 20:25	3.89	370.00	3.74
2017/01/25 20:40	3.89	370.00	3.74
2017/01/25 20:55	3.95	377.85	3.74
2017/01/25 21:10	3.95	376.53	3.72
2017/01/25 21:25	3.99	381.80	3.72
2017/01/25 21:40	3.99	365.14	3.56
2017/01/25 21:55	3.99	379.79	3.70
2017/01/25 22:10	3.95	374.58	3.70
2017/01/25 22:25	3.95	374.58	3.70
2017/01/25 22:40	3.95	374.58	3.70
2017/01/25 22:55	3.94	374.58	3.72
2017/01/25 23:10	3.92	371.94	3.72

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 23:25	3.66	311.74	3.43
2017/01/25 23:40	3.44	274.10	3.28
2017/01/25 23:55	3.36	260.00	3.22
2017/01/26 00:10	3.11	129.58	1.79
2017/01/26 00:25	2.98	122.01	1.79
2017/01/26 00:40	2.94	115.83	1.73
2017/01/26 00:55	2.90	113.61	1.73
2017/01/26 01:10	2.78	103.40	1.67
2017/01/26 01:25	2.60	84.51	1.50
2017/01/26 01:40	2.47	74.10	1.42
2017/01/26 01:55	2.46	66.25	1.27
2017/01/26 02:10	2.46	66.25	1.27
2017/01/26 02:25	2.46	73.68	1.42
2017/01/26 02:40	2.46	72.29	1.39
2017/01/26 02:55	2.46	72.29	1.39
2017/01/26 03:10	2.43	71.04	1.39
2017/01/26 03:25	2.39	64.51	1.29
2017/01/26 03:40	2.35	62.01	1.27
2017/01/26 03:55	2.33	60.97	1.27
2017/01/26 04:10	2.33	61.32	1.27
2017/01/26 04:25	2.33	61.32	1.27
2017/01/26 04:40	2.33	60.07	1.25
2017/01/26 04:55	2.36	63.06	1.29
2017/01/26 05:10	2.44	72.50	1.41
2017/01/26 05:25	2.53	80.90	1.50
2017/01/26 05:40	2.57	84.17	1.52
2017/01/26 05:55	2.58	88.61	1.59
2017/01/26 06:10	2.87	103.12	1.59
2017/01/26 06:25	3.00	121.87	1.77
2017/01/26 06:40	3.15	132.92	1.80
2017/01/26 06:55	3.33	165.42	2.07
2017/01/26 07:10	3.58	328.75	3.72
2017/01/26 07:25	3.81	377.71	3.93
2017/01/26 07:40	3.85	387.57	3.97
2017/01/26 07:55	3.89	393.12	3.97
2017/01/26 08:10	3.89	388.68	3.93
2017/01/26 08:25	3.89	354.51	3.58
2017/01/26 08:40	3.56	313.68	3.58
2017/01/26 08:55	3.52	281.87	3.27
2017/01/26 09:10	3.52	281.87	3.27
2017/01/26 09:25	3.51	253.40	2.95
2017/01/26 09:40	3.50	251.32	2.94
2017/01/26 09:55	3.48	249.30	2.94
2017/01/26 10:10	3.47	248.26	2.94
2017/01/26 10:25	3.45	241.39	2.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 10:40	3.45	269.17	3.21
2017/01/26 10:55	3.40	276.04	3.36
2017/01/26 11:10	3.45	269.72	3.22
2017/01/26 11:25	3.45	269.72	3.22
2017/01/26 11:40	3.48	272.99	3.22
2017/01/26 11:55	3.51	276.32	3.22
2017/01/26 12:10	3.55	280.69	3.22
2017/01/26 12:25	3.56	305.69	3.49
2017/01/26 12:40	3.56	307.99	3.52
2017/01/26 12:55	3.52	303.12	3.52
2017/01/26 13:10	3.52	300.90	3.49
2017/01/26 13:25	3.48	296.18	3.49
2017/01/26 13:40	3.44	292.50	3.50
2017/01/26 13:55	3.44	280.07	3.35
2017/01/26 14:10	3.44	283.26	3.39
2017/01/26 14:25	3.47	292.22	3.46
2017/01/26 14:40	3.47	286.74	3.39
2017/01/26 14:55	3.47	277.43	3.28
2017/01/26 15:10	3.44	283.26	3.39
2017/01/26 15:25	3.41	270.76	3.28
2017/01/26 15:40	3.27	222.99	2.87
2017/01/26 15:55	3.27	222.99	2.87
2017/01/26 16:10	3.22	213.75	2.81
2017/01/26 16:25	3.22	210.76	2.77
2017/01/26 16:40	3.22	210.76	2.77
2017/01/26 16:55	3.27	215.42	2.77
2017/01/26 17:10	3.40	253.05	3.08
2017/01/26 17:25	3.40	253.05	3.08
2017/01/26 17:40	3.40	273.40	3.33
2017/01/26 17:55	3.40	253.05	3.08
2017/01/26 18:10	3.48	282.36	3.33
2017/01/26 18:25	3.51	285.76	3.33
2017/01/26 18:40	3.59	315.62	3.56
2017/01/26 18:55	3.59	315.62	3.56
2017/01/26 19:10	3.59	315.62	3.56
2017/01/26 19:25	3.61	318.05	3.56
2017/01/26 19:40	3.61	302.92	3.39
2017/01/26 19:55	3.81	326.39	3.39
2017/01/26 20:10	3.81	367.71	3.82
2017/01/26 20:25	3.89	396.39	4.00
2017/01/26 20:40	3.89	378.33	3.82
2017/01/26 20:55	3.96	387.78	3.82
2017/01/26 21:10	3.91	381.04	3.82
2017/01/26 21:25	3.89	366.11	3.70
2017/01/26 21:40	3.87	360.97	3.67

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 21:55	3.88	362.29	3.67
2017/01/26 22:10	3.87	361.60	3.68
2017/01/26 22:25	3.81	353.89	3.68
2017/01/26 22:40	3.81	358.96	3.73
2017/01/26 22:55	3.74	354.72	3.78
2017/01/26 23:10	3.73	348.54	3.73
2017/01/26 23:25	3.73	348.54	3.73
2017/01/26 23:40	3.50	295.76	3.46
2017/01/26 23:55	3.40	241.32	2.94
2017/01/27 00:10	3.36	213.19	2.64
2017/01/27 00:25	2.85	109.17	1.70
2017/01/27 00:40	2.78	102.15	1.65
2017/01/27 00:55	2.76	90.76	1.48
2017/01/27 01:10	2.68	85.90	1.46
2017/01/27 01:25	2.61	80.90	1.43
2017/01/27 01:40	2.40	71.81	1.43
2017/01/27 01:55	2.40	71.81	1.43
2017/01/27 02:10	2.25	65.14	1.42
2017/01/27 02:25	2.21	57.99	1.30
2017/01/27 02:40	2.18	54.58	1.25
2017/01/27 02:55	2.17	53.06	1.22
2017/01/27 03:10	2.17	53.06	1.22
2017/01/27 03:25	2.17	51.94	1.20
2017/01/27 03:40	2.17	53.06	1.22
2017/01/27 03:55	2.36	65.28	1.33
2017/01/27 04:10	2.36	65.28	1.33
2017/01/27 04:25	2.42	67.71	1.33
2017/01/27 04:40	2.42	67.71	1.33
2017/01/27 04:55	2.26	59.24	1.29
2017/01/27 05:10	2.26	59.24	1.29
2017/01/27 05:25	2.42	72.29	1.42
2017/01/27 05:40	2.42	65.35	1.29
2017/01/27 05:55	2.51	78.61	1.47
2017/01/27 06:10	2.64	86.74	1.51
2017/01/27 06:25	2.72	92.43	1.54
2017/01/27 06:40	2.79	100.28	1.61
2017/01/27 06:55	3.12	126.39	1.74
2017/01/27 07:10	3.59	310.97	3.51
2017/01/27 07:25	3.77	348.19	3.67
2017/01/27 07:40	3.77	348.19	3.67
2017/01/27 07:55	3.77	348.19	3.67
2017/01/27 08:10	3.74	337.64	3.60
2017/01/27 08:25	3.70	322.50	3.49
2017/01/27 08:40	3.69	315.28	3.43
2017/01/27 08:55	3.48	281.25	3.32

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 09:10	3.47	255.97	3.03
2017/01/27 09:25	3.40	248.82	3.03
2017/01/27 09:40	3.33	241.67	3.03
2017/01/27 09:55	3.33	241.67	3.03
2017/01/27 10:10	3.33	250.49	3.14
2017/01/27 10:25	3.31	262.78	3.32
2017/01/27 10:40	3.31	271.53	3.43
2017/01/27 10:55	3.40	281.94	3.43
2017/01/27 11:10	3.40	282.99	3.44
2017/01/27 11:25	3.40	282.99	3.44
2017/01/27 11:40	3.40	273.40	3.33
2017/01/27 11:55	3.40	273.40	3.33
2017/01/27 12:10	3.43	297.29	3.58
2017/01/27 12:25	3.43	278.33	3.35
2017/01/27 12:40	3.43	289.72	3.48
2017/01/27 12:55	3.43	289.72	3.48
2017/01/27 13:10	3.44	290.90	3.48
2017/01/27 13:25	3.43	283.26	3.41
2017/01/27 13:40	3.40	279.79	3.41
2017/01/27 13:55	3.40	278.19	3.39
2017/01/27 14:10	3.34	270.83	3.38
2017/01/27 14:25	3.33	267.64	3.35
2017/01/27 14:40	3.33	240.62	3.02
2017/01/27 14:55	3.33	267.64	3.35
2017/01/27 15:10	3.33	267.64	3.35
2017/01/27 15:25	3.36	231.11	2.86
2017/01/27 15:40	3.36	272.01	3.37
2017/01/27 15:55	3.38	274.30	3.37
2017/01/27 16:10	3.38	272.71	3.35
2017/01/27 16:25	3.36	264.72	3.28
2017/01/27 16:40	3.38	266.87	3.28
2017/01/27 16:55	3.41	255.21	3.09
2017/01/27 17:10	3.34	231.74	2.89
2017/01/27 17:25	3.34	247.92	3.09
2017/01/27 17:40	3.41	238.61	2.89
2017/01/27 17:55	3.37	244.17	3.01
2017/01/27 18:10	3.34	231.74	2.89
2017/01/27 18:25	3.37	244.17	3.01
2017/01/27 18:40	3.41	248.19	3.01
2017/01/27 18:55	3.48	271.87	3.20
2017/01/27 19:10	3.62	290.14	3.24
2017/01/27 19:25	3.62	298.26	3.33
2017/01/27 19:40	3.62	332.64	3.71
2017/01/27 19:55	3.71	344.17	3.71
2017/01/27 20:10	3.71	346.60	3.74

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 20:25	3.70	342.92	3.71
2017/01/27 20:40	3.55	320.90	3.68
2017/01/27 20:55	3.63	317.57	3.53
2017/01/27 21:10	3.52	304.30	3.53
2017/01/27 21:25	3.52	304.30	3.53
2017/01/27 21:40	3.62	315.21	3.52
2017/01/27 21:55	3.63	316.39	3.52
2017/01/27 22:10	3.62	315.21	3.52
2017/01/27 22:25	3.62	315.21	3.52
2017/01/27 22:40	3.54	305.55	3.52
2017/01/27 22:55	3.52	300.90	3.49
2017/01/27 23:10	3.50	277.43	3.24
2017/01/27 23:25	3.37	252.08	3.11
2017/01/27 23:40	3.37	232.57	2.87
2017/01/27 23:55	3.33	228.75	2.87
2017/01/28 00:10	3.33	219.37	2.75
2017/01/28 00:25	3.33	188.26	2.36
2017/01/28 00:40	3.11	141.87	1.96
2017/01/28 00:55	3.01	118.82	1.72
2017/01/28 01:10	3.01	118.82	1.72
2017/01/28 01:25	2.88	110.76	1.70
2017/01/28 01:40	2.83	106.46	1.68
2017/01/28 01:55	2.83	99.44	1.57
2017/01/28 02:10	2.44	74.17	1.44
2017/01/28 02:25	2.43	73.06	1.43
2017/01/28 02:40	2.39	65.21	1.31
2017/01/28 02:55	2.39	65.49	1.31
2017/01/28 03:10	2.29	60.97	1.30
2017/01/28 03:25	2.29	61.60	1.31
2017/01/28 03:40	2.29	60.97	1.30
2017/01/28 03:55	2.29	60.97	1.30
2017/01/28 04:10	2.25	59.51	1.30
2017/01/28 04:25	2.24	58.54	1.29
2017/01/28 04:40	2.17	54.79	1.26
2017/01/28 04:55	2.07	47.22	1.16
2017/01/28 05:10	2.07	47.22	1.16
2017/01/28 05:25	2.06	44.79	1.11
2017/01/28 05:40	2.00	41.18	1.07
2017/01/28 05:55	2.07	47.22	1.16
2017/01/28 06:10	2.07	49.10	1.21
2017/01/28 06:25	2.12	50.76	1.21
2017/01/28 06:40	2.39	70.35	1.41
2017/01/28 06:55	2.46	73.33	1.41
2017/01/28 07:10	2.47	75.14	1.44
2017/01/28 07:25	2.47	75.49	1.44

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 07:40	2.50	77.50	1.46
2017/01/28 07:55	2.83	100.21	1.58
2017/01/28 08:10	3.01	120.62	1.74
2017/01/28 08:25	3.05	126.53	1.79
2017/01/28 08:40	3.36	151.81	1.88
2017/01/28 08:55	3.48	293.40	3.46
2017/01/28 09:10	3.65	313.54	3.46
2017/01/28 09:25	3.74	324.24	3.46
2017/01/28 09:40	3.74	324.24	3.46
2017/01/28 09:55	3.82	335.76	3.48
2017/01/28 10:10	3.84	338.19	3.48
2017/01/28 10:25	3.84	362.85	3.73
2017/01/28 10:40	3.85	369.86	3.79
2017/01/28 10:55	3.85	376.18	3.85
2017/01/28 11:10	3.88	388.54	3.94
2017/01/28 11:25	3.88	388.54	3.94
2017/01/28 11:40	3.85	384.44	3.94
2017/01/28 11:55	3.81	380.83	3.96
2017/01/28 12:10	3.81	357.71	3.72
2017/01/28 12:25	3.80	331.46	3.46
2017/01/28 12:40	3.80	331.46	3.46
2017/01/28 12:55	3.80	366.94	3.83
2017/01/28 13:10	3.74	359.03	3.83
2017/01/28 13:25	3.74	359.03	3.83
2017/01/28 13:40	3.73	357.64	3.83
2017/01/28 13:55	3.73	353.40	3.78
2017/01/28 14:10	3.73	353.40	3.78
2017/01/28 14:25	3.74	331.60	3.54
2017/01/28 14:40	3.71	315.21	3.40
2017/01/28 14:55	3.71	327.92	3.54
2017/01/28 15:10	3.71	345.97	3.73
2017/01/28 15:25	3.71	345.97	3.73
2017/01/28 15:40	3.71	345.97	3.73
2017/01/28 15:55	3.71	345.97	3.73
2017/01/28 16:10	3.70	333.89	3.61
2017/01/28 16:25	3.65	319.37	3.52
2017/01/28 16:40	3.52	303.75	3.52
2017/01/28 16:55	3.52	284.10	3.30
2017/01/28 17:10	3.52	284.10	3.30
2017/01/28 17:25	3.52	282.99	3.28
2017/01/28 17:40	3.52	288.61	3.35
2017/01/28 17:55	3.61	283.19	3.17
2017/01/28 18:10	3.61	283.19	3.17
2017/01/28 18:25	3.61	283.19	3.17
2017/01/28 18:40	3.61	289.03	3.24

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 18:55	3.61	289.03	3.24
2017/01/28 19:10	3.61	292.50	3.28
2017/01/28 19:25	3.61	296.60	3.32
2017/01/28 19:40	3.61	296.60	3.32
2017/01/28 19:55	3.65	297.01	3.28
2017/01/28 20:10	3.61	292.50	3.28
2017/01/28 20:25	3.59	294.30	3.32
2017/01/28 20:40	3.56	305.14	3.48
2017/01/28 20:55	3.56	306.80	3.50
2017/01/28 21:10	3.56	306.80	3.50
2017/01/28 21:25	3.43	289.72	3.48
2017/01/28 21:40	3.33	272.29	3.41
2017/01/28 21:55	3.33	272.29	3.41
2017/01/28 22:10	3.33	272.29	3.41
2017/01/28 22:25	3.48	272.43	3.21
2017/01/28 22:40	3.48	291.18	3.43
2017/01/28 22:55	3.48	291.18	3.43
2017/01/28 23:10	3.45	276.25	3.30
2017/01/28 23:25	3.31	254.10	3.21
2017/01/28 23:40	3.31	225.76	2.85
2017/01/28 23:55	3.27	177.50	2.28
2017/01/29 00:10	3.27	152.22	1.96
2017/01/29 00:25	3.11	139.93	1.93
2017/01/29 00:40	3.08	126.46	1.77
2017/01/29 00:55	2.98	119.79	1.75
2017/01/29 01:10	2.87	108.96	1.68
2017/01/29 01:25	2.85	106.25	1.66
2017/01/29 01:40	2.79	103.06	1.66
2017/01/29 01:55	2.78	101.74	1.64
2017/01/29 02:10	2.74	99.72	1.64
2017/01/29 02:25	2.57	82.71	1.50
2017/01/29 02:40	2.35	70.62	1.45
2017/01/29 02:55	2.35	70.62	1.45
2017/01/29 03:10	2.35	64.24	1.32
2017/01/29 03:25	2.32	64.93	1.36
2017/01/29 03:40	2.32	64.93	1.36
2017/01/29 03:55	2.32	60.00	1.25
2017/01/29 04:10	2.28	58.47	1.25
2017/01/29 04:25	2.21	55.97	1.25
2017/01/29 04:40	2.21	55.62	1.25
2017/01/29 04:55	2.19	54.10	1.23
2017/01/29 05:10	2.17	53.33	1.23
2017/01/29 05:25	2.14	52.29	1.23
2017/01/29 05:40	2.12	50.21	1.20
2017/01/29 05:55	2.12	50.21	1.20

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 06:10	2.12	52.99	1.26
2017/01/29 06:25	2.15	54.03	1.26
2017/01/29 06:40	2.15	55.42	1.29
2017/01/29 06:55	2.21	58.54	1.31
2017/01/29 07:10	2.35	63.96	1.31
2017/01/29 07:25	2.37	65.07	1.32
2017/01/29 07:40	2.51	73.40	1.37
2017/01/29 07:55	2.58	86.46	1.55
2017/01/29 08:10	2.67	91.94	1.57
2017/01/29 08:25	2.94	117.99	1.76
2017/01/29 08:40	3.05	128.82	1.83
2017/01/29 08:55	3.09	132.15	1.84
2017/01/29 09:10	3.11	136.18	1.88
2017/01/29 09:25	3.38	171.04	2.10
2017/01/29 09:40	3.59	247.08	2.79
2017/01/29 09:55	3.62	272.64	3.04
2017/01/29 10:10	3.66	278.05	3.06
2017/01/29 10:25	3.81	332.64	3.46
2017/01/29 10:40	3.91	368.75	3.70
2017/01/29 10:55	4.01	381.73	3.70
2017/01/29 11:10	4.06	388.26	3.70
2017/01/29 11:25	4.06	388.26	3.70
2017/01/29 11:40	4.01	374.37	3.63
2017/01/29 11:55	3.98	351.94	3.44
2017/01/29 12:10	3.98	351.94	3.44
2017/01/29 12:25	3.94	347.08	3.44
2017/01/29 12:40	3.95	343.68	3.40
2017/01/29 12:55	3.95	348.26	3.44
2017/01/29 13:10	3.94	342.50	3.40
2017/01/29 13:25	3.82	328.19	3.40
2017/01/29 13:40	3.82	339.51	3.52
2017/01/29 13:55	3.80	353.26	3.69
2017/01/29 14:10	3.80	356.39	3.72
2017/01/29 14:25	3.80	358.89	3.74
2017/01/29 14:40	3.80	356.39	3.72
2017/01/29 14:55	3.80	358.89	3.74
2017/01/29 15:10	3.80	358.89	3.74
2017/01/29 15:25	3.78	350.69	3.69
2017/01/29 15:40	3.62	330.35	3.69
2017/01/29 15:55	3.61	329.10	3.69
2017/01/29 16:10	3.51	299.72	3.49
2017/01/29 16:25	3.50	280.21	3.28
2017/01/29 16:40	3.50	268.54	3.14
2017/01/29 16:55	3.50	280.21	3.28
2017/01/29 17:10	3.48	266.39	3.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 17:25	3.44	262.15	3.14
2017/01/29 17:40	3.44	283.26	3.39
2017/01/29 17:55	3.44	287.64	3.44
2017/01/29 18:10	3.47	293.89	3.48
2017/01/29 18:25	3.52	302.01	3.50
2017/01/29 18:40	3.52	299.79	3.48
2017/01/29 18:55	3.52	299.79	3.48
2017/01/29 19:10	3.52	299.79	3.48
2017/01/29 19:25	3.59	310.42	3.50
2017/01/29 19:40	3.61	308.75	3.46
2017/01/29 19:55	3.66	314.72	3.46
2017/01/29 20:10	3.71	322.50	3.48
2017/01/29 20:25	3.73	301.80	3.23
2017/01/29 20:40	3.76	305.14	3.23
2017/01/29 20:55	3.81	323.89	3.37
2017/01/29 21:10	3.81	334.51	3.48
2017/01/29 21:25	3.81	355.14	3.69
2017/01/29 21:40	3.81	355.14	3.69
2017/01/29 21:55	3.81	355.14	3.69
2017/01/29 22:10	3.82	359.58	3.72
2017/01/29 22:25	3.82	356.46	3.69
2017/01/29 22:40	3.82	316.94	3.28
2017/01/29 22:55	3.77	305.07	3.22
2017/01/29 23:10	3.48	272.43	3.21
2017/01/29 23:25	3.45	258.26	3.08
2017/01/29 23:40	3.40	253.05	3.08
2017/01/29 23:55	3.30	205.35	2.61
2017/01/30 00:10	2.97	117.50	1.73
2017/01/30 00:25	2.85	105.83	1.65
2017/01/30 00:40	2.72	96.32	1.61
2017/01/30 00:55	2.46	77.08	1.48
2017/01/30 01:10	2.40	67.22	1.34
2017/01/30 01:25	2.37	64.10	1.30
2017/01/30 01:40	2.28	60.62	1.30
2017/01/30 01:55	2.18	58.54	1.34
2017/01/30 02:10	2.18	58.54	1.34
2017/01/30 02:25	2.14	47.01	1.11
2017/01/30 02:40	2.06	51.87	1.29
2017/01/30 02:55	1.96	40.69	1.09
2017/01/30 03:10	1.96	40.69	1.09
2017/01/30 03:25	1.96	40.69	1.09
2017/01/30 03:40	2.11	51.53	1.24
2017/01/30 03:55	2.14	52.57	1.24
2017/01/30 04:10	2.18	54.86	1.25
2017/01/30 04:25	2.18	54.86	1.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 04:40	2.21	62.92	1.41
2017/01/30 04:55	2.21	62.92	1.41
2017/01/30 05:10	2.28	65.76	1.41
2017/01/30 05:25	2.37	66.67	1.35
2017/01/30 05:40	2.39	67.43	1.35
2017/01/30 05:55	2.46	70.28	1.35
2017/01/30 06:10	2.68	95.07	1.62
2017/01/30 06:25	2.83	102.71	1.62
2017/01/30 06:40	2.88	109.10	1.68
2017/01/30 06:55	3.12	122.64	1.68
2017/01/30 07:10	3.25	148.89	1.93
2017/01/30 07:25	3.51	195.90	2.28
2017/01/30 07:40	3.69	320.69	3.48
2017/01/30 07:55	3.69	320.69	3.48
2017/01/30 08:10	3.69	320.69	3.48
2017/01/30 08:25	3.62	301.80	3.37
2017/01/30 08:40	3.54	285.21	3.28
2017/01/30 08:55	3.54	274.51	3.16
2017/01/30 09:10	3.47	266.94	3.16
2017/01/30 09:25	3.54	285.21	3.28
2017/01/30 09:40	3.47	269.72	3.19
2017/01/30 09:55	3.45	275.21	3.28
2017/01/30 10:10	3.47	277.43	3.28
2017/01/30 10:25	3.51	282.99	3.30
2017/01/30 10:40	3.51	282.99	3.30
2017/01/30 10:55	3.55	287.50	3.30
2017/01/30 11:10	3.61	275.07	3.08
2017/01/30 11:25	3.55	268.75	3.08
2017/01/30 11:40	3.58	271.94	3.08
2017/01/30 11:55	3.55	262.50	3.01
2017/01/30 12:10	3.55	255.69	2.93
2017/01/30 12:25	3.54	254.72	2.93
2017/01/30 12:40	3.51	265.69	3.09
2017/01/30 12:55	3.51	265.69	3.09
2017/01/30 13:10	3.54	302.71	3.48
2017/01/30 13:25	3.55	305.62	3.50
2017/01/30 13:40	3.56	305.14	3.48
2017/01/30 13:55	3.56	306.80	3.50
2017/01/30 14:10	3.56	305.14	3.48
2017/01/30 14:25	3.56	302.85	3.46
2017/01/30 14:40	3.56	302.85	3.46
2017/01/30 14:55	3.58	305.21	3.46
2017/01/30 15:10	3.58	305.21	3.46
2017/01/30 15:25	3.65	315.28	3.48
2017/01/30 15:40	3.65	324.10	3.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 15:55	3.52	304.86	3.54
2017/01/30 16:10	3.52	308.19	3.58
2017/01/30 16:25	3.63	338.61	3.76
2017/01/30 16:40	3.63	338.61	3.76
2017/01/30 16:55	3.66	342.50	3.76
2017/01/30 17:10	3.66	342.50	3.76
2017/01/30 17:25	3.66	327.71	3.60
2017/01/30 17:40	3.56	315.35	3.60
2017/01/30 17:55	3.56	310.83	3.55
2017/01/30 18:10	3.56	310.83	3.55
2017/01/30 18:25	3.69	326.67	3.55
2017/01/30 18:40	3.73	337.01	3.61
2017/01/30 18:55	3.73	344.30	3.69
2017/01/30 19:10	3.73	349.17	3.74
2017/01/30 19:25	3.70	345.28	3.74
2017/01/30 19:40	3.66	335.42	3.69
2017/01/30 19:55	3.52	277.36	3.22
2017/01/30 20:10	3.52	277.36	3.22
2017/01/30 20:25	3.52	277.36	3.22
2017/01/30 20:40	3.55	313.54	3.59
2017/01/30 20:55	3.59	325.42	3.67
2017/01/30 21:10	3.65	332.99	3.67
2017/01/30 21:25	3.69	337.99	3.67
2017/01/30 21:40	3.73	332.78	3.56
2017/01/30 21:55	3.73	332.78	3.56
2017/01/30 22:10	3.76	336.46	3.56
2017/01/30 22:25	3.87	360.97	3.67
2017/01/30 22:40	3.88	362.29	3.67
2017/01/30 22:55	3.88	367.43	3.72
2017/01/30 23:10	3.87	366.11	3.72
2017/01/30 23:25	3.84	355.21	3.65
2017/01/30 23:40	3.48	291.74	3.44
2017/01/30 23:55	3.41	209.65	2.54
2017/01/31 00:10	3.26	143.47	1.85
2017/01/31 00:25	3.02	123.47	1.77
2017/01/31 00:40	3.50	266.32	3.11
2017/01/31 00:55	3.44	259.93	3.11
2017/01/31 01:10	3.36	251.04	3.11
2017/01/31 01:25	3.29	243.75	3.11
2017/01/31 01:40	3.08	121.32	1.70
2017/01/31 01:55	2.79	96.60	1.55
2017/01/31 02:10	2.72	90.49	1.51
2017/01/31 02:25	2.64	85.62	1.49
2017/01/31 02:40	2.46	71.32	1.37
2017/01/31 02:55	2.42	64.37	1.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 03:10	2.19	55.49	1.26
2017/01/31 03:25	2.17	53.61	1.24
2017/01/31 03:40	2.17	50.28	1.16
2017/01/31 03:55	2.17	53.33	1.23
2017/01/31 04:10	2.19	54.10	1.23
2017/01/31 04:25	2.19	54.10	1.23
2017/01/31 04:40	2.19	54.10	1.23
2017/01/31 04:55	2.26	56.87	1.24
2017/01/31 05:10	2.31	58.68	1.24
2017/01/31 05:25	2.33	59.44	1.24
2017/01/31 05:40	2.39	65.21	1.31
2017/01/31 05:55	2.40	66.25	1.32
2017/01/31 06:10	2.47	72.78	1.39
2017/01/31 06:25	2.61	81.25	1.44
2017/01/31 06:40	2.65	89.03	1.54
2017/01/31 06:55	2.67	92.29	1.58
2017/01/31 07:10	2.81	99.24	1.58
2017/01/31 07:25	2.90	105.49	1.61
2017/01/31 07:40	2.93	115.69	1.74
2017/01/31 07:55	3.19	137.22	1.83
2017/01/31 08:10	3.71	307.43	3.32
2017/01/31 08:25	3.84	322.36	3.32
2017/01/31 08:40	3.88	353.26	3.58
2017/01/31 08:55	3.88	359.10	3.64
2017/01/31 09:10	3.88	359.10	3.64
2017/01/31 09:25	3.88	354.58	3.59
2017/01/31 09:40	3.62	322.15	3.59
2017/01/31 09:55	3.62	322.15	3.59
2017/01/31 10:10	3.61	312.85	3.50
2017/01/31 10:25	3.58	305.76	3.46
2017/01/31 10:40	3.54	301.04	3.46
2017/01/31 10:55	3.47	291.18	3.45
2017/01/31 11:10	3.47	279.44	3.31
2017/01/31 11:25	3.47	293.68	3.47
2017/01/31 11:40	3.46	278.33	3.31
2017/01/31 11:55	3.46	249.44	2.96
2017/01/31 12:10	3.41	272.78	3.31
2017/01/31 12:25	3.41	285.42	3.46
2017/01/31 12:40	3.39	283.05	3.46
2017/01/31 12:55	3.41	285.42	3.46
2017/01/31 13:10	3.50	295.97	3.46
2017/01/31 13:25	3.51	294.65	3.43
2017/01/31 13:40	3.50	289.72	3.39
2017/01/31 13:55	3.50	289.72	3.39
2017/01/31 14:10	3.51	290.83	3.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 14:25	3.54	298.12	3.43
2017/01/31 14:40	3.57	310.62	3.53
2017/01/31 14:55	3.57	310.62	3.53
2017/01/31 15:10	3.59	313.05	3.53
2017/01/31 15:25	3.59	314.30	3.55
2017/01/31 15:40	3.59	314.30	3.55
2017/01/31 15:55	3.46	308.47	3.66
2017/01/31 16:10	3.43	304.72	3.66
2017/01/31 16:25	3.43	286.53	3.45
2017/01/31 16:40	3.43	276.80	3.33
2017/01/31 16:55	3.46	290.00	3.45
2017/01/31 17:10	3.46	290.00	3.45
2017/01/31 17:25	3.46	306.60	3.64
2017/01/31 17:40	3.46	307.22	3.65
2017/01/31 17:55	3.41	317.92	3.85
2017/01/31 18:10	3.41	317.92	3.85
2017/01/31 18:25	3.50	329.65	3.85
2017/01/31 18:40	3.52	332.92	3.86
2017/01/31 18:55	3.58	340.83	3.86
2017/01/31 19:10	3.61	344.79	3.86
2017/01/31 19:25	3.62	346.11	3.86
2017/01/31 19:40	3.68	338.05	3.69
2017/01/31 19:55	3.69	323.82	3.52
2017/01/31 20:10	3.76	332.36	3.52
2017/01/31 20:25	3.91	350.76	3.52
2017/01/31 20:40	4.11	416.11	3.90
2017/01/31 20:55	4.11	422.36	3.96
2017/01/31 21:10	3.96	401.39	3.96
2017/01/31 21:25	3.96	395.48	3.90
2017/01/31 21:40	4.08	419.72	3.97
2017/01/31 21:55	3.96	350.28	3.45
2017/01/31 22:10	3.96	350.28	3.45
2017/01/31 22:25	3.93	403.82	4.02
2017/01/31 22:40	3.82	388.33	4.02
2017/01/31 22:55	3.73	360.76	3.86
2017/01/31 23:10	3.65	350.14	3.86
2017/01/31 23:25	3.50	312.78	3.66
2017/01/31 23:40	3.46	275.90	3.28
2017/01/31 23:55	3.40	269.24	3.28
2017/02/01 00:10	3.32	259.86	3.27
2017/02/01 00:25	3.25	252.22	3.27
2017/02/01 00:40	3.04	126.11	1.80
2017/02/01 00:55	2.76	100.14	1.64
2017/02/01 01:10	2.69	93.54	1.58
2017/02/01 01:25	2.61	88.40	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 01:40	2.43	73.82	1.45
2017/02/01 01:55	2.39	67.36	1.35
2017/02/01 02:10	2.16	57.99	1.34
2017/02/01 02:25	2.14	55.97	1.31
2017/02/01 02:40	2.14	52.22	1.23
2017/02/01 02:55	2.14	55.62	1.31
2017/02/01 03:10	2.16	56.39	1.31
2017/02/01 03:25	2.16	56.39	1.31
2017/02/01 03:40	2.16	56.39	1.31
2017/02/01 03:55	2.23	59.37	1.31
2017/02/01 04:10	2.28	61.25	1.31
2017/02/01 04:25	2.30	62.08	1.31
2017/02/01 04:40	2.36	68.33	1.39
2017/02/01 04:55	2.37	69.44	1.41
2017/02/01 05:10	2.44	75.00	1.46
2017/02/01 05:25	2.58	83.68	1.50
2017/02/01 05:40	2.62	92.15	1.62
2017/02/01 05:55	2.64	95.69	1.66
2017/02/01 06:10	2.78	102.99	1.66
2017/02/01 06:25	2.86	109.10	1.69
2017/02/01 06:40	2.89	120.28	1.84
2017/02/01 06:55	3.15	143.33	1.94
2017/02/01 07:10	3.66	318.89	3.50
2017/02/01 07:25	3.79	334.65	3.50
2017/02/01 07:40	3.83	366.39	3.78
2017/02/01 07:55	3.83	371.39	3.83
2017/02/01 08:10	3.83	371.39	3.83
2017/02/01 08:25	3.83	367.08	3.79
2017/02/01 08:40	3.58	334.37	3.79
2017/02/01 08:55	3.58	334.37	3.79
2017/02/01 09:10	3.57	325.42	3.70
2017/02/01 09:25	3.54	318.40	3.66
2017/02/01 09:40	3.50	313.40	3.66
2017/02/01 09:55	3.48	307.85	3.63
2017/02/01 10:10	3.48	273.12	3.22
2017/02/01 10:25	3.48	273.12	3.22
2017/02/01 10:40	3.48	273.12	3.22
2017/02/01 10:55	3.51	314.03	3.66
2017/02/01 11:10	3.51	314.03	3.66
2017/02/01 11:25	3.51	314.03	3.66
2017/02/01 11:40	3.46	296.80	3.53
2017/02/01 11:55	3.44	293.19	3.51
2017/02/01 12:10	3.40	284.86	3.47
2017/02/01 12:25	3.40	284.86	3.47
2017/02/01 12:40	3.39	275.90	3.37

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 12:55	3.39	275.90	3.37
2017/02/01 13:10	3.39	287.85	3.52
2017/02/01 13:25	3.41	299.24	3.63
2017/02/01 13:40	3.46	310.28	3.69
2017/02/01 13:55	3.48	312.78	3.69
2017/02/01 14:10	3.52	317.85	3.69
2017/02/01 14:25	3.58	347.92	3.94
2017/02/01 14:40	3.58	347.92	3.94
2017/02/01 14:55	3.58	347.92	3.94
2017/02/01 15:10	3.57	346.60	3.94
2017/02/01 15:25	3.57	340.76	3.88
2017/02/01 15:40	3.47	318.33	3.77
2017/02/01 15:55	3.43	302.29	3.64
2017/02/01 16:10	3.41	299.86	3.64
2017/02/01 16:25	3.43	302.29	3.64
2017/02/01 16:40	3.47	307.22	3.64
2017/02/01 16:55	3.47	307.22	3.64
2017/02/01 17:10	3.48	311.53	3.67
2017/02/01 17:25	3.48	311.53	3.67
2017/02/01 17:40	3.48	315.90	3.72
2017/02/01 17:55	3.51	307.15	3.58
2017/02/01 18:10	3.55	324.79	3.72
2017/02/01 18:25	3.57	343.33	3.91
2017/02/01 18:40	3.69	359.44	3.91
2017/02/01 18:55	3.71	360.83	3.89
2017/02/01 19:10	3.82	375.69	3.89
2017/02/01 19:25	3.86	373.19	3.81
2017/02/01 19:40	3.86	373.19	3.81
2017/02/01 19:55	3.82	367.92	3.81
2017/02/01 20:10	3.82	380.62	3.94
2017/02/01 20:25	3.84	383.33	3.94
2017/02/01 20:40	3.84	383.33	3.94
2017/02/01 20:55	3.90	391.60	3.94
2017/02/01 21:10	3.90	390.14	3.93
2017/02/01 21:25	3.94	395.69	3.93
2017/02/01 21:40	3.94	378.75	3.76
2017/02/01 21:55	3.94	393.47	3.91
2017/02/01 22:10	3.90	387.98	3.91
2017/02/01 22:25	3.90	387.98	3.91
2017/02/01 22:40	3.90	387.98	3.91
2017/02/01 22:55	3.89	388.05	3.92
2017/02/01 23:10	3.87	385.35	3.92
2017/02/01 23:25	3.62	325.21	3.63
2017/02/01 23:40	3.40	284.86	3.47
2017/02/01 23:55	3.32	269.72	3.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 00:10	3.07	135.14	1.90
2017/02/02 00:25	2.94	127.15	1.90
2017/02/02 00:40	2.90	120.35	1.83
2017/02/02 00:55	2.86	118.06	1.83
2017/02/02 01:10	2.75	107.64	1.77
2017/02/02 01:25	2.57	87.29	1.58
2017/02/02 01:40	2.44	76.18	1.48
2017/02/02 01:55	2.43	69.37	1.36
2017/02/02 02:10	2.43	69.37	1.36
2017/02/02 02:25	2.43	75.69	1.48
2017/02/02 02:40	2.43	74.58	1.46
2017/02/02 02:55	2.43	74.58	1.46
2017/02/02 03:10	2.40	73.26	1.46
2017/02/02 03:25	2.36	67.57	1.38
2017/02/02 03:40	2.32	64.93	1.36
2017/02/02 03:55	2.30	63.75	1.35
2017/02/02 04:10	2.30	64.10	1.36
2017/02/02 04:25	2.30	64.10	1.36
2017/02/02 04:40	2.30	62.71	1.33
2017/02/02 04:55	2.33	66.04	1.37
2017/02/02 05:10	2.41	74.44	1.47
2017/02/02 05:25	2.50	83.47	1.57
2017/02/02 05:40	2.54	87.01	1.60
2017/02/02 05:55	2.55	91.87	1.68
2017/02/02 06:10	2.83	106.53	1.68
2017/02/02 06:25	2.96	126.87	1.88
2017/02/02 06:40	3.11	138.68	1.91
2017/02/02 06:55	3.29	171.25	2.18
2017/02/02 07:10	3.54	341.25	3.93
2017/02/02 07:25	3.76	392.36	4.15
2017/02/02 07:40	3.80	403.05	4.20
2017/02/02 07:55	3.84	408.89	4.20
2017/02/02 08:10	3.84	403.96	4.15
2017/02/02 08:25	3.84	367.71	3.78
2017/02/02 08:40	3.52	325.97	3.78
2017/02/02 08:55	3.48	292.99	3.45
2017/02/02 09:10	3.48	292.99	3.45
2017/02/02 09:25	3.47	264.03	3.12
2017/02/02 09:40	3.46	261.74	3.11
2017/02/02 09:55	3.44	259.65	3.11
2017/02/02 10:10	3.43	258.61	3.11
2017/02/02 10:25	3.41	251.67	3.05
2017/02/02 10:40	3.41	279.37	3.39
2017/02/02 10:55	3.36	287.22	3.56
2017/02/02 11:10	3.41	280.00	3.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 11:25	3.41	280.00	3.39
2017/02/02 11:40	3.44	283.40	3.39
2017/02/02 11:55	3.47	286.87	3.39
2017/02/02 12:10	3.51	291.46	3.39
2017/02/02 12:25	3.52	318.47	3.69
2017/02/02 12:40	3.52	320.35	3.72
2017/02/02 12:55	3.48	315.28	3.72
2017/02/02 13:10	3.48	313.40	3.69
2017/02/02 13:25	3.44	308.40	3.69
2017/02/02 13:40	3.40	304.03	3.70
2017/02/02 13:55	3.40	291.46	3.55
2017/02/02 14:10	3.40	295.00	3.59
2017/02/02 14:25	3.43	304.10	3.66
2017/02/02 14:40	3.43	298.68	3.59
2017/02/02 14:55	3.43	288.33	3.47
2017/02/02 15:10	3.40	295.00	3.59
2017/02/02 15:25	3.37	281.32	3.47
2017/02/02 15:40	3.23	232.22	3.04
2017/02/02 15:55	3.23	232.22	3.04
2017/02/02 16:10	3.18	167.08	2.23
2017/02/02 16:25	3.18	164.37	2.20
2017/02/02 16:40	3.18	164.37	2.20
2017/02/02 16:55	3.23	167.99	2.20
2017/02/02 17:10	3.36	261.87	3.24
2017/02/02 17:25	3.36	261.87	3.24
2017/02/02 17:40	3.36	284.30	3.52
2017/02/02 17:55	3.36	261.87	3.24
2017/02/02 18:10	3.44	293.82	3.52
2017/02/02 18:25	3.47	297.36	3.52
2017/02/02 18:40	3.55	327.99	3.76
2017/02/02 18:55	3.55	327.99	3.76
2017/02/02 19:10	3.55	327.99	3.76
2017/02/02 19:25	3.57	330.55	3.76
2017/02/02 19:40	3.57	315.76	3.59
2017/02/02 19:55	3.76	339.30	3.59
2017/02/02 20:10	3.76	381.32	4.04
2017/02/02 20:25	3.84	411.73	4.23
2017/02/02 20:40	3.84	392.57	4.04
2017/02/02 20:55	3.91	402.43	4.04
2017/02/02 21:10	3.86	395.42	4.04
2017/02/02 21:25	3.84	379.10	3.90
2017/02/02 21:40	3.82	373.54	3.87
2017/02/02 21:55	3.83	374.93	3.87
2017/02/02 22:10	3.82	374.23	3.88
2017/02/02 22:25	3.76	366.18	3.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 22:40	3.76	371.67	3.93
2017/02/02 22:55	3.69	367.50	3.99
2017/02/02 23:10	3.68	360.76	3.93
2017/02/02 23:25	3.68	360.76	3.93
2017/02/02 23:40	3.46	307.85	3.66
2017/02/02 23:55	3.36	251.25	3.11
2017/02/03 00:10	3.32	220.97	2.78
2017/02/03 00:25	2.82	113.89	1.80
2017/02/03 00:40	2.75	106.32	1.74
2017/02/03 00:55	2.73	93.75	1.55
2017/02/03 01:10	2.65	88.61	1.53
2017/02/03 01:25	2.58	83.26	1.50
2017/02/03 01:40	2.37	73.75	1.50
2017/02/03 01:55	2.37	73.75	1.50
2017/02/03 02:10	2.22	66.81	1.49
2017/02/03 02:25	2.18	60.62	1.39
2017/02/03 02:40	2.15	56.94	1.33
2017/02/03 02:55	2.14	55.35	1.30
2017/02/03 03:10	2.14	55.35	1.30
2017/02/03 03:25	2.14	54.10	1.27
2017/02/03 03:40	2.14	55.35	1.30
2017/02/03 03:55	2.33	68.12	1.42
2017/02/03 04:10	2.33	68.12	1.42
2017/02/03 04:25	2.39	70.62	1.42
2017/02/03 04:40	2.39	70.62	1.42
2017/02/03 04:55	2.23	62.01	1.37
2017/02/03 05:10	2.23	62.01	1.37
2017/02/03 05:25	2.39	74.31	1.49
2017/02/03 05:40	2.39	68.47	1.37
2017/02/03 05:55	2.48	81.04	1.54
2017/02/03 06:10	2.61	89.65	1.58
2017/02/03 06:25	2.69	95.69	1.62
2017/02/03 06:40	2.76	104.17	1.70
2017/02/03 06:55	3.08	131.60	1.84
2017/02/03 07:10	3.55	323.47	3.71
2017/02/03 07:25	3.72	360.14	3.87
2017/02/03 07:40	3.72	360.14	3.87
2017/02/03 07:55	3.72	360.14	3.87
2017/02/03 08:10	3.69	349.37	3.80
2017/02/03 08:25	3.65	334.86	3.69
2017/02/03 08:40	3.64	327.71	3.63
2017/02/03 08:55	3.44	292.57	3.50
2017/02/03 09:10	3.43	265.90	3.20
2017/02/03 09:25	3.36	258.33	3.20
2017/02/03 09:40	3.29	250.83	3.20

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 09:55	3.29	250.83	3.20
2017/02/03 10:10	3.29	259.44	3.31
2017/02/03 10:25	3.27	273.12	3.51
2017/02/03 10:40	3.27	282.78	3.64
2017/02/03 10:55	3.36	293.75	3.64
2017/02/03 11:10	3.36	294.93	3.65
2017/02/03 11:25	3.36	294.93	3.65
2017/02/03 11:40	3.36	284.30	3.52
2017/02/03 11:55	3.36	284.30	3.52
2017/02/03 12:10	3.39	308.75	3.77
2017/02/03 12:25	3.39	289.65	3.54
2017/02/03 12:40	3.39	301.60	3.69
2017/02/03 12:55	3.39	301.60	3.69
2017/02/03 13:10	3.40	302.85	3.69
2017/02/03 13:25	3.39	295.00	3.61
2017/02/03 13:40	3.36	291.39	3.61
2017/02/03 13:55	3.36	289.58	3.58
2017/02/03 14:10	3.30	281.80	3.58
2017/02/03 14:25	3.29	278.33	3.55
2017/02/03 14:40	3.29	249.72	3.18
2017/02/03 14:55	3.29	278.33	3.55
2017/02/03 15:10	3.29	278.33	3.55
2017/02/03 15:25	3.32	240.69	3.03
2017/02/03 15:40	3.32	283.05	3.56
2017/02/03 15:55	3.34	285.42	3.56
2017/02/03 16:10	3.34	283.68	3.54
2017/02/03 16:25	3.32	274.93	3.46
2017/02/03 16:40	3.34	277.22	3.46
2017/02/03 16:55	3.37	264.17	3.26
2017/02/03 17:10	3.30	241.60	3.07
2017/02/03 17:25	3.30	256.53	3.26
2017/02/03 17:40	3.37	248.75	3.07
2017/02/03 17:55	3.33	253.40	3.18
2017/02/03 18:10	3.30	241.60	3.07
2017/02/03 18:25	3.33	253.40	3.18
2017/02/03 18:40	3.37	257.64	3.18
2017/02/03 18:55	3.44	282.22	3.38
2017/02/03 19:10	3.58	301.53	3.42
2017/02/03 19:25	3.58	310.55	3.52
2017/02/03 19:40	3.58	345.35	3.91
2017/02/03 19:55	3.66	356.11	3.91
2017/02/03 20:10	3.66	358.75	3.94
2017/02/03 20:25	3.65	354.72	3.91
2017/02/03 20:40	3.51	332.85	3.88
2017/02/03 20:55	3.59	330.49	3.73

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 21:10	3.48	316.53	3.73
2017/02/03 21:25	3.48	316.53	3.73
2017/02/03 21:40	3.58	327.92	3.72
2017/02/03 21:55	3.59	329.24	3.72
2017/02/03 22:10	3.58	327.92	3.72
2017/02/03 22:25	3.58	327.92	3.72
2017/02/03 22:40	3.50	317.78	3.72
2017/02/03 22:55	3.48	313.40	3.69
2017/02/03 23:10	3.46	288.19	3.42
2017/02/03 23:25	3.33	260.97	3.27
2017/02/03 23:40	3.33	242.29	3.04
2017/02/03 23:55	3.29	238.26	3.04
2017/02/04 00:10	3.29	227.92	2.91
2017/02/04 00:25	3.29	196.46	2.50
2017/02/04 00:40	3.07	146.53	2.06
2017/02/04 00:55	2.97	123.47	1.82
2017/02/04 01:10	2.97	123.47	1.82
2017/02/04 01:25	2.84	115.00	1.80
2017/02/04 01:40	2.80	110.90	1.77
2017/02/04 01:55	2.80	103.12	1.65
2017/02/04 02:10	2.41	76.32	1.51
2017/02/04 02:25	2.40	75.14	1.50
2017/02/04 02:40	2.36	68.33	1.39
2017/02/04 02:55	2.36	68.68	1.40
2017/02/04 03:10	2.26	63.89	1.39
2017/02/04 03:25	2.26	64.51	1.40
2017/02/04 03:40	2.26	63.89	1.39
2017/02/04 03:55	2.26	63.89	1.39
2017/02/04 04:10	2.22	62.22	1.39
2017/02/04 04:25	2.21	61.18	1.37
2017/02/04 04:40	2.14	57.15	1.34
2017/02/04 04:55	2.04	49.03	1.23
2017/02/04 05:10	2.04	49.03	1.23
2017/02/04 05:25	2.03	46.39	1.18
2017/02/04 05:40	1.98	42.78	1.12
2017/02/04 05:55	2.04	49.03	1.23
2017/02/04 06:10	2.04	51.04	1.28
2017/02/04 06:25	2.09	52.85	1.28
2017/02/04 06:40	2.36	72.22	1.47
2017/02/04 06:55	2.43	75.35	1.47
2017/02/04 07:10	2.44	77.29	1.50
2017/02/04 07:25	2.44	77.64	1.51
2017/02/04 07:40	2.47	79.79	1.53
2017/02/04 07:55	2.80	104.03	1.66
2017/02/04 08:10	2.97	125.49	1.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 08:25	3.01	131.94	1.91
2017/02/04 08:40	3.32	158.33	1.99
2017/02/04 08:55	3.44	305.35	3.66
2017/02/04 09:10	3.61	326.53	3.66
2017/02/04 09:25	3.69	336.60	3.66
2017/02/04 09:40	3.69	336.60	3.66
2017/02/04 09:55	3.77	348.82	3.68
2017/02/04 10:10	3.79	351.39	3.68
2017/02/04 10:25	3.79	375.76	3.93
2017/02/04 10:40	3.80	383.47	4.00
2017/02/04 10:55	3.80	390.42	4.07
2017/02/04 11:10	3.83	403.89	4.17
2017/02/04 11:25	3.83	403.89	4.17
2017/02/04 11:40	3.80	399.51	4.17
2017/02/04 11:55	3.76	395.83	4.19
2017/02/04 12:10	3.76	370.28	3.92
2017/02/04 12:25	3.75	344.24	3.66
2017/02/04 12:40	3.75	344.24	3.66
2017/02/04 12:55	3.75	380.62	4.04
2017/02/04 13:10	3.69	372.22	4.04
2017/02/04 13:25	3.69	372.22	4.04
2017/02/04 13:40	3.68	370.83	4.04
2017/02/04 13:55	3.68	366.18	3.99
2017/02/04 14:10	3.68	366.18	3.99
2017/02/04 14:25	3.69	344.03	3.74
2017/02/04 14:40	3.66	327.50	3.60
2017/02/04 14:55	3.66	340.14	3.74
2017/02/04 15:10	3.66	358.05	3.93
2017/02/04 15:25	3.66	358.05	3.93
2017/02/04 15:40	3.66	358.05	3.93
2017/02/04 15:55	3.66	358.05	3.93
2017/02/04 16:10	3.65	345.49	3.81
2017/02/04 16:25	3.61	332.43	3.72
2017/02/04 16:40	3.48	315.90	3.72
2017/02/04 16:55	3.48	295.49	3.48
2017/02/04 17:10	3.48	295.49	3.48
2017/02/04 17:25	3.48	294.24	3.47
2017/02/04 17:40	3.48	300.42	3.54
2017/02/04 17:55	3.57	293.96	3.34
2017/02/04 18:10	3.57	293.96	3.34
2017/02/04 18:25	3.57	293.96	3.34
2017/02/04 18:40	3.57	300.35	3.42
2017/02/04 18:55	3.57	300.35	3.42
2017/02/04 19:10	3.57	304.24	3.46
2017/02/04 19:25	3.57	308.68	3.51

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 19:40	3.57	308.68	3.51
2017/02/04 19:55	3.61	308.96	3.46
2017/02/04 20:10	3.57	304.24	3.46
2017/02/04 20:25	3.55	306.32	3.51
2017/02/04 20:40	3.52	317.85	3.69
2017/02/04 20:55	3.52	319.10	3.70
2017/02/04 21:10	3.52	319.10	3.70
2017/02/04 21:25	3.39	301.60	3.69
2017/02/04 21:40	3.29	283.47	3.61
2017/02/04 21:55	3.29	283.47	3.61
2017/02/04 22:10	3.29	283.47	3.61
2017/02/04 22:25	3.44	282.85	3.39
2017/02/04 22:40	3.44	303.54	3.64
2017/02/04 22:55	3.44	303.54	3.64
2017/02/04 23:10	3.41	287.22	3.48
2017/02/04 23:25	3.27	263.47	3.39
2017/02/04 23:40	3.27	235.07	3.02
2017/02/04 23:55	3.23	184.72	2.42
2017/02/05 00:10	3.23	157.43	2.06
2017/02/05 00:25	3.07	145.00	2.04
2017/02/05 00:40	3.04	131.74	1.88
2017/02/05 00:55	2.94	124.65	1.86
2017/02/05 01:10	2.83	113.06	1.78
2017/02/05 01:25	2.82	110.62	1.75
2017/02/05 01:40	2.76	107.29	1.75
2017/02/05 01:55	2.75	105.90	1.74
2017/02/05 02:10	2.71	103.68	1.74
2017/02/05 02:25	2.54	85.42	1.57
2017/02/05 02:40	2.32	72.57	1.52
2017/02/05 02:55	2.32	72.57	1.52
2017/02/05 03:10	2.32	67.36	1.41
2017/02/05 03:25	2.29	67.50	1.44
2017/02/05 03:40	2.29	67.50	1.44
2017/02/05 03:55	2.29	62.71	1.34
2017/02/05 04:10	2.25	61.11	1.34
2017/02/05 04:25	2.18	58.40	1.34
2017/02/05 04:40	2.18	58.12	1.33
2017/02/05 04:55	2.16	56.39	1.31
2017/02/05 05:10	2.14	55.62	1.31
2017/02/05 05:25	2.11	54.51	1.31
2017/02/05 05:40	2.09	52.29	1.27
2017/02/05 05:55	2.09	52.29	1.27
2017/02/05 06:10	2.09	55.28	1.34
2017/02/05 06:25	2.12	56.39	1.34
2017/02/05 06:40	2.12	57.92	1.38

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 06:55	2.18	61.25	1.40
2017/02/05 07:10	2.32	67.01	1.40
2017/02/05 07:25	2.34	68.19	1.41
2017/02/05 07:40	2.48	76.04	1.45
2017/02/05 07:55	2.55	89.51	1.64
2017/02/05 08:10	2.64	95.28	1.66
2017/02/05 08:25	2.90	122.78	1.87
2017/02/05 08:40	3.01	134.44	1.94
2017/02/05 08:55	3.05	137.99	1.96
2017/02/05 09:10	3.07	141.87	1.99
2017/02/05 09:25	3.34	177.22	2.21
2017/02/05 09:40	3.55	257.29	2.95
2017/02/05 09:55	3.58	282.85	3.20
2017/02/05 10:10	3.62	288.54	3.22
2017/02/05 10:25	3.76	345.49	3.66
2017/02/05 10:40	3.86	381.80	3.90
2017/02/05 10:55	3.96	395.48	3.90
2017/02/05 11:10	4.01	402.36	3.90
2017/02/05 11:25	4.01	402.36	3.90
2017/02/05 11:40	3.96	388.05	3.83
2017/02/05 11:55	3.93	366.46	3.65
2017/02/05 12:10	3.93	366.46	3.65
2017/02/05 12:25	3.89	361.32	3.65
2017/02/05 12:40	3.90	357.50	3.60
2017/02/05 12:55	3.90	362.64	3.65
2017/02/05 13:10	3.89	356.25	3.60
2017/02/05 13:25	3.77	341.18	3.60
2017/02/05 13:40	3.77	352.29	3.72
2017/02/05 13:55	3.75	365.48	3.88
2017/02/05 14:10	3.75	368.96	3.92
2017/02/05 14:25	3.75	371.67	3.95
2017/02/05 14:40	3.75	368.96	3.92
2017/02/05 14:55	3.75	371.67	3.95
2017/02/05 15:10	3.75	371.67	3.95
2017/02/05 15:25	3.73	362.85	3.88
2017/02/05 15:40	3.58	342.78	3.88
2017/02/05 15:55	3.57	341.46	3.88
2017/02/05 16:10	3.47	312.15	3.69
2017/02/05 16:25	3.46	291.25	3.46
2017/02/05 16:40	3.46	278.33	3.31
2017/02/05 16:55	3.46	189.30	2.25
2017/02/05 17:10	3.44	179.44	2.15
2017/02/05 17:25	3.40	176.60	2.15
2017/02/05 17:40	3.40	191.74	2.33
2017/02/05 17:55	3.40	194.86	2.37

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 18:10	3.43	198.89	2.39
2017/02/05 18:25	3.48	204.10	2.41
2017/02/05 18:40	3.48	202.92	2.39
2017/02/05 18:55	3.48	202.92	2.39
2017/02/05 19:10	3.48	202.92	2.39
2017/02/05 19:25	3.55	209.86	2.41
2017/02/05 19:40	3.57	209.03	2.38
2017/02/05 19:55	3.62	213.05	2.38
2017/02/05 20:10	3.66	217.64	2.39
2017/02/05 20:25	3.68	203.19	2.22
2017/02/05 20:40	3.71	205.49	2.22
2017/02/05 20:55	3.76	218.75	2.32
2017/02/05 21:10	3.76	225.90	2.39
2017/02/05 21:25	3.76	238.89	2.53
2017/02/05 21:40	3.76	238.89	2.53
2017/02/05 21:55	3.76	238.89	2.53
2017/02/05 22:10	3.77	242.01	2.55
2017/02/05 22:25	3.77	239.79	2.53
2017/02/05 22:40	3.77	213.68	2.25
2017/02/05 22:55	3.72	205.35	2.21
2017/02/05 23:10	3.44	183.82	2.20
2017/02/05 23:25	3.41	173.75	2.11
2017/02/05 23:40	3.36	170.21	2.11
2017/02/05 23:55	3.26	138.19	1.78
2017/02/06 00:10	2.93	79.37	1.19
2017/02/06 00:25	2.82	71.60	1.13
2017/02/06 00:40	2.69	65.00	1.10
2017/02/06 00:55	2.43	51.67	1.01
2017/02/06 01:10	2.37	45.62	0.93
2017/02/06 01:25	2.34	43.61	0.90
2017/02/06 01:40	2.25	41.25	0.90
2017/02/06 01:55	2.15	39.65	0.93
2017/02/06 02:10	2.15	39.65	0.93
2017/02/06 02:25	2.11	31.67	0.76
2017/02/06 02:40	2.03	35.21	0.89
2017/02/06 02:55	1.94	27.50	0.74
2017/02/06 03:10	1.94	27.50	0.74
2017/02/06 03:25	1.94	27.50	0.74
2017/02/06 03:40	2.08	34.93	0.85
2017/02/06 03:55	2.11	35.62	0.85
2017/02/06 04:10	2.15	37.22	0.87
2017/02/06 04:25	2.15	37.22	0.87
2017/02/06 04:40	2.18	41.87	0.96
2017/02/06 04:55	2.18	41.87	0.96
2017/02/06 05:10	2.25	43.89	0.96

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 05:25	2.34	45.00	0.93
2017/02/06 05:40	2.36	45.56	0.93
2017/02/06 05:55	2.43	47.50	0.93
2017/02/06 06:10	2.65	64.17	1.11
2017/02/06 06:25	2.80	69.37	1.11
2017/02/06 06:40	2.84	73.54	1.15
2017/02/06 06:55	3.08	82.78	1.16
2017/02/06 07:10	3.21	100.35	1.32
2017/02/06 07:25	3.47	132.71	1.57
2017/02/06 07:40	3.64	216.39	2.40
2017/02/06 07:55	3.64	216.39	2.40
2017/02/06 08:10	3.64	216.39	2.40
2017/02/06 08:25	3.58	204.37	2.32
2017/02/06 08:40	3.50	192.78	2.25
2017/02/06 08:55	3.50	185.07	2.16
2017/02/06 09:10	3.43	179.93	2.16
2017/02/06 09:25	3.50	192.78	2.25
2017/02/06 09:40	3.43	181.87	2.19
2017/02/06 09:55	3.41	185.90	2.25
2017/02/06 10:10	3.43	187.43	2.25
2017/02/06 10:25	3.47	191.25	2.26
2017/02/06 10:40	3.47	191.25	2.26
2017/02/06 10:55	3.51	194.37	2.26
2017/02/06 11:10	3.57	185.21	2.11
2017/02/06 11:25	3.51	180.90	2.11
2017/02/06 11:40	3.54	183.05	2.11
2017/02/06 11:55	3.51	177.22	2.06
2017/02/06 12:10	3.51	173.19	2.02
2017/02/06 12:25	3.50	172.50	2.02
2017/02/06 12:40	3.47	178.82	2.12
2017/02/06 12:55	3.47	178.82	2.12
2017/02/06 13:10	3.50	204.93	2.40
2017/02/06 13:25	3.51	206.60	2.41
2017/02/06 13:40	3.52	206.60	2.40
2017/02/06 13:55	3.52	207.43	2.41
2017/02/06 14:10	3.52	206.60	2.40
2017/02/06 14:25	3.52	204.93	2.38
2017/02/06 14:40	3.52	204.93	2.38
2017/02/06 14:55	3.54	206.60	2.38
2017/02/06 15:10	3.54	206.60	2.38
2017/02/06 15:25	3.61	213.54	2.39
2017/02/06 15:40	3.61	219.03	2.45
2017/02/06 15:55	3.48	206.11	2.43
2017/02/06 16:10	3.48	208.12	2.45
2017/02/06 16:25	3.59	228.68	2.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 16:40	3.59	228.68	2.58
2017/02/06 16:55	3.62	231.39	2.58
2017/02/06 17:10	3.62	231.39	2.58
2017/02/06 17:25	3.62	221.18	2.47
2017/02/06 17:40	3.52	212.71	2.47
2017/02/06 17:55	3.52	209.86	2.43
2017/02/06 18:10	3.52	209.86	2.43
2017/02/06 18:25	3.64	219.86	2.43
2017/02/06 18:40	3.68	226.67	2.47
2017/02/06 18:55	3.68	231.46	2.52
2017/02/06 19:10	3.68	234.93	2.56
2017/02/06 19:25	3.65	232.29	2.56
2017/02/06 19:40	3.62	226.25	2.52
2017/02/06 19:55	3.48	187.22	2.21
2017/02/06 20:10	3.48	187.22	2.21
2017/02/06 20:25	3.48	187.22	2.21
2017/02/06 20:40	3.51	211.46	2.46
2017/02/06 20:55	3.55	219.37	2.51
2017/02/06 21:10	3.61	224.51	2.51
2017/02/06 21:25	3.64	227.15	2.51
2017/02/06 21:40	3.68	224.10	2.44
2017/02/06 21:55	3.68	224.10	2.44
2017/02/06 22:10	3.71	226.60	2.44
2017/02/06 22:25	3.82	242.78	2.51
2017/02/06 22:40	3.83	243.68	2.51
2017/02/06 22:55	3.83	247.36	2.55
2017/02/06 23:10	3.82	246.46	2.55
2017/02/06 23:25	3.79	238.82	2.50
2017/02/06 23:40	3.44	197.71	2.37
2017/02/06 23:55	3.37	140.90	1.74
2017/02/07 00:10	3.22	97.50	1.28
2017/02/07 00:25	2.98	83.54	1.22
2017/02/07 00:40	2.91	80.21	1.21
2017/02/07 00:55	2.73	64.37	1.07
2017/02/07 01:10	2.72	62.36	1.04
2017/02/07 01:25	2.72	59.24	0.99
2017/02/07 01:40	2.64	55.69	0.97
2017/02/07 01:55	2.46	50.35	0.97
2017/02/07 02:10	2.37	47.50	0.96
2017/02/07 02:25	2.36	42.08	0.86
2017/02/07 02:40	2.34	41.60	0.86
2017/02/07 02:55	2.28	39.58	0.85
2017/02/07 03:10	2.28	38.26	0.82
2017/02/07 03:25	2.28	38.26	0.82
2017/02/07 03:40	2.23	37.08	0.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 03:55	2.23	37.08	0.82
2017/02/07 04:10	2.23	37.92	0.84
2017/02/07 04:25	2.29	42.99	0.92
2017/02/07 04:40	2.30	43.26	0.92
2017/02/07 04:55	2.39	46.18	0.93
2017/02/07 05:10	2.41	47.92	0.95
2017/02/07 05:25	2.54	52.92	0.97
2017/02/07 05:40	2.61	58.54	1.03
2017/02/07 05:55	2.68	61.32	1.04
2017/02/07 06:10	2.69	62.22	1.05
2017/02/07 06:25	2.89	71.04	1.09
2017/02/07 06:40	2.94	76.25	1.14
2017/02/07 06:55	3.26	102.92	1.33
2017/02/07 07:10	3.40	129.79	1.58
2017/02/07 07:25	3.57	218.61	2.49
2017/02/07 07:40	3.82	244.65	2.53
2017/02/07 07:55	3.83	245.55	2.53
2017/02/07 08:10	3.83	245.55	2.53
2017/02/07 08:25	3.83	226.67	2.34
2017/02/07 08:40	3.83	219.30	2.26
2017/02/07 08:55	3.75	206.74	2.20
2017/02/07 09:10	3.58	192.64	2.18
2017/02/07 09:25	3.57	191.87	2.18
2017/02/07 09:40	3.47	182.08	2.15
2017/02/07 09:55	3.55	181.32	2.08
2017/02/07 10:10	3.55	181.32	2.08
2017/02/07 10:25	3.54	187.15	2.15
2017/02/07 10:40	3.55	192.92	2.21
2017/02/07 10:55	3.55	204.44	2.34
2017/02/07 11:10	3.54	203.68	2.34
2017/02/07 11:25	3.51	206.18	2.40
2017/02/07 11:40	3.50	196.04	2.29
2017/02/07 11:55	3.50	174.93	2.05
2017/02/07 12:10	3.45	192.15	2.29
2017/02/07 12:25	3.45	200.49	2.39
2017/02/07 12:40	3.43	198.89	2.39
2017/02/07 12:55	3.45	200.49	2.39
2017/02/07 13:10	3.54	207.78	2.39
2017/02/07 13:25	3.55	206.94	2.37
2017/02/07 13:40	3.54	203.68	2.34
2017/02/07 13:55	3.54	203.68	2.34
2017/02/07 14:10	3.55	204.44	2.34
2017/02/07 14:25	3.58	209.37	2.37
2017/02/07 14:40	3.61	217.78	2.44
2017/02/07 14:55	3.61	217.78	2.44

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 15:10	3.63	219.44	2.44
2017/02/07 15:25	3.63	220.28	2.45
2017/02/07 15:40	3.63	220.28	2.45
2017/02/07 15:55	3.50	216.32	2.53
2017/02/07 16:10	3.36	231.11	2.86
2017/02/07 16:25	3.34	229.65	2.86
2017/02/07 16:40	3.34	229.65	2.86
2017/02/07 16:55	3.36	230.97	2.86
2017/02/07 17:10	3.37	232.36	2.86
2017/02/07 17:25	3.41	231.60	2.80
2017/02/07 17:40	3.47	224.17	2.65
2017/02/07 17:55	3.51	227.99	2.65
2017/02/07 18:10	3.58	246.74	2.80
2017/02/07 18:25	3.64	252.08	2.80
2017/02/07 18:40	3.64	255.14	2.83
2017/02/07 18:55	3.83	274.17	2.83
2017/02/07 19:10	4.02	293.47	2.83
2017/02/07 19:25	4.07	312.57	2.97
2017/02/07 19:40	4.07	325.90	3.10
2017/02/07 19:55	4.07	325.90	3.10
2017/02/07 20:10	4.08	327.43	3.10
2017/02/07 20:25	4.08	327.43	3.10
2017/02/07 20:40	4.04	313.96	3.01
2017/02/07 20:55	4.04	313.96	3.01
2017/02/07 21:10	4.02	323.26	3.12
2017/02/07 21:25	4.02	323.26	3.12
2017/02/07 21:40	3.98	308.05	3.01
2017/02/07 21:55	3.90	297.57	3.00
2017/02/07 22:10	3.90	297.57	3.00
2017/02/07 22:25	3.62	255.83	2.85
2017/02/07 22:40	3.48	239.86	2.82
2017/02/07 22:55	3.47	234.51	2.78
2017/02/07 23:10	3.25	201.25	2.61
2017/02/07 23:25	3.21	195.62	2.59
2017/02/07 23:40	3.07	179.93	2.53
2017/02/07 23:55	3.01	169.17	2.44
2017/02/08 00:10	2.69	136.94	2.32
2017/02/08 00:25	2.46	117.57	2.27
2017/02/08 00:40	2.26	104.31	2.26
2017/02/08 00:55	2.22	98.89	2.20
2017/02/08 01:10	2.16	93.54	2.16
2017/02/08 01:25	1.98	81.94	2.15
2017/02/08 01:40	1.96	80.28	2.15
2017/02/08 01:55	1.73	65.69	2.09
2017/02/08 02:10	1.69	62.22	2.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 02:25	1.68	62.64	2.09
2017/02/08 02:40	1.61	56.53	2.01
2017/02/08 02:55	1.61	55.62	1.97
2017/02/08 03:10	1.61	55.62	1.97
2017/02/08 03:25	1.61	59.86	2.13
2017/02/08 03:40	1.61	57.78	2.05
2017/02/08 03:55	1.62	60.62	2.13
2017/02/08 04:10	1.62	63.19	2.22
2017/02/08 04:25	1.78	72.08	2.22
2017/02/08 04:40	1.83	75.69	2.23
2017/02/08 04:55	1.87	78.75	2.24
2017/02/08 05:10	1.91	81.32	2.24
2017/02/08 05:25	2.04	89.03	2.24
2017/02/08 05:40	2.08	93.06	2.28
2017/02/08 05:55	2.19	104.44	2.37
2017/02/08 06:10	2.33	116.04	2.41
2017/02/08 06:25	2.82	161.39	2.56
2017/02/08 06:40	2.87	175.56	2.71
2017/02/08 06:55	3.00	195.00	2.83
2017/02/08 07:10	3.27	229.30	2.94
2017/02/08 07:25	3.76	291.53	3.09
2017/02/08 07:40	3.80	307.01	3.20
2017/02/08 07:55	4.43	409.17	3.46
2017/02/08 08:10	4.43	409.17	3.46
2017/02/08 08:25	4.43	409.17	3.46
2017/02/08 08:40	4.41	399.30	3.40
2017/02/08 08:55	4.09	337.71	3.18
2017/02/08 09:10	4.08	332.22	3.14
2017/02/08 09:25	4.08	332.22	3.14
2017/02/08 09:40	4.07	330.69	3.14
2017/02/08 09:55	4.05	315.76	3.02
2017/02/08 10:10	4.00	322.99	3.14
2017/02/08 10:25	4.00	323.33	3.15
2017/02/08 10:40	3.94	295.35	2.93
2017/02/08 10:55	3.93	293.89	2.93
2017/02/08 11:10	3.80	277.15	2.89
2017/02/08 11:25	3.77	273.05	2.87
2017/02/08 11:40	3.75	268.54	2.86
2017/02/08 11:55	3.71	264.44	2.86
2017/02/08 12:10	3.64	257.57	2.86
2017/02/08 12:25	3.64	251.94	2.79
2017/02/08 12:40	3.51	232.01	2.70
2017/02/08 12:55	3.47	227.01	2.69
2017/02/08 13:10	3.47	221.25	2.62
2017/02/08 13:25	3.47	221.25	2.62

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 13:40	3.47	221.25	2.62
2017/02/08 13:55	3.47	225.00	2.66
2017/02/08 14:10	3.47	225.07	2.66
2017/02/08 14:25	3.41	226.53	2.74
2017/02/08 14:40	3.41	226.53	2.74
2017/02/08 14:55	3.41	230.55	2.79
2017/02/08 15:10	3.41	228.19	2.76
2017/02/08 15:25	3.37	224.30	2.76
2017/02/08 15:40	3.34	215.07	2.68
2017/02/08 15:55	3.32	212.57	2.68
2017/02/08 16:10	3.29	210.14	2.68
2017/02/08 16:25	3.32	212.57	2.68
2017/02/08 16:40	3.29	210.14	2.68
2017/02/08 16:55	3.29	210.97	2.69
2017/02/08 17:10	3.46	234.72	2.79
2017/02/08 17:25	3.46	234.72	2.79
2017/02/08 17:40	3.46	230.62	2.75
2017/02/08 17:55	3.52	241.32	2.79
2017/02/08 18:10	3.65	264.65	2.92
2017/02/08 18:25	3.71	270.21	2.92
2017/02/08 18:40	3.75	274.44	2.92
2017/02/08 18:55	3.87	293.47	2.98
2017/02/08 19:10	3.90	290.00	2.92
2017/02/08 19:25	3.94	305.62	3.03
2017/02/08 19:40	4.01	299.93	2.91
2017/02/08 19:55	3.90	295.55	2.98
2017/02/08 20:10	3.98	304.30	2.98
2017/02/08 20:25	4.00	308.40	3.00
2017/02/08 20:40	4.00	305.76	2.98
2017/02/08 20:55	3.98	306.94	3.00
2017/02/08 21:10	3.98	306.94	3.00
2017/02/08 21:25	3.91	290.00	2.91
2017/02/08 21:40	3.89	286.46	2.90
2017/02/08 21:55	3.83	280.83	2.90
2017/02/08 22:10	3.73	271.04	2.90
2017/02/08 22:25	3.64	258.68	2.87
2017/02/08 22:40	3.59	242.85	2.74
2017/02/08 22:55	3.29	214.51	2.74
2017/02/08 23:10	3.23	207.50	2.71
2017/02/08 23:25	3.21	203.96	2.70
2017/02/08 23:40	3.05	171.67	2.43
2017/02/08 23:55	2.65	134.24	2.32
2017/02/09 00:10	2.61	126.81	2.24
2017/02/09 00:25	2.48	118.19	2.24
2017/02/09 00:40	2.44	112.71	2.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 00:55	2.23	99.24	2.19
2017/02/09 01:10	2.12	91.18	2.17
2017/02/09 01:25	2.01	86.11	2.21
2017/02/09 01:40	1.96	79.44	2.12
2017/02/09 01:55	1.93	77.78	2.12
2017/02/09 02:10	1.80	70.62	2.12
2017/02/09 02:25	1.80	70.28	2.11
2017/02/09 02:40	1.75	67.15	2.11
2017/02/09 02:55	1.73	66.39	2.11
2017/02/09 03:10	1.68	65.28	2.18
2017/02/09 03:25	1.68	63.33	2.11
2017/02/09 03:40	1.61	57.85	2.05
2017/02/09 03:55	1.61	57.85	2.05
2017/02/09 04:10	1.61	58.19	2.07
2017/02/09 04:25	1.65	60.42	2.07
2017/02/09 04:40	1.68	63.96	2.13
2017/02/09 04:55	1.78	70.90	2.18
2017/02/09 05:10	1.78	72.08	2.22
2017/02/09 05:25	1.87	78.96	2.25
2017/02/09 05:40	1.89	79.79	2.25
2017/02/09 05:55	2.15	98.06	2.29
2017/02/09 06:10	2.54	127.64	2.35
2017/02/09 06:25	2.71	150.76	2.53
2017/02/09 06:40	2.89	168.96	2.59
2017/02/09 06:55	3.27	216.04	2.77
2017/02/09 07:10	3.34	255.00	3.18
2017/02/09 07:25	3.86	326.04	3.33
2017/02/09 07:40	3.89	329.30	3.33
2017/02/09 07:55	4.12	365.55	3.41
2017/02/09 08:10	4.37	396.73	3.42
2017/02/09 08:25	4.37	396.73	3.42
2017/02/09 08:40	4.33	387.57	3.38
2017/02/09 08:55	4.33	391.94	3.42
2017/02/09 09:10	4.16	367.43	3.38
2017/02/09 09:25	4.07	351.87	3.34
2017/02/09 09:40	4.07	351.87	3.34
2017/02/09 09:55	4.02	346.94	3.34
2017/02/09 10:10	4.01	317.29	3.07
2017/02/09 10:25	3.91	306.80	3.07
2017/02/09 10:40	3.91	306.80	3.07
2017/02/09 10:55	3.87	302.29	3.07
2017/02/09 11:10	3.84	307.92	3.16
2017/02/09 11:25	3.84	309.30	3.18
2017/02/09 11:40	3.84	309.30	3.18
2017/02/09 11:55	3.80	304.65	3.18

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 12:10	3.84	305.55	3.14
2017/02/09 12:25	3.84	291.32	2.99
2017/02/09 12:40	3.76	271.80	2.88
2017/02/09 12:55	3.76	271.80	2.88
2017/02/09 13:10	3.76	270.62	2.86
2017/02/09 13:25	3.76	271.80	2.88
2017/02/09 13:40	3.76	270.62	2.86
2017/02/09 13:55	3.65	259.65	2.86
2017/02/09 14:10	3.65	259.65	2.86
2017/02/09 14:25	3.55	248.89	2.85
2017/02/09 14:40	3.52	245.00	2.84
2017/02/09 14:55	3.52	246.18	2.85
2017/02/09 15:10	3.44	238.12	2.85
2017/02/09 15:25	3.44	238.12	2.85
2017/02/09 15:40	3.36	212.92	2.64
2017/02/09 15:55	3.50	243.54	2.85
2017/02/09 16:10	3.46	216.94	2.58
2017/02/09 16:25	3.46	216.94	2.58
2017/02/09 16:40	3.46	216.94	2.58
2017/02/09 16:55	3.47	217.08	2.57
2017/02/09 17:10	3.47	217.08	2.57
2017/02/09 17:25	3.51	226.25	2.63
2017/02/09 17:40	3.65	267.99	2.96
2017/02/09 17:55	3.65	268.12	2.96
2017/02/09 18:10	3.72	276.32	2.97
2017/02/09 18:25	3.65	269.17	2.97
2017/02/09 18:40	3.75	280.76	2.99
2017/02/09 18:55	3.86	303.19	3.10
2017/02/09 19:10	3.86	303.19	3.10
2017/02/09 19:25	3.94	312.22	3.10
2017/02/09 19:40	3.96	319.44	3.15
2017/02/09 19:55	3.96	319.44	3.15
2017/02/09 20:10	3.96	322.43	3.18
2017/02/09 20:25	3.96	322.43	3.18
2017/02/09 20:40	3.96	315.62	3.12
2017/02/09 20:55	3.96	292.92	2.89
2017/02/09 21:10	3.94	314.10	3.12
2017/02/09 21:25	3.93	312.57	3.12
2017/02/09 21:40	3.86	305.00	3.12
2017/02/09 21:55	3.79	279.79	2.93
2017/02/09 22:10	3.77	278.40	2.93
2017/02/09 22:25	3.64	256.67	2.85
2017/02/09 22:40	3.62	248.05	2.76
2017/02/09 22:55	3.27	214.79	2.76
2017/02/09 23:10	3.19	188.05	2.50

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 23:25	3.11	175.42	2.42
2017/02/09 23:40	2.97	161.39	2.38
2017/02/09 23:55	2.89	150.97	2.31
2017/02/10 00:10	2.75	140.00	2.30
2017/02/10 00:25	2.51	123.19	2.30
2017/02/10 00:40	2.33	109.44	2.27
2017/02/10 00:55	2.18	100.49	2.30
2017/02/10 01:10	2.08	92.99	2.27
2017/02/10 01:25	2.03	89.37	2.27
2017/02/10 01:40	1.87	76.04	2.17
2017/02/10 01:55	1.83	73.47	2.16
2017/02/10 02:10	1.78	70.14	2.16
2017/02/10 02:25	1.71	65.21	2.13
2017/02/10 02:40	1.69	64.44	2.13
2017/02/10 02:55	1.69	63.89	2.11
2017/02/10 03:10	1.62	60.62	2.13
2017/02/10 03:25	1.59	59.17	2.13
2017/02/10 03:40	1.58	56.53	2.06
2017/02/10 03:55	1.58	56.32	2.05
2017/02/10 04:10	1.58	56.32	2.05
2017/02/10 04:25	1.59	57.01	2.05
2017/02/10 04:40	1.65	60.14	2.06
2017/02/10 04:55	1.71	65.56	2.14
2017/02/10 05:10	1.75	67.92	2.14
2017/02/10 05:25	1.86	74.86	2.16
2017/02/10 05:40	1.93	78.96	2.16
2017/02/10 05:55	2.01	91.81	2.36
2017/02/10 06:10	2.23	110.07	2.43
2017/02/10 06:25	2.47	135.62	2.59
2017/02/10 06:40	2.57	145.49	2.63
2017/02/10 06:55	2.97	192.29	2.83
2017/02/10 07:10	3.18	225.69	3.02
2017/02/10 07:25	3.77	286.80	3.02
2017/02/10 07:40	4.12	323.68	3.02
2017/02/10 07:55	4.29	371.11	3.28
2017/02/10 08:10	4.29	371.11	3.28
2017/02/10 08:25	4.29	379.10	3.35
2017/02/10 08:40	4.21	378.68	3.44
2017/02/10 08:55	4.21	383.05	3.48
2017/02/10 09:10	4.21	383.05	3.48
2017/02/10 09:25	4.21	378.68	3.44
2017/02/10 09:40	4.19	361.25	3.29
2017/02/10 09:55	4.19	352.01	3.21
2017/02/10 10:10	4.18	350.42	3.21
2017/02/10 10:25	4.04	330.00	3.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 10:40	4.04	329.72	3.16
2017/02/10 10:55	3.97	320.42	3.15
2017/02/10 11:10	3.96	318.82	3.15
2017/02/10 11:25	3.87	309.65	3.15
2017/02/10 11:40	3.87	309.65	3.15
2017/02/10 11:55	3.97	325.49	3.20
2017/02/10 12:10	3.86	313.05	3.20
2017/02/10 12:25	3.86	313.05	3.20
2017/02/10 12:40	3.86	303.61	3.10
2017/02/10 12:55	3.76	281.32	2.98
2017/02/10 13:10	3.76	280.00	2.96
2017/02/10 13:25	3.76	272.85	2.89
2017/02/10 13:40	3.71	267.29	2.89
2017/02/10 13:55	3.68	255.14	2.78
2017/02/10 14:10	3.68	264.51	2.89
2017/02/10 14:25	3.65	261.74	2.89
2017/02/10 14:40	3.62	258.40	2.88
2017/02/10 14:55	3.61	241.11	2.70
2017/02/10 15:10	3.58	238.54	2.70
2017/02/10 15:25	3.58	238.54	2.70
2017/02/10 15:40	3.58	238.54	2.70
2017/02/10 15:55	3.58	249.86	2.83
2017/02/10 16:10	3.59	266.39	3.00
2017/02/10 16:25	3.69	276.39	3.00
2017/02/10 16:40	3.69	279.93	3.04
2017/02/10 16:55	3.68	280.83	3.07
2017/02/10 17:10	3.69	282.29	3.07
2017/02/10 17:25	3.68	281.67	3.07
2017/02/10 17:40	3.68	285.49	3.12
2017/02/10 17:55	3.73	297.71	3.18
2017/02/10 18:10	3.73	297.71	3.18
2017/02/10 18:25	3.68	291.87	3.19
2017/02/10 18:40	3.73	299.17	3.20
2017/02/10 18:55	3.73	306.60	3.28
2017/02/10 19:10	4.14	363.89	3.38
2017/02/10 19:25	4.25	377.29	3.38
2017/02/10 19:40	4.25	377.29	3.38
2017/02/10 19:55	4.25	356.04	3.19
2017/02/10 20:10	4.14	343.40	3.19
2017/02/10 20:25	4.07	335.35	3.19
2017/02/10 20:40	4.00	327.57	3.19
2017/02/10 20:55	3.97	324.44	3.19
2017/02/10 21:10	3.87	313.54	3.19
2017/02/10 21:25	3.77	285.35	3.00
2017/02/10 21:40	3.69	276.39	3.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 21:55	3.61	261.67	2.93
2017/02/10 22:10	3.39	239.51	2.93
2017/02/10 22:25	3.36	215.69	2.67
2017/02/10 22:40	3.11	188.12	2.60
2017/02/10 22:55	3.11	180.83	2.50
2017/02/10 23:10	3.05	173.33	2.45
2017/02/10 23:25	3.05	173.33	2.45
2017/02/10 23:40	2.82	146.67	2.33
2017/02/10 23:55	2.82	143.12	2.27
2017/02/11 00:10	2.71	135.21	2.27
2017/02/11 00:25	2.69	134.24	2.27
2017/02/11 00:40	2.50	120.62	2.27
2017/02/11 00:55	2.43	115.83	2.27
2017/02/11 01:10	2.29	102.57	2.19
2017/02/11 01:25	2.29	101.11	2.16
2017/02/11 01:40	1.93	78.40	2.14
2017/02/11 01:55	1.80	69.51	2.09
2017/02/11 02:10	1.78	67.99	2.09
2017/02/11 02:25	1.72	64.93	2.09
2017/02/11 02:40	1.72	65.56	2.11
2017/02/11 02:55	1.69	64.72	2.13
2017/02/11 03:10	1.69	64.72	2.13
2017/02/11 03:25	1.66	63.19	2.13
2017/02/11 03:40	1.66	61.60	2.08
2017/02/11 03:55	1.65	59.37	2.03
2017/02/11 04:10	1.62	57.01	2.00
2017/02/11 04:25	1.59	56.53	2.03
2017/02/11 04:40	1.59	55.69	2.00
2017/02/11 04:55	1.64	57.85	2.00
2017/02/11 05:10	1.64	57.85	2.00
2017/02/11 05:25	1.69	61.87	2.04
2017/02/11 05:40	1.75	68.26	2.15
2017/02/11 05:55	1.82	73.82	2.20
2017/02/11 06:10	1.93	80.49	2.20
2017/02/11 06:25	2.00	84.72	2.20
2017/02/11 06:40	2.04	89.37	2.25
2017/02/11 06:55	2.21	106.81	2.40
2017/02/11 07:10	2.26	110.69	2.40
2017/02/11 07:25	2.59	136.60	2.44
2017/02/11 07:40	2.71	145.00	2.44
2017/02/11 07:55	3.02	177.29	2.54
2017/02/11 08:10	3.40	209.44	2.55
2017/02/11 08:25	3.71	259.65	2.80
2017/02/11 08:40	3.79	282.01	2.95
2017/02/11 08:55	3.96	300.28	2.96

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 09:10	4.05	334.10	3.19
2017/02/11 09:25	4.09	356.67	3.36
2017/02/11 09:40	4.29	379.93	3.36
2017/02/11 09:55	4.30	382.98	3.37
2017/02/11 10:10	4.30	381.60	3.36
2017/02/11 10:25	4.34	388.05	3.37
2017/02/11 10:40	4.33	370.62	3.23
2017/02/11 10:55	4.33	370.62	3.23
2017/02/11 11:10	4.33	370.62	3.23
2017/02/11 11:25	4.33	370.62	3.23
2017/02/11 11:40	4.33	370.62	3.23
2017/02/11 11:55	4.33	390.69	3.41
2017/02/11 12:10	4.33	390.69	3.41
2017/02/11 12:25	4.23	367.01	3.30
2017/02/11 12:40	4.22	376.46	3.40
2017/02/11 12:55	4.16	358.82	3.30
2017/02/11 13:10	4.07	345.83	3.29
2017/02/11 13:25	4.07	345.83	3.29
2017/02/11 13:40	4.07	343.89	3.27
2017/02/11 13:55	4.07	341.60	3.25
2017/02/11 14:10	3.93	325.69	3.25
2017/02/11 14:25	3.93	315.49	3.14
2017/02/11 14:40	3.83	304.79	3.14
2017/02/11 14:55	3.83	303.75	3.13
2017/02/11 15:10	3.82	302.22	3.13
2017/02/11 15:25	3.82	292.50	3.03
2017/02/11 15:40	3.82	285.14	2.96
2017/02/11 15:55	3.76	276.74	2.93
2017/02/11 16:10	3.72	271.18	2.91
2017/02/11 16:25	3.72	271.18	2.91
2017/02/11 16:40	3.75	275.28	2.93
2017/02/11 16:55	3.75	278.89	2.97
2017/02/11 17:10	3.84	294.24	3.02
2017/02/11 17:25	3.84	294.58	3.02
2017/02/11 17:40	3.84	294.58	3.02
2017/02/11 17:55	3.96	306.32	3.02
2017/02/11 18:10	3.91	300.55	3.01
2017/02/11 18:25	3.82	275.90	2.86
2017/02/11 18:40	3.91	285.62	2.86
2017/02/11 18:55	3.94	288.40	2.86
2017/02/11 19:10	3.91	284.86	2.85
2017/02/11 19:25	3.76	269.65	2.85
2017/02/11 19:40	3.79	272.36	2.85
2017/02/11 19:55	3.73	266.87	2.85
2017/02/11 20:10	3.69	268.40	2.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 20:25	3.58	260.35	2.95
2017/02/11 20:40	3.58	260.35	2.95
2017/02/11 20:55	3.52	251.74	2.91
2017/02/11 21:10	3.51	218.12	2.54
2017/02/11 21:25	3.34	203.82	2.54
2017/02/11 21:40	3.34	203.82	2.54
2017/02/11 21:55	3.34	207.78	2.59
2017/02/11 22:10	3.34	208.96	2.60
2017/02/11 22:25	3.33	207.78	2.60
2017/02/11 22:40	3.26	200.55	2.59
2017/02/11 22:55	3.19	186.87	2.49
2017/02/11 23:10	3.16	179.86	2.42
2017/02/11 23:25	3.04	169.93	2.42
2017/02/11 23:40	3.02	160.76	2.31
2017/02/11 23:55	2.97	153.33	2.26
2017/02/12 00:10	2.84	144.24	2.26
2017/02/12 00:25	2.62	124.10	2.18
2017/02/12 00:40	2.62	124.10	2.18
2017/02/12 00:55	2.41	110.35	2.18
2017/02/12 01:10	2.32	104.03	2.18
2017/02/12 01:25	2.32	104.03	2.18
2017/02/12 01:40	2.11	90.90	2.18
2017/02/12 01:55	2.03	85.07	2.16
2017/02/12 02:10	2.00	81.87	2.12
2017/02/12 02:25	1.93	77.78	2.12
2017/02/12 02:40	1.87	69.86	1.99
2017/02/12 02:55	1.75	61.87	1.95
2017/02/12 03:10	1.71	59.72	1.95
2017/02/12 03:25	1.69	60.28	1.99
2017/02/12 03:40	1.69	63.61	2.10
2017/02/12 03:55	1.65	61.94	2.12
2017/02/12 04:10	1.62	60.42	2.12
2017/02/12 04:25	1.59	58.40	2.10
2017/02/12 04:40	1.59	56.25	2.02
2017/02/12 04:55	1.59	56.25	2.02
2017/02/12 05:10	1.64	58.40	2.02
2017/02/12 05:25	1.65	59.17	2.02
2017/02/12 05:40	1.66	59.86	2.02
2017/02/12 05:55	1.69	64.24	2.12
2017/02/12 06:10	1.69	64.24	2.12
2017/02/12 06:25	1.82	74.58	2.22
2017/02/12 06:40	1.86	77.08	2.22
2017/02/12 06:55	1.98	86.60	2.27
2017/02/12 07:10	2.23	103.40	2.28
2017/02/12 07:25	2.43	117.50	2.30

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 07:40	2.58	128.96	2.32
2017/02/12 07:55	2.97	180.07	2.65
2017/02/12 08:10	3.08	206.67	2.89
2017/02/12 08:25	3.50	256.04	3.00
2017/02/12 08:40	3.51	259.51	3.02
2017/02/12 08:55	3.68	276.80	3.02
2017/02/12 09:10	3.69	289.65	3.14
2017/02/12 09:25	3.94	317.01	3.14
2017/02/12 09:40	4.15	352.85	3.26
2017/02/12 09:55	4.19	367.57	3.35
2017/02/12 10:10	4.33	389.17	3.40
2017/02/12 10:25	4.34	385.90	3.35
2017/02/12 10:40	4.39	380.48	3.26
2017/02/12 10:55	4.40	397.64	3.40
2017/02/12 11:10	4.39	359.10	3.08
2017/02/12 11:25	4.34	354.51	3.08
2017/02/12 11:40	4.22	381.87	3.45
2017/02/12 11:55	4.19	378.47	3.45
2017/02/12 12:10	4.19	373.26	3.40
2017/02/12 12:25	4.16	369.93	3.40
2017/02/12 12:40	4.08	358.40	3.39
2017/02/12 12:55	4.08	350.83	3.32
2017/02/12 13:10	4.01	339.51	3.29
2017/02/12 13:25	4.01	339.51	3.29
2017/02/12 13:40	3.93	329.86	3.29
2017/02/12 13:55	3.89	324.93	3.29
2017/02/12 14:10	3.86	331.25	3.38
2017/02/12 14:25	3.86	331.25	3.38
2017/02/12 14:40	3.86	320.97	3.28
2017/02/12 14:55	3.86	306.18	3.13
2017/02/12 15:10	3.90	310.76	3.13
2017/02/12 15:25	3.90	310.62	3.13
2017/02/12 15:40	3.90	310.62	3.13
2017/02/12 15:55	3.90	310.62	3.13
2017/02/12 16:10	3.90	307.43	3.09
2017/02/12 16:25	3.90	307.43	3.09
2017/02/12 16:40	3.90	307.43	3.09
2017/02/12 16:55	3.94	311.94	3.09
2017/02/12 17:10	3.96	309.72	3.06
2017/02/12 17:25	3.96	316.87	3.13
2017/02/12 17:40	3.96	316.87	3.13
2017/02/12 17:55	3.97	318.40	3.13
2017/02/12 18:10	4.01	315.69	3.06
2017/02/12 18:25	4.01	314.30	3.04
2017/02/12 18:40	3.93	304.44	3.04

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 18:55	3.90	301.53	3.04
2017/02/12 19:10	3.90	301.53	3.04
2017/02/12 19:25	3.90	304.24	3.06
2017/02/12 19:40	3.90	321.94	3.24
2017/02/12 19:55	3.90	321.94	3.24
2017/02/12 20:10	3.82	295.28	3.06
2017/02/12 20:25	3.77	297.57	3.13
2017/02/12 20:40	3.75	283.33	3.01
2017/02/12 20:55	3.75	283.33	3.01
2017/02/12 21:10	3.73	281.87	3.01
2017/02/12 21:25	3.73	271.18	2.90
2017/02/12 21:40	3.66	261.87	2.87
2017/02/12 21:55	3.58	255.90	2.90
2017/02/12 22:10	3.46	237.08	2.82
2017/02/12 22:25	3.27	219.93	2.82
2017/02/12 22:40	3.23	210.97	2.76
2017/02/12 22:55	3.21	190.35	2.52
2017/02/12 23:10	3.07	177.01	2.49
2017/02/12 23:25	3.00	168.96	2.46
2017/02/12 23:40	2.75	145.62	2.39
2017/02/12 23:55	2.69	131.67	2.23
2017/02/13 00:10	2.68	130.69	2.23
2017/02/13 00:25	2.43	116.81	2.29
2017/02/13 00:40	2.29	107.36	2.29
2017/02/13 00:55	2.22	100.14	2.23
2017/02/13 01:10	2.04	88.68	2.23
2017/02/13 01:25	2.03	86.67	2.20
2017/02/13 01:40	1.93	79.65	2.17
2017/02/13 01:55	1.82	72.92	2.17
2017/02/13 02:10	1.79	69.17	2.10
2017/02/13 02:25	1.69	62.01	2.05
2017/02/13 02:40	1.59	56.87	2.05
2017/02/13 02:55	1.58	55.90	2.04
2017/02/13 03:10	1.55	54.51	2.04
2017/02/13 03:25	1.55	55.07	2.06
2017/02/13 03:40	1.57	56.74	2.09
2017/02/13 03:55	1.57	57.43	2.12
2017/02/13 04:10	1.57	58.12	2.15
2017/02/13 04:25	1.59	61.04	2.19
2017/02/13 04:40	1.64	63.33	2.19
2017/02/13 04:55	1.65	64.24	2.20
2017/02/13 05:10	1.72	68.26	2.20
2017/02/13 05:25	1.72	69.44	2.24
2017/02/13 05:40	1.86	79.58	2.29
2017/02/13 05:55	1.98	88.12	2.31

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 06:10	2.15	100.90	2.35
2017/02/13 06:25	2.40	122.29	2.44
2017/02/13 06:40	2.78	153.89	2.49
2017/02/13 06:55	3.05	195.21	2.76
2017/02/13 07:10	3.51	240.42	2.80
2017/02/13 07:25	3.52	253.96	2.94
2017/02/13 07:40	3.97	334.37	3.29
2017/02/13 07:55	3.98	335.97	3.29
2017/02/13 08:10	4.19	369.79	3.37
2017/02/13 08:25	4.19	362.43	3.31
2017/02/13 08:40	4.19	362.43	3.31
2017/02/13 08:55	4.19	361.39	3.30
2017/02/13 09:10	4.09	350.00	3.30
2017/02/13 09:25	4.08	348.40	3.30
2017/02/13 09:40	4.08	348.40	3.30
2017/02/13 09:55	4.08	342.43	3.24
2017/02/13 10:10	4.00	348.26	3.39
2017/02/13 10:25	4.00	348.26	3.39
2017/02/13 10:40	4.11	364.51	3.42
2017/02/13 10:55	4.11	343.47	3.22
2017/02/13 11:10	4.00	341.32	3.32
2017/02/13 11:25	3.93	322.99	3.22
2017/02/13 11:40	3.79	307.36	3.22
2017/02/13 11:55	3.79	307.36	3.22
2017/02/13 12:10	3.79	285.07	2.99
2017/02/13 12:25	3.79	269.65	2.82
2017/02/13 12:40	3.79	269.65	2.82
2017/02/13 12:55	3.79	272.71	2.86
2017/02/13 13:10	3.71	257.92	2.79
2017/02/13 13:25	3.68	254.58	2.78
2017/02/13 13:40	3.68	257.08	2.81
2017/02/13 13:55	3.51	241.04	2.81
2017/02/13 14:10	3.50	237.36	2.78
2017/02/13 14:25	3.47	237.08	2.81
2017/02/13 14:40	3.50	239.72	2.81
2017/02/13 14:55	3.51	238.68	2.78
2017/02/13 15:10	3.47	234.79	2.78
2017/02/13 15:25	3.52	247.92	2.87
2017/02/13 15:40	3.52	241.18	2.79
2017/02/13 15:55	3.52	241.18	2.79
2017/02/13 16:10	3.52	241.18	2.79
2017/02/13 16:25	3.52	241.18	2.79
2017/02/13 16:40	3.46	229.58	2.73
2017/02/13 16:55	3.46	226.18	2.69
2017/02/13 17:10	3.46	229.58	2.73

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 17:25	3.46	236.25	2.81
2017/02/13 17:40	3.47	240.42	2.85
2017/02/13 17:55	3.47	240.42	2.85
2017/02/13 18:10	3.54	257.78	2.97
2017/02/13 18:25	3.64	267.64	2.97
2017/02/13 18:40	3.75	282.29	3.00
2017/02/13 18:55	3.86	293.96	3.00
2017/02/13 19:10	3.90	298.33	3.00
2017/02/13 19:25	3.91	308.75	3.09
2017/02/13 19:40	4.00	317.85	3.09
2017/02/13 19:55	4.02	303.89	2.93
2017/02/13 20:10	4.05	326.46	3.12
2017/02/13 20:25	4.05	326.46	3.12
2017/02/13 20:40	4.05	326.46	3.12
2017/02/13 20:55	4.11	332.57	3.12
2017/02/13 21:10	4.14	336.46	3.13
2017/02/13 21:25	4.05	327.22	3.13
2017/02/13 21:40	4.05	327.22	3.13
2017/02/13 21:55	3.75	276.18	2.94
2017/02/13 22:10	3.68	265.62	2.90
2017/02/13 22:25	3.66	264.24	2.90
2017/02/13 22:40	3.59	251.74	2.84
2017/02/13 22:55	3.26	203.47	2.63
2017/02/13 23:10	3.19	194.37	2.58
2017/02/13 23:25	3.09	179.93	2.50
2017/02/13 23:40	2.96	168.47	2.50
2017/02/13 23:55	2.82	156.04	2.48
2017/02/14 00:10	2.73	144.51	2.39
2017/02/14 00:25	2.48	123.75	2.35
2017/02/14 00:40	2.29	105.56	2.25
2017/02/14 00:55	2.19	95.14	2.16
2017/02/14 01:10	1.98	81.87	2.15
2017/02/14 01:25	1.96	80.21	2.15
2017/02/14 01:40	1.86	74.93	2.16
2017/02/14 01:55	1.86	74.93	2.16
2017/02/14 02:10	1.82	72.50	2.16
2017/02/14 02:25	1.76	69.93	2.18
2017/02/14 02:40	1.66	64.44	2.18
2017/02/14 02:55	1.66	61.74	2.09
2017/02/14 03:10	1.66	61.74	2.09
2017/02/14 03:25	1.55	55.83	2.09
2017/02/14 03:40	1.55	55.83	2.09
2017/02/14 03:55	1.55	56.74	2.12
2017/02/14 04:10	1.57	58.06	2.14
2017/02/14 04:25	1.61	59.65	2.12

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 04:40	1.62	60.42	2.12
2017/02/14 04:55	1.66	63.40	2.14
2017/02/14 05:10	1.69	63.40	2.09
2017/02/14 05:25	1.76	67.22	2.09
2017/02/14 05:40	1.82	75.69	2.25
2017/02/14 05:55	2.05	91.04	2.27
2017/02/14 06:10	2.57	128.33	2.32
2017/02/14 06:25	2.64	133.96	2.33
2017/02/14 06:40	2.89	155.90	2.39
2017/02/14 06:55	3.15	220.62	2.99
2017/02/14 07:10	3.39	244.17	2.99
2017/02/14 07:25	4.00	335.69	3.27
2017/02/14 07:40	4.15	379.10	3.51
2017/02/14 07:55	4.33	401.73	3.51
2017/02/14 08:10	4.33	380.76	3.32
2017/02/14 08:25	4.33	380.76	3.32
2017/02/14 08:40	4.33	380.76	3.32
2017/02/14 08:55	4.27	374.17	3.32
2017/02/14 09:10	4.19	368.61	3.36
2017/02/14 09:25	4.19	368.61	3.36
2017/02/14 09:40	4.18	366.94	3.36
2017/02/14 09:55	4.15	344.79	3.19
2017/02/14 10:10	4.09	326.32	3.07
2017/02/14 10:25	4.04	312.64	3.00
2017/02/14 10:40	3.97	305.35	3.00
2017/02/14 10:55	3.97	305.35	3.00
2017/02/14 11:10	3.96	311.25	3.07
2017/02/14 11:25	3.91	296.25	2.97
2017/02/14 11:40	3.84	289.03	2.97
2017/02/14 11:55	3.91	308.75	3.09
2017/02/14 12:10	3.84	289.03	2.97
2017/02/14 12:25	3.77	281.87	2.97
2017/02/14 12:40	3.77	283.19	2.98
2017/02/14 12:55	3.73	278.89	2.98
2017/02/14 13:10	3.73	278.89	2.98
2017/02/14 13:25	3.73	281.32	3.01
2017/02/14 13:40	3.73	281.32	3.01
2017/02/14 13:55	3.68	270.49	2.95
2017/02/14 14:10	3.54	256.46	2.95
2017/02/14 14:25	3.51	247.22	2.88
2017/02/14 14:40	3.51	242.64	2.82
2017/02/14 14:55	3.46	240.14	2.86
2017/02/14 15:10	3.43	234.65	2.82
2017/02/14 15:25	3.43	219.58	2.64
2017/02/14 15:40	3.41	218.33	2.64

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 15:55	3.41	218.33	2.64
2017/02/14 16:10	3.39	215.83	2.64
2017/02/14 16:25	3.41	212.15	2.57
2017/02/14 16:40	3.48	234.17	2.76
2017/02/14 16:55	3.48	236.46	2.78
2017/02/14 17:10	3.55	252.08	2.89
2017/02/14 17:25	3.55	256.25	2.93
2017/02/14 17:40	3.55	256.25	2.93
2017/02/14 17:55	3.46	244.37	2.91
2017/02/14 18:10	3.46	244.37	2.91
2017/02/14 18:25	3.46	244.37	2.91
2017/02/14 18:40	3.46	232.57	2.77
2017/02/14 18:55	3.82	266.94	2.77
2017/02/14 19:10	3.89	275.55	2.79
2017/02/14 19:25	3.93	299.72	2.99
2017/02/14 19:40	3.93	279.65	2.79
2017/02/14 19:55	3.93	299.72	2.99
2017/02/14 20:10	3.93	309.37	3.08
2017/02/14 20:25	3.93	306.46	3.05
2017/02/14 20:40	3.93	312.85	3.12
2017/02/14 20:55	3.93	312.85	3.12
2017/02/14 21:10	3.89	302.57	3.06
2017/02/14 21:25	3.79	291.60	3.05
2017/02/14 21:40	3.79	281.60	2.95
2017/02/14 21:55	3.55	246.53	2.82
2017/02/14 22:10	3.51	234.93	2.73
2017/02/14 22:25	3.47	229.24	2.71
2017/02/14 22:40	3.30	211.46	2.68
2017/02/14 22:55	3.26	206.94	2.67
2017/02/14 23:10	3.22	203.26	2.67
2017/02/14 23:25	3.09	186.87	2.60
2017/02/14 23:40	2.82	155.56	2.47
2017/02/14 23:55	2.59	134.65	2.40
2017/02/15 00:10	2.58	129.44	2.33
2017/02/15 00:25	2.47	116.81	2.23
2017/02/15 00:40	2.39	111.04	2.23
2017/02/15 00:55	2.18	97.08	2.22
2017/02/15 01:10	2.08	90.35	2.21
2017/02/15 01:25	1.89	76.53	2.16
2017/02/15 01:40	1.84	73.26	2.13
2017/02/15 01:55	1.78	69.31	2.13
2017/02/15 02:10	1.69	65.35	2.16
2017/02/15 02:25	1.68	65.00	2.17
2017/02/15 02:40	1.66	64.24	2.17
2017/02/15 02:55	1.62	61.94	2.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 03:10	1.62	61.94	2.17
2017/02/15 03:25	1.59	60.35	2.17
2017/02/15 03:40	1.59	60.14	2.16
2017/02/15 03:55	1.55	57.85	2.16
2017/02/15 04:10	1.55	58.06	2.17
2017/02/15 04:25	1.61	60.90	2.16
2017/02/15 04:40	1.62	60.42	2.12
2017/02/15 04:55	1.64	61.18	2.12
2017/02/15 05:10	1.73	68.68	2.19
2017/02/15 05:25	1.78	70.62	2.17
2017/02/15 05:40	1.87	80.28	2.29
2017/02/15 05:55	2.07	93.33	2.30
2017/02/15 06:10	2.55	133.47	2.44
2017/02/15 06:25	2.73	155.00	2.57
2017/02/15 06:40	2.82	165.76	2.63
2017/02/15 06:55	3.18	213.12	2.85
2017/02/15 07:10	3.47	266.46	3.15
2017/02/15 07:25	3.76	310.62	3.29
2017/02/15 07:40	4.00	362.98	3.53
2017/02/15 07:55	4.39	411.94	3.53
2017/02/15 08:10	4.39	411.94	3.53
2017/02/15 08:25	4.39	398.40	3.42
2017/02/15 08:40	4.29	384.93	3.40
2017/02/15 08:55	4.29	384.93	3.40
2017/02/15 09:10	4.29	382.50	3.38
2017/02/15 09:25	4.23	379.72	3.42
2017/02/15 09:40	4.23	377.15	3.39
2017/02/15 09:55	4.23	377.15	3.39
2017/02/15 10:10	4.23	374.10	3.37
2017/02/15 10:25	4.22	375.48	3.39
2017/02/15 10:40	4.21	373.82	3.39
2017/02/15 10:55	4.16	365.76	3.37
2017/02/15 11:10	4.16	363.47	3.34
2017/02/15 11:25	3.89	307.43	3.11
2017/02/15 11:40	3.89	307.43	3.11
2017/02/15 11:55	3.79	276.32	2.89
2017/02/15 12:10	3.69	265.35	2.88
2017/02/15 12:25	3.68	265.21	2.89
2017/02/15 12:40	3.54	251.39	2.89
2017/02/15 12:55	3.52	245.00	2.84
2017/02/15 13:10	3.52	236.87	2.74
2017/02/15 13:25	3.52	236.87	2.74
2017/02/15 13:40	3.47	231.67	2.74
2017/02/15 13:55	3.46	230.42	2.74
2017/02/15 14:10	3.46	230.42	2.74

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 14:25	3.44	226.80	2.71
2017/02/15 14:40	3.43	225.55	2.71
2017/02/15 14:55	3.41	221.11	2.68
2017/02/15 15:10	3.41	221.11	2.68
2017/02/15 15:25	3.41	221.11	2.68
2017/02/15 15:40	3.41	220.21	2.67
2017/02/15 15:55	3.37	216.46	2.67
2017/02/15 16:10	3.37	211.04	2.60
2017/02/15 16:25	3.37	211.04	2.60
2017/02/15 16:40	3.41	218.33	2.64
2017/02/15 16:55	3.37	216.94	2.67
2017/02/15 17:10	3.41	225.90	2.73
2017/02/15 17:25	3.46	235.49	2.80
2017/02/15 17:40	3.46	235.49	2.80
2017/02/15 17:55	3.46	234.24	2.79
2017/02/15 18:10	3.47	236.80	2.80
2017/02/15 18:25	3.47	240.07	2.84
2017/02/15 18:40	3.51	244.10	2.84
2017/02/15 18:55	3.77	283.75	2.99
2017/02/15 19:10	3.91	302.99	3.04
2017/02/15 19:25	3.93	314.24	3.13
2017/02/15 19:40	3.93	316.25	3.15
2017/02/15 19:55	3.96	326.25	3.22
2017/02/15 20:10	3.96	319.30	3.15
2017/02/15 20:25	3.96	317.29	3.13
2017/02/15 20:40	3.96	319.30	3.15
2017/02/15 20:55	3.96	311.25	3.07
2017/02/15 21:10	3.94	308.26	3.06
2017/02/15 21:25	3.91	295.07	2.96
2017/02/15 21:40	3.89	291.25	2.95
2017/02/15 21:55	3.75	267.57	2.85
2017/02/15 22:10	3.71	263.47	2.85
2017/02/15 22:25	3.71	255.00	2.75
2017/02/15 22:40	3.71	254.51	2.75
2017/02/15 22:55	3.51	235.97	2.75
2017/02/15 23:10	3.34	216.94	2.70
2017/02/15 23:25	3.07	185.14	2.60
2017/02/15 23:40	2.97	160.69	2.37
2017/02/15 23:55	2.82	149.10	2.37
2017/02/16 00:10	2.68	141.53	2.41
2017/02/16 00:25	2.51	126.60	2.36
2017/02/16 00:40	2.28	109.86	2.36
2017/02/16 00:55	2.22	106.04	2.36
2017/02/16 01:10	2.11	92.64	2.22
2017/02/16 01:25	1.89	78.33	2.21

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 01:40	1.87	77.01	2.19
2017/02/16 01:55	1.84	75.28	2.19
2017/02/16 02:10	1.79	68.26	2.08
2017/02/16 02:25	1.78	65.28	2.01
2017/02/16 02:40	1.75	60.90	1.92
2017/02/16 02:55	1.72	59.44	1.92
2017/02/16 03:10	1.68	59.03	1.97
2017/02/16 03:25	1.65	57.22	1.96
2017/02/16 03:40	1.65	57.57	1.97
2017/02/16 03:55	1.64	56.87	1.97
2017/02/16 04:10	1.65	57.57	1.97
2017/02/16 04:25	1.65	59.93	2.05
2017/02/16 04:40	1.66	65.76	2.22
2017/02/16 04:55	1.71	68.12	2.22
2017/02/16 05:10	1.73	71.81	2.29
2017/02/16 05:25	1.82	76.87	2.29
2017/02/16 05:40	1.90	82.78	2.31
2017/02/16 05:55	2.22	107.71	2.40
2017/02/16 06:10	2.41	122.50	2.42
2017/02/16 06:25	2.59	140.56	2.51
2017/02/16 06:40	2.96	190.90	2.83
2017/02/16 06:55	3.15	218.61	2.96
2017/02/16 07:10	3.47	267.50	3.17
2017/02/16 07:25	3.71	296.80	3.21
2017/02/16 07:40	4.14	353.40	3.28
2017/02/16 07:55	4.26	385.14	3.43
2017/02/16 08:10	4.26	385.14	3.43
2017/02/16 08:25	4.33	376.18	3.28
2017/02/16 08:40	4.34	395.42	3.43
2017/02/16 08:55	4.26	382.43	3.41
2017/02/16 09:10	4.19	366.73	3.34
2017/02/16 09:25	4.19	366.73	3.34
2017/02/16 09:40	4.18	365.07	3.34
2017/02/16 09:55	4.07	351.87	3.34
2017/02/16 10:10	4.07	326.04	3.10
2017/02/16 10:25	3.98	316.94	3.10
2017/02/16 10:40	3.97	328.96	3.23
2017/02/16 10:55	3.96	327.36	3.23
2017/02/16 11:10	3.84	299.58	3.08
2017/02/16 11:25	3.96	312.50	3.09
2017/02/16 11:40	3.84	299.58	3.08
2017/02/16 11:55	3.84	296.04	3.04
2017/02/16 12:10	3.84	289.51	2.97
2017/02/16 12:25	3.82	293.12	3.04
2017/02/16 12:40	3.82	289.58	3.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 12:55	3.75	282.29	3.00
2017/02/16 13:10	3.71	282.22	3.05
2017/02/16 13:25	3.71	282.22	3.05
2017/02/16 13:40	3.71	277.99	3.00
2017/02/16 13:55	3.68	271.32	2.96
2017/02/16 14:10	3.64	245.62	2.72
2017/02/16 14:25	3.58	240.42	2.72
2017/02/16 14:40	3.58	240.69	2.73
2017/02/16 14:55	3.58	249.72	2.83
2017/02/16 15:10	3.58	249.72	2.83
2017/02/16 15:25	3.57	248.40	2.83
2017/02/16 15:40	3.57	248.40	2.83
2017/02/16 15:55	3.57	248.40	2.83
2017/02/16 16:10	3.46	231.39	2.75
2017/02/16 16:25	3.46	229.86	2.74
2017/02/16 16:40	3.36	220.90	2.74
2017/02/16 16:55	3.36	222.36	2.75
2017/02/16 17:10	3.36	226.60	2.81
2017/02/16 17:25	3.50	240.28	2.81
2017/02/16 17:40	3.59	253.12	2.85
2017/02/16 17:55	3.65	261.32	2.88
2017/02/16 18:10	3.61	257.22	2.88
2017/02/16 18:25	3.65	261.32	2.88
2017/02/16 18:40	3.66	262.71	2.88
2017/02/16 18:55	3.75	270.97	2.88
2017/02/16 19:10	3.76	273.96	2.90
2017/02/16 19:25	3.77	283.75	2.99
2017/02/16 19:40	3.83	297.50	3.07
2017/02/16 19:55	3.83	297.85	3.07
2017/02/16 20:10	3.89	321.11	3.25
2017/02/16 20:25	3.89	321.11	3.25
2017/02/16 20:40	3.89	319.03	3.23
2017/02/16 20:55	3.77	306.53	3.23
2017/02/16 21:10	3.77	306.53	3.23
2017/02/16 21:25	3.77	277.36	2.92
2017/02/16 21:40	3.77	277.36	2.92
2017/02/16 21:55	3.77	277.36	2.92
2017/02/16 22:10	3.77	277.36	2.92
2017/02/16 22:25	3.61	243.68	2.73
2017/02/16 22:40	3.54	235.62	2.71
2017/02/16 22:55	3.29	212.78	2.71
2017/02/16 23:10	3.26	205.14	2.65
2017/02/16 23:25	3.22	201.46	2.65
2017/02/16 23:40	3.05	185.28	2.62
2017/02/16 23:55	2.73	149.17	2.47

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 00:10	2.72	147.50	2.46
2017/02/17 00:25	2.46	111.81	2.16
2017/02/17 00:40	2.44	110.90	2.16
2017/02/17 00:55	2.41	107.92	2.13
2017/02/17 01:10	2.37	106.46	2.16
2017/02/17 01:25	2.12	90.69	2.16
2017/02/17 01:40	2.00	82.15	2.13
2017/02/17 01:55	1.83	71.53	2.11
2017/02/17 02:10	1.73	66.11	2.11
2017/02/17 02:25	1.72	65.35	2.11
2017/02/17 02:40	1.72	65.35	2.11
2017/02/17 02:55	1.72	67.22	2.17
2017/02/17 03:10	1.72	68.33	2.20
2017/02/17 03:25	1.68	65.97	2.20
2017/02/17 03:40	1.72	67.22	2.17
2017/02/17 03:55	1.66	64.10	2.17
2017/02/17 04:10	1.66	63.54	2.15
2017/02/17 04:25	1.66	59.86	2.02
2017/02/17 04:40	1.72	62.78	2.02
2017/02/17 04:55	1.72	62.78	2.02
2017/02/17 05:10	1.72	64.24	2.07
2017/02/17 05:25	1.87	74.17	2.11
2017/02/17 05:40	1.97	81.60	2.16
2017/02/17 05:55	1.98	83.19	2.18
2017/02/17 06:10	2.36	109.58	2.24
2017/02/17 06:25	2.65	138.75	2.40
2017/02/17 06:40	2.79	157.29	2.53
2017/02/17 06:55	3.00	174.65	2.54
2017/02/17 07:10	3.33	213.75	2.68
2017/02/17 07:25	3.47	278.19	3.29
2017/02/17 07:40	3.86	322.29	3.29
2017/02/17 07:55	3.87	324.79	3.30
2017/02/17 08:10	4.19	388.19	3.54
2017/02/17 08:25	4.23	393.40	3.54
2017/02/17 08:40	4.36	403.82	3.49
2017/02/17 08:55	4.36	403.82	3.49
2017/02/17 09:10	4.36	387.57	3.35
2017/02/17 09:25	4.32	382.57	3.35
2017/02/17 09:40	4.15	362.64	3.35
2017/02/17 09:55	4.15	371.87	3.44



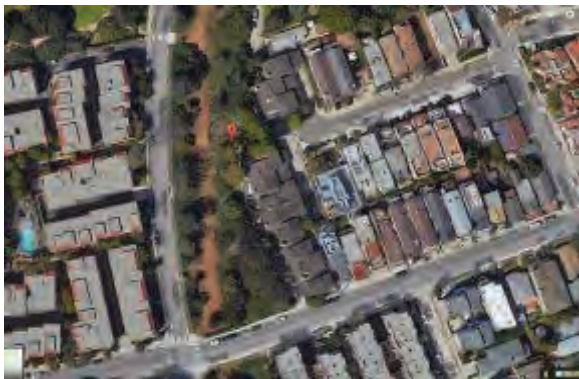
David Evans	~200 Valley Dr
2017.01-02 Site 5 Valley Dr MH	Manhole No. 0241

Access:
Manhole in green space between
Valley Dr & 3rd St

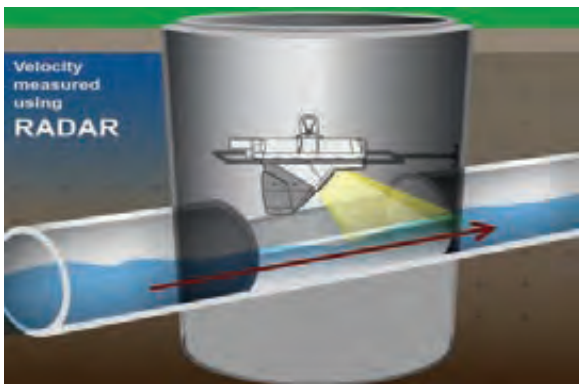
System Type:
Sanitary Storm

Install Date: 1/19/2017

Map



Technology



Sewer Plan



Flow Meter

Meter Depth: 85"		
Map Coordinates: 33.856401, -118.394364		
Turbulent open channel hydraulics due to quantity of inflow from upstream lines.		
Avg Velocity	Avg Measured Level	Multiplier
1.75 fps	4.5"	1

Gas

O2	H2S	CO	LEL
20.9	0	0	0

Notes

Better hydraulics in monitored MH than in the downstream MH.

Traffic Safety

No traffic near MH during installation or removal.

Land Use

Residential	Commercial	Industrial	Trunk
X	X		

Manhole Depth	99"
Monitored Pipe Size	8"
Inner Pipe Size (In/Out)	8"/8"
Pipe Shape	Round
Pipe Condition	Fair
Manhole Material	Concrete
Silt	0
Velocity Profile Data	*
Velocity Profile Taken	0.4 2-D
Sensor Offset	13.81"
Sensor Dist. to Crown	5.81"
Sensor Direction	Downstream
Flow Heading	West



Meter Site Document

David Evans

2017.01-02 Site 5 Valley Dr MH

~200 Valley Dr

Site



Manhole Hydraulics



Installation Process



Installed



MH C0240





Utility Systems Science and Software

Report Date: 02/20/2017
 Customer: David Evans
 Group: Hermosa Beach
 SiteID: 2638

Statistics for 2017.01-02 Site 5 Valley Dr MH: 01/20/2017 thru 02/16/2017

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
1/20/17	124.20	271.32	48.68	0.18	0.39	0.07	1.26	2.10	0.62	4.72	6.57	3.47	178,844	1.29
1/21/17	118.90	240.62	53.89	0.17	0.35	0.08	1.22	2.07	0.84	4.66	5.62	3.39	171,211	
1/22/17	145.34	360.97	63.89	0.21	0.52	0.09	1.31	2.66	0.77	5.14	7.76	3.71	209,289	3.72
Week:	129.48	360.97	48.68	0.19	0.52	0.07	1.26	2.66	0.62	4.84	7.76	3.39	559,344	5.01
1/23/17	113.07	199.93	44.58	0.16	0.29	0.06	1.13	1.70	0.58	4.81	5.70	3.57	162,816	0.13
1/24/17	109.68	206.32	66.46	0.16	0.30	0.10	1.13	1.79	0.80	4.75	5.64	3.50	157,941	
1/25/17	137.05	220.76	78.68	0.20	0.32	0.11	1.30	2.74	0.87	5.18	6.12	4.00	197,346	
1/26/17	115.54	206.53	63.61	0.17	0.30	0.09	1.16	2.53	0.65	4.86	5.97	4.14	166,381	
1/27/17	107.61	204.03	59.03	0.16	0.29	0.09	1.15	1.85	0.76	4.57	5.36	3.39	154,957	
1/28/17	112.54	169.72	55.90	0.16	0.24	0.08	1.23	1.98	0.81	4.52	5.26	3.26	162,051	
1/29/17	114.77	203.82	70.49	0.17	0.29	0.10	1.22	1.88	0.84	4.59	5.26	3.50	165,271	
Week:	115.75	220.76	44.58	0.17	0.32	0.06	1.19	2.74	0.58	4.75	6.12	3.26	1,166,763	0.13
1/30/17	112.67	191.04	60.28	0.16	0.28	0.09	1.22	1.68	0.78	4.52	5.46	3.29	162,241	
1/31/17	106.06	194.44	61.67	0.15	0.28	0.09	1.11	1.77	0.82	4.69	5.44	3.59	152,732	
2/1/17	115.51	202.64	64.03	0.17	0.29	0.09	1.19	1.72	0.70	4.72	5.64	3.44	166,334	
2/2/17	107.51	219.17	66.74	0.15	0.32	0.10	1.10	1.88	0.66	4.76	5.58	3.62	154,820	
2/3/17	119.05	208.05	57.50	0.17	0.30	0.08	1.31	2.00	0.78	4.53	5.43	3.16	171,429	0.39

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/4/17	110.72	193.33	40.90	0.16	0.28	0.06	1.18	1.73	0.63	4.52	5.39	3.16	159,437	
2/5/17	119.81	189.03	68.75	0.17	0.27	0.10	1.33	1.77	0.89	4.44	5.33	3.29	172,533	
Week:	113.05	219.17	40.90	0.16	0.32	0.06	1.21	2.00	0.63	4.60	5.64	3.16	1,139,526	0.39
2/6/17	123.04	232.15	53.75	0.18	0.33	0.08	1.26	1.91	0.78	4.68	5.80	3.33	177,179	1.43
2/7/17	115.76	174.79	43.82	0.17	0.25	0.06	1.24	1.65	0.67	4.51	5.54	3.32	166,697	0.64
2/8/17	129.53	198.40	60.42	0.19	0.29	0.09	1.35	1.85	0.78	4.67	5.39	3.64	186,520	0.07
2/9/17	130.17	223.05	48.40	0.19	0.32	0.07	1.30	2.08	0.75	4.74	6.22	3.44	187,440	
2/10/17	124.26	192.85	41.04	0.18	0.28	0.06	1.19	1.59	0.59	4.93	5.97	3.52	178,941	0.33
2/11/17	136.09	265.83	48.61	0.20	0.38	0.07	1.28	2.13	0.64	5.01	5.95	3.65	195,968	0.01
2/12/17	145.75	232.08	75.49	0.21	0.33	0.11	1.35	1.91	0.88	5.14	5.94	4.07	209,881	
Week:	129.23	265.83	41.04	0.19	0.38	0.06	1.28	2.13	0.59	4.81	6.22	3.32	1,302,626	2.48
2/13/17	128.71	203.47	59.10	0.19	0.29	0.09	1.22	1.69	0.65	5.05	5.76	3.89	185,342	
2/14/17	102.66	165.49	47.01	0.15	0.24	0.07	1.11	1.54	0.59	4.50	5.18	3.09	147,836	
2/15/17	129.90	199.58	49.31	0.19	0.29	0.07	1.32	1.87	0.73	4.69	5.61	3.55	187,056	
2/16/17	134.84	214.17	63.61	0.19	0.31	0.09	1.31	1.85	0.82	4.88	5.89	3.86	194,166	
Week:	124.03	214.17	47.01	0.18	0.31	0.07	1.24	1.87	0.59	4.78	5.89	3.09	714,400	
Totals:	121.10	360.97	40.90	0.17	0.52	0.06	1.23	2.74	0.58	4.74	7.76	3.09	4,882,659	8.01



Data for 2017.01-02 Site 5 Valley Dr MH: 1/19/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 14:18	4.33	167.92	1.94
2017/01/19 14:33	4.98	87.64	0.85
2017/01/19 14:48	5.00	135.83	1.32
2017/01/19 15:03	4.69	70.97	0.74
2017/01/19 15:18	4.69	99.37	1.04
2017/01/19 15:33	4.76	101.11	1.04
2017/01/19 15:48	4.76	102.64	1.06
2017/01/19 16:03	4.69	99.37	1.04
2017/01/19 16:18	4.72	100.07	1.04
2017/01/19 16:33	4.72	98.06	1.02
2017/01/19 16:48	4.72	98.06	1.02
2017/01/19 17:03	4.72	95.07	0.99
2017/01/19 17:18	4.84	101.11	1.02
2017/01/19 17:33	4.96	104.37	1.02
2017/01/19 17:48	4.96	104.65	1.03
2017/01/19 18:03	5.04	110.83	1.07
2017/01/19 18:18	4.96	124.24	1.22
2017/01/19 18:33	5.04	135.42	1.30
2017/01/19 18:48	5.04	126.74	1.22
2017/01/19 19:03	5.19	131.18	1.22
2017/01/19 19:18	5.27	133.61	1.22
2017/01/19 19:33	5.30	136.74	1.24
2017/01/19 19:48	5.40	129.93	1.16
2017/01/19 20:03	5.54	133.68	1.16
2017/01/19 20:18	5.54	143.54	1.24
2017/01/19 20:33	5.40	160.83	1.43
2017/01/19 20:48	5.40	160.83	1.43
2017/01/19 21:03	5.36	159.44	1.43
2017/01/19 21:18	5.34	159.03	1.43
2017/01/19 21:33	5.34	159.03	1.43
2017/01/19 21:48	5.29	183.82	1.67
2017/01/19 22:03	5.29	155.76	1.42
2017/01/19 22:18	5.21	152.99	1.42
2017/01/19 22:33	5.12	127.71	1.21
2017/01/19 22:48	5.04	121.46	1.17
2017/01/19 23:03	5.00	116.39	1.13
2017/01/19 23:18	4.87	112.99	1.13
2017/01/19 23:33	4.33	95.76	1.11
2017/01/19 23:48	4.32	89.86	1.04

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 00:03	4.21	92.29	1.11
2017/01/20 00:18	4.21	90.76	1.09
2017/01/20 00:33	4.15	89.31	1.09
2017/01/20 00:48	4.09	87.78	1.09
2017/01/20 01:03	3.86	81.39	1.09
2017/01/20 01:18	3.79	64.44	0.88
2017/01/20 01:33	3.66	61.74	0.88
2017/01/20 01:48	3.51	138.06	2.09
2017/01/20 02:03	3.47	109.37	1.68
2017/01/20 02:18	3.47	109.37	1.68
2017/01/20 02:33	3.47	109.37	1.68
2017/01/20 02:48	3.47	76.11	1.17
2017/01/20 03:03	3.47	76.11	1.17
2017/01/20 03:18	3.47	72.29	1.11
2017/01/20 03:33	3.50	76.94	1.17
2017/01/20 03:48	3.54	70.83	1.06
2017/01/20 04:03	3.64	60.69	0.88
2017/01/20 04:18	3.80	63.26	0.86
2017/01/20 04:33	3.83	62.64	0.85
2017/01/20 04:48	3.93	64.72	0.85
2017/01/20 05:03	4.01	68.82	0.88
2017/01/20 05:18	4.01	61.04	0.78
2017/01/20 05:33	4.01	48.68	0.62
2017/01/20 05:48	4.01	68.96	0.88
2017/01/20 06:03	4.05	69.79	0.88
2017/01/20 06:18	4.32	57.22	0.66
2017/01/20 06:33	4.34	76.11	0.88
2017/01/20 06:48	5.21	103.61	0.96
2017/01/20 07:03	5.22	97.78	0.90
2017/01/20 07:18	5.66	132.99	1.12
2017/01/20 07:33	5.68	193.75	1.63
2017/01/20 07:48	5.68	223.33	1.88
2017/01/20 08:03	5.66	222.78	1.88
2017/01/20 08:18	5.55	217.99	1.88
2017/01/20 08:33	5.55	217.99	1.88
2017/01/20 08:48	5.36	137.50	1.23
2017/01/20 09:03	5.22	133.47	1.23
2017/01/20 09:18	5.22	127.36	1.18
2017/01/20 09:33	5.22	127.36	1.18
2017/01/20 09:48	5.27	135.07	1.23
2017/01/20 10:03	5.29	142.71	1.30
2017/01/20 10:18	5.30	129.65	1.18
2017/01/20 10:33	5.30	156.39	1.42
2017/01/20 10:48	5.36	171.39	1.54
2017/01/20 11:03	5.37	203.26	1.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 11:18	5.57	211.46	1.82
2017/01/20 11:33	6.02	264.03	2.09
2017/01/20 11:48	6.05	265.28	2.09
2017/01/20 12:03	6.14	271.32	2.10
2017/01/20 12:18	6.57	268.12	1.95
2017/01/20 12:33	6.57	268.12	1.95
2017/01/20 12:48	6.57	207.64	1.51
2017/01/20 13:03	5.29	137.15	1.25
2017/01/20 13:18	5.15	132.57	1.24
2017/01/20 13:33	4.73	97.64	1.01
2017/01/20 13:48	4.73	97.64	1.01
2017/01/20 14:03	4.64	94.24	1.00
2017/01/20 14:18	4.73	97.64	1.01
2017/01/20 14:33	4.73	104.10	1.08
2017/01/20 14:48	4.79	111.53	1.14
2017/01/20 15:03	4.87	115.07	1.15
2017/01/20 15:18	4.89	132.01	1.32
2017/01/20 15:33	4.93	133.33	1.32
2017/01/20 15:48	4.93	133.33	1.32
2017/01/20 16:03	4.93	139.79	1.38
2017/01/20 16:18	4.93	125.00	1.23
2017/01/20 16:33	4.93	122.36	1.21
2017/01/20 16:48	4.65	113.12	1.20
2017/01/20 17:03	4.65	116.60	1.23
2017/01/20 17:18	4.65	116.60	1.23
2017/01/20 17:33	4.79	121.11	1.24
2017/01/20 17:48	4.54	113.96	1.24
2017/01/20 18:03	4.79	124.37	1.27
2017/01/20 18:18	4.82	125.28	1.27
2017/01/20 18:33	5.00	136.04	1.32
2017/01/20 18:48	5.01	139.31	1.35
2017/01/20 19:03	5.01	140.69	1.36
2017/01/20 19:18	5.00	140.28	1.36
2017/01/20 19:33	4.77	136.32	1.40
2017/01/20 19:48	4.77	136.32	1.40
2017/01/20 20:03	4.75	127.71	1.32
2017/01/20 20:18	4.77	128.61	1.32
2017/01/20 20:33	4.77	128.61	1.32
2017/01/20 20:48	4.76	121.32	1.25
2017/01/20 21:03	4.75	120.90	1.25
2017/01/20 21:18	4.68	116.18	1.22
2017/01/20 21:33	4.68	115.69	1.22
2017/01/20 21:48	4.68	115.69	1.22
2017/01/20 22:03	4.66	106.60	1.12
2017/01/20 22:18	4.66	103.26	1.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 22:33	4.66	96.94	1.02
2017/01/20 22:48	4.62	95.90	1.02
2017/01/20 23:03	4.51	94.17	1.03
2017/01/20 23:18	4.51	94.17	1.03
2017/01/20 23:33	4.36	90.28	1.03
2017/01/20 23:48	4.16	95.07	1.15
2017/01/21 00:03	4.16	103.12	1.25
2017/01/21 00:18	4.02	91.11	1.15
2017/01/21 00:33	3.91	73.26	0.96
2017/01/21 00:48	3.91	76.39	1.00
2017/01/21 01:03	3.76	72.57	1.00
2017/01/21 01:18	3.71	68.26	0.96
2017/01/21 01:33	3.68	66.53	0.95
2017/01/21 01:48	3.58	64.24	0.95
2017/01/21 02:03	3.58	64.24	0.95
2017/01/21 02:18	3.58	64.24	0.95
2017/01/21 02:33	3.58	64.24	0.95
2017/01/21 02:48	3.58	66.39	0.98
2017/01/21 03:03	3.55	65.76	0.98
2017/01/21 03:18	3.46	54.51	0.84
2017/01/21 03:33	3.43	53.89	0.84
2017/01/21 03:48	3.39	62.50	0.99
2017/01/21 04:03	3.39	60.83	0.96
2017/01/21 04:18	3.40	61.18	0.96
2017/01/21 04:33	3.40	66.53	1.05
2017/01/21 04:48	3.41	66.87	1.05
2017/01/21 05:03	3.47	64.93	1.00
2017/01/21 05:18	3.47	64.93	1.00
2017/01/21 05:33	3.47	64.93	1.00
2017/01/21 05:48	3.47	64.03	0.98
2017/01/21 06:03	3.47	61.32	0.94
2017/01/21 06:18	3.47	60.90	0.94
2017/01/21 06:33	3.61	64.58	0.94
2017/01/21 06:48	3.61	61.11	0.89
2017/01/21 07:03	3.77	68.47	0.94
2017/01/21 07:18	4.00	76.81	0.98
2017/01/21 07:33	4.34	91.87	1.06
2017/01/21 07:48	4.66	100.28	1.06
2017/01/21 08:03	4.84	115.35	1.16
2017/01/21 08:18	4.75	115.42	1.19
2017/01/21 08:33	4.98	122.29	1.19
2017/01/21 08:48	4.98	155.62	1.52
2017/01/21 09:03	4.97	166.94	1.63
2017/01/21 09:18	4.97	166.94	1.63
2017/01/21 09:33	5.19	175.69	1.63

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 09:48	4.97	186.46	1.82
2017/01/21 10:03	5.19	175.69	1.63
2017/01/21 10:18	5.25	183.33	1.68
2017/01/21 10:33	5.25	164.37	1.51
2017/01/21 10:48	5.39	188.82	1.68
2017/01/21 11:03	5.55	195.35	1.68
2017/01/21 11:18	5.62	200.49	1.70
2017/01/21 11:33	5.62	231.74	1.97
2017/01/21 11:48	5.55	240.62	2.07
2017/01/21 12:03	5.47	224.79	1.97
2017/01/21 12:18	5.36	219.72	1.97
2017/01/21 12:33	5.36	208.96	1.87
2017/01/21 12:48	5.36	203.54	1.83
2017/01/21 13:03	5.26	159.51	1.46
2017/01/21 13:18	5.39	163.82	1.46
2017/01/21 13:33	5.39	153.40	1.37
2017/01/21 13:48	5.22	146.87	1.36
2017/01/21 14:03	5.15	128.82	1.21
2017/01/21 14:18	5.15	144.58	1.36
2017/01/21 14:33	5.15	116.11	1.09
2017/01/21 14:48	5.19	145.97	1.36
2017/01/21 15:03	5.23	157.08	1.45
2017/01/21 15:18	5.23	157.08	1.45
2017/01/21 15:33	5.23	118.33	1.09
2017/01/21 15:48	5.22	133.12	1.23
2017/01/21 16:03	5.22	133.12	1.23
2017/01/21 16:18	5.22	110.69	1.02
2017/01/21 16:33	5.22	110.69	1.02
2017/01/21 16:48	5.29	135.14	1.23
2017/01/21 17:03	5.33	148.89	1.34
2017/01/21 17:18	5.52	168.33	1.46
2017/01/21 17:33	5.52	168.33	1.46
2017/01/21 17:48	5.52	168.33	1.46
2017/01/21 18:03	5.23	126.60	1.17
2017/01/21 18:18	5.19	125.42	1.17
2017/01/21 18:33	5.14	123.89	1.17
2017/01/21 18:48	5.11	123.12	1.17
2017/01/21 19:03	5.14	126.94	1.19
2017/01/21 19:18	5.09	125.76	1.19
2017/01/21 19:33	5.07	123.19	1.18
2017/01/21 19:48	5.07	112.36	1.07
2017/01/21 20:03	5.14	125.21	1.18
2017/01/21 20:18	5.07	112.36	1.07
2017/01/21 20:33	5.14	125.21	1.18
2017/01/21 20:48	5.14	129.37	1.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 21:03	5.14	129.37	1.22
2017/01/21 21:18	5.14	114.65	1.08
2017/01/21 21:33	5.14	129.37	1.22
2017/01/21 21:48	5.12	114.31	1.08
2017/01/21 22:03	4.90	91.32	0.91
2017/01/21 22:18	4.80	105.97	1.08
2017/01/21 22:33	4.80	106.87	1.09
2017/01/21 22:48	4.80	88.89	0.90
2017/01/21 23:03	4.80	88.89	0.90
2017/01/21 23:18	4.80	84.37	0.86
2017/01/21 23:33	4.59	80.00	0.86
2017/01/21 23:48	4.57	79.37	0.86
2017/01/22 00:03	4.43	76.87	0.86
2017/01/22 00:18	4.33	84.37	0.98
2017/01/22 00:33	4.29	87.85	1.03
2017/01/22 00:48	4.29	87.85	1.03
2017/01/22 01:03	4.19	90.14	1.08
2017/01/22 01:18	4.18	89.79	1.08
2017/01/22 01:33	3.98	77.50	0.99
2017/01/22 01:48	3.98	74.93	0.96
2017/01/22 02:03	3.98	74.93	0.96
2017/01/22 02:18	3.93	73.54	0.96
2017/01/22 02:33	3.82	76.67	1.04
2017/01/22 02:48	3.82	76.67	1.04
2017/01/22 03:03	3.82	76.67	1.04
2017/01/22 03:18	3.82	74.72	1.01
2017/01/22 03:33	3.71	71.94	1.01
2017/01/22 03:48	3.71	68.47	0.96
2017/01/22 04:03	3.77	67.36	0.93
2017/01/22 04:18	3.79	70.49	0.96
2017/01/22 04:33	3.79	70.90	0.97
2017/01/22 04:48	3.80	67.43	0.92
2017/01/22 05:03	3.80	69.03	0.94
2017/01/22 05:18	3.83	71.94	0.97
2017/01/22 05:33	3.83	69.65	0.94
2017/01/22 05:48	3.87	70.62	0.94
2017/01/22 06:03	3.87	71.46	0.95
2017/01/22 06:18	3.91	72.57	0.95
2017/01/22 06:33	3.90	72.08	0.95
2017/01/22 06:48	3.90	72.08	0.95
2017/01/22 07:03	3.91	71.94	0.94
2017/01/22 07:18	4.04	63.89	0.81
2017/01/22 07:33	4.16	66.39	0.81
2017/01/22 07:48	4.29	65.62	0.77
2017/01/22 08:03	4.62	88.61	0.94

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 08:18	4.79	102.92	1.05
2017/01/22 08:33	5.11	111.04	1.05
2017/01/22 08:48	5.12	95.56	0.90
2017/01/22 09:03	5.21	120.90	1.12
2017/01/22 09:18	5.27	130.28	1.19
2017/01/22 09:33	5.39	133.33	1.19
2017/01/22 09:48	5.48	136.04	1.19
2017/01/22 10:03	5.48	166.46	1.45
2017/01/22 10:18	5.48	138.68	1.21
2017/01/22 10:33	5.58	169.65	1.45
2017/01/22 10:48	5.70	173.82	1.45
2017/01/22 11:03	5.77	193.82	1.60
2017/01/22 11:18	5.91	198.75	1.60
2017/01/22 11:33	5.98	266.18	2.12
2017/01/22 11:48	6.22	287.36	2.20
2017/01/22 12:03	6.25	298.19	2.27
2017/01/22 12:18	6.37	304.03	2.27
2017/01/22 12:33	6.47	360.97	2.66
2017/01/22 12:48	6.47	308.40	2.27
2017/01/22 13:03	6.47	356.04	2.62
2017/01/22 13:18	6.47	337.15	2.48
2017/01/22 13:33	6.47	349.58	2.58
2017/01/22 13:48	6.47	337.15	2.48
2017/01/22 14:03	6.89	356.32	2.48
2017/01/22 14:18	7.07	277.29	1.89
2017/01/22 14:33	7.34	251.60	1.67
2017/01/22 14:48	7.62	231.39	1.50
2017/01/22 15:03	7.76	222.08	1.43
2017/01/22 15:18	7.76	222.08	1.43
2017/01/22 15:33	7.76	222.08	1.43
2017/01/22 15:48	7.62	236.80	1.54
2017/01/22 16:03	5.87	189.58	1.54
2017/01/22 16:18	5.80	245.35	2.02
2017/01/22 16:33	5.69	183.33	1.54
2017/01/22 16:48	5.58	147.43	1.26
2017/01/22 17:03	5.58	139.03	1.19
2017/01/22 17:18	5.58	147.43	1.26
2017/01/22 17:33	5.51	145.42	1.26
2017/01/22 17:48	5.27	138.40	1.26
2017/01/22 18:03	5.27	150.28	1.37
2017/01/22 18:18	5.29	179.79	1.64
2017/01/22 18:33	5.29	169.86	1.55
2017/01/22 18:48	5.32	170.90	1.55
2017/01/22 19:03	5.32	170.90	1.55
2017/01/22 19:18	5.29	137.15	1.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 19:33	5.32	137.99	1.25
2017/01/22 19:48	5.21	134.72	1.25
2017/01/22 20:03	5.21	134.72	1.25
2017/01/22 20:18	5.21	122.22	1.13
2017/01/22 20:33	5.23	122.92	1.13
2017/01/22 20:48	5.23	122.92	1.13
2017/01/22 21:03	5.23	114.17	1.05
2017/01/22 21:18	5.23	114.17	1.05
2017/01/22 21:33	5.33	116.60	1.05
2017/01/22 21:48	5.05	100.56	0.96
2017/01/22 22:03	5.05	100.56	0.96
2017/01/22 22:18	5.14	120.83	1.14
2017/01/22 22:33	5.14	120.83	1.14
2017/01/22 22:48	4.89	113.96	1.14
2017/01/22 23:03	5.14	123.75	1.16
2017/01/22 23:18	4.77	110.90	1.14
2017/01/22 23:33	4.46	82.50	0.92
2017/01/22 23:48	4.46	82.50	0.92
2017/01/23 00:03	4.46	82.50	0.92
2017/01/23 00:18	4.25	77.71	0.92
2017/01/23 00:33	4.12	77.64	0.95
2017/01/23 00:48	3.98	74.31	0.95
2017/01/23 01:03	3.82	70.90	0.96
2017/01/23 01:18	3.77	73.68	1.01
2017/01/23 01:33	3.71	76.18	1.07
2017/01/23 01:48	3.69	77.43	1.10
2017/01/23 02:03	3.64	76.74	1.11
2017/01/23 02:18	3.62	76.39	1.11
2017/01/23 02:33	3.61	76.53	1.12
2017/01/23 02:48	3.58	76.87	1.13
2017/01/23 03:03	3.57	80.28	1.19
2017/01/23 03:18	3.57	91.67	1.36
2017/01/23 03:33	3.57	100.21	1.48
2017/01/23 03:48	3.59	92.57	1.36
2017/01/23 04:03	3.69	95.83	1.36
2017/01/23 04:18	3.71	75.62	1.07
2017/01/23 04:33	3.72	63.26	0.89
2017/01/23 04:48	3.72	50.49	0.71
2017/01/23 05:03	3.75	50.97	0.71
2017/01/23 05:18	3.75	44.86	0.62
2017/01/23 05:33	3.93	44.58	0.58
2017/01/23 05:48	4.05	49.58	0.62
2017/01/23 06:03	4.48	56.25	0.62
2017/01/23 06:18	4.51	56.67	0.62
2017/01/23 06:33	4.82	64.79	0.66

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 06:48	4.96	72.01	0.71
2017/01/23 07:03	5.07	89.86	0.86
2017/01/23 07:18	5.62	103.06	0.88
2017/01/23 07:33	5.70	137.15	1.15
2017/01/23 07:48	5.70	174.03	1.46
2017/01/23 08:03	5.70	174.03	1.46
2017/01/23 08:18	5.64	171.74	1.46
2017/01/23 08:33	5.64	199.93	1.70
2017/01/23 08:48	5.61	181.53	1.55
2017/01/23 09:03	5.54	132.29	1.14
2017/01/23 09:18	5.33	145.00	1.31
2017/01/23 09:33	5.29	143.68	1.31
2017/01/23 09:48	5.29	121.39	1.10
2017/01/23 10:03	5.29	121.39	1.10
2017/01/23 10:18	5.29	143.68	1.31
2017/01/23 10:33	5.29	121.39	1.10
2017/01/23 10:48	5.41	124.65	1.10
2017/01/23 11:03	5.41	128.26	1.14
2017/01/23 11:18	5.29	103.96	0.95
2017/01/23 11:33	5.41	106.74	0.95
2017/01/23 11:48	5.41	125.49	1.11
2017/01/23 12:03	5.41	128.26	1.14
2017/01/23 12:18	5.30	150.21	1.36
2017/01/23 12:33	5.57	172.57	1.48
2017/01/23 12:48	5.30	167.01	1.52
2017/01/23 13:03	5.41	170.97	1.52
2017/01/23 13:18	5.40	184.86	1.64
2017/01/23 13:33	5.40	166.87	1.48
2017/01/23 13:48	5.15	146.39	1.37
2017/01/23 14:03	5.15	135.35	1.27
2017/01/23 14:18	4.83	121.32	1.23
2017/01/23 14:33	4.73	114.31	1.18
2017/01/23 14:48	4.71	106.74	1.11
2017/01/23 15:03	4.73	107.50	1.11
2017/01/23 15:18	4.73	107.50	1.11
2017/01/23 15:33	4.80	109.37	1.11
2017/01/23 15:48	4.91	114.58	1.14
2017/01/23 16:03	4.91	129.65	1.28
2017/01/23 16:18	4.80	126.18	1.28
2017/01/23 16:33	4.80	126.18	1.28
2017/01/23 16:48	4.80	126.18	1.28
2017/01/23 17:03	4.75	102.15	1.05
2017/01/23 17:18	4.80	103.54	1.05
2017/01/23 17:33	4.87	97.85	0.98
2017/01/23 17:48	5.01	108.89	1.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 18:03	5.02	129.03	1.25
2017/01/23 18:18	5.23	135.21	1.25
2017/01/23 18:33	5.23	148.82	1.37
2017/01/23 18:48	5.25	149.24	1.37
2017/01/23 19:03	5.32	136.67	1.24
2017/01/23 19:18	5.25	131.60	1.21
2017/01/23 19:33	5.22	124.58	1.15
2017/01/23 19:48	5.25	125.28	1.15
2017/01/23 20:03	5.25	125.28	1.15
2017/01/23 20:18	5.25	127.64	1.17
2017/01/23 20:33	5.46	146.18	1.28
2017/01/23 20:48	5.46	156.67	1.38
2017/01/23 21:03	5.39	144.17	1.28
2017/01/23 21:18	5.41	155.28	1.38
2017/01/23 21:33	5.39	154.37	1.38
2017/01/23 21:48	5.04	107.99	1.04
2017/01/23 22:03	5.04	104.51	1.01
2017/01/23 22:18	5.09	105.83	1.01
2017/01/23 22:33	5.09	105.83	1.01
2017/01/23 22:48	5.09	102.78	0.98
2017/01/23 23:03	5.09	102.78	0.98
2017/01/23 23:18	4.57	86.87	0.94
2017/01/23 23:33	4.46	84.31	0.94
2017/01/23 23:48	4.41	83.33	0.94
2017/01/24 00:03	4.33	84.93	0.98
2017/01/24 00:18	4.23	89.65	1.07
2017/01/24 00:33	4.23	94.86	1.13
2017/01/24 00:48	3.79	82.43	1.13
2017/01/24 01:03	3.76	77.08	1.07
2017/01/24 01:18	3.76	82.50	1.14
2017/01/24 01:33	3.72	73.26	1.03
2017/01/24 01:48	3.72	73.26	1.03
2017/01/24 02:03	3.72	82.85	1.16
2017/01/24 02:18	3.72	82.85	1.16
2017/01/24 02:33	3.72	82.08	1.15
2017/01/24 02:48	3.65	80.83	1.16
2017/01/24 03:03	3.50	75.76	1.15
2017/01/24 03:18	3.50	67.01	1.02
2017/01/24 03:33	3.50	75.76	1.15
2017/01/24 03:48	3.50	96.32	1.46
2017/01/24 04:03	3.51	96.81	1.46
2017/01/24 04:18	3.59	99.86	1.46
2017/01/24 04:33	3.59	99.86	1.46
2017/01/24 04:48	3.59	76.25	1.12
2017/01/24 05:03	3.71	77.57	1.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 05:18	3.80	68.19	0.93
2017/01/24 05:33	4.01	68.40	0.87
2017/01/24 05:48	4.05	66.46	0.83
2017/01/24 06:03	4.19	66.81	0.80
2017/01/24 06:18	4.41	73.96	0.83
2017/01/24 06:33	4.54	76.53	0.83
2017/01/24 06:48	4.91	95.90	0.95
2017/01/24 07:03	5.08	103.61	0.99
2017/01/24 07:18	5.14	114.17	1.07
2017/01/24 07:33	5.33	131.94	1.19
2017/01/24 07:48	5.46	195.21	1.72
2017/01/24 08:03	5.46	195.21	1.72
2017/01/24 08:18	5.41	193.54	1.72
2017/01/24 08:33	5.51	206.32	1.79
2017/01/24 08:48	5.62	170.14	1.45
2017/01/24 09:03	5.41	145.97	1.29
2017/01/24 09:18	5.41	145.14	1.29
2017/01/24 09:33	5.27	140.97	1.29
2017/01/24 09:48	5.27	130.76	1.19
2017/01/24 10:03	5.27	130.76	1.19
2017/01/24 10:18	5.30	131.53	1.19
2017/01/24 10:33	5.30	131.53	1.19
2017/01/24 10:48	5.30	136.04	1.23
2017/01/24 11:03	5.30	136.04	1.23
2017/01/24 11:18	5.19	117.71	1.09
2017/01/24 11:33	5.19	106.87	0.99
2017/01/24 11:48	5.15	116.60	1.09
2017/01/24 12:03	5.05	101.67	0.98
2017/01/24 12:18	5.15	116.60	1.09
2017/01/24 12:33	5.15	103.96	0.98
2017/01/24 12:48	5.05	101.67	0.98
2017/01/24 13:03	4.96	99.37	0.98
2017/01/24 13:18	4.91	103.19	1.02
2017/01/24 13:33	4.91	103.19	1.02
2017/01/24 13:48	4.91	103.19	1.02
2017/01/24 14:03	4.83	103.33	1.05
2017/01/24 14:18	4.83	103.33	1.05
2017/01/24 14:33	4.83	103.33	1.05
2017/01/24 14:48	4.83	103.33	1.05
2017/01/24 15:03	4.83	111.94	1.13
2017/01/24 15:18	4.83	111.94	1.13
2017/01/24 15:33	4.76	78.47	0.81
2017/01/24 15:48	4.83	111.94	1.13
2017/01/24 16:03	4.76	104.58	1.08
2017/01/24 16:18	4.76	99.79	1.03

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 16:33	4.79	100.49	1.03
2017/01/24 16:48	4.94	105.69	1.04
2017/01/24 17:03	4.79	101.87	1.04
2017/01/24 17:18	4.82	101.18	1.03
2017/01/24 17:33	4.82	96.67	0.98
2017/01/24 17:48	5.07	108.89	1.04
2017/01/24 18:03	5.11	121.32	1.15
2017/01/24 18:18	5.19	125.62	1.17
2017/01/24 18:33	5.25	127.15	1.17
2017/01/24 18:48	5.26	127.50	1.17
2017/01/24 19:03	5.29	118.54	1.08
2017/01/24 19:18	5.26	117.85	1.08
2017/01/24 19:33	5.29	118.54	1.08
2017/01/24 19:48	5.64	162.50	1.38
2017/01/24 20:03	5.64	162.50	1.38
2017/01/24 20:18	5.41	155.49	1.38
2017/01/24 20:33	5.41	143.26	1.27
2017/01/24 20:48	5.33	140.76	1.27
2017/01/24 21:03	5.33	140.76	1.27
2017/01/24 21:18	5.30	125.97	1.14
2017/01/24 21:33	5.22	123.75	1.14
2017/01/24 21:48	5.23	108.33	1.00
2017/01/24 22:03	5.15	106.39	1.00
2017/01/24 22:18	5.12	105.69	1.00
2017/01/24 22:33	5.05	90.69	0.87
2017/01/24 22:48	4.80	87.36	0.89
2017/01/24 23:03	4.80	110.00	1.12
2017/01/24 23:18	4.62	101.32	1.08
2017/01/24 23:33	4.61	83.12	0.89
2017/01/24 23:48	4.47	97.22	1.08
2017/01/25 00:03	4.47	97.22	1.08
2017/01/25 00:18	4.47	97.22	1.08
2017/01/25 00:33	4.46	100.56	1.12
2017/01/25 00:48	4.37	98.26	1.12
2017/01/25 01:03	4.09	90.49	1.12
2017/01/25 01:18	4.09	90.49	1.12
2017/01/25 01:33	4.09	90.49	1.12
2017/01/25 01:48	4.09	214.58	2.66
2017/01/25 02:03	4.09	220.76	2.74
2017/01/25 02:18	4.09	215.55	2.67
2017/01/25 02:33	4.05	212.78	2.67
2017/01/25 02:48	4.09	215.55	2.67
2017/01/25 03:03	4.05	209.86	2.64
2017/01/25 03:18	4.05	191.39	2.40
2017/01/25 03:33	4.00	157.43	2.01

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 03:48	4.07	89.93	1.12
2017/01/25 04:03	4.07	89.93	1.12
2017/01/25 04:18	4.07	89.93	1.12
2017/01/25 04:33	4.00	87.99	1.12
2017/01/25 04:48	4.00	81.18	1.04
2017/01/25 05:03	4.00	80.00	1.02
2017/01/25 05:18	4.00	78.68	1.01
2017/01/25 05:33	4.23	84.58	1.01
2017/01/25 05:48	4.34	87.29	1.00
2017/01/25 06:03	4.61	81.11	0.87
2017/01/25 06:18	4.64	81.74	0.87
2017/01/25 06:33	4.68	95.42	1.00
2017/01/25 06:48	5.30	110.69	1.00
2017/01/25 07:03	5.54	116.04	1.00
2017/01/25 07:18	5.70	136.46	1.14
2017/01/25 07:33	5.84	147.85	1.21
2017/01/25 07:48	6.01	178.06	1.41
2017/01/25 08:03	6.12	202.01	1.57
2017/01/25 08:18	6.12	202.01	1.57
2017/01/25 08:33	6.12	158.19	1.23
2017/01/25 08:48	5.82	180.97	1.48
2017/01/25 09:03	5.75	155.69	1.29
2017/01/25 09:18	5.75	155.69	1.29
2017/01/25 09:33	5.75	167.85	1.39
2017/01/25 09:48	5.51	160.35	1.39
2017/01/25 10:03	5.47	147.50	1.29
2017/01/25 10:18	5.51	140.35	1.22
2017/01/25 10:33	5.51	140.35	1.22
2017/01/25 10:48	5.57	128.19	1.10
2017/01/25 11:03	5.57	110.42	0.95
2017/01/25 11:18	5.59	142.64	1.22
2017/01/25 11:33	5.59	103.89	0.89
2017/01/25 11:48	5.59	103.89	0.89
2017/01/25 12:03	5.48	137.64	1.20
2017/01/25 12:18	5.48	137.64	1.20
2017/01/25 12:33	5.41	135.69	1.20
2017/01/25 12:48	5.27	131.74	1.20
2017/01/25 13:03	5.27	121.74	1.11
2017/01/25 13:18	5.27	121.74	1.11
2017/01/25 13:33	5.30	106.94	0.97
2017/01/25 13:48	5.32	107.29	0.97
2017/01/25 14:03	5.32	108.96	0.99
2017/01/25 14:18	5.32	113.19	1.02
2017/01/25 14:33	5.32	108.96	0.99
2017/01/25 14:48	5.25	107.36	0.99

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 15:03	5.25	107.36	0.99
2017/01/25 15:18	5.27	103.12	0.94
2017/01/25 15:33	5.40	105.90	0.94
2017/01/25 15:48	5.27	111.04	1.01
2017/01/25 16:03	5.40	118.61	1.05
2017/01/25 16:18	5.47	139.17	1.22
2017/01/25 16:33	5.40	137.15	1.22
2017/01/25 16:48	5.40	137.15	1.22
2017/01/25 17:03	5.48	127.29	1.11
2017/01/25 17:18	5.48	127.29	1.11
2017/01/25 17:33	5.48	127.29	1.11
2017/01/25 17:48	5.51	129.79	1.13
2017/01/25 18:03	5.59	115.49	0.99
2017/01/25 18:18	5.79	136.87	1.13
2017/01/25 18:33	5.80	137.22	1.13
2017/01/25 18:48	5.80	137.22	1.13
2017/01/25 19:03	5.80	122.57	1.01
2017/01/25 19:18	5.80	167.50	1.38
2017/01/25 19:33	5.69	132.64	1.11
2017/01/25 19:48	5.69	168.06	1.41
2017/01/25 20:03	5.80	187.22	1.54
2017/01/25 20:18	5.69	183.33	1.54
2017/01/25 20:33	5.79	186.74	1.54
2017/01/25 20:48	5.86	194.37	1.58
2017/01/25 21:03	5.79	186.74	1.54
2017/01/25 21:18	5.57	177.36	1.52
2017/01/25 21:33	5.79	191.87	1.58
2017/01/25 21:48	5.57	173.33	1.49
2017/01/25 22:03	5.57	167.08	1.44
2017/01/25 22:18	5.62	168.89	1.44
2017/01/25 22:33	5.66	170.28	1.44
2017/01/25 22:48	5.62	165.69	1.41
2017/01/25 23:03	5.62	165.69	1.41
2017/01/25 23:18	5.19	134.31	1.25
2017/01/25 23:33	5.14	131.67	1.24
2017/01/25 23:48	5.14	124.72	1.17
2017/01/26 00:03	5.00	120.76	1.17
2017/01/26 00:18	4.89	117.64	1.17
2017/01/26 00:33	4.86	110.00	1.10
2017/01/26 00:48	4.57	103.96	1.12
2017/01/26 01:03	4.52	108.47	1.19
2017/01/26 01:18	4.44	106.04	1.19
2017/01/26 01:33	4.44	106.04	1.19
2017/01/26 01:48	4.37	104.51	1.19
2017/01/26 02:03	4.29	102.15	1.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 02:18	4.25	100.97	1.19
2017/01/26 02:33	4.25	100.83	1.19
2017/01/26 02:48	4.22	94.51	1.13
2017/01/26 03:03	4.22	94.51	1.13
2017/01/26 03:18	4.22	94.51	1.13
2017/01/26 03:33	4.18	96.25	1.16
2017/01/26 03:48	4.14	95.00	1.16
2017/01/26 04:03	4.14	107.15	1.31
2017/01/26 04:18	4.14	206.53	2.53
2017/01/26 04:33	4.27	111.67	1.31
2017/01/26 04:48	4.34	112.22	1.29
2017/01/26 05:03	4.34	112.22	1.29
2017/01/26 05:18	4.36	71.25	0.82
2017/01/26 05:33	4.57	75.42	0.82
2017/01/26 05:48	4.62	83.68	0.89
2017/01/26 06:03	4.76	79.37	0.82
2017/01/26 06:18	4.77	75.28	0.77
2017/01/26 06:33	4.82	63.61	0.65
2017/01/26 06:48	5.09	67.92	0.65
2017/01/26 07:03	5.40	72.64	0.65
2017/01/26 07:18	5.65	131.39	1.11
2017/01/26 07:33	5.73	177.64	1.48
2017/01/26 07:48	5.97	185.35	1.48
2017/01/26 08:03	5.97	197.78	1.58
2017/01/26 08:18	5.97	197.78	1.58
2017/01/26 08:33	5.43	178.19	1.57
2017/01/26 08:48	5.25	171.53	1.57
2017/01/26 09:03	5.22	170.49	1.57
2017/01/26 09:18	5.22	136.60	1.26
2017/01/26 09:33	5.12	133.68	1.26
2017/01/26 09:48	5.08	128.26	1.22
2017/01/26 10:03	5.08	118.47	1.13
2017/01/26 10:18	5.01	126.25	1.22
2017/01/26 10:33	5.01	132.08	1.28
2017/01/26 10:48	5.01	126.25	1.22
2017/01/26 11:03	4.91	129.03	1.28
2017/01/26 11:18	4.87	127.78	1.28
2017/01/26 11:33	5.04	137.99	1.33
2017/01/26 11:48	4.87	118.47	1.19
2017/01/26 12:03	4.86	118.06	1.19
2017/01/26 12:18	4.86	103.89	1.04
2017/01/26 12:33	4.82	101.32	1.03
2017/01/26 12:48	4.75	99.17	1.02
2017/01/26 13:03	4.75	99.58	1.03
2017/01/26 13:18	4.86	102.43	1.03

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 13:33	4.75	100.62	1.04
2017/01/26 13:48	4.75	100.62	1.04
2017/01/26 14:03	4.55	99.44	1.08
2017/01/26 14:18	4.55	99.44	1.08
2017/01/26 14:33	4.55	95.69	1.04
2017/01/26 14:48	4.69	103.19	1.08
2017/01/26 15:03	4.69	103.19	1.08
2017/01/26 15:18	4.79	95.90	0.98
2017/01/26 15:33	4.83	96.87	0.98
2017/01/26 15:48	4.97	102.99	1.01
2017/01/26 16:03	4.97	102.99	1.01
2017/01/26 16:18	4.97	104.37	1.02
2017/01/26 16:33	4.94	108.96	1.07
2017/01/26 16:48	4.94	141.67	1.39
2017/01/26 17:03	4.65	131.74	1.39
2017/01/26 17:18	4.94	141.67	1.39
2017/01/26 17:33	4.94	145.69	1.43
2017/01/26 17:48	4.97	146.67	1.43
2017/01/26 18:03	5.02	110.35	1.07
2017/01/26 18:18	5.18	142.22	1.33
2017/01/26 18:33	5.02	137.36	1.33
2017/01/26 18:48	5.09	124.51	1.18
2017/01/26 19:03	5.09	111.67	1.06
2017/01/26 19:18	5.09	111.67	1.06
2017/01/26 19:33	5.09	111.67	1.06
2017/01/26 19:48	5.21	116.11	1.08
2017/01/26 20:03	5.22	106.39	0.98
2017/01/26 20:18	5.22	116.46	1.08
2017/01/26 20:33	5.22	120.76	1.12
2017/01/26 20:48	5.21	116.11	1.08
2017/01/26 21:03	5.26	121.87	1.12
2017/01/26 21:18	5.25	134.79	1.24
2017/01/26 21:33	5.02	115.56	1.12
2017/01/26 21:48	5.02	114.44	1.10
2017/01/26 22:03	5.01	114.10	1.10
2017/01/26 22:18	4.98	112.85	1.10
2017/01/26 22:33	4.91	109.31	1.08
2017/01/26 22:48	4.91	103.61	1.03
2017/01/26 23:03	4.87	102.57	1.03
2017/01/26 23:18	4.61	95.97	1.03
2017/01/26 23:33	4.26	89.17	1.05
2017/01/26 23:48	4.15	86.25	1.05
2017/01/27 00:03	4.15	88.06	1.07
2017/01/27 00:18	4.14	91.53	1.12
2017/01/27 00:33	4.14	91.53	1.12

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 00:48	4.05	87.78	1.10
2017/01/27 01:03	3.98	87.29	1.12
2017/01/27 01:18	3.79	80.49	1.10
2017/01/27 01:33	3.71	78.19	1.10
2017/01/27 01:48	3.71	77.57	1.09
2017/01/27 02:03	3.71	78.68	1.11
2017/01/27 02:18	3.61	75.97	1.11
2017/01/27 02:33	3.61	75.97	1.11
2017/01/27 02:48	3.52	72.71	1.09
2017/01/27 03:03	3.44	64.44	1.00
2017/01/27 03:18	3.44	64.10	0.99
2017/01/27 03:33	3.39	62.78	0.99
2017/01/27 03:48	3.39	62.78	0.99
2017/01/27 04:03	3.48	69.93	1.07
2017/01/27 04:18	3.65	74.37	1.07
2017/01/27 04:33	3.65	74.37	1.07
2017/01/27 04:48	3.65	71.81	1.03
2017/01/27 05:03	3.79	75.35	1.03
2017/01/27 05:18	3.79	66.04	0.90
2017/01/27 05:33	3.79	66.04	0.90
2017/01/27 05:48	3.96	59.03	0.76
2017/01/27 06:03	4.01	60.07	0.76
2017/01/27 06:18	4.04	60.62	0.76
2017/01/27 06:33	4.15	68.75	0.84
2017/01/27 06:48	4.59	77.99	0.84
2017/01/27 07:03	4.79	100.62	1.03
2017/01/27 07:18	5.12	123.19	1.16
2017/01/27 07:33	5.12	142.22	1.34
2017/01/27 07:48	5.30	147.99	1.34
2017/01/27 08:03	5.30	175.42	1.59
2017/01/27 08:18	5.30	204.03	1.85
2017/01/27 08:33	5.30	204.03	1.85
2017/01/27 08:48	5.36	145.35	1.30
2017/01/27 09:03	5.30	121.46	1.10
2017/01/27 09:18	5.30	121.46	1.10
2017/01/27 09:33	5.23	119.65	1.10
2017/01/27 09:48	5.12	130.90	1.24
2017/01/27 10:03	5.12	138.89	1.31
2017/01/27 10:18	5.09	146.18	1.39
2017/01/27 10:33	5.09	155.35	1.48
2017/01/27 10:48	5.08	145.69	1.39
2017/01/27 11:03	5.09	146.18	1.39
2017/01/27 11:18	4.93	140.62	1.39
2017/01/27 11:33	4.89	129.86	1.30
2017/01/27 11:48	4.89	123.61	1.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 12:03	4.89	123.61	1.23
2017/01/27 12:18	4.89	115.49	1.15
2017/01/27 12:33	4.89	106.32	1.06
2017/01/27 12:48	4.89	99.86	1.00
2017/01/27 13:03	4.89	95.62	0.95
2017/01/27 13:18	4.75	87.01	0.90
2017/01/27 13:33	4.86	82.99	0.83
2017/01/27 13:48	4.55	76.74	0.83
2017/01/27 14:03	4.55	82.78	0.90
2017/01/27 14:18	4.55	82.78	0.90
2017/01/27 14:33	4.55	94.72	1.03
2017/01/27 14:48	4.54	94.31	1.03
2017/01/27 15:03	4.54	94.31	1.03
2017/01/27 15:18	4.54	94.31	1.03
2017/01/27 15:33	4.55	94.72	1.03
2017/01/27 15:48	4.71	81.04	0.85
2017/01/27 16:03	4.80	102.08	1.04
2017/01/27 16:18	4.80	109.10	1.11
2017/01/27 16:33	4.73	120.49	1.25
2017/01/27 16:48	4.73	107.78	1.12
2017/01/27 17:03	4.73	120.49	1.25
2017/01/27 17:18	4.73	123.68	1.28
2017/01/27 17:33	4.79	124.58	1.27
2017/01/27 17:48	4.86	127.64	1.28
2017/01/27 18:03	5.00	131.94	1.28
2017/01/27 18:18	5.00	130.97	1.27
2017/01/27 18:33	5.00	130.97	1.27
2017/01/27 18:48	5.18	148.47	1.38
2017/01/27 19:03	5.18	130.42	1.22
2017/01/27 19:18	5.18	130.42	1.22
2017/01/27 19:33	5.29	152.08	1.38
2017/01/27 19:48	5.18	139.10	1.30
2017/01/27 20:03	5.00	133.47	1.30
2017/01/27 20:18	4.87	130.62	1.31
2017/01/27 20:33	4.65	123.54	1.31
2017/01/27 20:48	4.65	123.54	1.31
2017/01/27 21:03	4.80	132.29	1.35
2017/01/27 21:18	4.75	126.67	1.31
2017/01/27 21:33	4.75	130.49	1.35
2017/01/27 21:48	4.75	130.49	1.35
2017/01/27 22:03	4.73	118.40	1.23
2017/01/27 22:18	4.73	104.86	1.09
2017/01/27 22:33	4.64	108.61	1.15
2017/01/27 22:48	4.73	97.64	1.01
2017/01/27 23:03	4.62	94.86	1.01

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 23:18	4.61	107.78	1.15
2017/01/27 23:33	4.57	106.60	1.15
2017/01/27 23:48	4.57	96.87	1.05
2017/01/28 00:03	4.47	104.10	1.16
2017/01/28 00:18	4.44	93.61	1.05
2017/01/28 00:33	4.07	75.28	0.94
2017/01/28 00:48	3.94	72.36	0.94
2017/01/28 01:03	3.89	77.29	1.02
2017/01/28 01:18	3.79	74.79	1.02
2017/01/28 01:33	3.79	94.24	1.29
2017/01/28 01:48	3.59	135.07	1.98
2017/01/28 02:03	3.59	135.07	1.98
2017/01/28 02:18	3.59	118.40	1.73
2017/01/28 02:33	3.58	114.58	1.69
2017/01/28 02:48	3.43	111.25	1.73
2017/01/28 03:03	3.41	107.64	1.69
2017/01/28 03:18	3.41	107.64	1.69
2017/01/28 03:33	3.39	106.46	1.69
2017/01/28 03:48	3.26	91.87	1.53
2017/01/28 04:03	3.37	65.56	1.05
2017/01/28 04:18	3.37	65.56	1.05
2017/01/28 04:33	3.37	63.40	1.01
2017/01/28 04:48	3.37	61.94	0.99
2017/01/28 05:03	3.44	65.14	1.01
2017/01/28 05:18	3.51	70.21	1.06
2017/01/28 05:33	3.61	75.00	1.09
2017/01/28 05:48	3.64	75.76	1.09
2017/01/28 06:03	3.64	75.76	1.09
2017/01/28 06:18	3.64	55.90	0.81
2017/01/28 06:33	3.64	55.90	0.81
2017/01/28 06:48	3.64	55.90	0.81
2017/01/28 07:03	3.76	73.47	1.01
2017/01/28 07:18	3.83	75.21	1.01
2017/01/28 07:33	4.02	90.83	1.15
2017/01/28 07:48	4.14	101.67	1.24
2017/01/28 08:03	4.16	102.50	1.24
2017/01/28 08:18	4.61	112.22	1.20
2017/01/28 08:33	4.73	115.90	1.20
2017/01/28 08:48	4.73	102.78	1.07
2017/01/28 09:03	4.73	102.78	1.07
2017/01/28 09:18	4.82	104.93	1.07
2017/01/28 09:33	5.07	119.10	1.14
2017/01/28 09:48	5.07	119.10	1.14
2017/01/28 10:03	5.07	119.10	1.14
2017/01/28 10:18	5.07	119.10	1.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 10:33	5.11	164.03	1.55
2017/01/28 10:48	5.14	149.86	1.41
2017/01/28 11:03	5.26	169.72	1.55
2017/01/28 11:18	5.26	169.72	1.55
2017/01/28 11:33	5.18	151.87	1.42
2017/01/28 11:48	5.18	151.87	1.42
2017/01/28 12:03	5.18	151.87	1.42
2017/01/28 12:18	5.11	138.61	1.31
2017/01/28 12:33	5.12	139.03	1.31
2017/01/28 12:48	5.12	166.04	1.57
2017/01/28 13:03	5.12	149.51	1.41
2017/01/28 13:18	5.15	150.49	1.41
2017/01/28 13:33	5.15	150.49	1.41
2017/01/28 13:48	5.15	115.97	1.09
2017/01/28 14:03	4.91	101.04	1.00
2017/01/28 14:18	4.91	101.04	1.00
2017/01/28 14:33	4.89	100.35	1.00
2017/01/28 14:48	4.90	106.53	1.06
2017/01/28 15:03	4.89	106.18	1.06
2017/01/28 15:18	4.73	102.78	1.07
2017/01/28 15:33	4.73	102.78	1.07
2017/01/28 15:48	4.73	102.78	1.07
2017/01/28 16:03	4.64	100.28	1.07
2017/01/28 16:18	4.73	111.32	1.15
2017/01/28 16:33	4.80	130.69	1.33
2017/01/28 16:48	4.96	135.62	1.33
2017/01/28 17:03	5.23	145.49	1.34
2017/01/28 17:18	5.23	160.69	1.48
2017/01/28 17:33	5.26	161.67	1.48
2017/01/28 17:48	5.26	157.01	1.44
2017/01/28 18:03	5.15	153.19	1.44
2017/01/28 18:18	5.15	153.19	1.44
2017/01/28 18:33	5.15	108.19	1.01
2017/01/28 18:48	5.15	115.14	1.08
2017/01/28 19:03	5.15	115.14	1.08
2017/01/28 19:18	5.09	122.22	1.16
2017/01/28 19:33	5.09	122.22	1.16
2017/01/28 19:48	5.01	119.93	1.16
2017/01/28 20:03	5.01	143.89	1.39
2017/01/28 20:18	4.96	142.01	1.39
2017/01/28 20:33	5.01	143.89	1.39
2017/01/28 20:48	5.01	128.40	1.24
2017/01/28 21:03	5.19	157.15	1.46
2017/01/28 21:18	4.90	125.07	1.24
2017/01/28 21:33	5.00	127.99	1.24

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 21:48	4.69	117.01	1.23
2017/01/28 22:03	4.69	113.06	1.18
2017/01/28 22:18	4.69	92.99	0.97
2017/01/28 22:33	4.75	90.76	0.94
2017/01/28 22:48	4.69	113.06	1.18
2017/01/28 23:03	4.46	103.96	1.16
2017/01/28 23:18	4.51	95.56	1.05
2017/01/28 23:33	4.51	95.56	1.05
2017/01/28 23:48	4.46	94.10	1.05
2017/01/29 00:03	4.27	87.99	1.03
2017/01/29 00:18	4.27	87.99	1.03
2017/01/29 00:33	4.26	87.64	1.03
2017/01/29 00:48	4.18	94.58	1.14
2017/01/29 01:03	3.94	87.85	1.14
2017/01/29 01:18	3.93	87.50	1.14
2017/01/29 01:33	3.84	85.07	1.14
2017/01/29 01:48	3.80	80.62	1.10
2017/01/29 02:03	3.79	73.96	1.01
2017/01/29 02:18	3.79	71.81	0.98
2017/01/29 02:33	3.73	72.50	1.01
2017/01/29 02:48	3.69	71.46	1.01
2017/01/29 03:03	3.69	70.49	1.00
2017/01/29 03:18	3.62	77.64	1.13
2017/01/29 03:33	3.62	97.92	1.42
2017/01/29 03:48	3.59	96.94	1.42
2017/01/29 04:03	3.52	94.51	1.42
2017/01/29 04:18	3.52	94.51	1.42
2017/01/29 04:33	3.52	81.60	1.23
2017/01/29 04:48	3.52	79.58	1.20
2017/01/29 05:03	3.50	78.75	1.20
2017/01/29 05:18	3.50	76.74	1.17
2017/01/29 05:33	3.54	73.06	1.09
2017/01/29 05:48	3.72	76.18	1.07
2017/01/29 06:03	3.84	72.36	0.97
2017/01/29 06:18	3.87	72.15	0.96
2017/01/29 06:33	3.87	72.15	0.96
2017/01/29 06:48	3.91	74.03	0.97
2017/01/29 07:03	3.97	75.42	0.97
2017/01/29 07:18	4.14	85.14	1.04
2017/01/29 07:33	4.18	86.25	1.04
2017/01/29 07:48	4.18	85.00	1.03
2017/01/29 08:03	4.34	73.19	0.84
2017/01/29 08:18	4.44	91.74	1.03
2017/01/29 08:33	4.50	93.12	1.03
2017/01/29 08:48	4.76	105.90	1.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 09:03	4.89	140.14	1.40
2017/01/29 09:18	4.91	141.04	1.40
2017/01/29 09:33	5.05	145.76	1.40
2017/01/29 09:48	5.02	173.75	1.68
2017/01/29 10:03	5.02	160.76	1.55
2017/01/29 10:18	4.91	135.83	1.35
2017/01/29 10:33	5.02	139.44	1.35
2017/01/29 10:48	5.02	160.76	1.55
2017/01/29 11:03	5.21	145.28	1.35
2017/01/29 11:18	5.21	145.28	1.35
2017/01/29 11:33	5.21	130.07	1.21
2017/01/29 11:48	5.08	162.36	1.55
2017/01/29 12:03	5.08	126.53	1.21
2017/01/29 12:18	5.01	118.82	1.15
2017/01/29 12:33	5.01	109.03	1.06
2017/01/29 12:48	5.08	110.83	1.06
2017/01/29 13:03	5.08	110.83	1.06
2017/01/29 13:18	4.93	130.56	1.29
2017/01/29 13:33	5.08	139.93	1.33
2017/01/29 13:48	5.08	139.93	1.33
2017/01/29 14:03	4.93	135.00	1.33
2017/01/29 14:18	4.93	137.64	1.36
2017/01/29 14:33	4.89	117.92	1.18
2017/01/29 14:48	4.89	99.44	0.99
2017/01/29 15:03	4.89	99.44	0.99
2017/01/29 15:18	4.86	107.08	1.08
2017/01/29 15:33	4.86	107.08	1.08
2017/01/29 15:48	4.86	115.14	1.16
2017/01/29 16:03	4.93	135.00	1.33
2017/01/29 16:18	4.94	139.65	1.37
2017/01/29 16:33	5.00	141.53	1.37
2017/01/29 16:48	5.00	141.53	1.37
2017/01/29 17:03	5.19	148.75	1.38
2017/01/29 17:18	5.19	148.75	1.38
2017/01/29 17:33	5.19	136.11	1.26
2017/01/29 17:48	5.09	110.69	1.05
2017/01/29 18:03	5.09	110.69	1.05
2017/01/29 18:18	5.02	107.85	1.04
2017/01/29 18:33	5.09	110.69	1.05
2017/01/29 18:48	5.15	121.81	1.14
2017/01/29 19:03	5.21	133.75	1.24
2017/01/29 19:18	5.22	135.49	1.25
2017/01/29 19:33	5.25	162.36	1.49
2017/01/29 19:48	5.26	180.69	1.65
2017/01/29 20:03	5.26	182.50	1.67

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 20:18	5.26	182.50	1.67
2017/01/29 20:33	5.22	203.82	1.88
2017/01/29 20:48	5.15	178.12	1.67
2017/01/29 21:03	5.15	167.85	1.57
2017/01/29 21:18	5.11	160.35	1.52
2017/01/29 21:33	5.01	149.51	1.45
2017/01/29 21:48	4.94	117.22	1.15
2017/01/29 22:03	4.89	115.62	1.15
2017/01/29 22:18	4.89	115.62	1.15
2017/01/29 22:33	4.83	99.58	1.01
2017/01/29 22:48	4.79	112.92	1.15
2017/01/29 23:03	4.65	110.00	1.16
2017/01/29 23:18	4.51	105.97	1.16
2017/01/29 23:33	4.43	103.47	1.16
2017/01/29 23:48	3.91	88.68	1.16
2017/01/30 00:03	3.91	88.61	1.16
2017/01/30 00:18	3.91	88.61	1.16
2017/01/30 00:33	3.77	88.47	1.22
2017/01/30 00:48	3.80	89.31	1.22
2017/01/30 01:03	3.80	84.58	1.15
2017/01/30 01:18	3.77	88.47	1.22
2017/01/30 01:33	3.65	80.21	1.15
2017/01/30 01:48	3.46	68.61	1.06
2017/01/30 02:03	3.46	74.65	1.15
2017/01/30 02:18	3.54	92.01	1.38
2017/01/30 02:33	3.46	68.61	1.06
2017/01/30 02:48	3.40	62.99	0.99
2017/01/30 03:03	3.40	62.99	0.99
2017/01/30 03:18	3.29	60.28	0.99
2017/01/30 03:33	3.29	60.28	0.99
2017/01/30 03:48	3.40	63.68	1.00
2017/01/30 04:03	3.29	66.94	1.10
2017/01/30 04:18	3.52	80.07	1.20
2017/01/30 04:33	3.52	86.87	1.31
2017/01/30 04:48	3.64	90.49	1.31
2017/01/30 05:03	3.64	87.50	1.26
2017/01/30 05:18	3.73	86.32	1.20
2017/01/30 05:33	3.73	68.40	0.95
2017/01/30 05:48	3.84	66.11	0.89
2017/01/30 06:03	4.04	61.81	0.78
2017/01/30 06:18	4.34	73.19	0.84
2017/01/30 06:33	4.41	74.65	0.84
2017/01/30 06:48	4.89	84.44	0.84
2017/01/30 07:03	5.26	138.19	1.26
2017/01/30 07:18	5.26	182.85	1.67

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 07:33	5.46	191.04	1.68
2017/01/30 07:48	5.46	190.49	1.67
2017/01/30 08:03	5.33	186.11	1.68
2017/01/30 08:18	5.22	181.74	1.68
2017/01/30 08:33	5.22	170.62	1.58
2017/01/30 08:48	5.18	169.10	1.58
2017/01/30 09:03	5.18	176.25	1.64
2017/01/30 09:18	5.18	169.10	1.58
2017/01/30 09:33	4.90	158.54	1.58
2017/01/30 09:48	4.90	148.68	1.48
2017/01/30 10:03	4.90	136.74	1.36
2017/01/30 10:18	4.90	126.94	1.26
2017/01/30 10:33	4.90	126.94	1.26
2017/01/30 10:48	4.80	118.06	1.20
2017/01/30 11:03	4.80	118.06	1.20
2017/01/30 11:18	4.84	130.83	1.32
2017/01/30 11:33	4.80	129.44	1.32
2017/01/30 11:48	4.58	122.29	1.32
2017/01/30 12:03	4.84	130.83	1.32
2017/01/30 12:18	4.83	106.67	1.08
2017/01/30 12:33	4.83	100.35	1.01
2017/01/30 12:48	4.90	102.08	1.01
2017/01/30 13:03	4.90	102.08	1.01
2017/01/30 13:18	4.90	123.06	1.22
2017/01/30 13:33	4.90	140.56	1.40
2017/01/30 13:48	4.77	136.32	1.40
2017/01/30 14:03	4.66	132.50	1.40
2017/01/30 14:18	4.66	124.24	1.31
2017/01/30 14:33	4.66	120.35	1.27
2017/01/30 14:48	4.66	105.49	1.11
2017/01/30 15:03	4.68	104.65	1.10
2017/01/30 15:18	4.69	106.25	1.11
2017/01/30 15:33	4.69	105.07	1.10
2017/01/30 15:48	4.69	81.04	0.85
2017/01/30 16:03	4.57	78.40	0.85
2017/01/30 16:18	4.57	82.92	0.90
2017/01/30 16:33	4.44	79.17	0.89
2017/01/30 16:48	4.44	80.14	0.90
2017/01/30 17:03	4.44	108.89	1.22
2017/01/30 17:18	4.44	108.89	1.22
2017/01/30 17:33	4.44	108.89	1.22
2017/01/30 17:48	4.46	109.31	1.22
2017/01/30 18:03	4.59	125.97	1.35
2017/01/30 18:18	4.62	130.76	1.39
2017/01/30 18:33	4.65	131.74	1.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 18:48	4.65	116.32	1.23
2017/01/30 19:03	4.79	138.75	1.42
2017/01/30 19:18	4.83	127.99	1.29
2017/01/30 19:33	4.93	131.04	1.29
2017/01/30 19:48	5.16	138.33	1.29
2017/01/30 20:03	5.05	156.87	1.50
2017/01/30 20:18	5.22	140.07	1.29
2017/01/30 20:33	5.25	163.89	1.50
2017/01/30 20:48	5.25	130.14	1.19
2017/01/30 21:03	5.29	131.32	1.19
2017/01/30 21:18	5.29	117.71	1.07
2017/01/30 21:33	5.34	132.85	1.19
2017/01/30 21:48	5.29	131.32	1.19
2017/01/30 22:03	5.00	110.28	1.07
2017/01/30 22:18	4.97	138.89	1.36
2017/01/30 22:33	4.72	130.62	1.36
2017/01/30 22:48	4.47	93.82	1.04
2017/01/30 23:03	4.47	93.82	1.04
2017/01/30 23:18	4.47	122.22	1.36
2017/01/30 23:33	4.44	91.04	1.02
2017/01/30 23:48	4.44	91.04	1.02
2017/01/31 00:03	4.25	96.81	1.15
2017/01/31 00:18	4.08	87.99	1.10
2017/01/31 00:33	4.08	87.99	1.10
2017/01/31 00:48	3.96	84.58	1.10
2017/01/31 01:03	3.71	77.78	1.10
2017/01/31 01:18	3.71	77.78	1.10
2017/01/31 01:33	3.79	79.37	1.09
2017/01/31 01:48	3.79	79.37	1.09
2017/01/31 02:03	3.79	80.97	1.11
2017/01/31 02:18	3.79	84.72	1.16
2017/01/31 02:33	3.72	79.03	1.11
2017/01/31 02:48	3.71	78.68	1.11
2017/01/31 03:03	3.69	72.78	1.03
2017/01/31 03:18	3.71	73.12	1.03
2017/01/31 03:33	3.59	70.28	1.03
2017/01/31 03:48	3.59	70.42	1.03
2017/01/31 04:03	3.59	73.40	1.08
2017/01/31 04:18	3.61	74.93	1.09
2017/01/31 04:33	3.61	74.93	1.09
2017/01/31 04:48	3.62	71.11	1.03
2017/01/31 05:03	3.69	77.22	1.09
2017/01/31 05:18	3.79	61.67	0.84
2017/01/31 05:33	3.79	61.67	0.84
2017/01/31 05:48	3.86	83.68	1.12

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 06:03	4.01	87.92	1.12
2017/01/31 06:18	4.68	111.39	1.17
2017/01/31 06:33	4.68	111.39	1.17
2017/01/31 06:48	4.82	115.35	1.17
2017/01/31 07:03	4.90	138.61	1.38
2017/01/31 07:18	5.26	193.89	1.77
2017/01/31 07:33	5.26	193.89	1.77
2017/01/31 07:48	5.27	194.44	1.77
2017/01/31 08:03	5.27	189.58	1.73
2017/01/31 08:18	5.30	173.75	1.58
2017/01/31 08:33	5.27	157.36	1.44
2017/01/31 08:48	5.27	130.07	1.19
2017/01/31 09:03	5.21	128.12	1.19
2017/01/31 09:18	5.05	123.82	1.19
2017/01/31 09:33	5.05	123.82	1.19
2017/01/31 09:48	5.05	123.82	1.19
2017/01/31 10:03	5.05	112.99	1.08
2017/01/31 10:18	5.07	129.31	1.24
2017/01/31 10:33	5.08	115.42	1.10
2017/01/31 10:48	5.08	115.42	1.10
2017/01/31 11:03	5.07	114.44	1.09
2017/01/31 11:18	5.07	115.07	1.10
2017/01/31 11:33	5.07	114.44	1.09
2017/01/31 11:48	5.02	111.11	1.07
2017/01/31 12:03	5.02	85.21	0.82
2017/01/31 12:18	5.02	85.21	0.82
2017/01/31 12:33	5.07	86.04	0.82
2017/01/31 12:48	5.07	86.04	0.82
2017/01/31 13:03	5.07	95.28	0.91
2017/01/31 13:18	5.01	102.08	0.99
2017/01/31 13:33	4.97	113.61	1.11
2017/01/31 13:48	4.82	97.43	0.99
2017/01/31 14:03	4.77	96.46	0.99
2017/01/31 14:18	4.77	90.35	0.93
2017/01/31 14:33	4.61	84.24	0.90
2017/01/31 14:48	4.61	81.11	0.87
2017/01/31 15:03	4.61	81.11	0.87
2017/01/31 15:18	4.71	83.19	0.87
2017/01/31 15:33	4.79	85.00	0.87
2017/01/31 15:48	4.83	100.97	1.02
2017/01/31 16:03	4.84	101.32	1.02
2017/01/31 16:18	4.84	97.99	0.99
2017/01/31 16:33	4.83	89.51	0.90
2017/01/31 16:48	4.79	90.97	0.93
2017/01/31 17:03	4.79	88.54	0.90

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 17:18	4.79	88.54	0.90
2017/01/31 17:33	4.79	88.54	0.90
2017/01/31 17:48	4.80	91.25	0.93
2017/01/31 18:03	5.18	116.04	1.08
2017/01/31 18:18	5.25	137.64	1.26
2017/01/31 18:33	5.25	137.64	1.26
2017/01/31 18:48	5.25	145.56	1.34
2017/01/31 19:03	5.25	145.56	1.34
2017/01/31 19:18	5.29	135.35	1.23
2017/01/31 19:33	5.32	136.11	1.23
2017/01/31 19:48	5.32	151.32	1.37
2017/01/31 20:03	5.44	139.72	1.23
2017/01/31 20:18	5.44	121.74	1.07
2017/01/31 20:33	5.34	102.01	0.92
2017/01/31 20:48	5.34	102.01	0.92
2017/01/31 21:03	5.25	99.86	0.92
2017/01/31 21:18	5.11	101.87	0.96
2017/01/31 21:33	5.08	135.97	1.30
2017/01/31 21:48	5.00	133.33	1.30
2017/01/31 22:03	4.97	132.50	1.30
2017/01/31 22:18	4.97	132.50	1.30
2017/01/31 22:33	4.97	120.00	1.17
2017/01/31 22:48	4.82	115.07	1.17
2017/01/31 23:03	4.82	101.94	1.03
2017/01/31 23:18	4.82	94.72	0.96
2017/01/31 23:33	4.43	84.31	0.95
2017/01/31 23:48	4.40	83.68	0.95
2017/02/01 00:03	4.37	84.24	0.96
2017/02/01 00:18	4.25	87.92	1.04
2017/02/01 00:33	4.05	87.36	1.10
2017/02/01 00:48	4.05	93.82	1.18
2017/02/01 01:03	4.01	92.57	1.18
2017/02/01 01:18	3.83	104.93	1.42
2017/02/01 01:33	3.83	87.29	1.18
2017/02/01 01:48	3.83	80.62	1.09
2017/02/01 02:03	3.83	80.62	1.09
2017/02/01 02:18	3.83	98.40	1.33
2017/02/01 02:33	3.69	82.50	1.17
2017/02/01 02:48	3.69	82.50	1.17
2017/02/01 03:03	3.64	91.94	1.33
2017/02/01 03:18	3.58	92.85	1.37
2017/02/01 03:33	3.58	92.85	1.37
2017/02/01 03:48	3.44	88.12	1.37
2017/02/01 04:03	3.44	88.12	1.37
2017/02/01 04:18	3.44	81.74	1.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 04:33	3.55	74.44	1.11
2017/02/01 04:48	3.62	76.39	1.11
2017/02/01 05:03	3.69	78.26	1.11
2017/02/01 05:18	3.75	79.79	1.11
2017/02/01 05:33	3.93	83.61	1.09
2017/02/01 05:48	4.01	85.90	1.09
2017/02/01 06:03	4.25	85.83	1.02
2017/02/01 06:18	4.33	78.33	0.90
2017/02/01 06:33	4.51	64.03	0.70
2017/02/01 06:48	4.80	88.89	0.90
2017/02/01 07:03	5.12	107.64	1.02
2017/02/01 07:18	5.43	165.90	1.47
2017/02/01 07:33	5.43	173.89	1.54
2017/02/01 07:48	5.64	193.68	1.64
2017/02/01 08:03	5.64	202.64	1.72
2017/02/01 08:18	5.64	202.64	1.72
2017/02/01 08:33	5.52	191.94	1.66
2017/02/01 08:48	5.41	193.89	1.72
2017/02/01 09:03	5.21	179.51	1.66
2017/02/01 09:18	5.21	179.51	1.66
2017/02/01 09:33	5.27	176.74	1.61
2017/02/01 09:48	5.27	176.74	1.61
2017/02/01 10:03	5.23	175.14	1.61
2017/02/01 10:18	5.23	157.08	1.45
2017/02/01 10:33	5.23	149.44	1.38
2017/02/01 10:48	5.23	149.10	1.37
2017/02/01 11:03	5.21	148.19	1.37
2017/02/01 11:18	5.14	130.83	1.23
2017/02/01 11:33	4.97	99.86	0.98
2017/02/01 11:48	4.97	98.47	0.96
2017/02/01 12:03	4.97	98.47	0.96
2017/02/01 12:18	4.96	92.57	0.91
2017/02/01 12:33	4.96	83.54	0.82
2017/02/01 12:48	4.96	98.12	0.96
2017/02/01 13:03	4.80	105.62	1.08
2017/02/01 13:18	4.80	105.62	1.08
2017/02/01 13:33	4.96	129.10	1.27
2017/02/01 13:48	5.01	130.76	1.27
2017/02/01 14:03	5.01	112.50	1.09
2017/02/01 14:18	5.01	130.76	1.27
2017/02/01 14:33	4.87	109.31	1.09
2017/02/01 14:48	4.72	104.79	1.09
2017/02/01 15:03	4.72	105.21	1.09
2017/02/01 15:18	4.65	104.10	1.10
2017/02/01 15:33	4.65	103.33	1.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 15:48	4.65	94.72	1.00
2017/02/01 16:03	4.65	102.08	1.08
2017/02/01 16:18	4.65	102.08	1.08
2017/02/01 16:33	4.84	99.44	1.00
2017/02/01 16:48	4.84	100.42	1.01
2017/02/01 17:03	4.94	109.72	1.08
2017/02/01 17:18	4.94	111.94	1.10
2017/02/01 17:33	5.14	132.29	1.25
2017/02/01 17:48	5.14	132.64	1.25
2017/02/01 18:03	5.18	133.89	1.25
2017/02/01 18:18	5.18	133.54	1.25
2017/02/01 18:33	5.15	120.69	1.13
2017/02/01 18:48	5.15	106.53	1.00
2017/02/01 19:03	5.15	106.53	1.00
2017/02/01 19:18	5.12	92.92	0.88
2017/02/01 19:33	5.12	92.92	0.88
2017/02/01 19:48	5.14	103.75	0.98
2017/02/01 20:03	5.14	109.65	1.03
2017/02/01 20:18	5.41	129.31	1.15
2017/02/01 20:33	5.41	132.22	1.17
2017/02/01 20:48	5.18	158.26	1.48
2017/02/01 21:03	5.41	166.46	1.48
2017/02/01 21:18	5.40	128.96	1.15
2017/02/01 21:33	5.33	163.61	1.48
2017/02/01 21:48	5.33	126.04	1.14
2017/02/01 22:03	5.33	126.04	1.14
2017/02/01 22:18	5.04	118.12	1.14
2017/02/01 22:33	4.80	103.54	1.05
2017/02/01 22:48	4.77	102.85	1.05
2017/02/01 23:03	4.72	101.39	1.05
2017/02/01 23:18	4.54	96.74	1.05
2017/02/01 23:33	4.30	95.14	1.11
2017/02/01 23:48	4.26	93.96	1.11
2017/02/02 00:03	4.18	83.33	1.01
2017/02/02 00:18	4.15	90.90	1.11
2017/02/02 00:33	4.07	80.56	1.01
2017/02/02 00:48	4.04	75.00	0.95
2017/02/02 01:03	4.02	79.51	1.01
2017/02/02 01:18	3.93	102.29	1.34
2017/02/02 01:33	3.69	81.18	1.15
2017/02/02 01:48	3.68	80.76	1.15
2017/02/02 02:03	3.66	80.42	1.15
2017/02/02 02:18	3.62	79.17	1.15
2017/02/02 02:33	3.66	80.42	1.15
2017/02/02 02:48	3.66	72.99	1.04

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 03:03	3.66	90.62	1.30
2017/02/02 03:18	3.66	90.62	1.30
2017/02/02 03:33	3.71	78.54	1.11
2017/02/02 03:48	3.71	77.92	1.10
2017/02/02 04:03	3.65	77.01	1.11
2017/02/02 04:18	3.65	76.39	1.10
2017/02/02 04:33	3.73	75.49	1.05
2017/02/02 04:48	3.79	76.94	1.05
2017/02/02 05:03	3.96	77.43	1.00
2017/02/02 05:18	3.96	77.43	1.00
2017/02/02 05:33	4.09	80.90	1.00
2017/02/02 05:48	4.26	88.68	1.05
2017/02/02 06:03	4.29	72.15	0.84
2017/02/02 06:18	4.39	78.75	0.90
2017/02/02 06:33	4.40	79.10	0.90
2017/02/02 06:48	4.87	104.44	1.05
2017/02/02 07:03	5.15	122.50	1.15
2017/02/02 07:18	5.34	127.78	1.15
2017/02/02 07:33	5.40	137.50	1.22
2017/02/02 07:48	5.58	142.64	1.22
2017/02/02 08:03	5.58	219.17	1.88
2017/02/02 08:18	5.58	219.17	1.88
2017/02/02 08:33	5.51	216.18	1.88
2017/02/02 08:48	5.41	190.07	1.68
2017/02/02 09:03	5.40	175.97	1.56
2017/02/02 09:18	5.14	150.35	1.41
2017/02/02 09:33	5.14	149.03	1.40
2017/02/02 09:48	5.14	129.58	1.22
2017/02/02 10:03	5.23	132.36	1.22
2017/02/02 10:18	5.26	120.21	1.10
2017/02/02 10:33	5.26	133.19	1.22
2017/02/02 10:48	5.23	119.44	1.10
2017/02/02 11:03	4.97	130.90	1.28
2017/02/02 11:18	4.83	108.82	1.10
2017/02/02 11:33	4.77	101.94	1.05
2017/02/02 11:48	4.77	93.75	0.96
2017/02/02 12:03	4.77	93.75	0.96
2017/02/02 12:18	4.87	96.04	0.96
2017/02/02 12:33	4.93	97.36	0.96
2017/02/02 12:48	4.93	97.36	0.96
2017/02/02 13:03	5.04	99.93	0.96
2017/02/02 13:18	4.87	91.04	0.91
2017/02/02 13:33	4.97	93.12	0.91
2017/02/02 13:48	4.96	92.85	0.91
2017/02/02 14:03	4.96	72.64	0.71

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 14:18	4.96	72.64	0.71
2017/02/02 14:33	4.96	67.22	0.66
2017/02/02 14:48	4.93	66.74	0.66
2017/02/02 15:03	4.93	95.00	0.94
2017/02/02 15:18	4.90	94.37	0.94
2017/02/02 15:33	4.87	77.29	0.77
2017/02/02 15:48	4.90	94.37	0.94
2017/02/02 16:03	4.96	102.78	1.01
2017/02/02 16:18	4.96	104.03	1.02
2017/02/02 16:33	4.96	104.03	1.02
2017/02/02 16:48	4.96	104.03	1.02
2017/02/02 17:03	4.96	99.37	0.98
2017/02/02 17:18	4.97	99.72	0.98
2017/02/02 17:33	4.97	99.72	0.98
2017/02/02 17:48	4.97	102.99	1.01
2017/02/02 18:03	5.02	111.94	1.08
2017/02/02 18:18	5.02	113.68	1.10
2017/02/02 18:33	5.15	116.94	1.10
2017/02/02 18:48	5.21	150.21	1.39
2017/02/02 19:03	5.46	158.40	1.39
2017/02/02 19:18	5.46	158.40	1.39
2017/02/02 19:33	5.39	150.14	1.34
2017/02/02 19:48	5.39	144.65	1.29
2017/02/02 20:03	5.39	144.65	1.29
2017/02/02 20:18	5.39	144.65	1.29
2017/02/02 20:33	5.39	144.65	1.29
2017/02/02 20:48	5.39	144.65	1.29
2017/02/02 21:03	5.29	124.58	1.13
2017/02/02 21:18	5.26	92.50	0.85
2017/02/02 21:33	5.07	88.61	0.85
2017/02/02 21:48	5.07	88.61	0.85
2017/02/02 22:03	5.07	88.61	0.85
2017/02/02 22:18	5.04	109.93	1.06
2017/02/02 22:33	4.91	106.74	1.06
2017/02/02 22:48	5.04	109.93	1.06
2017/02/02 23:03	4.83	104.58	1.06
2017/02/02 23:18	4.83	104.58	1.06
2017/02/02 23:33	4.80	95.90	0.98
2017/02/02 23:48	4.80	95.90	0.98
2017/02/03 00:03	4.64	91.94	0.98
2017/02/03 00:18	4.61	91.25	0.98
2017/02/03 00:33	4.21	84.31	1.01
2017/02/03 00:48	4.19	159.65	1.92
2017/02/03 01:03	3.89	150.76	2.00
2017/02/03 01:18	3.87	144.37	1.92

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 01:33	3.82	141.74	1.92
2017/02/03 01:48	3.71	127.64	1.80
2017/02/03 02:03	3.69	119.10	1.69
2017/02/03 02:18	3.69	98.75	1.40
2017/02/03 02:33	3.59	115.07	1.69
2017/02/03 02:48	3.54	102.15	1.53
2017/02/03 03:03	3.51	101.04	1.53
2017/02/03 03:18	3.43	97.92	1.53
2017/02/03 03:33	3.36	95.35	1.53
2017/02/03 03:48	3.16	82.78	1.44
2017/02/03 04:03	3.16	80.21	1.39
2017/02/03 04:18	3.16	74.58	1.29
2017/02/03 04:33	3.22	82.08	1.39
2017/02/03 04:48	3.30	69.31	1.14
2017/02/03 05:03	3.44	60.42	0.94
2017/02/03 05:18	3.58	63.12	0.93
2017/02/03 05:33	3.66	65.00	0.93
2017/02/03 05:48	3.82	57.50	0.78
2017/02/03 06:03	3.89	58.89	0.78
2017/02/03 06:18	4.12	63.19	0.78
2017/02/03 06:33	4.21	64.79	0.78
2017/02/03 06:48	4.39	119.17	1.36
2017/02/03 07:03	4.75	131.25	1.36
2017/02/03 07:18	4.98	139.03	1.36
2017/02/03 07:33	5.00	159.24	1.55
2017/02/03 07:48	5.43	175.07	1.55
2017/02/03 08:03	5.43	165.90	1.47
2017/02/03 08:18	5.43	208.05	1.84
2017/02/03 08:33	5.01	171.46	1.66
2017/02/03 08:48	5.00	160.49	1.56
2017/02/03 09:03	4.86	165.28	1.66
2017/02/03 09:18	4.75	160.76	1.66
2017/02/03 09:33	4.75	151.04	1.56
2017/02/03 09:48	4.72	127.36	1.32
2017/02/03 10:03	4.75	127.36	1.32
2017/02/03 10:18	4.75	125.35	1.29
2017/02/03 10:33	4.43	115.14	1.29
2017/02/03 10:48	4.43	117.01	1.32
2017/02/03 11:03	4.43	130.07	1.46
2017/02/03 11:18	4.39	128.54	1.46
2017/02/03 11:33	4.39	160.21	1.82
2017/02/03 11:48	4.46	163.33	1.82
2017/02/03 12:03	4.46	117.92	1.32
2017/02/03 12:18	4.51	119.72	1.32
2017/02/03 12:33	4.58	142.22	1.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 12:48	4.59	137.36	1.48
2017/02/03 13:03	4.64	138.89	1.48
2017/02/03 13:18	4.83	151.67	1.53
2017/02/03 13:33	4.91	152.29	1.51
2017/02/03 13:48	4.91	152.29	1.51
2017/02/03 14:03	5.02	169.31	1.63
2017/02/03 14:18	5.02	169.31	1.63
2017/02/03 14:33	4.73	145.62	1.51
2017/02/03 14:48	4.71	142.71	1.49
2017/02/03 15:03	4.59	122.71	1.32
2017/02/03 15:18	4.58	115.62	1.25
2017/02/03 15:33	4.58	99.10	1.07
2017/02/03 15:48	4.58	99.10	1.07
2017/02/03 16:03	4.66	101.25	1.07
2017/02/03 16:18	4.66	102.57	1.08
2017/02/03 16:33	4.66	136.87	1.44
2017/02/03 16:48	4.59	134.37	1.44
2017/02/03 17:03	4.59	114.65	1.23
2017/02/03 17:18	4.59	114.65	1.23
2017/02/03 17:33	4.59	114.65	1.23
2017/02/03 17:48	4.82	121.32	1.23
2017/02/03 18:03	5.01	127.15	1.23
2017/02/03 18:18	5.01	92.85	0.90
2017/02/03 18:33	5.01	92.85	0.90
2017/02/03 18:48	5.07	94.03	0.90
2017/02/03 19:03	5.01	92.85	0.90
2017/02/03 19:18	5.07	111.74	1.07
2017/02/03 19:33	5.12	118.33	1.12
2017/02/03 19:48	5.14	113.54	1.07
2017/02/03 20:03	5.15	132.71	1.25
2017/02/03 20:18	5.18	133.54	1.25
2017/02/03 20:33	5.18	114.58	1.07
2017/02/03 20:48	5.27	97.64	0.89
2017/02/03 21:03	5.30	117.71	1.07
2017/02/03 21:18	5.27	117.01	1.07
2017/02/03 21:33	5.30	130.69	1.19
2017/02/03 21:48	5.30	130.69	1.19
2017/02/03 22:03	5.25	129.10	1.19
2017/02/03 22:18	5.21	112.78	1.05
2017/02/03 22:33	5.21	110.49	1.02
2017/02/03 22:48	5.00	105.42	1.02
2017/02/03 23:03	4.75	101.25	1.05
2017/02/03 23:18	4.68	96.39	1.01
2017/02/03 23:33	4.61	97.99	1.05
2017/02/03 23:48	4.52	97.08	1.06

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 00:03	4.48	95.97	1.06
2017/02/04 00:18	4.33	90.76	1.05
2017/02/04 00:33	4.30	90.00	1.05
2017/02/04 00:48	4.19	89.79	1.08
2017/02/04 01:03	3.91	87.64	1.15
2017/02/04 01:18	3.84	85.69	1.15
2017/02/04 01:33	3.77	83.68	1.15
2017/02/04 01:48	3.52	76.53	1.15
2017/02/04 02:03	3.50	52.57	0.80
2017/02/04 02:18	3.46	51.74	0.80
2017/02/04 02:33	3.46	47.29	0.73
2017/02/04 02:48	3.46	40.90	0.63
2017/02/04 03:03	3.23	43.26	0.73
2017/02/04 03:18	3.33	49.79	0.81
2017/02/04 03:33	3.23	64.03	1.08
2017/02/04 03:48	3.16	62.15	1.08
2017/02/04 04:03	3.23	64.03	1.08
2017/02/04 04:18	3.26	64.72	1.08
2017/02/04 04:33	3.26	59.51	0.99
2017/02/04 04:48	3.37	59.17	0.94
2017/02/04 05:03	3.37	59.17	0.94
2017/02/04 05:18	3.39	70.83	1.12
2017/02/04 05:33	3.44	60.76	0.94
2017/02/04 05:48	3.48	61.74	0.94
2017/02/04 06:03	3.50	45.69	0.69
2017/02/04 06:18	3.51	45.97	0.69
2017/02/04 06:33	3.58	47.15	0.69
2017/02/04 06:48	3.72	49.65	0.70
2017/02/04 07:03	3.77	55.49	0.76
2017/02/04 07:18	4.00	70.21	0.90
2017/02/04 07:33	4.27	97.36	1.14
2017/02/04 07:48	4.37	100.14	1.14
2017/02/04 08:03	4.76	107.85	1.11
2017/02/04 08:18	4.84	110.07	1.11
2017/02/04 08:33	4.94	116.11	1.14
2017/02/04 08:48	4.94	124.03	1.22
2017/02/04 09:03	5.02	130.28	1.26
2017/02/04 09:18	4.98	129.03	1.26
2017/02/04 09:33	4.98	129.03	1.26
2017/02/04 09:48	5.08	155.00	1.48
2017/02/04 10:03	5.18	168.75	1.57
2017/02/04 10:18	5.18	168.75	1.57
2017/02/04 10:33	5.39	179.24	1.60
2017/02/04 10:48	5.39	179.24	1.60
2017/02/04 11:03	5.36	178.19	1.60

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 11:18	5.36	193.33	1.73
2017/02/04 11:33	5.36	193.33	1.73
2017/02/04 11:48	5.36	167.29	1.50
2017/02/04 12:03	5.22	150.62	1.39
2017/02/04 12:18	5.18	158.12	1.47
2017/02/04 12:33	5.18	158.12	1.47
2017/02/04 12:48	5.08	153.26	1.46
2017/02/04 13:03	5.07	154.17	1.47
2017/02/04 13:18	5.07	161.18	1.54
2017/02/04 13:33	5.08	176.32	1.68
2017/02/04 13:48	5.00	158.61	1.54
2017/02/04 14:03	5.08	161.74	1.54
2017/02/04 14:18	5.08	130.83	1.25
2017/02/04 14:33	5.08	130.83	1.25
2017/02/04 14:48	4.98	127.92	1.25
2017/02/04 15:03	4.98	92.36	0.90
2017/02/04 15:18	4.98	66.87	0.65
2017/02/04 15:33	4.68	124.72	1.31
2017/02/04 15:48	4.68	62.01	0.65
2017/02/04 16:03	4.86	64.86	0.65
2017/02/04 16:18	4.98	116.94	1.14
2017/02/04 16:33	4.96	133.61	1.31
2017/02/04 16:48	4.98	116.94	1.14
2017/02/04 17:03	5.02	140.21	1.35
2017/02/04 17:18	5.02	118.12	1.14
2017/02/04 17:33	4.98	127.57	1.24
2017/02/04 17:48	5.00	127.99	1.24
2017/02/04 18:03	4.98	138.89	1.35
2017/02/04 18:18	4.98	168.61	1.64
2017/02/04 18:33	4.98	168.61	1.64
2017/02/04 18:48	5.00	173.68	1.69
2017/02/04 19:03	5.00	169.17	1.64
2017/02/04 19:18	5.00	136.67	1.33
2017/02/04 19:33	5.05	128.54	1.23
2017/02/04 19:48	5.05	128.54	1.23
2017/02/04 20:03	4.97	116.60	1.14
2017/02/04 20:18	4.97	116.11	1.14
2017/02/04 20:33	4.91	107.78	1.07
2017/02/04 20:48	4.91	114.58	1.14
2017/02/04 21:03	4.91	114.58	1.14
2017/02/04 21:18	5.00	129.86	1.26
2017/02/04 21:33	4.89	139.03	1.39
2017/02/04 21:48	4.89	139.03	1.39
2017/02/04 22:03	4.72	121.39	1.26
2017/02/04 22:18	4.46	109.31	1.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 22:33	4.44	107.64	1.21
2017/02/04 22:48	4.37	85.97	0.98
2017/02/04 23:03	4.32	84.58	0.98
2017/02/04 23:18	4.32	84.58	0.98
2017/02/04 23:33	4.32	84.58	0.98
2017/02/04 23:48	4.27	93.96	1.10
2017/02/05 00:03	4.26	93.96	1.11
2017/02/05 00:18	4.26	97.08	1.14
2017/02/05 00:33	4.08	91.94	1.14
2017/02/05 00:48	4.02	92.43	1.17
2017/02/05 01:03	4.00	92.08	1.18
2017/02/05 01:18	3.97	88.75	1.14
2017/02/05 01:33	3.89	83.89	1.11
2017/02/05 01:48	3.89	86.39	1.14
2017/02/05 02:03	3.89	86.39	1.14
2017/02/05 02:18	3.83	84.79	1.14
2017/02/05 02:33	3.57	113.61	1.68
2017/02/05 02:48	3.57	114.93	1.70
2017/02/05 03:03	3.57	114.93	1.70
2017/02/05 03:18	3.55	114.37	1.70
2017/02/05 03:33	3.52	91.32	1.37
2017/02/05 03:48	3.51	90.90	1.37
2017/02/05 04:03	3.43	88.06	1.37
2017/02/05 04:18	3.34	107.71	1.73
2017/02/05 04:33	3.29	105.28	1.73
2017/02/05 04:48	3.29	105.28	1.73
2017/02/05 05:03	3.34	100.07	1.61
2017/02/05 05:18	3.37	77.78	1.24
2017/02/05 05:33	3.46	70.69	1.09
2017/02/05 05:48	3.48	71.53	1.09
2017/02/05 06:03	3.50	71.94	1.09
2017/02/05 06:18	3.62	75.21	1.09
2017/02/05 06:33	3.64	75.69	1.09
2017/02/05 06:48	3.76	80.49	1.11
2017/02/05 07:03	3.79	81.25	1.11
2017/02/05 07:18	3.94	68.75	0.89
2017/02/05 07:33	4.08	88.26	1.10
2017/02/05 07:48	4.18	90.90	1.10
2017/02/05 08:03	4.33	95.07	1.10
2017/02/05 08:18	4.52	100.42	1.10
2017/02/05 08:33	4.64	110.76	1.18
2017/02/05 08:48	4.76	116.74	1.20
2017/02/05 09:03	4.76	118.61	1.22
2017/02/05 09:18	4.77	141.67	1.45
2017/02/05 09:33	4.96	164.24	1.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 09:48	4.84	159.86	1.61
2017/02/05 10:03	4.84	159.86	1.61
2017/02/05 10:18	4.94	147.57	1.45
2017/02/05 10:33	5.05	114.72	1.10
2017/02/05 10:48	5.05	114.72	1.10
2017/02/05 11:03	5.05	174.86	1.68
2017/02/05 11:18	5.05	148.26	1.42
2017/02/05 11:33	5.05	157.99	1.52
2017/02/05 11:48	5.33	167.99	1.52
2017/02/05 12:03	5.29	166.53	1.52
2017/02/05 12:18	5.29	166.53	1.52
2017/02/05 12:33	5.26	165.56	1.52
2017/02/05 12:48	5.26	178.68	1.64
2017/02/05 13:03	5.26	178.68	1.64
2017/02/05 13:18	5.15	176.94	1.66
2017/02/05 13:33	5.15	176.94	1.66
2017/02/05 13:48	5.15	176.94	1.66
2017/02/05 14:03	5.15	170.00	1.59
2017/02/05 14:18	5.11	168.40	1.59
2017/02/05 14:33	5.11	168.40	1.59
2017/02/05 14:48	5.11	149.37	1.41
2017/02/05 15:03	5.09	148.89	1.41
2017/02/05 15:18	4.91	142.78	1.41
2017/02/05 15:33	4.71	113.33	1.18
2017/02/05 15:48	4.66	90.97	0.96
2017/02/05 16:03	4.58	82.64	0.89
2017/02/05 16:18	4.33	83.06	0.96
2017/02/05 16:33	4.33	83.06	0.96
2017/02/05 16:48	4.33	96.67	1.12
2017/02/05 17:03	4.27	99.79	1.17
2017/02/05 17:18	4.51	118.61	1.30
2017/02/05 17:33	4.54	120.90	1.32
2017/02/05 17:48	4.54	119.51	1.30
2017/02/05 18:03	4.72	125.35	1.30
2017/02/05 18:18	4.84	130.07	1.31
2017/02/05 18:33	4.72	126.04	1.31
2017/02/05 18:48	4.82	129.17	1.31
2017/02/05 19:03	4.72	136.18	1.42
2017/02/05 19:18	4.80	139.10	1.42
2017/02/05 19:33	4.61	113.75	1.22
2017/02/05 19:48	4.80	139.10	1.42
2017/02/05 20:03	4.80	139.10	1.42
2017/02/05 20:18	5.00	150.00	1.46
2017/02/05 20:33	5.02	158.75	1.53
2017/02/05 20:48	5.15	189.03	1.77

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 21:03	5.02	183.68	1.77
2017/02/05 21:18	5.02	158.75	1.53
2017/02/05 21:33	4.87	153.06	1.53
2017/02/05 21:48	4.62	128.68	1.37
2017/02/05 22:03	4.47	118.12	1.31
2017/02/05 22:18	4.47	118.12	1.31
2017/02/05 22:33	4.33	92.99	1.07
2017/02/05 22:48	4.39	94.44	1.07
2017/02/05 23:03	4.39	87.50	0.99
2017/02/05 23:18	4.32	96.67	1.12
2017/02/05 23:33	4.23	82.01	0.98
2017/02/05 23:48	4.12	79.37	0.98
2017/02/06 00:03	4.07	77.99	0.98
2017/02/06 00:18	4.07	92.15	1.15
2017/02/06 00:33	4.05	91.74	1.15
2017/02/06 00:48	3.87	86.60	1.15
2017/02/06 01:03	3.73	82.57	1.15
2017/02/06 01:18	3.61	72.71	1.06
2017/02/06 01:33	3.51	70.21	1.06
2017/02/06 01:48	3.48	66.67	1.02
2017/02/06 02:03	3.46	68.75	1.06
2017/02/06 02:18	3.44	65.62	1.02
2017/02/06 02:33	3.39	70.83	1.12
2017/02/06 02:48	3.36	58.75	0.94
2017/02/06 03:03	3.33	69.31	1.12
2017/02/06 03:18	3.33	87.43	1.42
2017/02/06 03:33	3.39	89.31	1.42
2017/02/06 03:48	3.48	76.32	1.17
2017/02/06 04:03	3.51	77.15	1.17
2017/02/06 04:18	3.55	53.75	0.80
2017/02/06 04:33	3.66	55.97	0.80
2017/02/06 04:48	3.66	75.14	1.07
2017/02/06 05:03	3.66	55.28	0.79
2017/02/06 05:18	3.68	54.72	0.78
2017/02/06 05:33	3.68	75.56	1.07
2017/02/06 05:48	4.02	84.79	1.07
2017/02/06 06:03	4.15	94.79	1.16
2017/02/06 06:18	4.86	127.64	1.28
2017/02/06 06:33	5.04	133.19	1.28
2017/02/06 06:48	5.04	120.07	1.16
2017/02/06 07:03	5.05	124.72	1.20
2017/02/06 07:18	5.25	130.28	1.20
2017/02/06 07:33	5.25	130.28	1.20
2017/02/06 07:48	5.80	227.71	1.87
2017/02/06 08:03	5.80	232.15	1.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 08:18	5.80	232.15	1.91
2017/02/06 08:33	5.73	229.17	1.91
2017/02/06 08:48	5.72	228.61	1.91
2017/02/06 09:03	5.70	226.53	1.90
2017/02/06 09:18	5.51	217.78	1.89
2017/02/06 09:33	5.51	218.12	1.90
2017/02/06 09:48	5.51	217.78	1.89
2017/02/06 10:03	5.52	218.33	1.89
2017/02/06 10:18	5.68	177.43	1.49
2017/02/06 10:33	5.68	177.43	1.49
2017/02/06 10:48	5.70	178.40	1.49
2017/02/06 11:03	5.70	181.80	1.52
2017/02/06 11:18	5.22	164.72	1.52
2017/02/06 11:33	4.86	151.46	1.52
2017/02/06 11:48	4.73	146.81	1.52
2017/02/06 12:03	4.59	133.96	1.44
2017/02/06 12:18	4.52	127.01	1.39
2017/02/06 12:33	4.50	126.04	1.39
2017/02/06 12:48	4.41	127.50	1.44
2017/02/06 13:03	4.50	134.24	1.48
2017/02/06 13:18	4.50	134.24	1.48
2017/02/06 13:33	4.50	134.24	1.48
2017/02/06 13:48	4.77	132.15	1.36
2017/02/06 14:03	4.77	116.81	1.20
2017/02/06 14:18	4.77	113.12	1.16
2017/02/06 14:33	4.75	112.29	1.16
2017/02/06 14:48	4.75	106.53	1.10
2017/02/06 15:03	4.69	101.39	1.06
2017/02/06 15:18	4.66	91.60	0.97
2017/02/06 15:33	4.65	90.83	0.96
2017/02/06 15:48	4.65	93.26	0.99
2017/02/06 16:03	4.65	90.83	0.96
2017/02/06 16:18	4.66	91.11	0.96
2017/02/06 16:33	4.79	96.60	0.99
2017/02/06 16:48	4.83	103.33	1.05
2017/02/06 17:03	4.83	105.90	1.07
2017/02/06 17:18	4.83	105.90	1.07
2017/02/06 17:33	5.01	110.62	1.07
2017/02/06 17:48	5.08	112.43	1.07
2017/02/06 18:03	5.26	140.35	1.28
2017/02/06 18:18	5.36	143.33	1.28
2017/02/06 18:33	5.68	152.78	1.28
2017/02/06 18:48	5.58	149.93	1.28
2017/02/06 19:03	5.58	133.75	1.15
2017/02/06 19:18	5.36	127.78	1.15

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 19:33	5.33	127.92	1.15
2017/02/06 19:48	5.32	153.19	1.39
2017/02/06 20:03	5.25	150.90	1.39
2017/02/06 20:18	5.23	150.42	1.39
2017/02/06 20:33	5.23	157.22	1.45
2017/02/06 20:48	5.12	153.40	1.45
2017/02/06 21:03	5.04	140.69	1.35
2017/02/06 21:18	4.98	138.40	1.35
2017/02/06 21:33	4.96	137.99	1.35
2017/02/06 21:48	4.87	134.79	1.35
2017/02/06 22:03	4.87	94.24	0.94
2017/02/06 22:18	4.96	96.11	0.94
2017/02/06 22:33	4.96	96.11	0.94
2017/02/06 22:48	4.84	93.54	0.94
2017/02/06 23:03	4.39	92.08	1.05
2017/02/06 23:18	4.39	103.19	1.17
2017/02/06 23:33	4.39	103.19	1.17
2017/02/06 23:48	4.34	102.01	1.17
2017/02/07 00:03	3.93	88.96	1.16
2017/02/07 00:18	3.93	74.51	0.97
2017/02/07 00:33	3.93	74.51	0.97
2017/02/07 00:48	3.93	67.36	0.88
2017/02/07 01:03	3.93	67.36	0.88
2017/02/07 01:18	3.76	65.28	0.90
2017/02/07 01:33	3.47	62.22	0.96
2017/02/07 01:48	3.43	61.25	0.96
2017/02/07 02:03	3.43	64.86	1.01
2017/02/07 02:18	3.44	61.60	0.96
2017/02/07 02:33	3.44	61.60	0.96
2017/02/07 02:48	3.40	58.47	0.92
2017/02/07 03:03	3.37	57.85	0.92
2017/02/07 03:18	3.32	56.60	0.92
2017/02/07 03:33	3.32	63.33	1.03
2017/02/07 03:48	3.32	63.33	1.03
2017/02/07 04:03	3.47	67.22	1.03
2017/02/07 04:18	3.50	54.17	0.82
2017/02/07 04:33	3.50	54.17	0.82
2017/02/07 04:48	3.47	43.82	0.67
2017/02/07 05:03	3.50	47.85	0.73
2017/02/07 05:18	3.59	49.58	0.73
2017/02/07 05:33	3.59	49.58	0.73
2017/02/07 05:48	3.84	50.69	0.68
2017/02/07 06:03	3.91	55.35	0.73
2017/02/07 06:18	4.15	77.36	0.94
2017/02/07 06:33	4.33	91.39	1.06

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 06:48	4.73	115.00	1.19
2017/02/07 07:03	5.08	155.83	1.48
2017/02/07 07:18	5.27	172.22	1.57
2017/02/07 07:33	5.34	174.79	1.57
2017/02/07 07:48	5.34	174.79	1.57
2017/02/07 08:03	5.34	174.79	1.57
2017/02/07 08:18	5.08	157.57	1.50
2017/02/07 08:33	5.04	156.04	1.50
2017/02/07 08:48	4.94	152.50	1.50
2017/02/07 09:03	4.73	144.93	1.50
2017/02/07 09:18	4.64	128.96	1.37
2017/02/07 09:33	4.57	100.14	1.08
2017/02/07 09:48	4.57	100.14	1.08
2017/02/07 10:03	4.64	101.94	1.08
2017/02/07 10:18	4.64	101.94	1.08
2017/02/07 10:33	4.51	127.08	1.40
2017/02/07 10:48	4.51	127.08	1.40
2017/02/07 11:03	4.51	125.28	1.38
2017/02/07 11:18	4.51	125.28	1.38
2017/02/07 11:33	4.77	136.18	1.40
2017/02/07 11:48	4.77	134.24	1.38
2017/02/07 12:03	4.86	164.37	1.65
2017/02/07 12:18	4.86	164.37	1.65
2017/02/07 12:33	4.76	142.64	1.47
2017/02/07 12:48	4.57	111.53	1.21
2017/02/07 13:03	4.57	135.62	1.47
2017/02/07 13:18	4.43	118.96	1.34
2017/02/07 13:33	4.43	118.96	1.34
2017/02/07 13:48	4.43	118.96	1.34
2017/02/07 14:03	4.43	118.96	1.34
2017/02/07 14:18	4.43	118.96	1.34
2017/02/07 14:33	4.47	110.97	1.23
2017/02/07 14:48	4.61	113.75	1.22
2017/02/07 15:03	4.64	116.04	1.23
2017/02/07 15:18	4.64	116.04	1.23
2017/02/07 15:33	4.64	100.28	1.07
2017/02/07 15:48	4.64	100.28	1.07
2017/02/07 16:03	4.64	112.78	1.20
2017/02/07 16:18	4.64	112.78	1.20
2017/02/07 16:33	4.71	120.49	1.26
2017/02/07 16:48	4.71	125.49	1.31
2017/02/07 17:03	4.73	128.68	1.33
2017/02/07 17:18	4.73	150.97	1.56
2017/02/07 17:33	4.87	156.25	1.56
2017/02/07 17:48	5.00	160.97	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 18:03	5.00	159.72	1.55
2017/02/07 18:18	5.00	156.74	1.52
2017/02/07 18:33	4.97	155.69	1.52
2017/02/07 18:48	4.97	157.92	1.54
2017/02/07 19:03	4.97	155.69	1.52
2017/02/07 19:18	5.21	164.37	1.52
2017/02/07 19:33	5.37	167.99	1.50
2017/02/07 19:48	5.37	149.72	1.34
2017/02/07 20:03	5.48	153.12	1.34
2017/02/07 20:18	5.54	154.86	1.34
2017/02/07 20:33	5.48	156.46	1.37
2017/02/07 20:48	5.41	154.24	1.37
2017/02/07 21:03	5.41	158.89	1.41
2017/02/07 21:18	5.40	158.47	1.41
2017/02/07 21:33	5.37	152.92	1.37
2017/02/07 21:48	5.15	150.14	1.41
2017/02/07 22:03	5.08	167.01	1.59
2017/02/07 22:18	4.94	161.67	1.59
2017/02/07 22:33	4.77	141.39	1.45
2017/02/07 22:48	4.72	139.37	1.45
2017/02/07 23:03	4.68	137.64	1.45
2017/02/07 23:18	4.59	98.33	1.06
2017/02/07 23:33	4.37	73.68	0.84
2017/02/07 23:48	4.25	71.04	0.84
2017/02/08 00:03	4.21	79.72	0.96
2017/02/08 00:18	4.12	77.71	0.96
2017/02/08 00:33	4.12	69.51	0.85
2017/02/08 00:48	4.02	75.42	0.96
2017/02/08 01:03	3.80	76.53	1.04
2017/02/08 01:18	3.72	67.50	0.95
2017/02/08 01:33	3.72	69.37	0.97
2017/02/08 01:48	3.69	68.68	0.97
2017/02/08 02:03	3.69	68.68	0.97
2017/02/08 02:18	3.66	67.99	0.97
2017/02/08 02:33	3.80	71.39	0.97
2017/02/08 02:48	3.66	72.92	1.04
2017/02/08 03:03	3.64	72.22	1.04
2017/02/08 03:18	3.64	63.75	0.92
2017/02/08 03:33	3.64	63.75	0.92
2017/02/08 03:48	3.64	107.15	1.55
2017/02/08 04:03	3.64	104.72	1.51
2017/02/08 04:18	3.71	109.86	1.55
2017/02/08 04:33	3.64	109.79	1.59
2017/02/08 04:48	3.71	116.46	1.64
2017/02/08 05:03	3.71	112.57	1.59

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 05:18	3.71	112.57	1.59
2017/02/08 05:33	3.71	75.69	1.07
2017/02/08 05:48	3.98	77.29	0.99
2017/02/08 06:03	3.98	60.42	0.78
2017/02/08 06:18	3.98	60.42	0.78
2017/02/08 06:33	4.22	64.93	0.78
2017/02/08 06:48	4.65	122.50	1.30
2017/02/08 07:03	4.87	129.58	1.30
2017/02/08 07:18	4.97	135.14	1.32
2017/02/08 07:33	4.87	132.01	1.32
2017/02/08 07:48	5.12	140.35	1.32
2017/02/08 08:03	5.12	137.57	1.30
2017/02/08 08:18	5.34	144.37	1.30
2017/02/08 08:33	5.32	143.54	1.30
2017/02/08 08:48	5.32	143.54	1.30
2017/02/08 09:03	5.32	134.31	1.21
2017/02/08 09:18	5.18	130.28	1.21
2017/02/08 09:33	5.18	198.40	1.85
2017/02/08 09:48	5.18	139.58	1.30
2017/02/08 10:03	5.18	198.40	1.85
2017/02/08 10:18	5.18	198.40	1.85
2017/02/08 10:33	5.19	149.24	1.39
2017/02/08 10:48	5.19	149.24	1.39
2017/02/08 11:03	5.19	150.07	1.39
2017/02/08 11:18	5.19	149.24	1.39
2017/02/08 11:33	5.19	150.07	1.39
2017/02/08 11:48	5.01	163.12	1.58
2017/02/08 12:03	4.79	154.58	1.58
2017/02/08 12:18	4.79	154.58	1.58
2017/02/08 12:33	5.00	162.57	1.58
2017/02/08 12:48	4.76	162.85	1.68
2017/02/08 13:03	4.82	143.47	1.46
2017/02/08 13:18	4.82	143.47	1.46
2017/02/08 13:33	4.82	113.96	1.16
2017/02/08 13:48	4.82	113.96	1.16
2017/02/08 14:03	4.82	113.96	1.16
2017/02/08 14:18	4.93	117.08	1.16
2017/02/08 14:33	4.93	146.46	1.45
2017/02/08 14:48	4.93	146.46	1.45
2017/02/08 15:03	4.93	146.46	1.45
2017/02/08 15:18	4.91	145.97	1.45
2017/02/08 15:33	4.87	144.51	1.45
2017/02/08 15:48	4.86	144.17	1.45
2017/02/08 16:03	4.69	138.26	1.45
2017/02/08 16:18	4.69	132.15	1.38

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 16:33	4.69	128.82	1.35
2017/02/08 16:48	4.86	125.62	1.26
2017/02/08 17:03	4.90	126.94	1.26
2017/02/08 17:18	4.90	133.33	1.33
2017/02/08 17:33	4.96	135.14	1.33
2017/02/08 17:48	4.96	156.46	1.54
2017/02/08 18:03	4.86	152.85	1.54
2017/02/08 18:18	4.86	152.85	1.54
2017/02/08 18:33	4.86	152.85	1.54
2017/02/08 18:48	4.86	169.58	1.70
2017/02/08 19:03	5.22	197.71	1.83
2017/02/08 19:18	5.22	197.71	1.83
2017/02/08 19:33	5.22	197.71	1.83
2017/02/08 19:48	5.26	193.33	1.77
2017/02/08 20:03	5.05	150.97	1.45
2017/02/08 20:18	5.05	150.97	1.45
2017/02/08 20:33	5.39	161.25	1.44
2017/02/08 20:48	5.39	161.25	1.44
2017/02/08 21:03	5.19	152.71	1.42
2017/02/08 21:18	5.39	159.17	1.42
2017/02/08 21:33	5.19	152.71	1.42
2017/02/08 21:48	5.16	173.75	1.63
2017/02/08 22:03	5.16	185.00	1.73
2017/02/08 22:18	5.16	185.00	1.73
2017/02/08 22:33	5.14	172.71	1.63
2017/02/08 22:48	5.04	164.65	1.58
2017/02/08 23:03	4.87	131.39	1.32
2017/02/08 23:18	4.52	96.81	1.06
2017/02/08 23:33	4.51	96.39	1.06
2017/02/08 23:48	4.37	78.19	0.89
2017/02/09 00:03	4.18	66.04	0.80
2017/02/09 00:18	4.18	66.04	0.80
2017/02/09 00:33	4.16	65.76	0.80
2017/02/09 00:48	4.14	65.21	0.80
2017/02/09 01:03	3.90	60.56	0.80
2017/02/09 01:18	3.79	63.12	0.86
2017/02/09 01:33	3.79	63.33	0.87
2017/02/09 01:48	3.75	65.42	0.91
2017/02/09 02:03	3.72	70.00	0.98
2017/02/09 02:18	3.57	66.25	0.98
2017/02/09 02:33	3.46	63.61	0.98
2017/02/09 02:48	3.46	63.26	0.98
2017/02/09 03:03	3.46	63.26	0.98
2017/02/09 03:18	3.47	52.71	0.81
2017/02/09 03:33	3.48	52.99	0.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 03:48	3.48	52.99	0.81
2017/02/09 04:03	3.48	52.99	0.81
2017/02/09 04:18	3.54	54.10	0.81
2017/02/09 04:33	3.44	48.40	0.75
2017/02/09 04:48	3.44	53.47	0.83
2017/02/09 05:03	3.55	55.28	0.82
2017/02/09 05:18	3.69	58.12	0.82
2017/02/09 05:33	3.69	58.68	0.83
2017/02/09 05:48	3.76	60.07	0.83
2017/02/09 06:03	4.07	68.96	0.86
2017/02/09 06:18	4.16	87.01	1.06
2017/02/09 06:33	4.23	96.04	1.14
2017/02/09 06:48	4.91	126.74	1.26
2017/02/09 07:03	4.91	126.74	1.26
2017/02/09 07:18	4.91	153.06	1.52
2017/02/09 07:33	4.91	165.69	1.64
2017/02/09 07:48	5.00	176.87	1.72
2017/02/09 08:03	5.14	161.18	1.52
2017/02/09 08:18	5.52	187.92	1.63
2017/02/09 08:33	5.52	191.25	1.66
2017/02/09 08:48	5.54	188.40	1.63
2017/02/09 09:03	5.59	174.93	1.50
2017/02/09 09:18	5.59	174.93	1.50
2017/02/09 09:33	5.59	145.35	1.24
2017/02/09 09:48	6.22	162.29	1.24
2017/02/09 10:03	6.22	141.81	1.08
2017/02/09 10:18	6.22	141.81	1.08
2017/02/09 10:33	5.11	120.35	1.14
2017/02/09 10:48	4.97	116.60	1.14
2017/02/09 11:03	4.91	115.00	1.14
2017/02/09 11:18	4.82	115.49	1.17
2017/02/09 11:33	4.82	155.62	1.58
2017/02/09 11:48	4.82	155.62	1.58
2017/02/09 12:03	4.82	178.19	1.81
2017/02/09 12:18	4.82	155.62	1.58
2017/02/09 12:33	4.94	160.00	1.57
2017/02/09 12:48	4.94	140.14	1.38
2017/02/09 13:03	4.94	160.00	1.57
2017/02/09 13:18	4.86	133.06	1.34
2017/02/09 13:33	4.86	133.06	1.34
2017/02/09 13:48	4.86	133.06	1.34
2017/02/09 14:03	4.86	140.56	1.41
2017/02/09 14:18	4.86	133.06	1.34
2017/02/09 14:33	4.90	141.94	1.41
2017/02/09 14:48	4.90	146.60	1.46

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 15:03	4.84	150.83	1.52
2017/02/09 15:18	5.08	159.51	1.52
2017/02/09 15:33	5.08	159.51	1.52
2017/02/09 15:48	5.08	153.06	1.46
2017/02/09 16:03	5.08	153.06	1.46
2017/02/09 16:18	5.08	152.43	1.45
2017/02/09 16:33	5.08	153.06	1.46
2017/02/09 16:48	5.08	170.69	1.63
2017/02/09 17:03	5.00	184.86	1.80
2017/02/09 17:18	5.00	167.43	1.63
2017/02/09 17:33	5.00	167.43	1.63
2017/02/09 17:48	5.00	160.49	1.56
2017/02/09 18:03	5.00	103.33	1.00
2017/02/09 18:18	5.29	110.35	1.00
2017/02/09 18:33	5.29	154.93	1.41
2017/02/09 18:48	5.29	171.39	1.56
2017/02/09 19:03	5.36	179.72	1.61
2017/02/09 19:18	5.47	207.43	1.82
2017/02/09 19:33	5.47	207.43	1.82
2017/02/09 19:48	5.47	207.43	1.82
2017/02/09 20:03	5.41	197.99	1.75
2017/02/09 20:18	5.41	197.99	1.75
2017/02/09 20:33	5.41	197.99	1.75
2017/02/09 20:48	5.29	192.85	1.75
2017/02/09 21:03	5.29	192.85	1.75
2017/02/09 21:18	5.18	223.05	2.08
2017/02/09 21:33	5.18	170.07	1.59
2017/02/09 21:48	5.18	117.85	1.10
2017/02/09 22:03	5.18	170.07	1.59
2017/02/09 22:18	5.18	146.81	1.37
2017/02/09 22:33	5.16	140.14	1.31
2017/02/09 22:48	5.05	142.71	1.37
2017/02/09 23:03	4.86	136.25	1.37
2017/02/09 23:18	4.64	126.53	1.34
2017/02/09 23:33	4.58	121.60	1.31
2017/02/09 23:48	4.58	100.35	1.08
2017/02/10 00:03	4.36	91.18	1.05
2017/02/10 00:18	4.46	79.51	0.89
2017/02/10 00:33	4.30	76.11	0.89
2017/02/10 00:48	4.26	70.14	0.83
2017/02/10 01:03	3.97	58.33	0.75
2017/02/10 01:18	3.91	45.14	0.59
2017/02/10 01:33	3.86	44.31	0.59
2017/02/10 01:48	3.64	41.04	0.59
2017/02/10 02:03	3.61	41.94	0.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 02:18	3.61	43.12	0.63
2017/02/10 02:33	3.61	49.79	0.73
2017/02/10 02:48	3.64	52.50	0.76
2017/02/10 03:03	3.68	52.22	0.74
2017/02/10 03:18	3.71	53.82	0.76
2017/02/10 03:33	3.68	53.33	0.76
2017/02/10 03:48	3.68	56.67	0.81
2017/02/10 04:03	3.68	53.33	0.76
2017/02/10 04:18	3.62	52.29	0.76
2017/02/10 04:33	3.52	57.36	0.86
2017/02/10 04:48	3.52	51.04	0.77
2017/02/10 05:03	3.62	49.31	0.72
2017/02/10 05:18	3.62	49.31	0.72
2017/02/10 05:33	3.91	58.47	0.77
2017/02/10 05:48	4.01	60.35	0.77
2017/02/10 06:03	4.26	103.82	1.22
2017/02/10 06:18	4.30	105.07	1.22
2017/02/10 06:33	4.44	109.31	1.22
2017/02/10 06:48	4.62	121.46	1.30
2017/02/10 07:03	4.97	132.50	1.30
2017/02/10 07:18	5.36	144.51	1.30
2017/02/10 07:33	5.55	155.97	1.34
2017/02/10 07:48	5.97	168.54	1.34
2017/02/10 08:03	5.97	168.54	1.34
2017/02/10 08:18	5.97	192.85	1.54
2017/02/10 08:33	5.93	166.53	1.34
2017/02/10 08:48	5.93	166.53	1.34
2017/02/10 09:03	5.86	163.61	1.33
2017/02/10 09:18	5.65	172.50	1.46
2017/02/10 09:33	5.61	156.11	1.33
2017/02/10 09:48	5.48	152.29	1.33
2017/02/10 10:03	5.48	152.29	1.33
2017/02/10 10:18	5.48	146.18	1.28
2017/02/10 10:33	5.48	118.75	1.04
2017/02/10 10:48	5.48	146.18	1.28
2017/02/10 11:03	5.51	162.64	1.41
2017/02/10 11:18	5.51	162.64	1.41
2017/02/10 11:33	5.46	160.83	1.41
2017/02/10 11:48	5.46	160.83	1.41
2017/02/10 12:03	5.40	179.03	1.59
2017/02/10 12:18	5.40	162.08	1.44
2017/02/10 12:33	5.37	147.29	1.32
2017/02/10 12:48	5.36	146.87	1.32
2017/02/10 13:03	5.40	162.08	1.44
2017/02/10 13:18	5.36	132.78	1.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 13:33	5.36	132.78	1.19
2017/02/10 13:48	5.36	150.97	1.35
2017/02/10 14:03	5.36	150.97	1.35
2017/02/10 14:18	5.21	112.78	1.05
2017/02/10 14:33	5.12	128.68	1.21
2017/02/10 14:48	4.98	124.58	1.21
2017/02/10 15:03	4.98	118.96	1.16
2017/02/10 15:18	4.98	118.96	1.16
2017/02/10 15:33	4.73	117.22	1.21
2017/02/10 15:48	4.73	111.94	1.16
2017/02/10 16:03	4.98	118.96	1.16
2017/02/10 16:18	4.98	102.22	1.00
2017/02/10 16:33	5.26	145.69	1.33
2017/02/10 16:48	5.26	152.22	1.39
2017/02/10 17:03	5.41	157.22	1.39
2017/02/10 17:18	5.32	134.31	1.21
2017/02/10 17:33	5.32	154.03	1.39
2017/02/10 17:48	5.32	155.21	1.40
2017/02/10 18:03	5.40	136.67	1.21
2017/02/10 18:18	5.40	134.93	1.20
2017/02/10 18:33	5.50	146.25	1.27
2017/02/10 18:48	5.51	146.67	1.27
2017/02/10 19:03	5.54	147.43	1.27
2017/02/10 19:18	5.54	177.64	1.54
2017/02/10 19:33	5.68	183.82	1.55
2017/02/10 19:48	5.68	183.82	1.55
2017/02/10 20:03	5.48	175.69	1.54
2017/02/10 20:18	5.36	172.43	1.55
2017/02/10 20:33	5.36	173.26	1.55
2017/02/10 20:48	5.30	168.54	1.53
2017/02/10 21:03	5.32	169.03	1.53
2017/02/10 21:18	5.32	162.78	1.47
2017/02/10 21:33	5.34	163.75	1.47
2017/02/10 21:48	5.32	160.28	1.45
2017/02/10 22:03	5.32	160.28	1.45
2017/02/10 22:18	5.23	152.08	1.40
2017/02/10 22:33	5.16	143.26	1.34
2017/02/10 22:48	5.15	131.74	1.24
2017/02/10 23:03	5.04	128.47	1.24
2017/02/10 23:18	4.83	122.22	1.24
2017/02/10 23:33	4.75	119.72	1.24
2017/02/10 23:48	4.75	119.72	1.24
2017/02/11 00:03	4.68	111.39	1.17
2017/02/11 00:18	4.62	93.75	1.00
2017/02/11 00:33	4.51	88.75	0.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 00:48	4.43	71.39	0.80
2017/02/11 01:03	4.29	65.76	0.77
2017/02/11 01:18	4.25	65.00	0.77
2017/02/11 01:33	4.25	65.00	0.77
2017/02/11 01:48	4.15	63.12	0.77
2017/02/11 02:03	4.15	63.12	0.77
2017/02/11 02:18	4.14	71.32	0.87
2017/02/11 02:33	4.14	72.92	0.89
2017/02/11 02:48	3.97	69.24	0.89
2017/02/11 03:03	3.94	144.03	1.87
2017/02/11 03:18	3.93	143.40	1.87
2017/02/11 03:33	3.91	59.37	0.78
2017/02/11 03:48	3.89	48.61	0.64
2017/02/11 04:03	3.77	56.74	0.78
2017/02/11 04:18	3.75	56.18	0.78
2017/02/11 04:33	3.71	64.37	0.91
2017/02/11 04:48	3.65	63.12	0.91
2017/02/11 05:03	3.65	64.58	0.93
2017/02/11 05:18	3.69	64.03	0.91
2017/02/11 05:33	3.69	64.03	0.91
2017/02/11 05:48	3.69	65.56	0.93
2017/02/11 06:03	3.79	67.78	0.93
2017/02/11 06:18	3.96	69.37	0.90
2017/02/11 06:33	4.00	102.08	1.30
2017/02/11 06:48	4.04	71.25	0.90
2017/02/11 07:03	4.05	71.60	0.90
2017/02/11 07:18	4.30	80.35	0.94
2017/02/11 07:33	4.65	105.62	1.12
2017/02/11 07:48	4.75	108.33	1.12
2017/02/11 08:03	5.14	122.43	1.15
2017/02/11 08:18	5.44	138.19	1.22
2017/02/11 08:33	5.52	143.54	1.24
2017/02/11 08:48	5.54	164.58	1.42
2017/02/11 09:03	5.54	191.60	1.66
2017/02/11 09:18	5.62	165.14	1.40
2017/02/11 09:33	5.75	199.44	1.66
2017/02/11 09:48	5.80	210.76	1.73
2017/02/11 10:03	5.83	216.74	1.77
2017/02/11 10:18	5.84	230.69	1.88
2017/02/11 10:33	5.84	260.62	2.13
2017/02/11 10:48	5.95	265.83	2.13
2017/02/11 11:03	5.84	261.60	2.13
2017/02/11 11:18	5.84	260.62	2.13
2017/02/11 11:33	5.84	241.04	1.97
2017/02/11 11:48	5.84	241.04	1.97

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 12:03	5.76	187.43	1.55
2017/02/11 12:18	5.69	154.65	1.30
2017/02/11 12:33	5.69	185.00	1.55
2017/02/11 12:48	5.64	159.44	1.35
2017/02/11 13:03	5.57	157.29	1.35
2017/02/11 13:18	5.57	159.79	1.37
2017/02/11 13:33	5.54	158.96	1.37
2017/02/11 13:48	5.47	156.74	1.37
2017/02/11 14:03	5.47	160.90	1.41
2017/02/11 14:18	5.43	176.81	1.56
2017/02/11 14:33	5.43	176.81	1.56
2017/02/11 14:48	5.43	176.81	1.56
2017/02/11 15:03	5.39	169.44	1.51
2017/02/11 15:18	5.39	141.04	1.26
2017/02/11 15:33	5.40	141.46	1.26
2017/02/11 15:48	5.40	105.07	0.93
2017/02/11 16:03	5.54	91.11	0.79
2017/02/11 16:18	5.54	91.11	0.79
2017/02/11 16:33	5.54	124.51	1.08
2017/02/11 16:48	5.54	124.51	1.08
2017/02/11 17:03	5.50	163.40	1.42
2017/02/11 17:18	5.48	168.89	1.48
2017/02/11 17:33	5.47	168.40	1.48
2017/02/11 17:48	5.47	168.40	1.48
2017/02/11 18:03	5.48	173.26	1.51
2017/02/11 18:18	5.54	159.79	1.38
2017/02/11 18:33	5.64	162.92	1.38
2017/02/11 18:48	5.64	165.76	1.41
2017/02/11 19:03	5.54	162.64	1.41
2017/02/11 19:18	5.52	162.22	1.41
2017/02/11 19:33	5.43	159.03	1.41
2017/02/11 19:48	5.40	158.12	1.41
2017/02/11 20:03	5.40	126.87	1.13
2017/02/11 20:18	5.43	181.80	1.61
2017/02/11 20:33	5.40	178.06	1.58
2017/02/11 20:48	5.37	178.06	1.59
2017/02/11 21:03	5.37	177.01	1.58
2017/02/11 21:18	5.33	175.49	1.58
2017/02/11 21:33	5.33	147.85	1.33
2017/02/11 21:48	5.19	143.47	1.33
2017/02/11 22:03	5.19	143.47	1.33
2017/02/11 22:18	5.19	149.37	1.39
2017/02/11 22:33	5.19	149.37	1.39
2017/02/11 22:48	4.94	141.04	1.39
2017/02/11 23:03	4.90	115.14	1.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 23:18	4.90	97.78	0.97
2017/02/11 23:33	4.90	97.78	0.97
2017/02/11 23:48	4.89	105.21	1.05
2017/02/12 00:03	4.72	108.61	1.13
2017/02/12 00:18	4.72	100.97	1.05
2017/02/12 00:33	4.68	99.86	1.05
2017/02/12 00:48	4.55	92.85	1.01
2017/02/12 01:03	4.54	86.81	0.95
2017/02/12 01:18	4.40	82.01	0.93
2017/02/12 01:33	4.33	79.10	0.91
2017/02/12 01:48	4.19	75.97	0.91
2017/02/12 02:03	4.21	75.76	0.91
2017/02/12 02:18	4.19	75.97	0.91
2017/02/12 02:33	4.19	75.49	0.91
2017/02/12 02:48	4.19	75.49	0.91
2017/02/12 03:03	4.15	153.40	1.87
2017/02/12 03:18	4.15	156.94	1.91
2017/02/12 03:33	4.16	154.03	1.87
2017/02/12 03:48	4.15	156.94	1.91
2017/02/12 04:03	4.14	152.78	1.87
2017/02/12 04:18	4.16	139.10	1.69
2017/02/12 04:33	4.12	93.75	1.15
2017/02/12 04:48	4.12	137.36	1.69
2017/02/12 05:03	4.07	110.21	1.38
2017/02/12 05:18	4.07	77.50	0.97
2017/02/12 05:33	4.07	82.64	1.03
2017/02/12 05:48	4.27	96.32	1.13
2017/02/12 06:03	4.27	93.68	1.10
2017/02/12 06:18	4.27	87.99	1.03
2017/02/12 06:33	4.29	88.33	1.03
2017/02/12 06:48	4.34	76.81	0.88
2017/02/12 07:03	4.47	79.51	0.88
2017/02/12 07:18	4.54	80.62	0.88
2017/02/12 07:33	4.80	86.32	0.88
2017/02/12 07:48	4.86	88.26	0.89
2017/02/12 08:03	5.08	114.79	1.09
2017/02/12 08:18	5.47	124.86	1.09
2017/02/12 08:33	5.57	166.74	1.43
2017/02/12 08:48	5.70	214.10	1.79
2017/02/12 09:03	5.73	215.21	1.79
2017/02/12 09:18	5.75	172.57	1.43
2017/02/12 09:33	5.77	173.47	1.43
2017/02/12 09:48	5.82	218.54	1.79
2017/02/12 10:03	5.82	224.37	1.84
2017/02/12 10:18	5.90	232.08	1.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 10:33	5.90	232.08	1.87
2017/02/12 10:48	5.90	227.71	1.84
2017/02/12 11:03	5.90	217.36	1.75
2017/02/12 11:18	5.90	217.36	1.75
2017/02/12 11:33	5.94	218.96	1.75
2017/02/12 11:48	5.94	218.96	1.75
2017/02/12 12:03	5.94	218.96	1.75
2017/02/12 12:18	5.75	159.58	1.32
2017/02/12 12:33	5.75	159.58	1.32
2017/02/12 12:48	5.66	157.08	1.32
2017/02/12 13:03	5.66	157.08	1.32
2017/02/12 13:18	5.66	157.08	1.32
2017/02/12 13:33	5.75	190.42	1.58
2017/02/12 13:48	5.66	170.62	1.44
2017/02/12 14:03	5.64	169.72	1.44
2017/02/12 14:18	5.59	168.33	1.44
2017/02/12 14:33	5.59	168.33	1.44
2017/02/12 14:48	5.46	153.33	1.35
2017/02/12 15:03	5.46	153.33	1.35
2017/02/12 15:18	5.46	153.33	1.35
2017/02/12 15:33	5.46	130.56	1.15
2017/02/12 15:48	5.46	143.96	1.26
2017/02/12 16:03	5.39	150.83	1.34
2017/02/12 16:18	5.39	150.83	1.34
2017/02/12 16:33	5.39	150.83	1.34
2017/02/12 16:48	5.39	180.42	1.61
2017/02/12 17:03	5.46	183.05	1.61
2017/02/12 17:18	5.46	183.05	1.61
2017/02/12 17:33	5.41	150.62	1.34
2017/02/12 17:48	5.41	150.62	1.34
2017/02/12 18:03	5.46	151.94	1.34
2017/02/12 18:18	5.51	171.60	1.49
2017/02/12 18:33	5.55	173.33	1.49
2017/02/12 18:48	5.57	173.82	1.49
2017/02/12 19:03	5.57	173.47	1.49
2017/02/12 19:18	5.57	171.18	1.47
2017/02/12 19:33	5.57	171.18	1.47
2017/02/12 19:48	5.57	171.18	1.47
2017/02/12 20:03	5.66	174.44	1.47
2017/02/12 20:18	5.77	170.56	1.41
2017/02/12 20:33	5.66	189.79	1.60
2017/02/12 20:48	5.66	167.01	1.41
2017/02/12 21:03	5.54	149.58	1.29
2017/02/12 21:18	5.47	147.50	1.29
2017/02/12 21:33	5.47	147.50	1.29

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 21:48	5.47	147.50	1.29
2017/02/12 22:03	5.47	147.50	1.29
2017/02/12 22:18	5.47	178.82	1.57
2017/02/12 22:33	5.47	178.82	1.57
2017/02/12 22:48	5.37	127.15	1.14
2017/02/12 23:03	4.91	97.01	0.96
2017/02/12 23:18	4.68	106.11	1.12
2017/02/12 23:33	4.68	91.46	0.96
2017/02/12 23:48	4.68	91.46	0.96
2017/02/13 00:03	4.68	102.92	1.08
2017/02/13 00:18	4.59	100.69	1.08
2017/02/13 00:33	4.59	92.92	1.00
2017/02/13 00:48	4.59	92.92	1.00
2017/02/13 01:03	4.33	86.39	1.00
2017/02/13 01:18	4.05	79.51	1.00
2017/02/13 01:33	4.05	74.37	0.93
2017/02/13 01:48	4.00	73.06	0.93
2017/02/13 02:03	3.93	123.68	1.62
2017/02/13 02:18	3.93	71.46	0.93
2017/02/13 02:33	3.94	68.26	0.89
2017/02/13 02:48	3.89	67.01	0.89
2017/02/13 03:03	3.94	73.19	0.95
2017/02/13 03:18	3.94	69.10	0.90
2017/02/13 03:33	3.94	71.81	0.93
2017/02/13 03:48	3.94	73.19	0.95
2017/02/13 04:03	3.97	72.43	0.93
2017/02/13 04:18	4.08	75.00	0.93
2017/02/13 04:33	4.11	81.46	1.01
2017/02/13 04:48	4.08	82.99	1.03
2017/02/13 05:03	4.08	80.76	1.01
2017/02/13 05:18	4.12	81.81	1.01
2017/02/13 05:33	4.12	79.86	0.98
2017/02/13 05:48	4.32	77.78	0.90
2017/02/13 06:03	4.52	59.10	0.65
2017/02/13 06:18	4.68	61.53	0.65
2017/02/13 06:33	4.76	62.85	0.65
2017/02/13 06:48	5.33	112.50	1.01
2017/02/13 07:03	5.46	142.71	1.25
2017/02/13 07:18	5.59	153.75	1.31
2017/02/13 07:33	5.76	185.76	1.54
2017/02/13 07:48	5.76	185.76	1.54
2017/02/13 08:03	5.72	186.53	1.56
2017/02/13 08:18	5.75	203.47	1.69
2017/02/13 08:33	5.72	186.53	1.56
2017/02/13 08:48	5.68	185.07	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 09:03	5.72	186.53	1.56
2017/02/13 09:18	5.54	177.85	1.54
2017/02/13 09:33	5.54	165.14	1.43
2017/02/13 09:48	5.54	165.14	1.43
2017/02/13 10:03	5.54	165.14	1.43
2017/02/13 10:18	5.54	165.62	1.43
2017/02/13 10:33	5.59	155.00	1.32
2017/02/13 10:48	5.51	164.72	1.43
2017/02/13 11:03	5.51	164.72	1.43
2017/02/13 11:18	5.58	159.17	1.36
2017/02/13 11:33	5.58	159.17	1.36
2017/02/13 11:48	5.58	189.24	1.62
2017/02/13 12:03	5.65	191.80	1.62
2017/02/13 12:18	5.65	191.80	1.62
2017/02/13 12:33	5.65	191.80	1.62
2017/02/13 12:48	5.57	152.01	1.31
2017/02/13 13:03	5.27	143.12	1.31
2017/02/13 13:18	5.23	98.06	0.90
2017/02/13 13:33	5.23	118.12	1.09
2017/02/13 13:48	5.23	118.12	1.09
2017/02/13 14:03	5.22	145.35	1.34
2017/02/13 14:18	5.22	118.47	1.09
2017/02/13 14:33	5.15	143.12	1.34
2017/02/13 14:48	5.15	143.12	1.34
2017/02/13 15:03	5.04	125.42	1.21
2017/02/13 15:18	5.04	125.42	1.21
2017/02/13 15:33	5.09	127.08	1.21
2017/02/13 15:48	5.09	127.08	1.21
2017/02/13 16:03	5.12	130.00	1.23
2017/02/13 16:18	5.26	134.03	1.23
2017/02/13 16:33	5.26	134.03	1.23
2017/02/13 16:48	5.26	149.86	1.37
2017/02/13 17:03	5.29	150.76	1.37
2017/02/13 17:18	5.29	131.81	1.20
2017/02/13 17:33	5.22	129.86	1.20
2017/02/13 17:48	5.22	122.71	1.13
2017/02/13 18:03	5.29	124.58	1.13
2017/02/13 18:18	5.29	124.58	1.13
2017/02/13 18:33	5.37	140.49	1.26
2017/02/13 18:48	5.48	143.75	1.26
2017/02/13 19:03	5.54	154.86	1.34
2017/02/13 19:18	5.54	154.86	1.34
2017/02/13 19:33	5.48	128.54	1.12
2017/02/13 19:48	5.43	126.39	1.12
2017/02/13 20:03	5.43	127.08	1.12

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 20:18	5.34	124.86	1.12
2017/02/13 20:33	5.34	135.56	1.22
2017/02/13 20:48	5.43	167.29	1.48
2017/02/13 21:03	5.47	168.75	1.48
2017/02/13 21:18	5.47	139.17	1.22
2017/02/13 21:33	5.47	139.17	1.22
2017/02/13 21:48	5.47	148.06	1.30
2017/02/13 22:03	5.47	148.06	1.30
2017/02/13 22:18	5.29	146.04	1.33
2017/02/13 22:33	5.29	148.26	1.35
2017/02/13 22:48	5.21	143.47	1.33
2017/02/13 23:03	5.01	137.22	1.33
2017/02/13 23:18	5.00	133.68	1.30
2017/02/13 23:33	4.71	107.01	1.12
2017/02/13 23:48	4.66	105.90	1.12
2017/02/14 00:03	4.47	80.76	0.90
2017/02/14 00:18	4.43	77.36	0.87
2017/02/14 00:33	4.33	75.56	0.87
2017/02/14 00:48	4.22	75.21	0.90
2017/02/14 01:03	4.15	71.67	0.87
2017/02/14 01:18	4.07	69.79	0.87
2017/02/14 01:33	4.07	73.96	0.92
2017/02/14 01:48	4.07	73.96	0.92
2017/02/14 02:03	4.05	71.11	0.89
2017/02/14 02:18	3.90	74.65	0.98
2017/02/14 02:33	3.86	66.81	0.89
2017/02/14 02:48	3.82	63.96	0.87
2017/02/14 03:03	3.80	58.68	0.80
2017/02/14 03:18	3.72	61.81	0.87
2017/02/14 03:33	3.55	58.26	0.87
2017/02/14 03:48	3.27	53.54	0.89
2017/02/14 04:03	3.23	64.03	1.08
2017/02/14 04:18	3.23	64.03	1.08
2017/02/14 04:33	3.09	54.24	0.97
2017/02/14 04:48	3.27	58.47	0.97
2017/02/14 05:03	3.29	50.21	0.83
2017/02/14 05:18	3.29	50.21	0.83
2017/02/14 05:33	3.29	50.21	0.83
2017/02/14 05:48	3.62	57.01	0.83
2017/02/14 06:03	3.80	63.96	0.87
2017/02/14 06:18	3.96	67.29	0.87
2017/02/14 06:33	4.07	47.01	0.59
2017/02/14 06:48	4.23	73.33	0.87
2017/02/14 07:03	4.34	71.32	0.82
2017/02/14 07:18	4.57	75.83	0.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 07:33	4.71	140.83	1.47
2017/02/14 07:48	4.87	146.81	1.47
2017/02/14 08:03	4.87	116.04	1.16
2017/02/14 08:18	4.89	116.39	1.16
2017/02/14 08:33	4.89	116.39	1.16
2017/02/14 08:48	4.89	116.39	1.16
2017/02/14 09:03	4.86	117.92	1.18
2017/02/14 09:18	4.77	115.49	1.18
2017/02/14 09:33	4.77	120.42	1.23
2017/02/14 09:48	4.69	117.85	1.23
2017/02/14 10:03	4.69	142.50	1.49
2017/02/14 10:18	4.69	109.86	1.15
2017/02/14 10:33	4.90	150.07	1.49
2017/02/14 10:48	4.69	109.86	1.15
2017/02/14 11:03	4.84	114.17	1.15
2017/02/14 11:18	4.84	64.37	0.65
2017/02/14 11:33	4.84	64.37	0.65
2017/02/14 11:48	4.62	60.83	0.65
2017/02/14 12:03	4.66	88.68	0.94
2017/02/14 12:18	4.65	110.56	1.17
2017/02/14 12:33	4.66	121.53	1.28
2017/02/14 12:48	4.66	124.10	1.31
2017/02/14 13:03	4.94	140.42	1.38
2017/02/14 13:18	4.94	140.42	1.38
2017/02/14 13:33	4.94	140.42	1.38
2017/02/14 13:48	4.66	128.06	1.35
2017/02/14 14:03	4.50	117.36	1.29
2017/02/14 14:18	4.44	115.56	1.29
2017/02/14 14:33	4.44	120.62	1.35
2017/02/14 14:48	4.50	120.42	1.33
2017/02/14 15:03	4.50	120.42	1.33
2017/02/14 15:18	4.40	117.22	1.33
2017/02/14 15:33	4.48	104.37	1.16
2017/02/14 15:48	4.48	104.37	1.16
2017/02/14 16:03	4.48	104.37	1.16
2017/02/14 16:18	4.72	126.04	1.31
2017/02/14 16:33	4.72	126.04	1.31
2017/02/14 16:48	4.72	126.04	1.31
2017/02/14 17:03	4.72	126.04	1.31
2017/02/14 17:18	4.72	121.04	1.26
2017/02/14 17:33	5.02	111.74	1.08
2017/02/14 17:48	5.02	123.12	1.19
2017/02/14 18:03	5.02	130.42	1.26
2017/02/14 18:18	4.98	121.94	1.19
2017/02/14 18:33	4.98	80.97	0.79

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 18:48	4.96	121.18	1.19
2017/02/14 19:03	4.98	122.29	1.19
2017/02/14 19:18	5.01	123.06	1.19
2017/02/14 19:33	5.09	148.89	1.41
2017/02/14 19:48	5.18	151.74	1.41
2017/02/14 20:03	5.18	165.49	1.54
2017/02/14 20:18	5.18	165.49	1.54
2017/02/14 20:33	5.14	139.93	1.32
2017/02/14 20:48	5.14	117.71	1.11
2017/02/14 21:03	5.14	117.71	1.11
2017/02/14 21:18	5.14	117.71	1.11
2017/02/14 21:33	5.12	117.36	1.11
2017/02/14 21:48	5.05	122.50	1.17
2017/02/14 22:03	5.05	130.28	1.25
2017/02/14 22:18	5.00	128.61	1.25
2017/02/14 22:33	4.86	124.44	1.25
2017/02/14 22:48	4.77	121.87	1.25
2017/02/14 23:03	4.55	109.44	1.19
2017/02/14 23:18	4.52	108.61	1.19
2017/02/14 23:33	4.47	97.22	1.08
2017/02/14 23:48	4.37	97.15	1.11
2017/02/15 00:03	4.37	97.15	1.11
2017/02/15 00:18	4.26	89.44	1.05
2017/02/15 00:33	4.21	63.54	0.76
2017/02/15 00:48	3.84	54.79	0.74
2017/02/15 01:03	3.66	51.46	0.74
2017/02/15 01:18	3.64	52.78	0.76
2017/02/15 01:33	3.64	63.75	0.92
2017/02/15 01:48	3.66	65.21	0.93
2017/02/15 02:03	3.55	62.64	0.93
2017/02/15 02:18	3.72	66.53	0.93
2017/02/15 02:33	3.72	66.53	0.93
2017/02/15 02:48	3.71	67.15	0.95
2017/02/15 03:03	3.58	64.24	0.95
2017/02/15 03:18	3.58	64.24	0.95
2017/02/15 03:33	3.58	49.93	0.74
2017/02/15 03:48	3.58	49.31	0.73
2017/02/15 04:03	3.58	49.31	0.73
2017/02/15 04:18	3.62	50.69	0.74
2017/02/15 04:33	3.64	51.87	0.75
2017/02/15 04:48	3.64	53.26	0.77
2017/02/15 05:03	3.65	58.12	0.83
2017/02/15 05:18	3.73	110.07	1.54
2017/02/15 05:33	3.73	110.07	1.54
2017/02/15 05:48	3.94	117.99	1.54

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 06:03	4.14	77.57	0.95
2017/02/15 06:18	4.30	81.53	0.95
2017/02/15 06:33	4.34	82.50	0.95
2017/02/15 06:48	4.84	129.58	1.31
2017/02/15 07:03	4.91	131.81	1.31
2017/02/15 07:18	5.05	147.15	1.41
2017/02/15 07:33	5.61	190.83	1.63
2017/02/15 07:48	5.61	190.83	1.63
2017/02/15 08:03	5.48	186.18	1.63
2017/02/15 08:18	5.48	186.18	1.63
2017/02/15 08:33	5.44	174.72	1.54
2017/02/15 08:48	5.25	156.25	1.43
2017/02/15 09:03	5.11	162.57	1.54
2017/02/15 09:18	5.11	156.60	1.48
2017/02/15 09:33	5.11	162.57	1.54
2017/02/15 09:48	5.11	175.14	1.66
2017/02/15 10:03	5.11	175.14	1.66
2017/02/15 10:18	4.90	171.46	1.70
2017/02/15 10:33	4.90	188.33	1.87
2017/02/15 10:48	5.15	199.58	1.87
2017/02/15 11:03	5.15	199.58	1.87
2017/02/15 11:18	5.15	199.58	1.87
2017/02/15 11:33	5.15	187.71	1.76
2017/02/15 11:48	5.14	186.32	1.75
2017/02/15 12:03	5.00	160.83	1.56
2017/02/15 12:18	4.82	143.12	1.45
2017/02/15 12:33	4.82	145.14	1.47
2017/02/15 12:48	4.82	145.14	1.47
2017/02/15 13:03	4.91	146.60	1.45
2017/02/15 13:18	4.91	148.61	1.47
2017/02/15 13:33	4.91	150.90	1.50
2017/02/15 13:48	4.65	141.25	1.50
2017/02/15 14:03	4.65	141.25	1.50
2017/02/15 14:18	4.65	142.71	1.51
2017/02/15 14:33	4.76	145.35	1.50
2017/02/15 14:48	4.76	142.22	1.46
2017/02/15 15:03	4.76	146.81	1.51
2017/02/15 15:18	4.62	137.22	1.46
2017/02/15 15:33	4.57	126.60	1.37
2017/02/15 15:48	4.57	124.24	1.34
2017/02/15 16:03	4.62	126.04	1.34
2017/02/15 16:18	4.71	128.82	1.34
2017/02/15 16:33	4.83	123.75	1.25
2017/02/15 16:48	4.83	123.75	1.25
2017/02/15 17:03	4.83	125.97	1.27


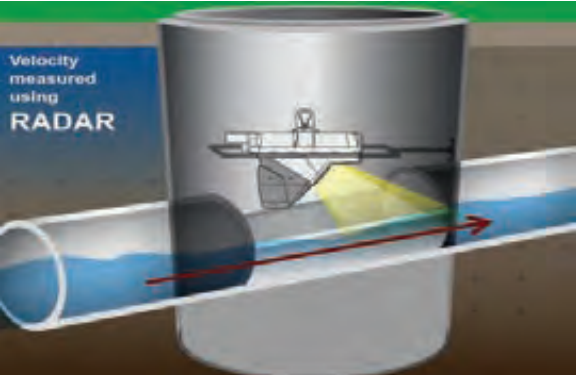

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 17:18	4.89	127.71	1.27
2017/02/15 17:33	4.91	128.61	1.27
2017/02/15 17:48	4.97	133.54	1.31
2017/02/15 18:03	5.04	144.03	1.39
2017/02/15 18:18	5.04	144.93	1.39
2017/02/15 18:33	5.04	161.74	1.56
2017/02/15 18:48	5.32	172.08	1.56
2017/02/15 19:03	5.33	182.08	1.64
2017/02/15 19:18	5.32	161.25	1.46
2017/02/15 19:33	5.32	181.53	1.64
2017/02/15 19:48	5.22	157.92	1.46
2017/02/15 20:03	5.22	157.92	1.46
2017/02/15 20:18	5.22	139.44	1.29
2017/02/15 20:33	5.29	141.53	1.29
2017/02/15 20:48	5.34	143.19	1.29
2017/02/15 21:03	5.34	171.39	1.54
2017/02/15 21:18	5.57	179.30	1.54
2017/02/15 21:33	5.57	179.30	1.54
2017/02/15 21:48	5.39	166.74	1.49
2017/02/15 22:03	5.30	163.82	1.49
2017/02/15 22:18	5.12	147.08	1.39
2017/02/15 22:33	5.12	147.08	1.39
2017/02/15 22:48	5.12	147.08	1.39
2017/02/15 23:03	5.04	144.31	1.39
2017/02/15 23:18	5.04	130.69	1.26
2017/02/15 23:33	4.58	88.19	0.95
2017/02/15 23:48	4.40	81.81	0.93
2017/02/16 00:03	4.19	72.15	0.87
2017/02/16 00:18	4.18	67.57	0.82
2017/02/16 00:33	4.08	65.56	0.82
2017/02/16 00:48	4.08	65.56	0.82
2017/02/16 01:03	3.98	63.61	0.82
2017/02/16 01:18	4.08	67.15	0.84
2017/02/16 01:33	4.08	67.15	0.84
2017/02/16 01:48	4.05	66.87	0.84
2017/02/16 02:03	3.97	70.69	0.91
2017/02/16 02:18	3.93	76.94	1.01
2017/02/16 02:33	3.93	81.74	1.07
2017/02/16 02:48	3.90	80.97	1.07
2017/02/16 03:03	3.87	75.56	1.01
2017/02/16 03:18	3.87	80.28	1.07
2017/02/16 03:33	3.87	92.43	1.23
2017/02/16 03:48	3.87	69.93	0.93
2017/02/16 04:03	3.86	68.82	0.92
2017/02/16 04:18	3.86	65.76	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 04:33	3.86	64.03	0.86
2017/02/16 04:48	3.96	66.11	0.86
2017/02/16 05:03	3.96	66.11	0.86
2017/02/16 05:18	4.00	68.06	0.87
2017/02/16 05:33	4.04	68.96	0.87
2017/02/16 05:48	4.09	71.04	0.88
2017/02/16 06:03	4.21	74.51	0.89
2017/02/16 06:18	4.50	91.32	1.01
2017/02/16 06:33	4.72	106.39	1.11
2017/02/16 06:48	4.73	127.71	1.32
2017/02/16 07:03	5.09	157.29	1.49
2017/02/16 07:18	5.36	166.60	1.49
2017/02/16 07:33	5.62	169.79	1.44
2017/02/16 07:48	5.62	187.57	1.59
2017/02/16 08:03	5.77	202.50	1.67
2017/02/16 08:18	5.84	196.87	1.61
2017/02/16 08:33	5.89	214.17	1.73
2017/02/16 08:48	5.84	212.57	1.73
2017/02/16 09:03	5.77	194.37	1.61
2017/02/16 09:18	5.39	161.60	1.44
2017/02/16 09:33	5.39	161.60	1.44
2017/02/16 09:48	5.39	161.60	1.44
2017/02/16 10:03	5.39	206.11	1.84
2017/02/16 10:18	5.37	205.49	1.84
2017/02/16 10:33	5.37	205.49	1.84
2017/02/16 10:48	5.34	177.15	1.59
2017/02/16 11:03	5.09	167.71	1.59
2017/02/16 11:18	5.09	125.49	1.19
2017/02/16 11:33	5.09	125.49	1.19
2017/02/16 11:48	5.19	108.19	1.01
2017/02/16 12:03	5.19	170.07	1.58
2017/02/16 12:18	5.19	149.37	1.39
2017/02/16 12:33	5.15	148.06	1.39
2017/02/16 12:48	5.12	122.71	1.16
2017/02/16 13:03	5.12	147.08	1.39
2017/02/16 13:18	5.12	147.08	1.39
2017/02/16 13:33	4.64	109.03	1.16
2017/02/16 13:48	4.59	132.71	1.43
2017/02/16 14:03	4.59	132.71	1.43
2017/02/16 14:18	4.59	129.72	1.39
2017/02/16 14:33	4.59	129.72	1.39
2017/02/16 14:48	4.59	129.72	1.39
2017/02/16 15:03	4.65	131.60	1.39
2017/02/16 15:18	4.69	136.39	1.43
2017/02/16 15:33	4.80	148.96	1.52

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 15:48	4.86	151.04	1.52
2017/02/16 16:03	5.02	157.15	1.52
2017/02/16 16:18	5.02	143.68	1.39
2017/02/16 16:33	5.02	143.68	1.39
2017/02/16 16:48	5.08	139.31	1.33
2017/02/16 17:03	5.08	139.31	1.33
2017/02/16 17:18	5.00	136.67	1.33
2017/02/16 17:33	5.00	153.75	1.49
2017/02/16 17:48	5.21	161.25	1.49
2017/02/16 18:03	5.04	155.28	1.49
2017/02/16 18:18	5.19	166.67	1.55
2017/02/16 18:33	5.21	191.39	1.77
2017/02/16 18:48	5.32	203.12	1.84
2017/02/16 19:03	5.46	210.28	1.85
2017/02/16 19:18	5.46	210.28	1.85
2017/02/16 19:33	5.50	210.83	1.84
2017/02/16 19:48	5.58	184.44	1.58
2017/02/16 20:03	5.58	174.51	1.50
2017/02/16 20:18	5.58	156.32	1.34
2017/02/16 20:33	5.58	174.51	1.50
2017/02/16 20:48	5.51	172.08	1.50
2017/02/16 21:03	5.50	171.60	1.50
2017/02/16 21:18	5.50	173.54	1.51
2017/02/16 21:33	5.50	173.54	1.51
2017/02/16 21:48	5.51	174.24	1.51
2017/02/16 22:03	5.39	169.79	1.51
2017/02/16 22:18	5.36	163.19	1.46
2017/02/16 22:33	5.36	163.19	1.46
2017/02/16 22:48	5.01	125.56	1.22
2017/02/16 23:03	4.96	109.03	1.07
2017/02/16 23:18	4.94	108.68	1.07
2017/02/16 23:33	4.80	105.07	1.07
2017/02/16 23:48	4.75	95.90	0.99
2017/02/17 00:03	4.64	93.19	0.99
2017/02/17 00:18	4.58	82.92	0.89
2017/02/17 00:33	4.43	79.58	0.89
2017/02/17 00:48	4.23	72.78	0.87
2017/02/17 01:03	4.08	67.15	0.84
2017/02/17 01:18	3.94	64.31	0.84
2017/02/17 01:33	3.91	63.68	0.84
2017/02/17 01:48	3.83	93.26	1.26
2017/02/17 02:03	3.75	92.57	1.28
2017/02/17 02:18	3.75	92.57	1.28
2017/02/17 02:33	3.68	88.54	1.26
2017/02/17 02:48	3.62	82.36	1.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 03:03	3.41	76.18	1.19
2017/02/17 03:18	3.37	63.75	1.02
2017/02/17 03:33	3.36	63.40	1.02
2017/02/17 03:48	3.34	61.11	0.98
2017/02/17 04:03	3.29	59.72	0.98
2017/02/17 04:18	3.29	59.72	0.98
2017/02/17 04:33	3.29	63.89	1.05
2017/02/17 04:48	3.52	70.00	1.05
2017/02/17 05:03	3.57	73.89	1.09
2017/02/17 05:18	3.59	71.87	1.05
2017/02/17 05:33	3.64	72.01	1.04
2017/02/17 05:48	3.84	48.40	0.65
2017/02/17 06:03	4.23	49.31	0.59
2017/02/17 06:18	4.26	49.72	0.59
2017/02/17 06:33	4.34	56.53	0.65
2017/02/17 06:48	4.52	86.74	0.95
2017/02/17 07:03	4.55	128.12	1.39
2017/02/17 07:18	4.87	141.18	1.41
2017/02/17 07:33	5.18	149.31	1.39
2017/02/17 07:48	5.18	151.60	1.41
2017/02/17 08:03	5.22	152.99	1.41
2017/02/17 08:18	5.51	181.39	1.58
2017/02/17 08:33	5.51	183.68	1.60
2017/02/17 08:48	5.52	186.87	1.62
2017/02/17 09:03	5.51	183.68	1.60
2017/02/17 09:18	5.46	181.67	1.60
2017/02/17 09:33	5.39	163.68	1.46
2017/02/17 09:48	5.25	158.89	1.46



David Evans		~2 Hermosa Av						
2017.01-02 Site 6 Hermosa Av MH		Manhole No. 1001						
Access: Manhole within NE corner of intersection of Hermosa Av & Herondo St	System Type: Sanitary <input checked="" type="checkbox"/> Storm <input type="checkbox"/>	Install Date: 1/19/2017						
Map 	Flow Meter							
Meter Depth: 91" Map Coordinates: 33.852629, -118.397388 Moderate open channel hydraulics								
Technology 	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Avg Velocity</th> <th>Avg Measured Level</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1.33 fps</td> <td>3.75"</td> <td>1</td> </tr> </tbody> </table>		Avg Velocity	Avg Measured Level	Multiplier	1.33 fps	3.75"	1
Avg Velocity	Avg Measured Level	Multiplier						
1.33 fps	3.75"	1						
Gas								
O2	H2S	CO	LEL					
20.9	0	0	0					
Notes *								
Traffic Safety Used cones, signs & a flagger.								
Land Use								
Residential	Commercial	Industrial	Trunk					
	X							
Manhole Depth		122"						
Monitored Pipe Size		24"						
Inner Pipe Size (In/Out)		24"/24"						
Pipe Shape		Round						
Pipe Condition		Good						
Manhole Material		Concrete						
Silt		0						
Velocity Profile Data		*						
Velocity Profile Taken		0.4 2-D						
Sensor Offset		31.43"						
Sensor Dist. to Crown		7.43"						
Sensor Direction		Downstream						
Flow Heading		South						
Sewer Plan 								



Meter Site Document

David Evans

2017.01-02 Site 6 Hermosa Av MH

~2 Hermosa Av

Site



Manhole Hydraulics



Installation Process



Installed





Utility Systems Science and Software

Report Date: 02/20/2017
 Customer: David Evans
 Group: Hermosa Beach
 SiteID: 2639

Statistics for 2017.01-02 Site 6 Hermosa Av MH: 01/20/2017 thru 02/16/2017

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
1/20/17	242.66	705.90	85.14	0.35	1.02	0.12	1.54	1.81	1.13	3.96	7.82	2.36	349,436	1.29
1/21/17	231.96	330.69	79.58	0.33	0.48	0.11	1.64	1.90	1.13	3.66	4.52	2.33	334,017	
1/22/17	379.41	1843.81	89.17	0.55	2.66	0.13	1.42	2.00	0.87	5.85	23.66	2.44	546,350	3.72
Week:	284.68	1843.81	79.58	0.41	2.66	0.11	1.53	2.00	0.87	4.49	23.66	2.33	1,229,803	5.01
1/23/17	217.82	359.44	89.31	0.31	0.52	0.13	1.60	1.91	1.21	3.58	4.71	2.29	313,663	0.13
1/24/17	223.10	327.43	94.17	0.32	0.47	0.14	1.62	1.89	0.96	3.64	5.80	2.44	321,266	
1/25/17	216.65	332.15	88.82	0.31	0.48	0.13	1.56	1.92	0.85	3.64	5.27	2.43	311,975	
1/26/17	229.88	399.23	89.72	0.33	0.58	0.13	1.60	1.87	1.18	3.73	5.48	2.46	331,026	
1/27/17	232.27	332.50	87.43	0.33	0.48	0.13	1.63	1.90	1.15	3.70	4.79	2.40	334,466	
1/28/17	236.45	345.90	98.19	0.34	0.50	0.14	1.54	1.87	0.83	3.92	5.50	2.47	340,481	
1/29/17	237.31	357.78	84.65	0.34	0.52	0.12	1.57	1.85	1.16	3.83	5.08	2.37	341,731	
Week:	227.64	399.23	84.65	0.33	0.58	0.12	1.59	1.92	0.83	3.72	5.80	2.29	2,294,607	0.13
1/30/17	220.60	369.79	79.65	0.32	0.53	0.11	1.62	1.90	1.06	3.55	4.71	2.21	317,669	
1/31/17	228.92	404.44	84.58	0.33	0.58	0.12	1.61	1.98	1.09	3.69	5.59	2.34	329,642	
2/1/17	224.06	368.61	83.33	0.32	0.53	0.12	1.58	1.87	1.21	3.67	5.07	2.29	322,649	
2/2/17	211.08	325.35	81.39	0.30	0.47	0.12	1.60	1.92	1.20	3.50	5.58	2.22	303,959	
2/3/17	225.99	440.62	74.72	0.33	0.63	0.11	1.48	1.85	0.98	3.93	5.91	2.26	325,419	0.39

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/4/17	252.81	344.79	112.57	0.36	0.50	0.16	1.67	1.91	1.39	3.88	4.71	2.57	364,041	
2/5/17	253.18	422.92	113.75	0.36	0.61	0.16	1.59	1.86	1.21	4.05	6.83	2.59	364,580	
Week:	230.95	440.62	74.72	0.33	0.63	0.11	1.59	1.98	0.98	3.75	6.83	2.21	2,327,958	0.39
2/6/17	257.80	494.72	109.44	0.37	0.71	0.16	1.62	1.90	1.26	4.06	6.98	2.65	371,229	1.43
2/7/17	215.93	336.94	137.15	0.31	0.49	0.20	1.51	1.83	1.06	3.76	4.77	2.80	310,934	0.64
2/8/17	165.80	260.55	60.83	0.24	0.38	0.09	1.18	1.58	0.81	3.66	5.37	2.40	238,750	0.07
2/9/17	168.06	268.75	54.37	0.24	0.39	0.08	1.22	1.61	0.79	3.60	4.79	2.22	242,002	
2/10/17	177.30	288.82	54.17	0.26	0.42	0.08	1.25	1.58	0.78	3.72	5.15	2.30	255,314	0.33
2/11/17	172.64	283.12	61.67	0.25	0.41	0.09	1.19	1.49	0.81	3.78	6.19	2.44	248,598	0.01
2/12/17	168.67	266.74	59.03	0.24	0.38	0.09	1.17	1.56	0.79	3.72	5.32	2.41	242,878	
Week:	189.46	494.72	54.17	0.27	0.71	0.08	1.31	1.90	0.78	3.76	6.98	2.22	1,909,707	2.48
2/13/17	154.05	227.85	51.39	0.22	0.33	0.07	1.17	1.57	0.74	3.51	5.61	2.32	221,832	
2/14/17	168.66	268.19	47.29	0.24	0.39	0.07	1.23	1.60	0.78	3.56	4.40	2.11	242,872	
2/15/17	155.47	265.90	46.67	0.22	0.38	0.07	1.20	1.51	0.68	3.46	4.73	2.29	223,878	
2/16/17	150.57	241.46	52.99	0.22	0.35	0.08	1.19	1.58	0.82	3.40	4.32	2.19	216,826	
Week:	157.19	268.19	46.67	0.23	0.39	0.07	1.20	1.60	0.68	3.48	5.61	2.11	905,409	
Totals:	214.97	1843.81	46.67	0.31	2.66	0.07	1.46	2.00	0.68	3.79	23.66	2.11	8,667,484	8.01



Data for 2017.01-02 Site 6 Hermosa Av MH: 1/19/2017
 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 11:21	3.72	267.78	1.93
2017/01/19 11:36	3.93	228.19	1.52
2017/01/19 11:51	4.02	285.62	1.83
2017/01/19 12:06	3.79	267.15	1.87
2017/01/19 12:21	3.79	261.74	1.83
2017/01/19 12:36	3.79	243.19	1.70
2017/01/19 12:51	3.64	246.60	1.83
2017/01/19 13:06	3.64	229.17	1.70
2017/01/19 13:21	3.64	227.08	1.69
2017/01/19 13:36	3.52	217.08	1.69
2017/01/19 13:51	3.64	226.04	1.68
2017/01/19 14:06	3.52	216.11	1.68
2017/01/19 14:21	3.52	216.11	1.68
2017/01/19 14:36	3.55	214.24	1.65
2017/01/19 14:51	3.55	196.94	1.51
2017/01/19 15:06	3.55	196.94	1.51
2017/01/19 15:21	3.55	196.94	1.51
2017/01/19 15:36	3.51	193.61	1.51
2017/01/19 15:51	3.48	210.90	1.67
2017/01/19 16:06	3.47	209.65	1.67
2017/01/19 16:21	3.43	209.58	1.70
2017/01/19 16:36	3.32	199.79	1.70
2017/01/19 16:51	3.32	199.79	1.70
2017/01/19 17:06	3.32	199.79	1.70
2017/01/19 17:21	3.51	219.37	1.72
2017/01/19 17:36	3.52	221.80	1.72
2017/01/19 17:51	3.55	224.37	1.72
2017/01/19 18:06	3.69	237.15	1.72
2017/01/19 18:21	3.71	218.82	1.58
2017/01/19 18:36	3.72	220.00	1.58
2017/01/19 18:51	3.72	220.00	1.58
2017/01/19 19:06	3.94	235.35	1.56
2017/01/19 19:21	3.97	258.96	1.70
2017/01/19 19:36	3.97	258.96	1.70
2017/01/19 19:51	3.97	280.90	1.84
2017/01/19 20:06	3.97	280.90	1.84
2017/01/19 20:21	3.97	280.90	1.84
2017/01/19 20:36	3.97	246.87	1.62
2017/01/19 20:51	4.86	276.74	1.36

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 21:06	5.01	263.19	1.23
2017/01/19 21:21	5.01	263.19	1.23
2017/01/19 21:36	4.86	276.74	1.36
2017/01/19 21:51	4.55	255.00	1.37
2017/01/19 22:06	4.25	294.72	1.75
2017/01/19 22:21	4.23	300.55	1.79
2017/01/19 22:36	4.23	300.55	1.79
2017/01/19 22:51	4.21	290.62	1.75
2017/01/19 23:06	4.00	279.51	1.81
2017/01/19 23:21	3.71	248.40	1.80
2017/01/19 23:36	3.51	229.72	1.80
2017/01/19 23:51	3.50	228.40	1.80
2017/01/20 00:06	3.36	215.35	1.80
2017/01/20 00:21	3.32	189.72	1.61
2017/01/20 00:36	3.11	172.64	1.61
2017/01/20 00:51	3.02	152.43	1.48
2017/01/20 01:06	3.01	151.39	1.48
2017/01/20 01:21	2.83	138.33	1.48
2017/01/20 01:36	2.82	126.60	1.36
2017/01/20 01:51	2.68	114.10	1.32
2017/01/20 02:06	2.64	114.86	1.36
2017/01/20 02:21	2.62	114.03	1.36
2017/01/20 02:36	2.62	119.10	1.43
2017/01/20 02:51	2.36	101.94	1.43
2017/01/20 03:06	2.36	101.94	1.43
2017/01/20 03:21	2.36	98.12	1.37
2017/01/20 03:36	2.36	90.83	1.27
2017/01/20 03:51	2.44	85.14	1.13
2017/01/20 04:06	2.44	85.14	1.13
2017/01/20 04:21	2.71	98.89	1.13
2017/01/20 04:36	2.71	98.89	1.13
2017/01/20 04:51	2.87	113.61	1.19
2017/01/20 05:06	2.87	122.78	1.29
2017/01/20 05:21	2.87	122.78	1.29
2017/01/20 05:36	2.87	125.28	1.31
2017/01/20 05:51	2.80	120.90	1.31
2017/01/20 06:06	2.80	120.90	1.31
2017/01/20 06:21	2.87	127.15	1.33
2017/01/20 06:36	3.34	159.86	1.34
2017/01/20 06:51	3.36	159.72	1.33
2017/01/20 07:06	3.52	172.57	1.34
2017/01/20 07:21	4.30	241.39	1.41
2017/01/20 07:36	4.32	269.86	1.57
2017/01/20 07:51	4.47	292.01	1.61
2017/01/20 08:06	4.72	318.40	1.63

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 08:21	4.72	319.03	1.63
2017/01/20 08:36	4.57	304.30	1.63
2017/01/20 08:51	4.48	313.89	1.72
2017/01/20 09:06	4.48	313.89	1.72
2017/01/20 09:21	4.44	309.72	1.72
2017/01/20 09:36	4.22	287.64	1.72
2017/01/20 09:51	4.15	283.12	1.74
2017/01/20 10:06	4.15	295.28	1.81
2017/01/20 10:21	4.15	283.12	1.74
2017/01/20 10:36	4.29	291.60	1.71
2017/01/20 10:51	4.29	277.57	1.63
2017/01/20 11:06	4.36	284.03	1.63
2017/01/20 11:21	5.18	346.74	1.55
2017/01/20 11:36	5.66	412.85	1.63
2017/01/20 11:51	6.26	485.00	1.66
2017/01/20 12:06	7.08	615.69	1.77
2017/01/20 12:21	7.73	695.62	1.77
2017/01/20 12:36	7.82	705.90	1.77
2017/01/20 12:51	7.82	493.12	1.24
2017/01/20 13:06	7.82	493.12	1.24
2017/01/20 13:21	6.59	389.51	1.24
2017/01/20 13:36	5.69	332.22	1.30
2017/01/20 13:51	5.16	342.36	1.54
2017/01/20 14:06	4.05	252.92	1.61
2017/01/20 14:21	4.05	252.92	1.61
2017/01/20 14:36	3.90	239.51	1.61
2017/01/20 14:51	3.77	228.26	1.61
2017/01/20 15:06	3.77	216.11	1.52
2017/01/20 15:21	3.68	208.12	1.52
2017/01/20 15:36	3.66	211.53	1.55
2017/01/20 15:51	3.66	206.94	1.52
2017/01/20 16:06	3.66	211.53	1.55
2017/01/20 16:21	3.73	217.36	1.55
2017/01/20 16:36	3.86	218.61	1.49
2017/01/20 16:51	3.94	225.42	1.49
2017/01/20 17:06	3.94	271.39	1.79
2017/01/20 17:21	3.94	263.75	1.74
2017/01/20 17:36	3.91	262.22	1.75
2017/01/20 17:51	3.91	268.61	1.79
2017/01/20 18:06	3.91	262.22	1.75
2017/01/20 18:21	3.93	262.43	1.74
2017/01/20 18:36	3.94	243.47	1.61
2017/01/20 18:51	3.94	243.47	1.61
2017/01/20 19:06	3.94	240.42	1.59
2017/01/20 19:21	3.97	245.90	1.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 19:36	3.94	255.69	1.69
2017/01/20 19:51	3.94	256.11	1.69
2017/01/20 20:06	4.05	266.11	1.69
2017/01/20 20:21	4.07	267.43	1.69
2017/01/20 20:36	4.05	252.71	1.61
2017/01/20 20:51	4.09	239.37	1.50
2017/01/20 21:06	4.11	203.82	1.27
2017/01/20 21:21	4.11	240.55	1.50
2017/01/20 21:36	4.01	248.96	1.61
2017/01/20 21:51	3.91	248.75	1.66
2017/01/20 22:06	3.80	238.61	1.66
2017/01/20 22:21	3.80	244.30	1.70
2017/01/20 22:36	3.76	234.79	1.66
2017/01/20 22:51	3.80	238.33	1.66
2017/01/20 23:06	3.65	222.57	1.64
2017/01/20 23:21	3.65	224.65	1.66
2017/01/20 23:36	3.69	223.96	1.63
2017/01/20 23:51	3.69	223.96	1.63
2017/01/21 00:06	3.65	227.92	1.68
2017/01/21 00:21	3.61	224.17	1.68
2017/01/21 00:36	3.37	197.15	1.63
2017/01/21 00:51	3.30	191.25	1.63
2017/01/21 01:06	3.29	189.72	1.63
2017/01/21 01:21	3.29	186.32	1.60
2017/01/21 01:36	3.25	178.75	1.57
2017/01/21 01:51	3.18	171.53	1.55
2017/01/21 02:06	3.08	152.15	1.44
2017/01/21 02:21	3.01	147.15	1.44
2017/01/21 02:36	3.01	147.15	1.44
2017/01/21 02:51	2.86	123.26	1.30
2017/01/21 03:06	2.79	117.92	1.29
2017/01/21 03:21	2.79	103.68	1.13
2017/01/21 03:36	2.64	95.49	1.13
2017/01/21 03:51	2.57	102.22	1.26
2017/01/21 04:06	2.50	97.36	1.25
2017/01/21 04:21	2.47	96.11	1.26
2017/01/21 04:36	2.47	96.11	1.26
2017/01/21 04:51	2.47	95.76	1.25
2017/01/21 05:06	2.47	94.93	1.24
2017/01/21 05:21	2.47	94.93	1.24
2017/01/21 05:36	2.33	79.58	1.13
2017/01/21 05:51	2.33	81.32	1.16
2017/01/21 06:06	2.33	87.22	1.24
2017/01/21 06:21	2.40	100.35	1.37
2017/01/21 06:36	2.50	97.92	1.26

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 06:51	2.53	108.12	1.37
2017/01/21 07:06	2.59	112.50	1.37
2017/01/21 07:21	2.73	118.82	1.34
2017/01/21 07:36	2.73	118.82	1.34
2017/01/21 07:51	2.96	136.11	1.37
2017/01/21 08:06	3.21	166.18	1.48
2017/01/21 08:21	3.39	193.89	1.60
2017/01/21 08:36	3.52	205.49	1.60
2017/01/21 08:51	3.52	226.87	1.76
2017/01/21 09:06	3.94	266.74	1.76
2017/01/21 09:21	4.07	276.87	1.75
2017/01/21 09:36	4.09	279.58	1.75
2017/01/21 09:51	4.09	297.85	1.86
2017/01/21 10:06	4.15	285.07	1.75
2017/01/21 10:21	4.27	294.93	1.73
2017/01/21 10:36	4.27	294.93	1.73
2017/01/21 10:51	4.27	290.55	1.71
2017/01/21 11:06	4.27	290.55	1.71
2017/01/21 11:21	4.40	300.42	1.70
2017/01/21 11:36	4.40	300.42	1.70
2017/01/21 11:51	4.51	313.89	1.71
2017/01/21 12:06	4.52	312.71	1.70
2017/01/21 12:21	4.52	312.71	1.70
2017/01/21 12:36	4.51	330.69	1.80
2017/01/21 12:51	4.39	320.28	1.82
2017/01/21 13:06	4.34	317.01	1.82
2017/01/21 13:21	4.33	315.55	1.82
2017/01/21 13:36	4.33	325.55	1.88
2017/01/21 13:51	4.33	328.47	1.90
2017/01/21 14:06	4.29	321.11	1.88
2017/01/21 14:21	4.14	296.60	1.83
2017/01/21 14:36	4.12	300.83	1.86
2017/01/21 14:51	4.12	295.14	1.83
2017/01/21 15:06	4.12	290.00	1.80
2017/01/21 15:21	4.12	262.43	1.63
2017/01/21 15:36	4.07	279.51	1.77
2017/01/21 15:51	4.09	282.29	1.77
2017/01/21 16:06	4.15	290.83	1.79
2017/01/21 16:21	4.16	292.22	1.79
2017/01/21 16:36	4.16	302.43	1.85
2017/01/21 16:51	4.16	305.69	1.87
2017/01/21 17:06	4.18	307.15	1.87
2017/01/21 17:21	4.18	307.15	1.87
2017/01/21 17:36	4.16	305.69	1.87
2017/01/21 17:51	4.16	299.17	1.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 18:06	4.12	288.26	1.79
2017/01/21 18:21	4.11	293.47	1.83
2017/01/21 18:36	4.11	302.01	1.88
2017/01/21 18:51	4.09	292.01	1.83
2017/01/21 19:06	4.09	274.51	1.72
2017/01/21 19:21	4.09	274.51	1.72
2017/01/21 19:36	4.08	272.43	1.71
2017/01/21 19:51	4.04	268.40	1.71
2017/01/21 20:06	4.01	265.76	1.71
2017/01/21 20:21	4.00	272.43	1.77
2017/01/21 20:36	3.97	286.04	1.87
2017/01/21 20:51	3.97	286.04	1.87
2017/01/21 21:06	3.97	279.93	1.83
2017/01/21 21:21	3.97	279.93	1.83
2017/01/21 21:36	4.00	282.78	1.83
2017/01/21 21:51	4.02	285.62	1.83
2017/01/21 22:06	4.08	259.58	1.63
2017/01/21 22:21	4.08	259.58	1.63
2017/01/21 22:36	4.08	298.61	1.88
2017/01/21 22:51	3.86	244.51	1.67
2017/01/21 23:06	3.76	235.69	1.67
2017/01/21 23:21	3.72	235.07	1.69
2017/01/21 23:36	3.71	239.51	1.73
2017/01/21 23:51	3.71	233.82	1.69
2017/01/22 00:06	3.71	233.82	1.69
2017/01/22 00:21	3.66	226.67	1.67
2017/01/22 00:36	3.59	219.72	1.66
2017/01/22 00:51	3.66	225.83	1.66
2017/01/22 01:06	3.59	220.49	1.67
2017/01/22 01:21	3.59	219.72	1.66
2017/01/22 01:36	3.51	214.30	1.68
2017/01/22 01:51	3.27	193.68	1.68
2017/01/22 02:06	3.15	158.33	1.45
2017/01/22 02:21	3.08	151.32	1.43
2017/01/22 02:36	2.90	138.61	1.43
2017/01/22 02:51	2.87	136.67	1.43
2017/01/22 03:06	2.73	117.64	1.32
2017/01/22 03:21	2.62	111.67	1.34
2017/01/22 03:36	2.62	110.69	1.32
2017/01/22 03:51	2.58	108.12	1.32
2017/01/22 04:06	2.54	105.56	1.32
2017/01/22 04:21	2.58	104.24	1.28
2017/01/22 04:36	2.58	104.10	1.28
2017/01/22 04:51	2.55	102.64	1.28
2017/01/22 05:06	2.54	106.18	1.33

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 05:21	2.44	96.04	1.28
2017/01/22 05:36	2.44	100.49	1.34
2017/01/22 05:51	2.44	100.49	1.34
2017/01/22 06:06	2.51	97.08	1.24
2017/01/22 06:21	2.53	89.17	1.13
2017/01/22 06:36	2.55	90.21	1.12
2017/01/22 06:51	2.57	90.97	1.12
2017/01/22 07:06	2.72	109.10	1.24
2017/01/22 07:21	2.84	130.14	1.38
2017/01/22 07:36	2.98	141.18	1.40
2017/01/22 07:51	2.98	144.31	1.43
2017/01/22 08:06	3.18	167.15	1.51
2017/01/22 08:21	3.27	174.65	1.51
2017/01/22 08:36	3.43	172.85	1.40
2017/01/22 08:51	3.59	134.65	1.02
2017/01/22 09:06	5.46	231.60	0.96
2017/01/22 09:21	5.46	231.60	0.96
2017/01/22 09:36	5.46	231.60	0.96
2017/01/22 09:51	5.25	310.97	1.36
2017/01/22 10:06	5.25	310.97	1.36
2017/01/22 10:21	5.25	310.97	1.36
2017/01/22 10:36	5.33	317.99	1.36
2017/01/22 10:51	5.33	317.99	1.36
2017/01/22 11:06	6.52	309.44	1.00
2017/01/22 11:21	6.05	386.60	1.39
2017/01/22 11:36	6.05	403.68	1.45
2017/01/22 11:51	6.44	427.57	1.40
2017/01/22 12:06	6.84	465.42	1.40
2017/01/22 12:21	6.84	465.42	1.40
2017/01/22 12:36	6.84	479.58	1.45
2017/01/22 12:51	6.84	465.42	1.40
2017/01/22 13:06	7.29	475.35	1.31
2017/01/22 13:21	7.32	474.51	1.30
2017/01/22 13:36	7.36	478.26	1.30
2017/01/22 13:51	7.54	494.58	1.30
2017/01/22 14:06	7.75	518.96	1.32
2017/01/22 14:21	8.37	847.01	1.93
2017/01/22 14:36	8.86	944.79	2.00
2017/01/22 14:51	10.69	1213.82	2.00
2017/01/22 15:06	11.19	1246.94	1.93
2017/01/22 15:21	16.95	1402.08	1.32
2017/01/22 15:36	20.67	1687.36	1.31
2017/01/22 15:51	23.66	1282.98	0.91
2017/01/22 16:06	23.66	1282.98	0.91
2017/01/22 16:21	23.66	1282.98	0.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 16:36	21.53	1843.81	1.38
2017/01/22 16:51	18.67	1627.49	1.38
2017/01/22 17:06	13.33	1128.95	1.40
2017/01/22 17:21	7.90	634.23	1.57
2017/01/22 17:36	5.04	343.12	1.59
2017/01/22 17:51	4.40	298.47	1.68
2017/01/22 18:06	4.11	270.42	1.68
2017/01/22 18:21	4.11	271.87	1.69
2017/01/22 18:36	4.11	271.87	1.69
2017/01/22 18:51	4.12	273.26	1.69
2017/01/22 19:06	4.23	283.89	1.69
2017/01/22 19:21	4.23	283.89	1.69
2017/01/22 19:36	4.23	290.28	1.73
2017/01/22 19:51	4.21	270.55	1.63
2017/01/22 20:06	4.19	269.30	1.63
2017/01/22 20:21	4.19	266.53	1.61
2017/01/22 20:36	4.21	270.55	1.63
2017/01/22 20:51	4.21	270.55	1.63
2017/01/22 21:06	4.21	261.18	1.57
2017/01/22 21:21	4.21	259.44	1.56
2017/01/22 21:36	4.21	259.44	1.56
2017/01/22 21:51	5.47	240.21	0.99
2017/01/22 22:06	5.66	222.15	0.87
2017/01/22 22:21	5.66	222.15	0.87
2017/01/22 22:36	5.66	252.36	0.99
2017/01/22 22:51	3.90	233.12	1.57
2017/01/22 23:06	3.72	217.71	1.57
2017/01/22 23:21	3.72	217.71	1.57
2017/01/22 23:36	3.65	211.80	1.57
2017/01/22 23:51	3.65	209.17	1.55
2017/01/23 00:06	3.51	193.40	1.51
2017/01/23 00:21	3.43	190.90	1.55
2017/01/23 00:36	3.29	168.75	1.45
2017/01/23 00:51	3.15	158.54	1.45
2017/01/23 01:06	2.86	143.61	1.52
2017/01/23 01:21	2.80	143.96	1.56
2017/01/23 01:36	2.80	143.96	1.56
2017/01/23 01:51	2.64	131.60	1.56
2017/01/23 02:06	2.51	118.82	1.52
2017/01/23 02:21	2.41	102.78	1.39
2017/01/23 02:36	2.33	96.18	1.37
2017/01/23 02:51	2.33	94.79	1.35
2017/01/23 03:06	2.29	92.36	1.35
2017/01/23 03:21	2.29	93.89	1.37
2017/01/23 03:36	2.39	96.04	1.32

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 03:51	2.39	99.79	1.37
2017/01/23 04:06	2.33	96.46	1.37
2017/01/23 04:21	2.39	96.46	1.33
2017/01/23 04:36	2.33	93.19	1.33
2017/01/23 04:51	2.33	93.19	1.33
2017/01/23 05:06	2.36	89.31	1.25
2017/01/23 05:21	2.44	91.18	1.21
2017/01/23 05:36	2.47	92.71	1.21
2017/01/23 05:51	2.50	94.24	1.21
2017/01/23 06:06	2.53	101.32	1.28
2017/01/23 06:21	2.55	102.99	1.28
2017/01/23 06:36	2.66	109.58	1.28
2017/01/23 06:51	2.93	125.83	1.28
2017/01/23 07:06	3.16	140.90	1.28
2017/01/23 07:21	3.58	189.17	1.44
2017/01/23 07:36	3.80	209.44	1.46
2017/01/23 07:51	3.89	227.64	1.54
2017/01/23 08:06	4.18	269.51	1.64
2017/01/23 08:21	4.23	314.86	1.88
2017/01/23 08:36	4.25	316.32	1.88
2017/01/23 08:51	4.43	335.83	1.88
2017/01/23 09:06	4.61	355.69	1.88
2017/01/23 09:21	4.61	357.43	1.89
2017/01/23 09:36	4.61	359.44	1.90
2017/01/23 09:51	4.43	314.30	1.76
2017/01/23 10:06	4.30	302.71	1.76
2017/01/23 10:21	4.23	298.19	1.78
2017/01/23 10:36	4.16	291.18	1.78
2017/01/23 10:51	4.12	284.58	1.76
2017/01/23 11:06	4.12	284.58	1.76
2017/01/23 11:21	4.12	283.82	1.76
2017/01/23 11:36	4.12	241.74	1.50
2017/01/23 11:51	4.12	241.74	1.50
2017/01/23 12:06	4.12	241.74	1.50
2017/01/23 12:21	3.97	254.79	1.67
2017/01/23 12:36	3.97	254.79	1.67
2017/01/23 12:51	3.97	273.40	1.79
2017/01/23 13:06	3.97	273.40	1.79
2017/01/23 13:21	3.97	257.57	1.69
2017/01/23 13:36	3.97	257.57	1.69
2017/01/23 13:51	3.90	266.53	1.79
2017/01/23 14:06	3.90	268.33	1.80
2017/01/23 14:21	3.79	257.36	1.80
2017/01/23 14:36	3.77	256.04	1.80
2017/01/23 14:51	3.73	251.94	1.80

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 15:06	3.66	245.14	1.80
2017/01/23 15:21	3.64	234.86	1.75
2017/01/23 15:36	3.59	240.28	1.82
2017/01/23 15:51	3.59	240.28	1.82
2017/01/23 16:06	3.59	240.07	1.81
2017/01/23 16:21	3.51	230.90	1.81
2017/01/23 16:36	3.51	230.90	1.81
2017/01/23 16:51	3.51	229.72	1.80
2017/01/23 17:06	3.51	219.58	1.72
2017/01/23 17:21	3.51	216.25	1.69
2017/01/23 17:36	3.54	218.75	1.69
2017/01/23 17:51	3.77	233.05	1.64
2017/01/23 18:06	3.75	237.64	1.69
2017/01/23 18:21	3.77	254.72	1.79
2017/01/23 18:36	3.86	262.92	1.79
2017/01/23 18:51	3.86	230.00	1.57
2017/01/23 19:06	3.91	210.55	1.41
2017/01/23 19:21	4.71	257.50	1.32
2017/01/23 19:36	4.71	257.50	1.32
2017/01/23 19:51	4.71	257.50	1.32
2017/01/23 20:06	4.16	274.24	1.68
2017/01/23 20:21	4.09	281.80	1.76
2017/01/23 20:36	4.05	277.64	1.76
2017/01/23 20:51	4.05	277.64	1.76
2017/01/23 21:06	4.05	300.28	1.91
2017/01/23 21:21	4.07	271.53	1.72
2017/01/23 21:36	4.07	271.53	1.72
2017/01/23 21:51	4.07	267.22	1.69
2017/01/23 22:06	3.96	253.26	1.67
2017/01/23 22:21	3.96	253.26	1.67
2017/01/23 22:36	3.96	274.10	1.80
2017/01/23 22:51	4.00	245.35	1.59
2017/01/23 23:06	4.00	238.26	1.54
2017/01/23 23:21	4.00	282.78	1.83
2017/01/23 23:36	3.64	216.80	1.61
2017/01/23 23:51	3.64	188.68	1.40
2017/01/24 00:06	3.46	194.86	1.56
2017/01/24 00:21	3.44	194.72	1.57
2017/01/24 00:36	3.46	195.83	1.57
2017/01/24 00:51	3.27	180.28	1.56
2017/01/24 01:06	3.11	167.08	1.56
2017/01/24 01:21	2.98	158.12	1.57
2017/01/24 01:36	2.82	143.96	1.55
2017/01/24 01:51	2.82	143.96	1.55
2017/01/24 02:06	2.73	137.78	1.55

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 02:21	2.68	127.92	1.48
2017/01/24 02:36	2.54	116.74	1.46
2017/01/24 02:51	2.48	94.17	1.22
2017/01/24 03:06	2.48	94.17	1.22
2017/01/24 03:21	2.48	97.99	1.27
2017/01/24 03:36	2.48	97.99	1.27
2017/01/24 03:51	2.48	97.99	1.27
2017/01/24 04:06	2.48	97.99	1.27
2017/01/24 04:21	2.44	95.56	1.27
2017/01/24 04:36	2.47	103.47	1.35
2017/01/24 04:51	2.47	103.47	1.35
2017/01/24 05:06	2.47	103.47	1.35
2017/01/24 05:21	2.55	108.96	1.36
2017/01/24 05:36	2.57	110.69	1.37
2017/01/24 05:51	2.58	114.10	1.40
2017/01/24 06:06	2.58	125.21	1.53
2017/01/24 06:21	2.73	124.10	1.40
2017/01/24 06:36	3.01	148.61	1.45
2017/01/24 06:51	3.09	165.35	1.55
2017/01/24 07:06	3.29	168.96	1.45
2017/01/24 07:21	3.65	196.53	1.45
2017/01/24 07:36	3.96	220.76	1.45
2017/01/24 07:51	4.59	327.43	1.74
2017/01/24 08:06	5.80	252.36	0.96
2017/01/24 08:21	4.59	327.43	1.74
2017/01/24 08:36	4.61	316.67	1.67
2017/01/24 08:51	4.59	317.92	1.69
2017/01/24 09:06	4.58	316.53	1.69
2017/01/24 09:21	4.37	296.04	1.69
2017/01/24 09:36	4.33	292.01	1.69
2017/01/24 09:51	4.29	301.53	1.77
2017/01/24 10:06	4.25	315.28	1.87
2017/01/24 10:21	4.12	302.01	1.87
2017/01/24 10:36	4.07	296.18	1.87
2017/01/24 10:51	4.00	288.89	1.87
2017/01/24 11:06	4.07	283.12	1.79
2017/01/24 11:21	4.00	274.51	1.78
2017/01/24 11:36	4.00	258.75	1.68
2017/01/24 11:51	3.94	253.61	1.68
2017/01/24 12:06	3.94	253.61	1.68
2017/01/24 12:21	3.84	246.39	1.69
2017/01/24 12:36	3.84	262.64	1.80
2017/01/24 12:51	3.84	262.64	1.80
2017/01/24 13:06	3.98	276.46	1.80
2017/01/24 13:21	3.98	283.96	1.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 13:36	3.98	269.44	1.75
2017/01/24 13:51	3.83	254.58	1.75
2017/01/24 14:06	3.73	232.92	1.67
2017/01/24 14:21	3.73	252.36	1.81
2017/01/24 14:36	3.73	232.92	1.67
2017/01/24 14:51	3.72	231.67	1.67
2017/01/24 15:06	3.66	226.67	1.67
2017/01/24 15:21	3.62	220.35	1.65
2017/01/24 15:36	3.62	214.17	1.60
2017/01/24 15:51	3.62	214.17	1.60
2017/01/24 16:06	3.54	212.01	1.64
2017/01/24 16:21	3.44	198.89	1.60
2017/01/24 16:36	3.39	198.89	1.64
2017/01/24 16:51	3.39	202.01	1.66
2017/01/24 17:06	3.39	202.01	1.66
2017/01/24 17:21	3.68	227.71	1.66
2017/01/24 17:36	3.72	233.61	1.68
2017/01/24 17:51	3.72	241.25	1.73
2017/01/24 18:06	3.75	262.50	1.87
2017/01/24 18:21	3.76	263.89	1.87
2017/01/24 18:36	3.80	256.53	1.79
2017/01/24 18:51	3.83	251.74	1.73
2017/01/24 19:06	3.83	259.24	1.79
2017/01/24 19:21	3.83	242.64	1.67
2017/01/24 19:36	3.83	242.64	1.67
2017/01/24 19:51	3.83	242.64	1.67
2017/01/24 20:06	3.97	255.49	1.67
2017/01/24 20:21	4.04	233.05	1.49
2017/01/24 20:36	5.18	280.55	1.25
2017/01/24 20:51	5.18	280.55	1.25
2017/01/24 21:06	5.18	280.55	1.25
2017/01/24 21:21	4.30	315.49	1.84
2017/01/24 21:36	4.21	305.28	1.84
2017/01/24 21:51	4.19	303.82	1.84
2017/01/24 22:06	4.19	303.82	1.84
2017/01/24 22:21	4.18	286.11	1.74
2017/01/24 22:36	4.08	276.53	1.74
2017/01/24 22:51	4.01	293.19	1.89
2017/01/24 23:06	3.84	275.76	1.89
2017/01/24 23:21	3.83	274.30	1.89
2017/01/24 23:36	3.79	270.00	1.89
2017/01/24 23:51	3.79	259.10	1.81
2017/01/25 00:06	3.62	218.05	1.63
2017/01/25 00:21	3.33	182.01	1.54
2017/01/25 00:36	3.08	162.50	1.54

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 00:51	3.07	154.37	1.47
2017/01/25 01:06	3.07	157.22	1.50
2017/01/25 01:21	2.89	142.29	1.48
2017/01/25 01:36	2.89	143.89	1.50
2017/01/25 01:51	2.82	137.36	1.48
2017/01/25 02:06	2.75	132.43	1.48
2017/01/25 02:21	2.69	124.79	1.44
2017/01/25 02:36	2.61	118.82	1.43
2017/01/25 02:51	2.55	115.14	1.43
2017/01/25 03:06	2.51	108.89	1.39
2017/01/25 03:21	2.51	102.43	1.31
2017/01/25 03:36	2.48	99.86	1.29
2017/01/25 03:51	2.46	93.47	1.23
2017/01/25 04:06	2.46	93.47	1.23
2017/01/25 04:21	2.46	92.08	1.21
2017/01/25 04:36	2.43	90.56	1.21
2017/01/25 04:51	2.43	88.82	1.19
2017/01/25 05:06	2.44	89.58	1.19
2017/01/25 05:21	2.44	89.58	1.19
2017/01/25 05:36	2.47	91.32	1.19
2017/01/25 05:51	2.50	92.85	1.19
2017/01/25 06:06	2.50	92.85	1.19
2017/01/25 06:21	2.64	100.49	1.19
2017/01/25 06:36	2.71	104.37	1.19
2017/01/25 06:51	3.04	132.36	1.28
2017/01/25 07:06	3.08	140.35	1.33
2017/01/25 07:21	3.71	200.28	1.45
2017/01/25 07:36	3.83	232.71	1.60
2017/01/25 07:51	4.08	254.93	1.60
2017/01/25 08:06	4.34	294.44	1.69
2017/01/25 08:21	4.66	325.97	1.69
2017/01/25 08:36	4.66	332.15	1.72
2017/01/25 08:51	4.66	323.05	1.68
2017/01/25 09:06	4.50	315.28	1.72
2017/01/25 09:21	4.43	308.33	1.72
2017/01/25 09:36	4.41	306.94	1.72
2017/01/25 09:51	4.26	311.67	1.84
2017/01/25 10:06	4.19	304.58	1.84
2017/01/25 10:21	4.11	295.90	1.84
2017/01/25 10:36	4.11	295.90	1.84
2017/01/25 10:51	4.11	295.90	1.84
2017/01/25 11:06	4.11	308.68	1.92
2017/01/25 11:21	4.11	308.68	1.92
2017/01/25 11:36	3.97	272.71	1.79
2017/01/25 11:51	3.97	272.01	1.78

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 12:06	3.97	256.87	1.68
2017/01/25 12:21	4.51	287.50	1.57
2017/01/25 12:36	5.27	196.25	0.85
2017/01/25 12:51	5.27	196.25	0.85
2017/01/25 13:06	5.27	196.25	0.85
2017/01/25 13:21	3.82	228.61	1.58
2017/01/25 13:36	3.80	246.94	1.72
2017/01/25 13:51	3.79	245.62	1.72
2017/01/25 14:06	3.79	245.62	1.72
2017/01/25 14:21	3.79	245.62	1.72
2017/01/25 14:36	3.79	240.83	1.69
2017/01/25 14:51	3.75	237.01	1.69
2017/01/25 15:06	3.75	237.01	1.69
2017/01/25 15:21	3.69	231.94	1.69
2017/01/25 15:36	3.69	225.42	1.64
2017/01/25 15:51	3.59	221.87	1.68
2017/01/25 16:06	3.52	215.69	1.68
2017/01/25 16:21	3.47	210.83	1.68
2017/01/25 16:36	3.47	182.43	1.45
2017/01/25 16:51	3.47	193.89	1.54
2017/01/25 17:06	3.72	214.51	1.54
2017/01/25 17:21	3.73	215.69	1.54
2017/01/25 17:36	3.76	217.99	1.54
2017/01/25 17:51	3.79	220.35	1.54
2017/01/25 18:06	3.86	230.90	1.57
2017/01/25 18:21	3.97	239.65	1.57
2017/01/25 18:36	4.04	245.69	1.57
2017/01/25 18:51	3.97	259.44	1.70
2017/01/25 19:06	3.97	260.62	1.71
2017/01/25 19:21	4.04	274.37	1.75
2017/01/25 19:36	4.04	274.37	1.75
2017/01/25 19:51	4.04	274.37	1.75
2017/01/25 20:06	4.04	267.22	1.71
2017/01/25 20:21	4.07	253.47	1.60
2017/01/25 20:36	4.05	252.22	1.60
2017/01/25 20:51	4.08	280.62	1.77
2017/01/25 21:06	4.08	199.86	1.26
2017/01/25 21:21	4.07	283.61	1.79
2017/01/25 21:36	4.07	283.61	1.79
2017/01/25 21:51	4.07	285.07	1.80
2017/01/25 22:06	4.07	287.50	1.82
2017/01/25 22:21	4.07	290.83	1.84
2017/01/25 22:36	4.07	287.50	1.82
2017/01/25 22:51	4.05	286.04	1.82
2017/01/25 23:06	3.87	270.97	1.84

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 23:21	3.87	252.57	1.71
2017/01/25 23:36	3.83	248.61	1.71
2017/01/25 23:51	3.79	245.83	1.72
2017/01/26 00:06	3.57	225.21	1.72
2017/01/26 00:21	3.46	206.87	1.66
2017/01/26 00:36	3.34	203.89	1.71
2017/01/26 00:51	3.22	186.67	1.66
2017/01/26 01:06	3.18	180.83	1.63
2017/01/26 01:21	3.01	167.15	1.63
2017/01/26 01:36	2.91	148.47	1.52
2017/01/26 01:51	2.90	139.17	1.44
2017/01/26 02:06	2.84	135.28	1.44
2017/01/26 02:21	2.83	134.31	1.44
2017/01/26 02:36	2.73	122.08	1.37
2017/01/26 02:51	2.62	114.65	1.37
2017/01/26 03:06	2.55	103.82	1.29
2017/01/26 03:21	2.54	102.99	1.29
2017/01/26 03:36	2.53	101.46	1.28
2017/01/26 03:51	2.50	92.01	1.18
2017/01/26 04:06	2.46	89.72	1.18
2017/01/26 04:21	2.46	98.33	1.30
2017/01/26 04:36	2.46	89.72	1.18
2017/01/26 04:51	2.46	89.72	1.18
2017/01/26 05:06	2.46	97.50	1.28
2017/01/26 05:21	2.57	97.22	1.20
2017/01/26 05:36	2.83	112.22	1.20
2017/01/26 05:51	2.89	123.54	1.28
2017/01/26 06:06	2.89	126.04	1.31
2017/01/26 06:21	2.89	126.04	1.31
2017/01/26 06:36	3.08	167.64	1.59
2017/01/26 06:51	3.51	167.64	1.31
2017/01/26 07:06	3.90	241.80	1.62
2017/01/26 07:21	3.98	249.30	1.62
2017/01/26 07:36	5.48	393.96	1.62
2017/01/26 07:51	4.54	300.83	1.62
2017/01/26 08:06	4.52	326.80	1.77
2017/01/26 08:21	4.52	328.47	1.78
2017/01/26 08:36	4.52	328.47	1.78
2017/01/26 08:51	4.52	328.47	1.78
2017/01/26 09:06	4.51	325.35	1.77
2017/01/26 09:21	4.44	322.85	1.80
2017/01/26 09:36	4.26	270.55	1.60
2017/01/26 09:51	4.26	270.55	1.60
2017/01/26 10:06	4.26	288.40	1.70
2017/01/26 10:21	4.27	300.90	1.77

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 10:36	4.27	289.72	1.70
2017/01/26 10:51	4.27	300.90	1.77
2017/01/26 11:06	4.27	289.72	1.70
2017/01/26 11:21	4.14	266.39	1.64
2017/01/26 11:36	4.12	265.14	1.64
2017/01/26 11:51	3.97	248.96	1.63
2017/01/26 12:06	4.01	252.71	1.63
2017/01/26 12:21	3.97	273.40	1.79
2017/01/26 12:36	3.97	273.40	1.79
2017/01/26 12:51	3.97	248.96	1.63
2017/01/26 13:06	4.01	229.51	1.48
2017/01/26 13:21	3.97	226.11	1.48
2017/01/26 13:36	3.96	224.93	1.48
2017/01/26 13:51	3.84	255.69	1.75
2017/01/26 14:06	3.84	257.50	1.77
2017/01/26 14:21	3.71	245.62	1.78
2017/01/26 14:36	3.64	239.03	1.78
2017/01/26 14:51	3.61	236.32	1.78
2017/01/26 15:06	3.59	231.39	1.75
2017/01/26 15:21	3.59	223.54	1.69
2017/01/26 15:36	3.55	208.26	1.60
2017/01/26 15:51	3.59	201.32	1.52
2017/01/26 16:06	3.61	208.75	1.57
2017/01/26 16:21	3.61	212.99	1.60
2017/01/26 16:36	3.61	212.99	1.60
2017/01/26 16:51	3.61	213.61	1.61
2017/01/26 17:06	3.61	213.61	1.61
2017/01/26 17:21	3.61	213.61	1.61
2017/01/26 17:36	3.64	215.97	1.61
2017/01/26 17:51	3.77	228.05	1.61
2017/01/26 18:06	3.80	234.86	1.64
2017/01/26 18:21	3.80	249.30	1.74
2017/01/26 18:36	3.80	249.30	1.74
2017/01/26 18:51	3.84	253.26	1.74
2017/01/26 19:06	4.07	280.97	1.78
2017/01/26 19:21	4.07	295.69	1.87
2017/01/26 19:36	4.08	297.15	1.87
2017/01/26 19:51	4.08	297.15	1.87
2017/01/26 20:06	4.29	319.24	1.87
2017/01/26 20:21	5.19	290.83	1.30
2017/01/26 20:36	5.39	306.46	1.30
2017/01/26 20:51	5.39	306.46	1.30
2017/01/26 21:06	5.39	399.23	1.69
2017/01/26 21:21	4.18	284.58	1.73
2017/01/26 21:36	4.18	285.55	1.74

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 21:51	4.16	295.69	1.81
2017/01/26 22:06	4.15	294.30	1.81
2017/01/26 22:21	4.04	282.99	1.81
2017/01/26 22:36	4.04	263.40	1.68
2017/01/26 22:51	4.04	263.40	1.68
2017/01/26 23:06	4.04	263.40	1.68
2017/01/26 23:21	3.97	280.42	1.84
2017/01/26 23:36	3.91	274.79	1.84
2017/01/26 23:51	3.82	264.93	1.84
2017/01/27 00:06	3.66	245.55	1.81
2017/01/27 00:21	3.43	213.19	1.73
2017/01/27 00:36	3.27	199.51	1.73
2017/01/27 00:51	3.22	189.58	1.68
2017/01/27 01:06	3.11	176.74	1.65
2017/01/27 01:21	3.07	165.42	1.57
2017/01/27 01:36	2.98	158.75	1.57
2017/01/27 01:51	2.96	155.69	1.56
2017/01/27 02:06	2.94	154.31	1.56
2017/01/27 02:21	2.93	138.75	1.41
2017/01/27 02:36	2.73	123.06	1.39
2017/01/27 02:51	2.69	120.28	1.39
2017/01/27 03:06	2.69	122.71	1.41
2017/01/27 03:21	2.54	109.24	1.37
2017/01/27 03:36	2.50	94.72	1.22
2017/01/27 03:51	2.50	94.72	1.22
2017/01/27 04:06	2.46	91.60	1.21
2017/01/27 04:21	2.46	91.60	1.21
2017/01/27 04:36	2.46	91.60	1.21
2017/01/27 04:51	2.40	88.61	1.21
2017/01/27 05:06	2.40	87.43	1.19
2017/01/27 05:21	2.40	99.03	1.35
2017/01/27 05:36	2.40	95.28	1.30
2017/01/27 05:51	2.41	96.11	1.30
2017/01/27 06:06	2.59	106.81	1.30
2017/01/27 06:21	2.75	120.69	1.35
2017/01/27 06:36	2.98	131.04	1.30
2017/01/27 06:51	2.98	124.10	1.23
2017/01/27 07:06	4.05	215.90	1.37
2017/01/27 07:21	4.05	215.90	1.37
2017/01/27 07:36	4.15	187.92	1.15
2017/01/27 07:51	4.43	269.03	1.50
2017/01/27 08:06	4.41	282.99	1.59
2017/01/27 08:21	4.43	284.30	1.59
2017/01/27 08:36	4.55	308.12	1.66
2017/01/27 08:51	4.55	308.12	1.66

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 09:06	4.55	308.12	1.66
2017/01/27 09:21	4.79	332.50	1.66
2017/01/27 09:36	4.55	316.60	1.70
2017/01/27 09:51	4.47	308.33	1.70
2017/01/27 10:06	4.36	297.36	1.70
2017/01/27 10:21	4.34	289.37	1.66
2017/01/27 10:36	4.19	274.86	1.66
2017/01/27 10:51	4.19	274.86	1.66
2017/01/27 11:06	4.19	274.86	1.66
2017/01/27 11:21	4.16	296.46	1.81
2017/01/27 11:36	4.16	296.46	1.81
2017/01/27 11:51	4.19	290.21	1.76
2017/01/27 12:06	4.16	287.43	1.76
2017/01/27 12:21	4.08	287.92	1.81
2017/01/27 12:36	4.16	287.43	1.76
2017/01/27 12:51	4.21	291.60	1.76
2017/01/27 13:06	4.05	285.14	1.81
2017/01/27 13:21	3.96	253.47	1.67
2017/01/27 13:36	3.82	240.69	1.67
2017/01/27 13:51	3.82	252.15	1.75
2017/01/27 14:06	3.82	252.15	1.75
2017/01/27 14:21	3.84	254.86	1.75
2017/01/27 14:36	3.84	257.29	1.76
2017/01/27 14:51	3.87	277.29	1.88
2017/01/27 15:06	3.87	275.28	1.87
2017/01/27 15:21	3.87	275.28	1.87
2017/01/27 15:36	3.87	275.28	1.87
2017/01/27 15:51	3.87	275.28	1.87
2017/01/27 16:06	3.72	220.00	1.58
2017/01/27 16:21	3.72	220.00	1.58
2017/01/27 16:36	3.72	220.00	1.58
2017/01/27 16:51	3.80	227.22	1.58
2017/01/27 17:06	3.80	237.71	1.66
2017/01/27 17:21	3.83	244.86	1.69
2017/01/27 17:36	3.90	264.51	1.78
2017/01/27 17:51	3.90	264.51	1.78
2017/01/27 18:06	3.93	267.22	1.78
2017/01/27 18:21	3.93	266.04	1.77
2017/01/27 18:36	4.12	272.01	1.69
2017/01/27 18:51	4.21	279.93	1.69
2017/01/27 19:06	4.21	279.93	1.69
2017/01/27 19:21	4.21	287.29	1.73
2017/01/27 19:36	4.21	287.29	1.73
2017/01/27 19:51	4.21	295.14	1.78
2017/01/27 20:06	4.18	284.58	1.73

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 20:21	4.16	290.97	1.78
2017/01/27 20:36	4.16	290.97	1.78
2017/01/27 20:51	4.11	294.17	1.83
2017/01/27 21:06	4.16	299.93	1.83
2017/01/27 21:21	4.16	300.97	1.84
2017/01/27 21:36	4.12	295.62	1.83
2017/01/27 21:51	4.07	283.12	1.79
2017/01/27 22:06	4.07	283.12	1.79
2017/01/27 22:21	3.91	253.05	1.69
2017/01/27 22:36	3.91	253.05	1.69
2017/01/27 22:51	3.91	280.90	1.88
2017/01/27 23:06	3.91	284.37	1.90
2017/01/27 23:21	3.90	279.51	1.88
2017/01/27 23:36	3.90	279.51	1.88
2017/01/27 23:51	3.83	263.26	1.81
2017/01/28 00:06	3.82	261.87	1.81
2017/01/28 00:21	3.76	256.18	1.81
2017/01/28 00:36	3.76	256.18	1.81
2017/01/28 00:51	3.72	216.60	1.56
2017/01/28 01:06	3.72	216.18	1.55
2017/01/28 01:21	3.34	185.28	1.55
2017/01/28 01:36	3.25	177.50	1.55
2017/01/28 01:51	3.25	172.29	1.51
2017/01/28 02:06	3.05	148.54	1.42
2017/01/28 02:21	3.00	156.87	1.54
2017/01/28 02:36	2.90	137.85	1.42
2017/01/28 02:51	2.89	135.00	1.40
2017/01/28 03:06	2.86	133.06	1.40
2017/01/28 03:21	2.82	128.40	1.38
2017/01/28 03:36	2.69	116.04	1.34
2017/01/28 03:51	2.62	111.67	1.34
2017/01/28 04:06	2.62	111.67	1.34
2017/01/28 04:21	2.62	114.10	1.37
2017/01/28 04:36	2.61	113.26	1.37
2017/01/28 04:51	2.57	110.62	1.37
2017/01/28 05:06	2.48	100.69	1.30
2017/01/28 05:21	2.48	100.69	1.30
2017/01/28 05:36	2.48	99.03	1.28
2017/01/28 05:51	2.47	98.19	1.28
2017/01/28 06:06	2.47	98.19	1.28
2017/01/28 06:21	2.48	99.03	1.28
2017/01/28 06:36	2.48	99.03	1.28
2017/01/28 06:51	2.54	103.12	1.29
2017/01/28 07:06	2.69	108.75	1.25
2017/01/28 07:21	3.01	128.12	1.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 07:36	3.43	137.43	1.11
2017/01/28 07:51	4.91	171.67	0.83
2017/01/28 08:06	4.91	171.67	0.83
2017/01/28 08:21	4.91	171.67	0.83
2017/01/28 08:36	3.80	196.53	1.37
2017/01/28 08:51	3.80	234.44	1.63
2017/01/28 09:06	3.80	234.44	1.63
2017/01/28 09:21	3.91	244.37	1.63
2017/01/28 09:36	4.26	313.47	1.85
2017/01/28 09:51	4.27	314.93	1.85
2017/01/28 10:06	4.72	318.40	1.63
2017/01/28 10:21	4.72	318.40	1.63
2017/01/28 10:36	4.79	325.14	1.63
2017/01/28 10:51	4.79	325.14	1.63
2017/01/28 11:06	4.73	340.14	1.73
2017/01/28 11:21	4.79	345.90	1.73
2017/01/28 11:36	4.73	340.14	1.73
2017/01/28 11:51	4.73	340.14	1.73
2017/01/28 12:06	4.64	301.67	1.58
2017/01/28 12:21	4.57	295.21	1.58
2017/01/28 12:36	4.57	294.58	1.58
2017/01/28 12:51	4.57	294.58	1.58
2017/01/28 13:06	4.57	278.61	1.49
2017/01/28 13:21	4.57	278.61	1.49
2017/01/28 13:36	4.55	277.43	1.49
2017/01/28 13:51	4.46	303.96	1.68
2017/01/28 14:06	4.46	325.69	1.81
2017/01/28 14:21	4.37	316.94	1.81
2017/01/28 14:36	4.37	316.67	1.80
2017/01/28 14:51	4.39	306.80	1.74
2017/01/28 15:06	4.39	318.12	1.80
2017/01/28 15:21	4.39	306.80	1.74
2017/01/28 15:36	4.39	300.90	1.71
2017/01/28 15:51	4.19	281.87	1.71
2017/01/28 16:06	4.19	298.54	1.81
2017/01/28 16:21	4.18	307.15	1.87
2017/01/28 16:36	4.16	305.69	1.87
2017/01/28 16:51	4.16	305.69	1.87
2017/01/28 17:06	4.12	299.30	1.86
2017/01/28 17:21	4.12	235.35	1.46
2017/01/28 17:36	4.12	226.74	1.41
2017/01/28 17:51	4.40	249.03	1.41
2017/01/28 18:06	5.50	306.60	1.26
2017/01/28 18:21	5.50	306.60	1.26
2017/01/28 18:36	5.50	306.60	1.26

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 18:51	4.41	286.53	1.61
2017/01/28 19:06	4.36	281.39	1.61
2017/01/28 19:21	4.34	307.15	1.77
2017/01/28 19:36	4.33	307.57	1.78
2017/01/28 19:51	4.19	295.76	1.79
2017/01/28 20:06	4.19	295.76	1.79
2017/01/28 20:21	4.19	295.76	1.79
2017/01/28 20:36	4.18	296.60	1.80
2017/01/28 20:51	4.19	298.05	1.80
2017/01/28 21:06	4.21	267.78	1.61
2017/01/28 21:21	4.55	240.83	1.29
2017/01/28 21:36	4.55	240.83	1.29
2017/01/28 21:51	4.55	240.83	1.29
2017/01/28 22:06	4.44	248.61	1.38
2017/01/28 22:21	4.02	265.90	1.71
2017/01/28 22:36	3.84	248.82	1.71
2017/01/28 22:51	3.83	247.50	1.71
2017/01/28 23:06	3.82	266.74	1.85
2017/01/28 23:21	3.82	232.15	1.61
2017/01/28 23:36	3.82	232.15	1.61
2017/01/28 23:51	3.82	218.26	1.51
2017/01/29 00:06	3.82	218.26	1.51
2017/01/29 00:21	3.79	215.97	1.51
2017/01/29 00:36	3.57	162.50	1.24
2017/01/29 00:51	3.41	152.50	1.24
2017/01/29 01:06	3.37	196.94	1.63
2017/01/29 01:21	3.30	206.94	1.77
2017/01/29 01:36	3.25	186.39	1.63
2017/01/29 01:51	3.21	182.92	1.63
2017/01/29 02:06	3.19	193.33	1.74
2017/01/29 02:21	3.16	176.11	1.60
2017/01/29 02:36	3.08	168.96	1.60
2017/01/29 02:51	3.08	168.96	1.60
2017/01/29 03:06	2.94	122.50	1.24
2017/01/29 03:21	2.78	106.94	1.18
2017/01/29 03:36	2.68	101.53	1.18
2017/01/29 03:51	2.59	96.94	1.18
2017/01/29 04:06	2.58	96.18	1.18
2017/01/29 04:21	2.53	99.03	1.25
2017/01/29 04:36	2.46	95.07	1.25
2017/01/29 04:51	2.41	92.64	1.25
2017/01/29 05:06	2.41	92.64	1.25
2017/01/29 05:21	2.40	91.81	1.25
2017/01/29 05:36	2.39	90.69	1.25
2017/01/29 05:51	2.37	89.93	1.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 06:06	2.37	88.40	1.23
2017/01/29 06:21	2.37	84.65	1.17
2017/01/29 06:36	2.40	89.93	1.23
2017/01/29 06:51	2.47	93.75	1.23
2017/01/29 07:06	2.55	107.15	1.33
2017/01/29 07:21	2.57	107.99	1.33
2017/01/29 07:36	2.72	118.19	1.34
2017/01/29 07:51	2.94	132.57	1.34
2017/01/29 08:06	3.11	158.26	1.48
2017/01/29 08:21	3.27	170.76	1.48
2017/01/29 08:36	3.41	197.50	1.61
2017/01/29 08:51	3.73	227.15	1.63
2017/01/29 09:06	4.08	258.33	1.63
2017/01/29 09:21	4.30	279.37	1.63
2017/01/29 09:36	4.30	279.37	1.63
2017/01/29 09:51	4.33	281.94	1.63
2017/01/29 10:06	4.37	292.57	1.67
2017/01/29 10:21	4.46	300.62	1.67
2017/01/29 10:36	4.47	301.94	1.67
2017/01/29 10:51	4.57	345.69	1.85
2017/01/29 11:06	4.68	343.89	1.78
2017/01/29 11:21	4.68	357.78	1.85
2017/01/29 11:36	4.68	343.89	1.78
2017/01/29 11:51	4.66	342.43	1.78
2017/01/29 12:06	4.65	331.04	1.73
2017/01/29 12:21	4.62	328.19	1.73
2017/01/29 12:36	4.62	310.49	1.63
2017/01/29 12:51	4.59	307.85	1.63
2017/01/29 13:06	4.59	325.42	1.73
2017/01/29 13:21	4.52	301.18	1.63
2017/01/29 13:36	4.52	301.18	1.63
2017/01/29 13:51	4.54	304.79	1.64
2017/01/29 14:06	4.54	304.79	1.64
2017/01/29 14:21	4.54	304.79	1.64
2017/01/29 14:36	4.54	320.35	1.73
2017/01/29 14:51	4.36	302.15	1.73
2017/01/29 15:06	4.34	280.07	1.61
2017/01/29 15:21	4.34	280.07	1.61
2017/01/29 15:36	4.29	274.93	1.61
2017/01/29 15:51	4.30	276.25	1.61
2017/01/29 16:06	4.32	280.14	1.63
2017/01/29 16:21	4.32	280.14	1.63
2017/01/29 16:36	4.30	283.82	1.65
2017/01/29 16:51	4.32	280.14	1.63
2017/01/29 17:06	4.32	285.14	1.65

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 17:21	4.29	282.50	1.65
2017/01/29 17:36	4.22	285.62	1.71
2017/01/29 17:51	4.29	292.43	1.71
2017/01/29 18:06	4.29	292.43	1.71
2017/01/29 18:21	4.71	334.03	1.71
2017/01/29 18:36	4.71	334.03	1.71
2017/01/29 18:51	4.71	334.03	1.71
2017/01/29 19:06	4.68	331.25	1.71
2017/01/29 19:21	4.52	329.58	1.79
2017/01/29 19:36	4.39	302.01	1.71
2017/01/29 19:51	4.33	309.44	1.79
2017/01/29 20:06	4.21	300.21	1.81
2017/01/29 20:21	4.19	298.82	1.81
2017/01/29 20:36	4.19	292.99	1.77
2017/01/29 20:51	4.19	298.82	1.81
2017/01/29 21:06	4.19	292.99	1.77
2017/01/29 21:21	4.19	288.19	1.74
2017/01/29 21:36	4.25	290.90	1.73
2017/01/29 21:51	4.27	293.61	1.73
2017/01/29 22:06	4.27	293.61	1.73
2017/01/29 22:21	5.08	251.46	1.16
2017/01/29 22:36	5.08	251.46	1.16
2017/01/29 22:51	3.96	257.43	1.69
2017/01/29 23:06	3.79	253.26	1.77
2017/01/29 23:21	3.79	241.87	1.69
2017/01/29 23:36	3.69	238.19	1.73
2017/01/29 23:51	3.69	238.19	1.73
2017/01/30 00:06	3.41	211.53	1.72
2017/01/30 00:21	3.37	180.90	1.50
2017/01/30 00:36	3.37	181.32	1.50
2017/01/30 00:51	2.94	148.26	1.50
2017/01/30 01:06	2.86	142.22	1.50
2017/01/30 01:21	2.79	137.43	1.50
2017/01/30 01:36	2.72	132.50	1.50
2017/01/30 01:51	2.71	131.46	1.50
2017/01/30 02:06	2.53	118.82	1.50
2017/01/30 02:21	2.43	103.54	1.39
2017/01/30 02:36	2.41	101.67	1.37
2017/01/30 02:51	2.41	91.04	1.23
2017/01/30 03:06	2.37	88.75	1.23
2017/01/30 03:21	2.33	91.74	1.30
2017/01/30 03:36	2.32	82.85	1.19
2017/01/30 03:51	2.32	82.85	1.19
2017/01/30 04:06	2.25	81.87	1.23
2017/01/30 04:21	2.23	81.53	1.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 04:36	2.21	79.65	1.23
2017/01/30 04:51	2.21	80.00	1.23
2017/01/30 05:06	2.21	80.00	1.23
2017/01/30 05:21	2.36	87.22	1.22
2017/01/30 05:36	2.39	87.50	1.20
2017/01/30 05:51	2.43	90.97	1.22
2017/01/30 06:06	2.43	89.17	1.19
2017/01/30 06:21	2.87	114.10	1.19
2017/01/30 06:36	3.02	108.89	1.06
2017/01/30 06:51	3.37	188.26	1.56
2017/01/30 07:06	3.37	186.80	1.55
2017/01/30 07:21	3.72	217.08	1.56
2017/01/30 07:36	3.79	228.82	1.60
2017/01/30 07:51	3.79	243.40	1.70
2017/01/30 08:06	4.01	248.47	1.60
2017/01/30 08:21	4.37	299.30	1.70
2017/01/30 08:36	4.71	332.57	1.70
2017/01/30 08:51	4.71	369.17	1.89
2017/01/30 09:06	4.71	369.79	1.90
2017/01/30 09:21	4.61	358.89	1.90
2017/01/30 09:36	4.46	330.90	1.83
2017/01/30 09:51	4.43	338.89	1.90
2017/01/30 10:06	4.21	304.51	1.83
2017/01/30 10:21	4.18	298.61	1.82
2017/01/30 10:36	4.16	300.21	1.83
2017/01/30 10:51	4.15	310.21	1.90
2017/01/30 11:06	4.11	294.44	1.83
2017/01/30 11:21	4.04	287.29	1.83
2017/01/30 11:36	4.04	298.26	1.90
2017/01/30 11:51	3.98	283.68	1.85
2017/01/30 12:06	3.96	280.83	1.85
2017/01/30 12:21	3.93	277.99	1.85
2017/01/30 12:36	3.96	280.83	1.85
2017/01/30 12:51	3.96	277.36	1.83
2017/01/30 13:06	3.91	273.19	1.83
2017/01/30 13:21	3.87	260.62	1.77
2017/01/30 13:36	3.91	253.05	1.69
2017/01/30 13:51	3.83	235.14	1.62
2017/01/30 14:06	3.82	233.89	1.62
2017/01/30 14:21	3.82	220.28	1.53
2017/01/30 14:36	3.82	227.50	1.58
2017/01/30 14:51	3.76	228.96	1.62
2017/01/30 15:06	3.76	230.90	1.63
2017/01/30 15:21	3.75	221.53	1.58
2017/01/30 15:36	3.75	229.72	1.63

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 15:51	3.72	227.22	1.63
2017/01/30 16:06	3.72	226.60	1.63
2017/01/30 16:21	3.68	222.92	1.63
2017/01/30 16:36	3.65	220.49	1.63
2017/01/30 16:51	3.59	215.62	1.63
2017/01/30 17:06	3.59	204.17	1.54
2017/01/30 17:21	3.59	220.69	1.67
2017/01/30 17:36	3.64	219.10	1.63
2017/01/30 17:51	3.66	226.87	1.67
2017/01/30 18:06	3.69	238.82	1.74
2017/01/30 18:21	3.79	258.26	1.81
2017/01/30 18:36	3.93	272.01	1.81
2017/01/30 18:51	4.02	281.80	1.81
2017/01/30 19:06	4.02	281.80	1.81
2017/01/30 19:21	4.02	281.80	1.81
2017/01/30 19:36	4.02	281.80	1.81
2017/01/30 19:51	4.02	287.08	1.84
2017/01/30 20:06	3.98	253.96	1.65
2017/01/30 20:21	3.98	273.19	1.78
2017/01/30 20:36	4.01	285.62	1.84
2017/01/30 20:51	4.01	290.14	1.87
2017/01/30 21:06	3.98	273.19	1.78
2017/01/30 21:21	3.98	274.30	1.79
2017/01/30 21:36	3.96	284.30	1.87
2017/01/30 21:51	3.96	284.30	1.87
2017/01/30 22:06	3.94	270.21	1.79
2017/01/30 22:21	3.91	267.43	1.79
2017/01/30 22:36	3.86	250.55	1.71
2017/01/30 22:51	3.83	247.99	1.71
2017/01/30 23:06	3.75	240.21	1.71
2017/01/30 23:21	3.75	240.21	1.71
2017/01/30 23:36	3.65	231.25	1.71
2017/01/30 23:51	3.57	214.86	1.64
2017/01/31 00:06	3.43	202.78	1.64
2017/01/31 00:21	3.21	176.11	1.57
2017/01/31 00:36	3.07	165.07	1.57
2017/01/31 00:51	3.00	152.71	1.50
2017/01/31 01:06	3.00	129.58	1.28
2017/01/31 01:21	2.86	120.90	1.28
2017/01/31 01:36	2.78	129.51	1.43
2017/01/31 01:51	2.75	127.64	1.43
2017/01/31 02:06	2.66	122.01	1.43
2017/01/31 02:21	2.65	126.67	1.49
2017/01/31 02:36	2.54	118.96	1.49
2017/01/31 02:51	2.46	98.68	1.30

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 03:06	2.46	95.90	1.26
2017/01/31 03:21	2.46	95.90	1.26
2017/01/31 03:36	2.46	86.87	1.14
2017/01/31 03:51	2.43	90.56	1.21
2017/01/31 04:06	2.39	88.26	1.21
2017/01/31 04:21	2.34	86.04	1.21
2017/01/31 04:36	2.34	84.58	1.19
2017/01/31 04:51	2.36	86.81	1.21
2017/01/31 05:06	2.36	85.35	1.19
2017/01/31 05:21	2.40	84.65	1.15
2017/01/31 05:36	2.50	89.72	1.15
2017/01/31 05:51	2.53	93.26	1.18
2017/01/31 06:06	2.79	107.85	1.18
2017/01/31 06:21	2.79	114.17	1.25
2017/01/31 06:36	2.97	133.33	1.33
2017/01/31 06:51	3.22	160.69	1.43
2017/01/31 07:06	3.23	176.60	1.56
2017/01/31 07:21	3.55	223.12	1.72
2017/01/31 07:36	3.69	250.83	1.82
2017/01/31 07:51	3.89	272.85	1.84
2017/01/31 08:06	4.18	326.25	1.98
2017/01/31 08:21	4.48	335.28	1.84
2017/01/31 08:36	4.48	335.28	1.84
2017/01/31 08:51	4.48	343.89	1.89
2017/01/31 09:06	4.46	340.83	1.89
2017/01/31 09:21	4.30	305.55	1.78
2017/01/31 09:36	4.29	322.64	1.89
2017/01/31 09:51	4.16	309.17	1.89
2017/01/31 10:06	4.14	310.42	1.92
2017/01/31 10:21	4.12	293.68	1.82
2017/01/31 10:36	4.01	282.29	1.82
2017/01/31 10:51	4.00	280.69	1.82
2017/01/31 11:06	3.93	273.68	1.82
2017/01/31 11:21	3.93	273.68	1.82
2017/01/31 11:36	4.01	279.24	1.80
2017/01/31 11:51	3.91	279.10	1.86
2017/01/31 12:06	4.04	292.08	1.86
2017/01/31 12:21	4.05	292.57	1.86
2017/01/31 12:36	4.11	292.22	1.82
2017/01/31 12:51	4.18	305.62	1.86
2017/01/31 13:06	4.18	299.37	1.82
2017/01/31 13:21	4.18	297.36	1.81
2017/01/31 13:36	4.11	290.28	1.81
2017/01/31 13:51	4.11	271.39	1.69
2017/01/31 14:06	4.05	266.11	1.69

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 14:21	4.05	266.11	1.69
2017/01/31 14:36	4.04	281.80	1.80
2017/01/31 14:51	4.04	281.80	1.80
2017/01/31 15:06	4.02	295.62	1.90
2017/01/31 15:21	4.02	295.62	1.90
2017/01/31 15:36	4.02	272.57	1.75
2017/01/31 15:51	3.97	267.15	1.75
2017/01/31 16:06	3.97	267.15	1.75
2017/01/31 16:21	3.82	252.43	1.75
2017/01/31 16:36	3.76	250.14	1.77
2017/01/31 16:51	3.75	248.82	1.77
2017/01/31 17:06	3.75	244.93	1.74
2017/01/31 17:21	3.73	247.43	1.77
2017/01/31 17:36	3.76	197.71	1.40
2017/01/31 17:51	4.65	235.62	1.23
2017/01/31 18:06	4.65	235.62	1.23
2017/01/31 18:21	3.76	236.53	1.67
2017/01/31 18:36	3.86	199.79	1.36
2017/01/31 18:51	3.86	245.42	1.67
2017/01/31 19:06	3.86	247.22	1.69
2017/01/31 19:21	3.98	258.89	1.69
2017/01/31 19:36	4.12	219.79	1.36
2017/01/31 19:51	4.57	209.93	1.12
2017/01/31 20:06	5.59	272.01	1.09
2017/01/31 20:21	5.59	272.01	1.09
2017/01/31 20:36	4.57	203.61	1.09
2017/01/31 20:51	5.27	404.44	1.76
2017/01/31 21:06	4.27	323.96	1.91
2017/01/31 21:21	4.27	323.96	1.91
2017/01/31 21:36	4.27	323.96	1.91
2017/01/31 21:51	4.27	323.96	1.91
2017/01/31 22:06	4.16	304.44	1.86
2017/01/31 22:21	3.97	282.08	1.85
2017/01/31 22:36	3.91	259.24	1.73
2017/01/31 22:51	3.87	274.17	1.86
2017/01/31 23:06	3.84	252.64	1.73
2017/01/31 23:21	3.80	247.57	1.72
2017/01/31 23:36	3.71	238.47	1.72
2017/01/31 23:51	3.71	234.86	1.70
2017/02/01 00:06	3.52	215.14	1.67
2017/02/01 00:21	3.48	211.46	1.67
2017/02/01 00:36	3.48	197.92	1.57
2017/02/01 00:51	3.11	167.71	1.57
2017/02/01 01:06	3.08	165.56	1.57
2017/02/01 01:21	3.00	158.89	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 01:36	2.80	132.01	1.43
2017/02/01 01:51	2.62	119.72	1.43
2017/02/01 02:06	2.53	113.26	1.43
2017/02/01 02:21	2.51	111.32	1.42
2017/02/01 02:36	2.41	105.00	1.42
2017/02/01 02:51	2.37	99.10	1.37
2017/02/01 03:06	2.37	94.58	1.31
2017/02/01 03:21	2.29	83.33	1.22
2017/02/01 03:36	2.29	83.33	1.22
2017/02/01 03:51	2.29	83.33	1.22
2017/02/01 04:06	2.29	88.61	1.29
2017/02/01 04:21	2.29	83.33	1.22
2017/02/01 04:36	2.29	88.61	1.29
2017/02/01 04:51	2.33	90.97	1.29
2017/02/01 05:06	2.40	97.08	1.32
2017/02/01 05:21	2.47	96.25	1.26
2017/02/01 05:36	2.47	96.25	1.26
2017/02/01 05:51	2.50	94.03	1.21
2017/02/01 06:06	2.59	99.44	1.21
2017/02/01 06:21	2.91	117.71	1.21
2017/02/01 06:36	3.19	134.37	1.21
2017/02/01 06:51	3.19	147.78	1.33
2017/02/01 07:06	3.48	185.00	1.46
2017/02/01 07:21	3.76	217.36	1.54
2017/02/01 07:36	3.76	217.78	1.54
2017/02/01 07:51	4.01	254.65	1.64
2017/02/01 08:06	4.75	324.44	1.64
2017/02/01 08:21	5.07	368.61	1.70
2017/02/01 08:36	5.07	357.36	1.65
2017/02/01 08:51	4.76	337.29	1.70
2017/02/01 09:06	4.76	327.01	1.65
2017/02/01 09:21	4.64	324.65	1.70
2017/02/01 09:36	4.59	310.69	1.65
2017/02/01 09:51	4.59	290.83	1.54
2017/02/01 10:06	4.57	288.33	1.54
2017/02/01 10:21	4.52	329.30	1.79
2017/02/01 10:36	4.57	246.74	1.32
2017/02/01 10:51	4.27	303.47	1.79
2017/02/01 11:06	4.25	300.69	1.79
2017/02/01 11:21	4.27	291.60	1.72
2017/02/01 11:36	4.33	297.01	1.72
2017/02/01 11:51	4.29	305.21	1.79
2017/02/01 12:06	4.29	298.68	1.75
2017/02/01 12:21	4.33	303.40	1.75
2017/02/01 12:36	4.29	299.17	1.75

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 12:51	4.18	288.05	1.75
2017/02/01 13:06	4.07	277.08	1.75
2017/02/01 13:21	4.07	277.08	1.75
2017/02/01 13:36	4.07	256.80	1.62
2017/02/01 13:51	4.07	287.01	1.81
2017/02/01 14:06	4.07	284.86	1.80
2017/02/01 14:21	3.94	272.29	1.80
2017/02/01 14:36	3.94	272.29	1.80
2017/02/01 14:51	3.89	266.74	1.80
2017/02/01 15:06	3.89	256.39	1.73
2017/02/01 15:21	3.84	241.94	1.66
2017/02/01 15:36	3.83	240.69	1.66
2017/02/01 15:51	3.73	231.87	1.66
2017/02/01 16:06	3.68	236.74	1.73
2017/02/01 16:21	3.68	212.08	1.55
2017/02/01 16:36	3.61	206.32	1.55
2017/02/01 16:51	3.58	204.03	1.55
2017/02/01 17:06	3.59	208.40	1.57
2017/02/01 17:21	3.61	201.04	1.51
2017/02/01 17:36	3.61	209.51	1.57
2017/02/01 17:51	3.79	254.10	1.78
2017/02/01 18:06	3.79	254.10	1.78
2017/02/01 18:21	3.83	258.12	1.78
2017/02/01 18:36	3.83	259.93	1.79
2017/02/01 18:51	3.89	263.61	1.78
2017/02/01 19:06	3.91	231.80	1.55
2017/02/01 19:21	3.93	232.99	1.55
2017/02/01 19:36	3.93	226.11	1.50
2017/02/01 19:51	4.01	233.05	1.50
2017/02/01 20:06	4.09	240.14	1.50
2017/02/01 20:21	4.12	242.43	1.50
2017/02/01 20:36	4.25	252.64	1.50
2017/02/01 20:51	4.22	300.62	1.80
2017/02/01 21:06	4.25	314.51	1.87
2017/02/01 21:21	4.25	314.51	1.87
2017/02/01 21:36	4.22	301.18	1.81
2017/02/01 21:51	3.98	277.15	1.81
2017/02/01 22:06	3.97	275.76	1.81
2017/02/01 22:21	3.97	274.37	1.80
2017/02/01 22:36	3.94	271.60	1.80
2017/02/01 22:51	3.86	238.75	1.63
2017/02/01 23:06	3.80	233.75	1.63
2017/02/01 23:21	3.79	232.50	1.63
2017/02/01 23:36	3.73	227.15	1.63
2017/02/01 23:51	3.55	212.43	1.63

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 00:06	3.37	208.33	1.73
2017/02/02 00:21	3.30	202.15	1.73
2017/02/02 00:36	3.18	191.11	1.73
2017/02/02 00:51	3.12	186.25	1.73
2017/02/02 01:06	3.11	174.10	1.63
2017/02/02 01:21	3.08	164.72	1.56
2017/02/02 01:36	2.93	139.31	1.42
2017/02/02 01:51	2.71	120.83	1.38
2017/02/02 02:06	2.66	117.85	1.38
2017/02/02 02:21	2.65	111.53	1.31
2017/02/02 02:36	2.65	102.01	1.20
2017/02/02 02:51	2.51	94.31	1.20
2017/02/02 03:06	2.43	89.72	1.20
2017/02/02 03:21	2.28	81.39	1.20
2017/02/02 03:36	2.26	84.31	1.25
2017/02/02 03:51	2.26	86.32	1.28
2017/02/02 04:06	2.26	86.87	1.29
2017/02/02 04:21	2.22	87.85	1.34
2017/02/02 04:36	2.26	90.28	1.34
2017/02/02 04:51	2.22	87.85	1.34
2017/02/02 05:06	2.22	83.19	1.27
2017/02/02 05:21	2.25	84.37	1.27
2017/02/02 05:36	2.32	88.26	1.27
2017/02/02 05:51	2.34	88.54	1.25
2017/02/02 06:06	2.48	96.32	1.25
2017/02/02 06:21	2.78	113.33	1.25
2017/02/02 06:36	2.83	116.67	1.25
2017/02/02 06:51	3.01	127.64	1.25
2017/02/02 07:06	3.15	154.37	1.41
2017/02/02 07:21	3.44	197.01	1.59
2017/02/02 07:36	3.44	223.12	1.80
2017/02/02 07:51	3.80	260.90	1.82
2017/02/02 08:06	4.26	307.50	1.82
2017/02/02 08:21	4.30	314.44	1.83
2017/02/02 08:36	4.39	323.26	1.83
2017/02/02 08:51	4.51	325.35	1.77
2017/02/02 09:06	4.51	320.00	1.74
2017/02/02 09:21	4.51	325.35	1.77
2017/02/02 09:36	4.25	298.33	1.77
2017/02/02 09:51	4.15	288.54	1.77
2017/02/02 10:06	4.11	284.37	1.77
2017/02/02 10:21	4.11	284.37	1.77
2017/02/02 10:36	3.93	259.86	1.73
2017/02/02 10:51	3.91	258.54	1.73
2017/02/02 11:06	3.91	251.67	1.68

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 11:21	3.91	258.54	1.73
2017/02/02 11:36	3.86	258.89	1.77
2017/02/02 11:51	3.86	266.46	1.82
2017/02/02 12:06	3.84	257.50	1.77
2017/02/02 12:21	3.84	257.50	1.77
2017/02/02 12:36	3.84	248.61	1.70
2017/02/02 12:51	3.84	248.61	1.70
2017/02/02 13:06	3.83	247.29	1.70
2017/02/02 13:21	3.83	247.50	1.71
2017/02/02 13:36	3.69	234.65	1.71
2017/02/02 13:51	3.69	234.65	1.71
2017/02/02 14:06	3.68	226.46	1.66
2017/02/02 14:21	3.61	220.28	1.66
2017/02/02 14:36	3.61	220.28	1.66
2017/02/02 14:51	3.57	215.21	1.64
2017/02/02 15:06	3.54	212.78	1.64
2017/02/02 15:21	3.48	212.64	1.68
2017/02/02 15:36	3.46	205.55	1.64
2017/02/02 15:51	3.41	197.50	1.61
2017/02/02 16:06	3.39	186.80	1.54
2017/02/02 16:21	3.37	193.96	1.61
2017/02/02 16:36	3.37	185.69	1.54
2017/02/02 16:51	3.41	197.50	1.61
2017/02/02 17:06	3.41	188.89	1.54
2017/02/02 17:21	3.44	150.56	1.21
2017/02/02 17:36	3.47	152.29	1.21
2017/02/02 17:51	3.47	211.39	1.68
2017/02/02 18:06	3.50	213.82	1.68
2017/02/02 18:21	3.55	218.75	1.68
2017/02/02 18:36	3.71	232.57	1.68
2017/02/02 18:51	3.71	248.19	1.79
2017/02/02 19:06	3.75	235.28	1.67
2017/02/02 19:21	3.79	239.10	1.67
2017/02/02 19:36	3.86	233.54	1.59
2017/02/02 19:51	3.89	265.83	1.79
2017/02/02 20:06	4.04	299.93	1.92
2017/02/02 20:21	4.04	299.93	1.92
2017/02/02 20:36	4.05	299.51	1.90
2017/02/02 20:51	4.08	302.50	1.90
2017/02/02 21:06	4.08	297.15	1.87
2017/02/02 21:21	4.05	294.24	1.87
2017/02/02 21:36	4.08	297.15	1.87
2017/02/02 21:51	4.05	294.24	1.87
2017/02/02 22:06	4.05	280.55	1.78
2017/02/02 22:21	5.58	317.01	1.27

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 22:36	5.58	317.01	1.27
2017/02/02 22:51	4.05	242.08	1.54
2017/02/02 23:06	3.86	225.49	1.54
2017/02/02 23:21	3.68	235.90	1.72
2017/02/02 23:36	3.59	228.19	1.72
2017/02/02 23:51	3.57	225.62	1.72
2017/02/03 00:06	3.50	219.24	1.72
2017/02/03 00:21	3.30	196.94	1.68
2017/02/03 00:36	3.14	180.69	1.66
2017/02/03 00:51	3.14	180.69	1.66
2017/02/03 01:06	3.11	154.51	1.44
2017/02/03 01:21	2.84	135.69	1.44
2017/02/03 01:36	2.78	130.90	1.44
2017/02/03 01:51	2.71	125.07	1.43
2017/02/03 02:06	2.64	118.12	1.40
2017/02/03 02:21	2.58	114.44	1.40
2017/02/03 02:36	2.51	100.07	1.28
2017/02/03 02:51	2.44	96.04	1.28
2017/02/03 03:06	2.40	93.61	1.28
2017/02/03 03:21	2.30	91.60	1.33
2017/02/03 03:36	2.29	87.36	1.28
2017/02/03 03:51	2.26	87.92	1.31
2017/02/03 04:06	2.26	87.92	1.31
2017/02/03 04:21	2.26	74.72	1.11
2017/02/03 04:36	2.26	74.72	1.11
2017/02/03 04:51	2.26	76.87	1.14
2017/02/03 05:06	2.28	77.57	1.14
2017/02/03 05:21	2.28	82.43	1.21
2017/02/03 05:36	2.29	85.83	1.25
2017/02/03 05:51	2.29	97.15	1.42
2017/02/03 06:06	2.46	108.61	1.43
2017/02/03 06:21	2.68	124.24	1.44
2017/02/03 06:36	2.93	145.76	1.48
2017/02/03 06:51	3.05	154.93	1.48
2017/02/03 07:06	3.34	171.87	1.44
2017/02/03 07:21	3.84	226.80	1.55
2017/02/03 07:36	4.33	258.19	1.49
2017/02/03 07:51	5.37	267.99	1.14
2017/02/03 08:06	5.48	361.73	1.49
2017/02/03 08:21	5.54	366.94	1.49
2017/02/03 08:36	5.54	366.94	1.49
2017/02/03 08:51	5.54	440.62	1.79
2017/02/03 09:06	4.54	331.60	1.79
2017/02/03 09:21	4.52	330.21	1.79
2017/02/03 09:36	4.36	312.85	1.79

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 09:51	4.36	306.46	1.75
2017/02/03 10:06	4.27	297.50	1.75
2017/02/03 10:21	4.26	296.11	1.75
2017/02/03 10:36	4.26	296.11	1.75
2017/02/03 10:51	4.22	292.22	1.75
2017/02/03 11:06	4.22	292.22	1.75
2017/02/03 11:21	4.19	295.76	1.79
2017/02/03 11:36	4.29	305.69	1.79
2017/02/03 11:51	4.26	302.85	1.79
2017/02/03 12:06	4.26	313.19	1.85
2017/02/03 12:21	4.23	310.28	1.85
2017/02/03 12:36	4.26	273.19	1.61
2017/02/03 12:51	4.23	282.85	1.69
2017/02/03 13:06	4.15	274.86	1.69
2017/02/03 13:21	4.11	270.90	1.69
2017/02/03 13:36	4.15	274.86	1.69
2017/02/03 13:51	4.11	270.90	1.69
2017/02/03 14:06	4.11	264.30	1.65
2017/02/03 14:21	4.07	260.49	1.65
2017/02/03 14:36	4.01	255.35	1.65
2017/02/03 14:51	4.01	255.35	1.65
2017/02/03 15:06	3.97	251.53	1.65
2017/02/03 15:21	3.93	234.37	1.56
2017/02/03 15:36	3.90	232.01	1.56
2017/02/03 15:51	3.86	228.40	1.56
2017/02/03 16:06	3.82	231.67	1.61
2017/02/03 16:21	3.82	239.86	1.66
2017/02/03 16:36	3.80	249.79	1.74
2017/02/03 16:51	3.80	249.79	1.74
2017/02/03 17:06	3.80	238.61	1.66
2017/02/03 17:21	3.82	239.86	1.66
2017/02/03 17:36	3.83	257.08	1.77
2017/02/03 17:51	3.84	241.46	1.66
2017/02/03 18:06	3.86	242.78	1.66
2017/02/03 18:21	3.86	242.78	1.66
2017/02/03 18:36	3.94	250.35	1.66
2017/02/03 18:51	4.86	276.74	1.36
2017/02/03 19:06	5.91	272.01	1.01
2017/02/03 19:21	5.91	264.17	0.98
2017/02/03 19:36	5.91	264.17	0.98
2017/02/03 19:51	5.89	269.79	1.01
2017/02/03 20:06	5.89	262.43	0.98
2017/02/03 20:21	5.87	268.89	1.01
2017/02/03 20:36	5.87	292.15	1.09
2017/02/03 20:51	5.55	270.62	1.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 21:06	5.55	280.42	1.14
2017/02/03 21:21	5.51	277.50	1.14
2017/02/03 21:36	5.51	267.78	1.10
2017/02/03 21:51	4.97	239.44	1.14
2017/02/03 22:06	4.71	221.53	1.14
2017/02/03 22:21	4.36	232.57	1.33
2017/02/03 22:36	4.08	215.62	1.36
2017/02/03 22:51	4.08	215.62	1.36
2017/02/03 23:06	3.96	206.18	1.36
2017/02/03 23:21	3.94	230.76	1.53
2017/02/03 23:36	3.90	249.51	1.68
2017/02/03 23:51	3.87	255.49	1.73
2017/02/04 00:06	3.76	248.82	1.76
2017/02/04 00:21	3.75	243.61	1.73
2017/02/04 00:36	3.58	228.12	1.73
2017/02/04 00:51	3.52	227.29	1.77
2017/02/04 01:06	3.34	210.55	1.77
2017/02/04 01:21	3.32	209.10	1.78
2017/02/04 01:36	3.32	209.10	1.78
2017/02/04 01:51	3.27	183.96	1.59
2017/02/04 02:06	3.25	175.97	1.54
2017/02/04 02:21	3.18	176.11	1.59
2017/02/04 02:36	3.19	171.25	1.54
2017/02/04 02:51	3.18	170.14	1.54
2017/02/04 03:06	3.14	164.79	1.52
2017/02/04 03:21	2.90	147.01	1.52
2017/02/04 03:36	2.90	147.01	1.52
2017/02/04 03:51	2.84	149.65	1.59
2017/02/04 04:06	2.82	147.50	1.59
2017/02/04 04:21	2.79	153.33	1.68
2017/02/04 04:36	2.65	134.93	1.59
2017/02/04 04:51	2.64	126.18	1.50
2017/02/04 05:06	2.64	126.18	1.50
2017/02/04 05:21	2.62	122.64	1.47
2017/02/04 05:36	2.57	118.89	1.47
2017/02/04 05:51	2.57	112.57	1.39
2017/02/04 06:06	2.57	125.42	1.55
2017/02/04 06:21	2.57	112.57	1.39
2017/02/04 06:36	2.57	119.86	1.48
2017/02/04 06:51	2.61	115.28	1.39
2017/02/04 07:06	2.72	130.49	1.48
2017/02/04 07:21	3.00	150.35	1.48
2017/02/04 07:36	3.04	157.71	1.52
2017/02/04 07:51	3.33	182.01	1.54
2017/02/04 08:06	3.33	182.01	1.54

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 08:21	3.43	189.79	1.54
2017/02/04 08:36	3.43	193.54	1.57
2017/02/04 08:51	3.79	236.67	1.66
2017/02/04 09:06	4.12	269.30	1.67
2017/02/04 09:21	4.26	284.24	1.68
2017/02/04 09:36	4.36	333.12	1.91
2017/02/04 09:51	4.36	333.12	1.91
2017/02/04 10:06	4.46	312.15	1.73
2017/02/04 10:21	4.55	322.01	1.73
2017/02/04 10:36	4.57	327.99	1.75
2017/02/04 10:51	4.57	326.53	1.75
2017/02/04 11:06	4.64	335.14	1.75
2017/02/04 11:21	4.66	338.05	1.75
2017/02/04 11:36	4.66	336.60	1.75
2017/02/04 11:51	4.71	322.15	1.65
2017/02/04 12:06	4.71	322.15	1.65
2017/02/04 12:21	4.71	322.15	1.65
2017/02/04 12:36	4.71	322.15	1.65
2017/02/04 12:51	4.71	322.15	1.65
2017/02/04 13:06	4.71	344.79	1.77
2017/02/04 13:21	4.61	319.86	1.69
2017/02/04 13:36	4.61	319.86	1.69
2017/02/04 13:51	4.61	319.86	1.69
2017/02/04 14:06	4.61	319.86	1.69
2017/02/04 14:21	4.62	316.60	1.66
2017/02/04 14:36	4.62	313.40	1.65
2017/02/04 14:51	4.62	313.40	1.65
2017/02/04 15:06	4.62	313.40	1.65
2017/02/04 15:21	4.44	325.55	1.81
2017/02/04 15:36	4.44	325.55	1.81
2017/02/04 15:51	4.34	324.65	1.87
2017/02/04 16:06	4.30	311.04	1.81
2017/02/04 16:21	4.40	329.58	1.86
2017/02/04 16:36	4.40	317.71	1.79
2017/02/04 16:51	4.29	311.67	1.83
2017/02/04 17:06	4.32	309.10	1.79
2017/02/04 17:21	4.32	314.10	1.82
2017/02/04 17:36	4.32	314.10	1.82
2017/02/04 17:51	4.22	303.96	1.82
2017/02/04 18:06	4.32	314.10	1.82
2017/02/04 18:21	4.32	314.10	1.82
2017/02/04 18:36	4.26	310.35	1.83
2017/02/04 18:51	4.33	299.44	1.73
2017/02/04 19:06	4.34	300.76	1.73
2017/02/04 19:21	4.51	316.11	1.72

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 19:36	4.54	301.39	1.63
2017/02/04 19:51	4.54	271.67	1.47
2017/02/04 20:06	4.54	271.67	1.47
2017/02/04 20:21	4.30	251.60	1.47
2017/02/04 20:36	4.26	276.25	1.63
2017/02/04 20:51	4.25	285.00	1.69
2017/02/04 21:06	4.25	300.90	1.79
2017/02/04 21:21	4.08	284.30	1.79
2017/02/04 21:36	4.05	281.53	1.79
2017/02/04 21:51	4.05	281.53	1.79
2017/02/04 22:06	3.97	273.19	1.79
2017/02/04 22:21	3.96	245.62	1.62
2017/02/04 22:36	3.90	240.62	1.62
2017/02/04 22:51	3.90	271.11	1.82
2017/02/04 23:06	3.89	272.64	1.84
2017/02/04 23:21	3.90	271.11	1.82
2017/02/04 23:36	3.90	271.11	1.82
2017/02/04 23:51	3.91	265.83	1.78
2017/02/05 00:06	3.79	247.36	1.73
2017/02/05 00:21	3.84	252.64	1.73
2017/02/05 00:36	3.76	231.80	1.64
2017/02/05 00:51	3.71	239.51	1.73
2017/02/05 01:06	3.71	239.51	1.73
2017/02/05 01:21	3.65	221.94	1.64
2017/02/05 01:36	3.64	220.69	1.64
2017/02/05 01:51	3.50	201.80	1.59
2017/02/05 02:06	3.50	201.80	1.59
2017/02/05 02:21	3.26	193.54	1.68
2017/02/05 02:36	3.16	185.21	1.68
2017/02/05 02:51	3.11	163.47	1.53
2017/02/05 03:06	3.11	160.21	1.50
2017/02/05 03:21	3.04	155.00	1.50
2017/02/05 03:36	3.02	153.96	1.50
2017/02/05 03:51	3.01	152.92	1.50
2017/02/05 04:06	2.97	149.86	1.50
2017/02/05 04:21	2.75	124.51	1.39
2017/02/05 04:36	2.75	124.51	1.39
2017/02/05 04:51	2.71	121.74	1.39
2017/02/05 05:06	2.59	113.75	1.38
2017/02/05 05:21	2.59	113.75	1.38
2017/02/05 05:36	2.59	120.42	1.46
2017/02/05 05:51	2.59	120.42	1.46
2017/02/05 06:06	2.64	116.39	1.38
2017/02/05 06:21	2.69	118.47	1.36
2017/02/05 06:36	2.69	118.47	1.36

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 06:51	2.71	118.68	1.36
2017/02/05 07:06	2.71	118.68	1.36
2017/02/05 07:21	2.80	124.51	1.35
2017/02/05 07:36	3.00	137.85	1.36
2017/02/05 07:51	3.08	152.01	1.44
2017/02/05 08:06	3.25	166.53	1.46
2017/02/05 08:21	3.40	199.65	1.64
2017/02/05 08:36	3.44	205.14	1.65
2017/02/05 08:51	3.54	211.60	1.64
2017/02/05 09:06	3.75	229.93	1.64
2017/02/05 09:21	3.91	247.15	1.65
2017/02/05 09:36	3.97	237.99	1.56
2017/02/05 09:51	4.22	254.79	1.53
2017/02/05 10:06	4.47	282.36	1.56
2017/02/05 10:21	4.59	269.30	1.43
2017/02/05 10:36	4.75	282.22	1.43
2017/02/05 10:51	4.79	330.97	1.65
2017/02/05 11:06	4.79	330.97	1.65
2017/02/05 11:21	4.82	332.43	1.65
2017/02/05 11:36	4.79	329.72	1.65
2017/02/05 11:51	4.80	331.11	1.65
2017/02/05 12:06	4.82	319.86	1.59
2017/02/05 12:21	4.82	317.36	1.57
2017/02/05 12:36	6.07	371.25	1.33
2017/02/05 12:51	6.07	371.25	1.33
2017/02/05 13:06	6.07	371.25	1.33
2017/02/05 13:21	6.07	422.92	1.51
2017/02/05 13:36	6.07	422.92	1.51
2017/02/05 13:51	6.07	422.92	1.51
2017/02/05 14:06	6.83	399.03	1.21
2017/02/05 14:21	6.83	399.03	1.21
2017/02/05 14:36	6.83	399.03	1.21
2017/02/05 14:51	5.15	326.80	1.47
2017/02/05 15:06	5.01	367.78	1.72
2017/02/05 15:21	5.01	367.78	1.72
2017/02/05 15:36	5.15	326.80	1.47
2017/02/05 15:51	5.01	314.30	1.47
2017/02/05 16:06	5.01	365.48	1.71
2017/02/05 16:21	4.55	318.61	1.71
2017/02/05 16:36	4.55	318.61	1.71
2017/02/05 16:51	4.55	318.61	1.71
2017/02/05 17:06	4.05	287.29	1.83
2017/02/05 17:21	3.94	255.69	1.69
2017/02/05 17:36	3.93	253.19	1.68
2017/02/05 17:51	3.93	254.37	1.69

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 18:06	3.89	250.49	1.69
2017/02/05 18:21	3.89	250.49	1.69
2017/02/05 18:36	3.90	264.93	1.78
2017/02/05 18:51	3.93	274.79	1.83
2017/02/05 19:06	3.90	270.21	1.81
2017/02/05 19:21	3.90	272.01	1.83
2017/02/05 19:36	3.84	271.74	1.86
2017/02/05 19:51	3.84	271.74	1.86
2017/02/05 20:06	3.84	264.65	1.81
2017/02/05 20:21	4.15	293.26	1.80
2017/02/05 20:36	4.23	301.80	1.80
2017/02/05 20:51	4.33	311.80	1.80
2017/02/05 21:06	4.25	303.26	1.80
2017/02/05 21:21	4.32	310.42	1.80
2017/02/05 21:36	4.33	287.50	1.66
2017/02/05 21:51	4.32	286.18	1.66
2017/02/05 22:06	4.32	280.69	1.63
2017/02/05 22:21	4.32	286.18	1.66
2017/02/05 22:36	4.26	289.44	1.71
2017/02/05 22:51	4.02	270.62	1.74
2017/02/05 23:06	3.93	257.36	1.71
2017/02/05 23:21	3.79	246.67	1.73
2017/02/05 23:36	3.61	227.64	1.71
2017/02/05 23:51	3.41	212.08	1.73
2017/02/06 00:06	3.39	209.58	1.73
2017/02/06 00:21	3.41	212.08	1.73
2017/02/06 00:36	3.39	207.92	1.71
2017/02/06 00:51	3.39	207.92	1.71
2017/02/06 01:06	3.15	187.15	1.71
2017/02/06 01:21	3.11	176.25	1.64
2017/02/06 01:36	2.97	164.86	1.64
2017/02/06 01:51	2.90	153.06	1.58
2017/02/06 02:06	2.82	131.94	1.42
2017/02/06 02:21	2.82	129.51	1.40
2017/02/06 02:36	2.73	123.96	1.40
2017/02/06 02:51	2.72	123.06	1.40
2017/02/06 03:06	2.65	113.54	1.34
2017/02/06 03:21	2.65	109.44	1.29
2017/02/06 03:36	2.73	114.51	1.29
2017/02/06 03:51	2.75	115.35	1.29
2017/02/06 04:06	2.75	115.35	1.29
2017/02/06 04:21	2.76	123.33	1.37
2017/02/06 04:36	2.76	126.39	1.40
2017/02/06 04:51	3.02	162.43	1.58
2017/02/06 05:06	3.04	163.54	1.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 05:21	3.11	169.03	1.58
2017/02/06 05:36	3.15	172.36	1.58
2017/02/06 05:51	3.27	182.36	1.58
2017/02/06 06:06	3.30	148.96	1.27
2017/02/06 06:21	3.36	152.57	1.27
2017/02/06 06:36	3.93	245.42	1.63
2017/02/06 06:51	4.34	266.80	1.53
2017/02/06 07:06	4.36	300.55	1.72
2017/02/06 07:21	4.36	300.55	1.72
2017/02/06 07:36	4.51	315.83	1.72
2017/02/06 07:51	5.23	369.37	1.63
2017/02/06 08:06	6.12	461.25	1.63
2017/02/06 08:21	6.12	411.53	1.45
2017/02/06 08:36	6.50	447.36	1.45
2017/02/06 08:51	6.98	494.72	1.45
2017/02/06 09:06	6.50	469.44	1.52
2017/02/06 09:21	6.26	445.69	1.52
2017/02/06 09:36	6.50	469.44	1.52
2017/02/06 09:51	6.26	445.69	1.52
2017/02/06 10:06	6.26	389.37	1.33
2017/02/06 10:21	6.26	389.37	1.33
2017/02/06 10:36	5.21	299.86	1.33
2017/02/06 10:51	5.19	342.57	1.53
2017/02/06 11:06	5.19	336.11	1.50
2017/02/06 11:21	5.05	329.58	1.53
2017/02/06 11:36	4.73	300.21	1.53
2017/02/06 11:51	4.59	304.65	1.62
2017/02/06 12:06	4.47	309.17	1.71
2017/02/06 12:21	4.14	291.11	1.80
2017/02/06 12:36	4.11	288.33	1.80
2017/02/06 12:51	4.11	292.71	1.82
2017/02/06 13:06	4.11	288.33	1.80
2017/02/06 13:21	4.11	261.87	1.63
2017/02/06 13:36	4.11	261.87	1.63
2017/02/06 13:51	3.89	270.35	1.83
2017/02/06 14:06	3.87	266.94	1.81
2017/02/06 14:21	3.87	266.94	1.81
2017/02/06 14:36	3.87	266.94	1.81
2017/02/06 14:51	3.87	261.53	1.77
2017/02/06 15:06	3.83	255.97	1.76
2017/02/06 15:21	3.83	245.97	1.70
2017/02/06 15:36	3.83	235.14	1.62
2017/02/06 15:51	3.83	245.97	1.70
2017/02/06 16:06	3.75	238.26	1.70
2017/02/06 16:21	3.69	233.19	1.70

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 16:36	3.69	233.82	1.70
2017/02/06 16:51	3.69	247.22	1.80
2017/02/06 17:06	3.69	233.82	1.70
2017/02/06 17:21	3.71	248.61	1.80
2017/02/06 17:36	3.72	249.93	1.80
2017/02/06 17:51	3.73	240.00	1.72
2017/02/06 18:06	4.00	221.60	1.44
2017/02/06 18:21	3.80	246.46	1.72
2017/02/06 18:36	3.87	252.99	1.72
2017/02/06 18:51	4.00	274.51	1.78
2017/02/06 19:06	4.07	284.86	1.80
2017/02/06 19:21	3.91	270.42	1.81
2017/02/06 19:36	3.91	278.40	1.86
2017/02/06 19:51	3.91	284.58	1.90
2017/02/06 20:06	3.91	278.40	1.86
2017/02/06 20:21	3.91	278.40	1.86
2017/02/06 20:36	4.14	247.08	1.52
2017/02/06 20:51	4.83	255.90	1.26
2017/02/06 21:06	4.83	255.90	1.26
2017/02/06 21:21	4.83	255.90	1.26
2017/02/06 21:36	4.14	300.76	1.86
2017/02/06 21:51	4.11	297.85	1.86
2017/02/06 22:06	4.09	296.39	1.86
2017/02/06 22:21	4.04	290.62	1.86
2017/02/06 22:36	4.01	281.60	1.82
2017/02/06 22:51	4.00	276.18	1.79
2017/02/06 23:06	4.00	276.18	1.79
2017/02/06 23:21	3.87	246.74	1.67
2017/02/06 23:36	3.73	226.94	1.62
2017/02/06 23:51	3.72	204.10	1.47
2017/02/07 00:06	3.55	190.97	1.47
2017/02/07 00:21	3.44	201.74	1.62
2017/02/07 00:36	3.29	198.61	1.71
2017/02/07 00:51	3.27	197.36	1.71
2017/02/07 01:06	3.19	190.14	1.71
2017/02/07 01:21	3.27	187.85	1.63
2017/02/07 01:36	3.14	167.08	1.54
2017/02/07 01:51	3.12	162.71	1.51
2017/02/07 02:06	3.07	144.72	1.38
2017/02/07 02:21	2.96	137.15	1.38
2017/02/07 02:36	2.89	140.69	1.46
2017/02/07 02:51	2.89	140.69	1.46
2017/02/07 03:06	2.86	145.83	1.54
2017/02/07 03:21	2.89	147.85	1.54
2017/02/07 03:36	2.91	152.50	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 03:51	2.91	152.50	1.56
2017/02/07 04:06	2.80	141.11	1.53
2017/02/07 04:21	2.80	139.44	1.51
2017/02/07 04:36	2.80	141.11	1.53
2017/02/07 04:51	2.80	141.11	1.53
2017/02/07 05:06	2.97	153.54	1.53
2017/02/07 05:21	3.07	171.18	1.63
2017/02/07 05:36	3.07	171.18	1.63
2017/02/07 05:51	3.07	155.14	1.48
2017/02/07 06:06	3.12	159.31	1.48
2017/02/07 06:21	3.12	167.15	1.55
2017/02/07 06:36	3.12	167.15	1.55
2017/02/07 06:51	3.26	178.12	1.55
2017/02/07 07:06	3.50	197.71	1.55
2017/02/07 07:21	4.02	241.60	1.55
2017/02/07 07:36	4.52	256.11	1.39
2017/02/07 07:51	4.72	272.08	1.39
2017/02/07 08:06	4.76	306.11	1.54
2017/02/07 08:21	4.77	276.67	1.39
2017/02/07 08:36	4.77	307.36	1.54
2017/02/07 08:51	4.76	336.94	1.70
2017/02/07 09:06	4.40	302.01	1.70
2017/02/07 09:21	4.37	299.30	1.70
2017/02/07 09:36	4.32	302.50	1.75
2017/02/07 09:51	4.32	302.50	1.75
2017/02/07 10:06	4.29	306.74	1.80
2017/02/07 10:21	4.22	302.15	1.81
2017/02/07 10:36	4.22	302.15	1.81
2017/02/07 10:51	4.14	285.69	1.76
2017/02/07 11:06	4.07	278.82	1.76
2017/02/07 11:21	4.07	278.82	1.76
2017/02/07 11:36	4.02	271.39	1.74
2017/02/07 11:51	4.02	271.39	1.74
2017/02/07 12:06	4.08	276.80	1.74
2017/02/07 12:21	4.08	273.89	1.72
2017/02/07 12:36	4.05	271.18	1.72
2017/02/07 12:51	4.14	288.40	1.78
2017/02/07 13:06	4.14	288.40	1.78
2017/02/07 13:21	4.08	256.87	1.62
2017/02/07 13:36	4.14	261.94	1.62
2017/02/07 13:51	4.14	261.94	1.62
2017/02/07 14:06	4.08	248.12	1.56
2017/02/07 14:21	3.98	248.12	1.62
2017/02/07 14:36	3.96	237.22	1.56
2017/02/07 14:51	3.89	270.62	1.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 15:06	3.89	231.25	1.56
2017/02/07 15:21	3.86	256.39	1.75
2017/02/07 15:36	3.86	209.65	1.43
2017/02/07 15:51	3.89	175.42	1.18
2017/02/07 16:06	3.86	173.61	1.18
2017/02/07 16:21	3.86	230.90	1.57
2017/02/07 16:36	3.64	175.35	1.30
2017/02/07 16:51	3.91	195.07	1.30
2017/02/07 17:06	3.71	180.21	1.30
2017/02/07 17:21	3.71	147.08	1.06
2017/02/07 17:36	3.71	147.08	1.06
2017/02/07 17:51	3.87	156.74	1.06
2017/02/07 18:06	3.79	184.58	1.29
2017/02/07 18:21	3.79	199.37	1.40
2017/02/07 18:36	3.87	205.76	1.40
2017/02/07 18:51	3.87	210.07	1.43
2017/02/07 19:06	4.01	200.42	1.29
2017/02/07 19:21	4.01	190.97	1.23
2017/02/07 19:36	4.01	189.51	1.22
2017/02/07 19:51	4.01	190.97	1.23
2017/02/07 20:06	4.08	195.76	1.23
2017/02/07 20:21	4.02	209.30	1.34
2017/02/07 20:36	4.05	211.39	1.34
2017/02/07 20:51	4.07	212.43	1.34
2017/02/07 21:06	4.07	212.43	1.34
2017/02/07 21:21	4.07	246.94	1.56
2017/02/07 21:36	4.18	256.74	1.56
2017/02/07 21:51	4.18	261.25	1.59
2017/02/07 22:06	4.18	261.25	1.59
2017/02/07 22:21	4.02	247.57	1.59
2017/02/07 22:36	3.90	223.12	1.50
2017/02/07 22:51	3.84	218.12	1.50
2017/02/07 23:06	3.84	185.21	1.27
2017/02/07 23:21	3.64	170.83	1.27
2017/02/07 23:36	3.62	169.86	1.27
2017/02/07 23:51	3.64	170.83	1.27
2017/02/08 00:06	3.57	168.89	1.29
2017/02/08 00:21	3.47	162.29	1.29
2017/02/08 00:36	3.44	138.75	1.12
2017/02/08 00:51	3.16	106.32	0.97
2017/02/08 01:06	3.08	102.15	0.97
2017/02/08 01:21	3.08	94.10	0.89
2017/02/08 01:36	3.01	90.97	0.89
2017/02/08 01:51	2.97	94.03	0.94
2017/02/08 02:06	2.72	82.71	0.94

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 02:21	2.72	82.71	0.94
2017/02/08 02:36	2.64	81.32	0.97
2017/02/08 02:51	2.64	81.32	0.97
2017/02/08 03:06	2.54	70.42	0.88
2017/02/08 03:21	2.41	65.42	0.88
2017/02/08 03:36	2.41	71.46	0.97
2017/02/08 03:51	2.41	73.06	0.99
2017/02/08 04:06	2.40	72.43	0.99
2017/02/08 04:21	2.40	72.43	0.99
2017/02/08 04:36	2.41	70.14	0.95
2017/02/08 04:51	2.43	60.83	0.81
2017/02/08 05:06	2.43	60.83	0.81
2017/02/08 05:21	2.53	70.97	0.90
2017/02/08 05:36	2.65	76.11	0.90
2017/02/08 05:51	2.68	77.29	0.90
2017/02/08 06:06	2.68	90.97	1.06
2017/02/08 06:21	2.71	80.76	0.92
2017/02/08 06:36	3.18	116.81	1.06
2017/02/08 06:51	3.37	111.32	0.92
2017/02/08 07:06	3.48	139.10	1.10
2017/02/08 07:21	3.48	138.33	1.09
2017/02/08 07:36	4.16	179.10	1.09
2017/02/08 07:51	4.34	190.35	1.09
2017/02/08 08:06	4.55	204.72	1.10
2017/02/08 08:21	5.15	242.85	1.09
2017/02/08 08:36	5.37	248.89	1.06
2017/02/08 08:51	5.15	234.37	1.06
2017/02/08 09:06	5.15	234.37	1.06
2017/02/08 09:21	5.15	234.37	1.06
2017/02/08 09:36	4.64	239.86	1.26
2017/02/08 09:51	4.64	239.86	1.26
2017/02/08 10:06	4.64	239.86	1.26
2017/02/08 10:21	4.64	260.55	1.36
2017/02/08 10:36	4.55	243.05	1.31
2017/02/08 10:51	4.15	212.78	1.31
2017/02/08 11:06	4.15	248.33	1.52
2017/02/08 11:21	4.12	254.03	1.57
2017/02/08 11:36	4.12	255.49	1.58
2017/02/08 11:51	4.12	255.49	1.58
2017/02/08 12:06	3.93	236.94	1.57
2017/02/08 12:21	3.91	181.32	1.21
2017/02/08 12:36	3.89	179.51	1.21
2017/02/08 12:51	3.69	166.67	1.21
2017/02/08 13:06	3.69	166.67	1.21
2017/02/08 13:21	3.69	188.47	1.37

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 13:36	3.98	210.35	1.37
2017/02/08 13:51	3.98	209.93	1.37
2017/02/08 14:06	3.98	209.93	1.37
2017/02/08 14:21	3.76	197.29	1.40
2017/02/08 14:36	3.71	189.10	1.37
2017/02/08 14:51	3.71	189.10	1.37
2017/02/08 15:06	3.71	193.05	1.40
2017/02/08 15:21	3.72	194.17	1.40
2017/02/08 15:36	3.72	150.83	1.08
2017/02/08 15:51	3.72	159.10	1.14
2017/02/08 16:06	3.64	189.30	1.41
2017/02/08 16:21	3.62	153.12	1.14
2017/02/08 16:36	3.61	152.29	1.14
2017/02/08 16:51	3.61	152.29	1.14
2017/02/08 17:06	3.61	164.44	1.24
2017/02/08 17:21	3.66	152.57	1.12
2017/02/08 17:36	3.68	162.64	1.19
2017/02/08 17:51	3.68	162.64	1.19
2017/02/08 18:06	3.68	162.64	1.19
2017/02/08 18:21	3.68	162.64	1.19
2017/02/08 18:36	3.69	163.47	1.19
2017/02/08 18:51	3.68	165.35	1.21
2017/02/08 19:06	3.75	167.29	1.19
2017/02/08 19:21	3.82	174.44	1.21
2017/02/08 19:36	3.82	171.81	1.19
2017/02/08 19:51	3.84	173.61	1.19
2017/02/08 20:06	4.02	154.10	0.99
2017/02/08 20:21	4.02	154.10	0.99
2017/02/08 20:36	4.02	154.10	0.99
2017/02/08 20:51	4.01	211.53	1.36
2017/02/08 21:06	3.98	209.44	1.36
2017/02/08 21:21	3.98	209.44	1.36
2017/02/08 21:36	3.98	209.44	1.36
2017/02/08 21:51	4.00	235.90	1.53
2017/02/08 22:06	4.01	219.37	1.41
2017/02/08 22:21	4.04	222.29	1.42
2017/02/08 22:36	4.04	222.29	1.42
2017/02/08 22:51	4.04	222.29	1.42
2017/02/08 23:06	4.04	222.29	1.42
2017/02/08 23:21	3.72	197.29	1.42
2017/02/08 23:36	3.72	196.87	1.42
2017/02/08 23:51	3.69	200.42	1.46
2017/02/09 00:06	3.55	184.24	1.42
2017/02/09 00:21	3.23	156.18	1.38
2017/02/09 00:36	3.09	146.53	1.38

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 00:51	3.09	146.53	1.38
2017/02/09 01:06	3.09	144.86	1.36
2017/02/09 01:21	2.96	134.10	1.35
2017/02/09 01:36	2.83	105.97	1.13
2017/02/09 01:51	2.76	92.57	1.03
2017/02/09 02:06	2.65	72.50	0.85
2017/02/09 02:21	2.55	68.06	0.85
2017/02/09 02:36	2.43	63.19	0.85
2017/02/09 02:51	2.43	59.03	0.79
2017/02/09 03:06	2.33	55.56	0.79
2017/02/09 03:21	2.32	55.07	0.79
2017/02/09 03:36	2.23	54.37	0.82
2017/02/09 03:51	2.23	54.37	0.82
2017/02/09 04:06	2.22	59.93	0.92
2017/02/09 04:21	2.22	54.93	0.84
2017/02/09 04:36	2.23	60.49	0.92
2017/02/09 04:51	2.25	60.97	0.92
2017/02/09 05:06	2.25	60.97	0.92
2017/02/09 05:21	2.33	75.49	1.07
2017/02/09 05:36	2.41	79.51	1.07
2017/02/09 05:51	2.41	70.83	0.96
2017/02/09 06:06	2.58	71.11	0.87
2017/02/09 06:21	2.72	84.31	0.96
2017/02/09 06:36	2.84	90.07	0.96
2017/02/09 06:51	3.21	118.12	1.05
2017/02/09 07:06	3.34	148.96	1.25
2017/02/09 07:21	3.48	157.99	1.25
2017/02/09 07:36	3.48	157.99	1.25
2017/02/09 07:51	4.44	224.44	1.25
2017/02/09 08:06	4.79	252.78	1.26
2017/02/09 08:21	4.79	220.42	1.10
2017/02/09 08:36	4.77	264.51	1.33
2017/02/09 08:51	4.77	242.29	1.22
2017/02/09 09:06	4.52	224.30	1.22
2017/02/09 09:21	4.50	222.36	1.22
2017/02/09 09:36	4.39	216.11	1.23
2017/02/09 09:51	4.30	210.28	1.23
2017/02/09 10:06	4.30	258.68	1.51
2017/02/09 10:21	4.14	260.49	1.61
2017/02/09 10:36	4.07	238.47	1.51
2017/02/09 10:51	4.00	232.64	1.51
2017/02/09 11:06	4.00	224.86	1.46
2017/02/09 11:21	3.97	222.64	1.46
2017/02/09 11:36	3.96	156.53	1.03
2017/02/09 11:51	3.96	156.53	1.03

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 12:06	3.90	191.80	1.29
2017/02/09 12:21	3.89	223.12	1.51
2017/02/09 12:36	3.89	199.58	1.35
2017/02/09 12:51	3.89	199.58	1.35
2017/02/09 13:06	3.90	191.80	1.29
2017/02/09 13:21	3.89	199.58	1.35
2017/02/09 13:36	3.76	190.42	1.35
2017/02/09 13:51	3.76	218.19	1.54
2017/02/09 14:06	3.71	219.03	1.58
2017/02/09 14:21	3.71	219.03	1.58
2017/02/09 14:36	3.71	213.54	1.54
2017/02/09 14:51	3.71	213.54	1.54
2017/02/09 15:06	3.71	207.22	1.50
2017/02/09 15:21	3.71	177.92	1.29
2017/02/09 15:36	3.71	177.92	1.29
2017/02/09 15:51	3.71	177.92	1.29
2017/02/09 16:06	3.72	178.89	1.29
2017/02/09 16:21	3.82	150.83	1.05
2017/02/09 16:36	3.82	150.83	1.05
2017/02/09 16:51	3.76	133.89	0.95
2017/02/09 17:06	3.76	133.89	0.95
2017/02/09 17:21	3.76	133.89	0.95
2017/02/09 17:36	3.76	171.39	1.21
2017/02/09 17:51	3.76	171.39	1.21
2017/02/09 18:06	3.79	173.26	1.21
2017/02/09 18:21	3.79	173.26	1.21
2017/02/09 18:36	3.79	193.05	1.35
2017/02/09 18:51	3.79	167.57	1.17
2017/02/09 19:06	3.79	167.57	1.17
2017/02/09 19:21	3.79	167.57	1.17
2017/02/09 19:36	3.90	174.72	1.17
2017/02/09 19:51	3.97	179.24	1.17
2017/02/09 20:06	4.29	227.50	1.33
2017/02/09 20:21	4.40	191.67	1.08
2017/02/09 20:36	4.40	266.32	1.50
2017/02/09 20:51	4.43	268.75	1.50
2017/02/09 21:06	4.43	247.43	1.38
2017/02/09 21:21	4.43	247.43	1.38
2017/02/09 21:36	4.34	250.62	1.44
2017/02/09 21:51	4.34	250.62	1.44
2017/02/09 22:06	4.30	247.15	1.44
2017/02/09 22:21	4.16	235.76	1.44
2017/02/09 22:36	4.11	203.33	1.27
2017/02/09 22:51	4.09	202.29	1.27
2017/02/09 23:06	3.77	176.87	1.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 23:21	3.69	171.25	1.25
2017/02/09 23:36	3.69	171.25	1.25
2017/02/09 23:51	3.66	160.69	1.18
2017/02/10 00:06	3.55	149.72	1.15
2017/02/10 00:21	3.51	147.15	1.15
2017/02/10 00:36	3.50	150.21	1.18
2017/02/10 00:51	3.39	147.78	1.22
2017/02/10 01:06	3.39	179.58	1.48
2017/02/10 01:21	3.33	175.35	1.48
2017/02/10 01:36	3.32	174.31	1.48
2017/02/10 01:51	3.18	163.75	1.48
2017/02/10 02:06	3.18	161.04	1.46
2017/02/10 02:21	3.15	145.83	1.34
2017/02/10 02:36	3.15	122.99	1.13
2017/02/10 02:51	2.76	100.76	1.12
2017/02/10 03:06	2.58	91.32	1.12
2017/02/10 03:21	2.44	73.19	0.97
2017/02/10 03:36	2.43	60.00	0.80
2017/02/10 03:51	2.36	69.51	0.97
2017/02/10 04:06	2.30	54.17	0.78
2017/02/10 04:21	2.30	54.17	0.78
2017/02/10 04:36	2.43	80.07	1.07
2017/02/10 04:51	2.79	107.43	1.17
2017/02/10 05:06	2.82	110.00	1.19
2017/02/10 05:21	2.84	113.61	1.21
2017/02/10 05:36	2.94	117.22	1.19
2017/02/10 05:51	3.02	122.08	1.19
2017/02/10 06:06	3.11	109.86	1.03
2017/02/10 06:21	3.11	106.74	1.00
2017/02/10 06:36	3.12	107.43	1.00
2017/02/10 06:51	3.15	112.01	1.03
2017/02/10 07:06	3.21	140.90	1.26
2017/02/10 07:21	3.21	140.90	1.26
2017/02/10 07:36	3.40	153.47	1.26
2017/02/10 07:51	3.98	193.05	1.26
2017/02/10 08:06	4.14	219.17	1.35
2017/02/10 08:21	4.23	265.00	1.58
2017/02/10 08:36	4.23	265.00	1.58
2017/02/10 08:51	4.44	283.96	1.58
2017/02/10 09:06	4.55	288.82	1.55
2017/02/10 09:21	4.55	243.05	1.31
2017/02/10 09:36	4.58	191.67	1.02
2017/02/10 09:51	4.58	185.90	0.99
2017/02/10 10:06	4.55	184.30	0.99
2017/02/10 10:21	4.58	185.90	0.99

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 10:36	4.58	191.67	1.02
2017/02/10 10:51	4.43	206.25	1.15
2017/02/10 11:06	3.98	177.08	1.15
2017/02/10 11:21	3.98	205.69	1.34
2017/02/10 11:36	3.98	226.53	1.48
2017/02/10 11:51	4.16	219.30	1.34
2017/02/10 12:06	4.36	205.62	1.18
2017/02/10 12:21	4.36	234.17	1.34
2017/02/10 12:36	4.36	241.87	1.38
2017/02/10 12:51	4.00	213.54	1.38
2017/02/10 13:06	3.98	212.50	1.38
2017/02/10 13:21	3.96	210.35	1.38
2017/02/10 13:36	3.87	199.72	1.36
2017/02/10 13:51	3.87	172.50	1.17
2017/02/10 14:06	3.73	163.61	1.17
2017/02/10 14:21	3.68	160.07	1.17
2017/02/10 14:36	3.68	156.94	1.15
2017/02/10 14:51	3.68	178.47	1.30
2017/02/10 15:06	3.68	185.35	1.36
2017/02/10 15:21	3.65	185.42	1.37
2017/02/10 15:36	3.65	183.33	1.36
2017/02/10 15:51	3.58	178.33	1.36
2017/02/10 16:06	3.58	165.62	1.26
2017/02/10 16:21	3.57	157.92	1.21
2017/02/10 16:36	3.57	157.92	1.21
2017/02/10 16:51	3.57	153.96	1.18
2017/02/10 17:06	3.69	162.22	1.18
2017/02/10 17:21	3.79	172.36	1.21
2017/02/10 17:36	3.87	210.69	1.43
2017/02/10 17:51	3.90	215.90	1.45
2017/02/10 18:06	3.90	217.92	1.46
2017/02/10 18:21	3.90	217.92	1.46
2017/02/10 18:36	3.94	219.24	1.45
2017/02/10 18:51	3.97	224.93	1.47
2017/02/10 19:06	4.01	222.71	1.44
2017/02/10 19:21	4.02	222.57	1.43
2017/02/10 19:36	4.02	222.57	1.43
2017/02/10 19:51	4.73	213.47	1.08
2017/02/10 20:06	4.91	215.42	1.04
2017/02/10 20:21	5.15	220.49	0.99
2017/02/10 20:36	5.15	230.28	1.04
2017/02/10 20:51	5.15	230.28	1.04
2017/02/10 21:06	3.97	151.74	0.99
2017/02/10 21:21	3.97	198.33	1.30
2017/02/10 21:36	3.93	225.90	1.50

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 21:51	3.89	192.36	1.30
2017/02/10 22:06	3.89	145.83	0.98
2017/02/10 22:21	3.89	222.43	1.50
2017/02/10 22:36	3.84	220.55	1.51
2017/02/10 22:51	3.84	220.55	1.51
2017/02/10 23:06	3.84	220.55	1.51
2017/02/10 23:21	3.84	220.55	1.51
2017/02/10 23:36	3.82	196.04	1.36
2017/02/10 23:51	3.84	195.00	1.34
2017/02/11 00:06	3.77	182.99	1.29
2017/02/11 00:21	3.64	174.10	1.29
2017/02/11 00:36	3.50	164.58	1.29
2017/02/11 00:51	3.41	158.89	1.29
2017/02/11 01:06	3.33	153.26	1.29
2017/02/11 01:21	3.32	152.36	1.29
2017/02/11 01:36	3.32	150.35	1.28
2017/02/11 01:51	3.23	144.93	1.28
2017/02/11 02:06	3.23	112.57	0.99
2017/02/11 02:21	3.15	108.33	0.99
2017/02/11 02:36	3.15	139.51	1.28
2017/02/11 02:51	3.15	123.19	1.13
2017/02/11 03:06	2.78	81.74	0.90
2017/02/11 03:21	2.66	96.46	1.13
2017/02/11 03:36	2.62	94.24	1.13
2017/02/11 03:51	2.57	91.32	1.13
2017/02/11 04:06	2.57	73.54	0.91
2017/02/11 04:21	2.53	78.89	1.00
2017/02/11 04:36	2.51	78.26	1.00
2017/02/11 04:51	2.51	79.24	1.01
2017/02/11 05:06	2.51	79.24	1.01
2017/02/11 05:21	2.51	86.87	1.11
2017/02/11 05:36	2.51	86.87	1.11
2017/02/11 05:51	2.47	77.29	1.01
2017/02/11 06:06	2.44	83.40	1.11
2017/02/11 06:21	2.47	67.01	0.88
2017/02/11 06:36	2.47	61.67	0.81
2017/02/11 06:51	2.54	69.79	0.88
2017/02/11 07:06	2.58	75.83	0.93
2017/02/11 07:21	2.72	81.87	0.93
2017/02/11 07:36	3.15	101.53	0.93
2017/02/11 07:51	3.33	139.17	1.17
2017/02/11 08:06	3.41	144.31	1.17
2017/02/11 08:21	3.43	145.14	1.17
2017/02/11 08:36	3.50	150.97	1.19
2017/02/11 08:51	3.66	161.53	1.19

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 09:06	4.01	177.50	1.14
2017/02/11 09:21	4.19	189.10	1.14
2017/02/11 09:36	4.72	194.30	0.99
2017/02/11 09:51	4.64	189.44	0.99
2017/02/11 10:06	6.19	283.12	0.98
2017/02/11 10:21	4.72	194.30	0.99
2017/02/11 10:36	4.72	218.54	1.12
2017/02/11 10:51	4.72	218.54	1.12
2017/02/11 11:06	4.72	192.57	0.98
2017/02/11 11:21	4.64	158.54	0.83
2017/02/11 11:36	4.62	157.85	0.83
2017/02/11 11:51	4.61	157.15	0.83
2017/02/11 12:06	4.61	215.55	1.14
2017/02/11 12:21	4.61	264.93	1.40
2017/02/11 12:36	4.61	264.93	1.40
2017/02/11 12:51	4.54	232.71	1.26
2017/02/11 13:06	4.54	232.71	1.26
2017/02/11 13:21	4.41	223.54	1.26
2017/02/11 13:36	4.36	219.51	1.26
2017/02/11 13:51	4.25	237.43	1.41
2017/02/11 14:06	4.25	237.43	1.41
2017/02/11 14:21	4.25	237.43	1.41
2017/02/11 14:36	4.25	222.57	1.32
2017/02/11 14:51	4.25	177.85	1.06
2017/02/11 15:06	4.32	182.01	1.06
2017/02/11 15:21	4.19	174.51	1.06
2017/02/11 15:36	4.18	173.68	1.06
2017/02/11 15:51	4.19	169.72	1.03
2017/02/11 16:06	4.21	225.49	1.36
2017/02/11 16:21	4.21	225.49	1.36
2017/02/11 16:36	4.26	173.75	1.03
2017/02/11 16:51	4.36	204.58	1.17
2017/02/11 17:06	4.36	237.36	1.36
2017/02/11 17:21	4.36	204.58	1.17
2017/02/11 17:36	4.30	174.65	1.02
2017/02/11 17:51	4.30	200.83	1.17
2017/02/11 18:06	4.29	238.19	1.39
2017/02/11 18:21	4.29	235.83	1.38
2017/02/11 18:36	4.30	239.30	1.39
2017/02/11 18:51	4.30	239.58	1.40
2017/02/11 19:06	4.30	239.30	1.39
2017/02/11 19:21	4.30	239.58	1.40
2017/02/11 19:36	4.11	239.10	1.49
2017/02/11 19:51	4.09	237.92	1.49
2017/02/11 20:06	4.11	216.04	1.35

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 20:21	4.00	210.49	1.36
2017/02/11 20:36	4.00	207.71	1.35
2017/02/11 20:51	4.00	200.62	1.30
2017/02/11 21:06	3.93	195.62	1.30
2017/02/11 21:21	3.83	188.61	1.30
2017/02/11 21:36	3.83	168.47	1.16
2017/02/11 21:51	3.80	186.67	1.30
2017/02/11 22:06	3.73	205.00	1.47
2017/02/11 22:21	3.71	202.78	1.47
2017/02/11 22:36	3.71	202.78	1.47
2017/02/11 22:51	3.71	202.78	1.47
2017/02/11 23:06	3.69	201.67	1.47
2017/02/11 23:21	3.72	190.97	1.37
2017/02/11 23:36	3.72	200.90	1.45
2017/02/11 23:51	3.68	187.85	1.37
2017/02/12 00:06	3.52	173.54	1.35
2017/02/12 00:21	3.52	173.54	1.35
2017/02/12 00:36	3.47	172.85	1.37
2017/02/12 00:51	3.52	166.67	1.30
2017/02/12 01:06	3.47	165.69	1.32
2017/02/12 01:21	3.41	161.87	1.32
2017/02/12 01:36	3.40	152.71	1.25
2017/02/12 01:51	3.40	129.79	1.06
2017/02/12 02:06	3.11	119.17	1.11
2017/02/12 02:21	3.09	118.40	1.11
2017/02/12 02:36	3.09	118.40	1.11
2017/02/12 02:51	3.02	114.51	1.11
2017/02/12 03:06	2.90	107.71	1.11
2017/02/12 03:21	2.69	85.21	0.98
2017/02/12 03:36	2.62	82.01	0.98
2017/02/12 03:51	2.61	76.81	0.93
2017/02/12 04:06	2.59	80.69	0.98
2017/02/12 04:21	2.48	75.69	0.98
2017/02/12 04:36	2.48	65.49	0.85
2017/02/12 04:51	2.46	64.37	0.85
2017/02/12 05:06	2.46	67.78	0.89
2017/02/12 05:21	2.43	59.03	0.79
2017/02/12 05:36	2.48	68.89	0.89
2017/02/12 05:51	2.41	66.04	0.89
2017/02/12 06:06	2.48	67.92	0.88
2017/02/12 06:21	2.43	65.00	0.87
2017/02/12 06:36	2.47	66.67	0.87
2017/02/12 06:51	2.47	61.32	0.80
2017/02/12 07:06	2.48	67.22	0.87
2017/02/12 07:21	2.61	72.22	0.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 07:36	2.66	91.74	1.07
2017/02/12 07:51	2.84	100.97	1.07
2017/02/12 08:06	3.07	118.61	1.13
2017/02/12 08:21	3.34	134.58	1.13
2017/02/12 08:36	3.40	161.46	1.32
2017/02/12 08:51	3.55	172.15	1.32
2017/02/12 09:06	3.55	172.15	1.32
2017/02/12 09:21	3.75	175.42	1.25
2017/02/12 09:36	3.83	171.60	1.18
2017/02/12 09:51	4.16	193.54	1.18
2017/02/12 10:06	4.18	168.61	1.03
2017/02/12 10:21	4.22	208.26	1.25
2017/02/12 10:36	4.32	176.74	1.03
2017/02/12 10:51	4.46	266.74	1.48
2017/02/12 11:06	4.59	186.46	0.99
2017/02/12 11:21	4.64	183.61	0.96
2017/02/12 11:36	4.64	183.61	0.96
2017/02/12 11:51	4.62	248.12	1.30
2017/02/12 12:06	4.62	248.12	1.30
2017/02/12 12:21	4.58	244.93	1.30
2017/02/12 12:36	4.57	243.82	1.30
2017/02/12 12:51	4.57	265.83	1.42
2017/02/12 13:06	4.55	223.19	1.20
2017/02/12 13:21	4.52	221.25	1.20
2017/02/12 13:36	4.47	207.71	1.15
2017/02/12 13:51	4.36	200.83	1.15
2017/02/12 14:06	4.32	197.57	1.15
2017/02/12 14:21	4.27	195.35	1.15
2017/02/12 14:36	4.32	197.57	1.15
2017/02/12 14:51	4.27	195.35	1.15
2017/02/12 15:06	4.22	196.04	1.17
2017/02/12 15:21	4.22	196.04	1.17
2017/02/12 15:36	4.27	199.72	1.17
2017/02/12 15:51	4.22	215.35	1.29
2017/02/12 16:06	4.14	209.24	1.29
2017/02/12 16:21	4.05	192.64	1.22
2017/02/12 16:36	4.05	195.76	1.24
2017/02/12 16:51	4.05	195.76	1.24
2017/02/12 17:06	4.07	196.74	1.24
2017/02/12 17:21	4.19	205.49	1.24
2017/02/12 17:36	4.23	208.47	1.24
2017/02/12 17:51	4.33	208.26	1.20
2017/02/12 18:06	4.33	197.92	1.14
2017/02/12 18:21	4.33	197.92	1.14
2017/02/12 18:36	4.33	197.92	1.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 18:51	4.29	203.54	1.19
2017/02/12 19:06	4.14	248.61	1.53
2017/02/12 19:21	4.12	249.58	1.55
2017/02/12 19:36	4.11	248.40	1.55
2017/02/12 19:51	4.08	239.44	1.51
2017/02/12 20:06	4.08	239.44	1.51
2017/02/12 20:21	4.08	204.03	1.28
2017/02/12 20:36	4.08	204.03	1.28
2017/02/12 20:51	4.08	211.04	1.33
2017/02/12 21:06	4.08	204.03	1.28
2017/02/12 21:21	4.08	204.03	1.28
2017/02/12 21:36	4.07	210.00	1.33
2017/02/12 21:51	4.08	200.35	1.26
2017/02/12 22:06	4.08	197.43	1.24
2017/02/12 22:21	5.32	192.43	0.83
2017/02/12 22:36	4.01	192.64	1.24
2017/02/12 22:51	3.82	160.35	1.11
2017/02/12 23:06	3.75	174.58	1.24
2017/02/12 23:21	3.65	181.46	1.34
2017/02/12 23:36	3.48	195.07	1.54
2017/02/12 23:51	3.46	195.07	1.56
2017/02/13 00:06	3.44	193.96	1.56
2017/02/13 00:21	3.23	175.07	1.54
2017/02/13 00:36	3.14	155.83	1.44
2017/02/13 00:51	2.96	128.33	1.29
2017/02/13 01:06	2.93	119.24	1.21
2017/02/13 01:21	2.72	105.42	1.20
2017/02/13 01:36	2.68	85.69	0.99
2017/02/13 01:51	2.58	78.12	0.96
2017/02/13 02:06	2.54	73.96	0.93
2017/02/13 02:21	2.46	70.42	0.93
2017/02/13 02:36	2.46	70.42	0.93
2017/02/13 02:51	2.44	69.86	0.93
2017/02/13 03:06	2.40	70.42	0.96
2017/02/13 03:21	2.40	70.42	0.96
2017/02/13 03:36	2.37	69.24	0.96
2017/02/13 03:51	2.37	69.44	0.96
2017/02/13 04:06	2.37	57.57	0.80
2017/02/13 04:21	2.36	52.71	0.74
2017/02/13 04:36	2.32	51.39	0.74
2017/02/13 04:51	2.32	51.60	0.74
2017/02/13 05:06	2.32	51.60	0.74
2017/02/13 05:21	2.36	58.61	0.82
2017/02/13 05:36	2.37	70.76	0.98
2017/02/13 05:51	2.39	71.39	0.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 06:06	2.40	72.01	0.98
2017/02/13 06:21	2.62	82.01	0.98
2017/02/13 06:36	2.82	91.04	0.98
2017/02/13 06:51	2.83	91.67	0.98
2017/02/13 07:06	2.96	102.50	1.03
2017/02/13 07:21	3.19	116.18	1.04
2017/02/13 07:36	3.40	127.43	1.04
2017/02/13 07:51	3.80	147.92	1.03
2017/02/13 08:06	4.16	174.31	1.07
2017/02/13 08:21	4.46	192.15	1.07
2017/02/13 08:36	4.46	192.15	1.07
2017/02/13 08:51	4.46	192.15	1.07
2017/02/13 09:06	4.44	196.53	1.09
2017/02/13 09:21	4.39	226.39	1.28
2017/02/13 09:36	4.23	215.07	1.28
2017/02/13 09:51	4.08	204.03	1.28
2017/02/13 10:06	4.08	204.03	1.28
2017/02/13 10:21	4.08	214.17	1.35
2017/02/13 10:36	4.07	213.12	1.35
2017/02/13 10:51	4.07	214.10	1.35
2017/02/13 11:06	3.86	198.47	1.35
2017/02/13 11:21	3.86	198.47	1.35
2017/02/13 11:36	3.83	227.85	1.57
2017/02/13 11:51	3.80	225.42	1.57
2017/02/13 12:06	3.77	217.64	1.53
2017/02/13 12:21	3.71	199.24	1.44
2017/02/13 12:36	3.71	199.24	1.44
2017/02/13 12:51	3.71	197.50	1.43
2017/02/13 13:06	3.71	162.71	1.18
2017/02/13 13:21	3.76	166.04	1.17
2017/02/13 13:36	3.77	160.42	1.13
2017/02/13 13:51	3.76	166.04	1.17
2017/02/13 14:06	3.76	166.04	1.17
2017/02/13 14:21	3.71	188.47	1.36
2017/02/13 14:36	3.65	184.37	1.36
2017/02/13 14:51	3.65	187.85	1.39
2017/02/13 15:06	3.65	184.37	1.36
2017/02/13 15:21	3.57	181.67	1.39
2017/02/13 15:36	3.52	163.68	1.27
2017/02/13 15:51	3.54	186.32	1.44
2017/02/13 16:06	3.52	180.76	1.41
2017/02/13 16:21	3.52	185.28	1.44
2017/02/13 16:36	3.52	185.28	1.44
2017/02/13 16:51	3.51	186.18	1.46
2017/02/13 17:06	3.51	186.18	1.46

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 17:21	3.51	197.50	1.54
2017/02/13 17:36	3.51	197.50	1.54
2017/02/13 17:51	3.52	173.89	1.35
2017/02/13 18:06	3.62	180.90	1.35
2017/02/13 18:21	3.62	187.64	1.40
2017/02/13 18:36	3.65	182.92	1.35
2017/02/13 18:51	3.65	182.92	1.35
2017/02/13 19:06	3.65	165.14	1.22
2017/02/13 19:21	3.66	166.11	1.22
2017/02/13 19:36	3.73	157.01	1.12
2017/02/13 19:51	3.73	138.89	0.99
2017/02/13 20:06	3.80	142.64	0.99
2017/02/13 20:21	3.86	155.28	1.06
2017/02/13 20:36	4.11	157.29	0.98
2017/02/13 20:51	4.65	187.92	0.98
2017/02/13 21:06	4.41	188.47	1.06
2017/02/13 21:21	5.51	209.58	0.86
2017/02/13 21:36	5.61	206.80	0.83
2017/02/13 21:51	5.51	209.58	0.86
2017/02/13 22:06	4.41	180.35	1.01
2017/02/13 22:21	4.30	173.89	1.01
2017/02/13 22:36	3.86	153.96	1.05
2017/02/13 22:51	3.86	161.53	1.10
2017/02/13 23:06	3.82	159.24	1.10
2017/02/13 23:21	3.69	162.43	1.18
2017/02/13 23:36	3.55	193.96	1.49
2017/02/13 23:51	3.50	189.58	1.49
2017/02/14 00:06	3.39	180.90	1.49
2017/02/14 00:21	3.30	162.29	1.39
2017/02/14 00:36	3.04	95.07	0.92
2017/02/14 00:51	2.86	86.94	0.92
2017/02/14 01:06	2.86	86.94	0.92
2017/02/14 01:21	2.80	87.57	0.95
2017/02/14 01:36	2.79	86.94	0.95
2017/02/14 01:51	2.61	78.82	0.95
2017/02/14 02:06	2.57	77.01	0.95
2017/02/14 02:21	2.57	77.01	0.95
2017/02/14 02:36	2.53	75.07	0.95
2017/02/14 02:51	2.57	76.87	0.95
2017/02/14 03:06	2.47	70.76	0.92
2017/02/14 03:21	2.32	64.44	0.92
2017/02/14 03:36	2.29	62.99	0.92
2017/02/14 03:51	2.25	61.32	0.92
2017/02/14 04:06	2.19	59.10	0.92
2017/02/14 04:21	2.19	53.82	0.84

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 04:36	2.16	52.78	0.84
2017/02/14 04:51	2.11	47.29	0.78
2017/02/14 05:06	2.11	47.29	0.78
2017/02/14 05:21	2.16	52.78	0.84
2017/02/14 05:36	2.26	62.36	0.93
2017/02/14 05:51	2.41	68.68	0.93
2017/02/14 06:06	2.47	73.68	0.96
2017/02/14 06:21	2.47	73.68	0.96
2017/02/14 06:36	2.76	95.00	1.05
2017/02/14 06:51	3.19	107.22	0.96
2017/02/14 07:06	3.36	138.12	1.15
2017/02/14 07:21	3.68	164.72	1.20
2017/02/14 07:36	3.68	164.72	1.20
2017/02/14 07:51	3.90	199.30	1.34
2017/02/14 08:06	4.19	221.11	1.34
2017/02/14 08:21	4.36	242.99	1.39
2017/02/14 08:36	4.36	253.61	1.45
2017/02/14 08:51	4.40	250.90	1.42
2017/02/14 09:06	4.40	268.19	1.51
2017/02/14 09:21	4.34	263.33	1.51
2017/02/14 09:36	4.34	246.39	1.42
2017/02/14 09:51	4.27	240.69	1.42
2017/02/14 10:06	4.22	200.83	1.20
2017/02/14 10:21	3.90	179.30	1.20
2017/02/14 10:36	3.90	179.30	1.20
2017/02/14 10:51	3.90	196.32	1.32
2017/02/14 11:06	3.91	197.36	1.32
2017/02/14 11:21	4.04	213.68	1.36
2017/02/14 11:36	4.12	212.71	1.32
2017/02/14 11:51	4.26	223.05	1.32
2017/02/14 12:06	4.26	230.83	1.36
2017/02/14 12:21	4.26	266.18	1.57
2017/02/14 12:36	4.04	157.78	1.01
2017/02/14 12:51	4.00	247.22	1.60
2017/02/14 13:06	3.98	245.97	1.60
2017/02/14 13:21	3.98	211.80	1.38
2017/02/14 13:36	3.98	175.21	1.14
2017/02/14 13:51	3.98	175.21	1.14
2017/02/14 14:06	3.89	169.10	1.14
2017/02/14 14:21	3.89	167.08	1.13
2017/02/14 14:36	3.90	167.92	1.13
2017/02/14 14:51	3.84	199.86	1.37
2017/02/14 15:06	3.84	199.86	1.37
2017/02/14 15:21	3.84	202.29	1.39
2017/02/14 15:36	3.83	207.71	1.43

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 15:51	3.79	211.80	1.48
2017/02/14 16:06	3.77	210.69	1.48
2017/02/14 16:21	3.77	218.05	1.54
2017/02/14 16:36	3.79	211.80	1.48
2017/02/14 16:51	3.79	201.18	1.41
2017/02/14 17:06	3.80	193.47	1.35
2017/02/14 17:21	3.83	175.35	1.21
2017/02/14 17:36	3.91	161.04	1.08
2017/02/14 17:51	3.97	164.31	1.08
2017/02/14 18:06	4.33	186.32	1.08
2017/02/14 18:21	4.33	186.32	1.08
2017/02/14 18:36	4.33	202.15	1.17
2017/02/14 18:51	4.33	202.15	1.17
2017/02/14 19:06	3.89	206.87	1.40
2017/02/14 19:21	3.89	206.87	1.40
2017/02/14 19:36	3.90	210.42	1.41
2017/02/14 19:51	3.90	175.62	1.18
2017/02/14 20:06	3.90	210.21	1.41
2017/02/14 20:21	4.04	213.40	1.36
2017/02/14 20:36	4.07	223.26	1.41
2017/02/14 20:51	4.07	223.26	1.41
2017/02/14 21:06	4.04	242.85	1.55
2017/02/14 21:21	4.00	239.24	1.55
2017/02/14 21:36	3.98	243.68	1.59
2017/02/14 21:51	3.93	238.75	1.59
2017/02/14 22:06	3.91	228.40	1.53
2017/02/14 22:21	3.87	208.96	1.42
2017/02/14 22:36	3.79	195.69	1.37
2017/02/14 22:51	3.71	189.51	1.37
2017/02/14 23:06	3.69	188.47	1.37
2017/02/14 23:21	3.66	172.92	1.27
2017/02/14 23:36	3.62	183.33	1.37
2017/02/14 23:51	3.47	159.79	1.27
2017/02/15 00:06	3.47	150.21	1.19
2017/02/15 00:21	3.37	153.33	1.27
2017/02/15 00:36	3.29	152.64	1.31
2017/02/15 00:51	3.12	114.86	1.07
2017/02/15 01:06	3.09	109.93	1.03
2017/02/15 01:21	2.94	102.15	1.03
2017/02/15 01:36	2.69	89.72	1.03
2017/02/15 01:51	2.58	81.32	1.00
2017/02/15 02:06	2.55	82.85	1.03
2017/02/15 02:21	2.51	78.12	1.00
2017/02/15 02:36	2.47	73.54	0.96
2017/02/15 02:51	2.46	65.42	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 03:06	2.46	72.99	0.96
2017/02/15 03:21	2.43	71.74	0.96
2017/02/15 03:36	2.41	71.18	0.96
2017/02/15 03:51	2.33	70.28	1.00
2017/02/15 04:06	2.29	68.40	1.00
2017/02/15 04:21	2.29	46.67	0.68
2017/02/15 04:36	2.39	49.65	0.68
2017/02/15 04:51	2.32	63.68	0.91
2017/02/15 05:06	2.39	66.53	0.91
2017/02/15 05:21	2.50	73.82	0.95
2017/02/15 05:36	2.46	72.01	0.95
2017/02/15 05:51	2.50	71.11	0.91
2017/02/15 06:06	2.51	86.74	1.11
2017/02/15 06:21	2.61	88.19	1.06
2017/02/15 06:36	2.82	92.43	1.00
2017/02/15 06:51	2.83	93.12	1.00
2017/02/15 07:06	3.22	112.36	1.00
2017/02/15 07:21	3.39	120.90	1.00
2017/02/15 07:36	3.76	140.83	1.00
2017/02/15 07:51	4.00	153.96	1.00
2017/02/15 08:06	4.33	200.83	1.16
2017/02/15 08:21	4.36	263.47	1.51
2017/02/15 08:36	4.39	265.90	1.51
2017/02/15 08:51	4.39	265.90	1.51
2017/02/15 09:06	4.39	259.72	1.47
2017/02/15 09:21	4.32	253.82	1.47
2017/02/15 09:36	4.07	211.18	1.34
2017/02/15 09:51	4.07	232.92	1.47
2017/02/15 10:06	4.05	189.03	1.20
2017/02/15 10:21	3.97	229.86	1.50
2017/02/15 10:36	3.87	213.19	1.45
2017/02/15 10:51	3.87	213.19	1.45
2017/02/15 11:06	3.84	210.97	1.45
2017/02/15 11:21	3.83	217.64	1.50
2017/02/15 11:36	3.79	206.60	1.45
2017/02/15 11:51	3.79	190.28	1.33
2017/02/15 12:06	3.76	202.22	1.43
2017/02/15 12:21	3.79	204.44	1.43
2017/02/15 12:36	3.76	188.26	1.33
2017/02/15 12:51	3.72	186.53	1.34
2017/02/15 13:06	3.69	196.87	1.43
2017/02/15 13:21	3.69	184.51	1.34
2017/02/15 13:36	3.59	177.50	1.34
2017/02/15 13:51	3.55	178.68	1.37
2017/02/15 14:06	3.59	181.74	1.37


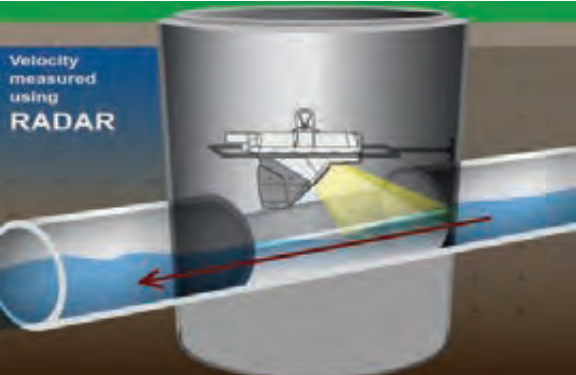

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 14:21	3.84	152.01	1.04
2017/02/15 14:36	3.54	146.25	1.13
2017/02/15 14:51	3.54	146.25	1.13
2017/02/15 15:06	3.51	133.26	1.04
2017/02/15 15:21	3.51	117.08	0.92
2017/02/15 15:36	3.51	144.58	1.13
2017/02/15 15:51	3.51	147.15	1.15
2017/02/15 16:06	3.51	147.15	1.15
2017/02/15 16:21	3.51	153.82	1.20
2017/02/15 16:36	3.41	147.64	1.20
2017/02/15 16:51	3.41	147.64	1.20
2017/02/15 17:06	3.41	171.46	1.40
2017/02/15 17:21	3.41	171.46	1.40
2017/02/15 17:36	3.46	164.03	1.31
2017/02/15 17:51	3.50	180.28	1.42
2017/02/15 18:06	3.50	166.87	1.31
2017/02/15 18:21	3.58	141.53	1.08
2017/02/15 18:36	3.58	162.85	1.24
2017/02/15 18:51	3.58	162.85	1.24
2017/02/15 19:06	3.58	162.85	1.24
2017/02/15 19:21	3.68	169.31	1.24
2017/02/15 19:36	3.69	180.28	1.31
2017/02/15 19:51	3.72	182.50	1.31
2017/02/15 20:06	3.84	191.18	1.31
2017/02/15 20:21	3.93	178.82	1.19
2017/02/15 20:36	4.73	176.25	0.90
2017/02/15 20:51	4.73	176.25	0.90
2017/02/15 21:06	4.73	176.25	0.90
2017/02/15 21:21	4.00	160.35	1.04
2017/02/15 21:36	3.94	191.32	1.26
2017/02/15 21:51	3.93	208.47	1.39
2017/02/15 22:06	3.91	224.51	1.50
2017/02/15 22:21	3.83	205.90	1.42
2017/02/15 22:36	3.83	205.90	1.42
2017/02/15 22:51	3.80	198.96	1.39
2017/02/15 23:06	3.80	203.75	1.42
2017/02/15 23:21	3.83	199.51	1.37
2017/02/15 23:36	3.72	191.18	1.37
2017/02/15 23:51	3.61	171.60	1.29
2017/02/16 00:06	3.22	155.00	1.37
2017/02/16 00:21	3.19	151.18	1.36
2017/02/16 00:36	3.07	142.64	1.36
2017/02/16 00:51	3.07	142.64	1.36
2017/02/16 01:06	3.04	140.76	1.36
2017/02/16 01:21	2.93	113.40	1.16

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 01:36	2.68	96.25	1.12
2017/02/16 01:51	2.59	91.87	1.12
2017/02/16 02:06	2.59	86.39	1.05
2017/02/16 02:21	2.43	67.99	0.91
2017/02/16 02:36	2.43	65.62	0.88
2017/02/16 02:51	2.29	60.14	0.88
2017/02/16 03:06	2.22	57.50	0.88
2017/02/16 03:21	2.22	53.54	0.82
2017/02/16 03:36	2.21	52.99	0.82
2017/02/16 03:51	2.21	52.99	0.82
2017/02/16 04:06	2.21	52.99	0.82
2017/02/16 04:21	2.19	62.43	0.97
2017/02/16 04:36	2.19	62.92	0.98
2017/02/16 04:51	2.19	65.28	1.02
2017/02/16 05:06	2.19	65.28	1.02
2017/02/16 05:21	2.19	65.28	1.02
2017/02/16 05:36	2.22	66.46	1.02
2017/02/16 05:51	2.32	59.10	0.85
2017/02/16 06:06	2.57	66.46	0.82
2017/02/16 06:21	2.73	72.92	0.82
2017/02/16 06:36	2.86	77.85	0.82
2017/02/16 06:51	2.96	92.50	0.93
2017/02/16 07:06	3.16	102.15	0.93
2017/02/16 07:21	3.34	115.62	0.97
2017/02/16 07:36	3.82	146.87	1.02
2017/02/16 07:51	3.90	157.50	1.06
2017/02/16 08:06	4.00	170.21	1.10
2017/02/16 08:21	4.00	170.21	1.10
2017/02/16 08:36	4.11	224.86	1.40
2017/02/16 08:51	4.32	241.46	1.40
2017/02/16 09:06	4.32	196.74	1.14
2017/02/16 09:21	4.32	194.93	1.13
2017/02/16 09:36	4.32	194.93	1.13
2017/02/16 09:51	4.23	189.51	1.13
2017/02/16 10:06	4.01	174.17	1.12
2017/02/16 10:21	3.96	171.87	1.13
2017/02/16 10:36	3.96	214.10	1.41
2017/02/16 10:51	3.89	217.92	1.47
2017/02/16 11:06	3.89	233.75	1.58
2017/02/16 11:21	3.89	233.75	1.58
2017/02/16 11:36	3.79	201.18	1.41
2017/02/16 11:51	3.79	211.80	1.48
2017/02/16 12:06	3.77	201.39	1.42
2017/02/16 12:21	3.76	178.54	1.26
2017/02/16 12:36	3.71	174.72	1.26

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 12:51	3.69	173.75	1.26
2017/02/16 13:06	3.69	173.75	1.26
2017/02/16 13:21	3.68	172.85	1.26
2017/02/16 13:36	3.65	197.99	1.46
2017/02/16 13:51	3.68	200.21	1.46
2017/02/16 14:06	3.68	200.21	1.46
2017/02/16 14:21	3.55	139.58	1.07
2017/02/16 14:36	3.55	139.58	1.07
2017/02/16 14:51	3.52	137.99	1.07
2017/02/16 15:06	3.52	143.47	1.12
2017/02/16 15:21	3.52	143.47	1.12
2017/02/16 15:36	3.52	143.47	1.12
2017/02/16 15:51	3.52	135.42	1.05
2017/02/16 16:06	3.44	117.57	0.95
2017/02/16 16:21	3.44	117.57	0.95
2017/02/16 16:36	3.44	130.83	1.05
2017/02/16 16:51	3.44	147.50	1.19
2017/02/16 17:06	3.46	156.74	1.25
2017/02/16 17:21	3.57	171.11	1.31
2017/02/16 17:36	3.58	172.08	1.31
2017/02/16 17:51	3.57	180.49	1.38
2017/02/16 18:06	3.58	181.53	1.38
2017/02/16 18:21	3.58	181.53	1.38
2017/02/16 18:36	3.58	160.21	1.22
2017/02/16 18:51	3.58	160.21	1.22
2017/02/16 19:06	3.79	173.89	1.22
2017/02/16 19:21	3.79	173.89	1.22
2017/02/16 19:36	3.80	192.78	1.34
2017/02/16 19:51	3.87	197.92	1.34
2017/02/16 20:06	3.87	197.92	1.34
2017/02/16 20:21	3.93	205.00	1.36
2017/02/16 20:36	3.93	183.89	1.22
2017/02/16 20:51	3.93	183.89	1.22
2017/02/16 21:06	3.93	205.00	1.36
2017/02/16 21:21	3.79	202.43	1.42
2017/02/16 21:36	3.79	202.43	1.42
2017/02/16 21:51	3.79	202.43	1.42
2017/02/16 22:06	3.79	206.18	1.44
2017/02/16 22:21	3.79	179.79	1.26
2017/02/16 22:36	3.79	172.85	1.21
2017/02/16 22:51	3.68	165.56	1.21
2017/02/16 23:06	3.68	197.50	1.44
2017/02/16 23:21	3.59	174.86	1.32
2017/02/16 23:36	3.51	199.65	1.56
2017/02/16 23:51	3.51	199.65	1.56

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 00:06	3.51	169.03	1.32
2017/02/17 00:21	3.30	152.29	1.30
2017/02/17 00:36	3.23	142.50	1.26
2017/02/17 00:51	3.23	142.50	1.26
2017/02/17 01:06	3.14	133.47	1.23
2017/02/17 01:21	3.07	129.17	1.23
2017/02/17 01:36	2.75	95.56	1.07
2017/02/17 01:51	2.61	81.87	0.99
2017/02/17 02:06	2.61	81.87	0.99
2017/02/17 02:21	2.61	71.46	0.86
2017/02/17 02:36	2.54	68.68	0.86
2017/02/17 02:51	2.39	62.71	0.86
2017/02/17 03:06	2.36	60.28	0.84
2017/02/17 03:21	2.36	60.28	0.84
2017/02/17 03:36	2.30	58.19	0.84
2017/02/17 03:51	2.28	57.64	0.85
2017/02/17 04:06	2.28	57.64	0.85
2017/02/17 04:21	2.21	62.01	0.96
2017/02/17 04:36	2.19	54.58	0.85
2017/02/17 04:51	2.19	54.58	0.85
2017/02/17 05:06	2.19	52.71	0.82
2017/02/17 05:21	2.19	49.79	0.78
2017/02/17 05:36	2.19	49.79	0.78
2017/02/17 05:51	2.28	50.56	0.74
2017/02/17 06:06	2.46	56.53	0.74
2017/02/17 06:21	2.58	64.65	0.79
2017/02/17 06:36	2.68	74.31	0.86
2017/02/17 06:51	2.68	99.17	1.15
2017/02/17 07:06	2.93	112.99	1.15
2017/02/17 07:21	3.12	111.74	1.04
2017/02/17 07:36	3.39	130.35	1.07
2017/02/17 07:51	3.59	137.08	1.04
2017/02/17 08:06	4.02	145.56	0.93
2017/02/17 08:21	4.12	150.62	0.93
2017/02/17 08:36	4.36	187.78	1.07
2017/02/17 08:51	4.39	214.24	1.21
2017/02/17 09:06	4.39	248.12	1.41
2017/02/17 09:21	4.39	258.40	1.46
2017/02/17 09:36	4.50	294.65	1.61



David Evans		~101 27th St	
2017.01-02 Site 7 27th St MH		Manhole No. 0021	
Access: Manhole is in westbound lane at intersection with Hermosa Av.	System Type: Sanitary <input checked="" type="checkbox"/> Storm <input type="checkbox"/>	Install Date: 1/18/2017	
Map 	Flow Meter		
Meter Depth: 39" Map Coordinates: 33.872874, -118.405529 Moderate open channel hydraulics			
Avg Velocity 5.75 fps	Avg Measured Level 1.66"	Multiplier 1	
Gas			
O2 20.9	H2S 0	CO 0	
LEL 0			
Notes			
*			
Traffic Safety			
Used cones, signs, & a flagger.			
Land Use			
Residential X	Commercial	Industrial	
Trunk			
Manhole Depth		54"	
Monitored Pipe Size		8"	
Inner Pipe Size (In/Out)		8"/8"	
Pipe Shape		Round	
Pipe Condition		Fair	
Manhole Material		Brick	
Silt		0	
Velocity Profile Data		*	
Velocity Profile Taken		0.4 2-D	
Sensor Offset		14.51"	
Sensor Dist. to Crown		6.51"	
Sensor Direction		Upstream	
Flow Heading		South	
Technology 			
Sewer Plan 			



Meter Site Document

David Evans

2017.01-02 Site 7 27th St MH

~101 27th St

Site



Manhole Condition



Installation Process



Installed



MH 0021





Statistics for 2017.01-02 Site 7 27th St MH: 01/19/2017 thru 02/16/2017

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Total Gal	Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min		
1/19/17	157.71	217.43	110.76	0.23	0.31	0.16	5.79	6.80	4.23	1.83	2.07	1.71	227,102	0.76
1/20/17	177.43	419.51	101.32	0.26	0.60	0.15	6.00	8.75	4.08	1.90	2.76	1.64	255,502	1.29
1/21/17	152.44	221.80	99.44	0.22	0.32	0.14	5.56	6.98	3.72	1.84	2.05	1.66	219,513	
1/22/17	193.44	509.37	103.47	0.28	0.73	0.15	4.97	8.73	1.13	2.80	9.09	1.66	278,560	3.72
Week:	170.26	509.37	99.44	0.25	0.73	0.14	5.58	8.75	1.13	2.09	9.09	1.64	980,677	5.77
1/23/17	203.87	258.82	129.93	0.29	0.37	0.19	3.99	5.08	3.30	2.90	3.33	2.12	293,574	0.13
1/24/17	211.98	250.00	167.29	0.31	0.36	0.24	4.04	4.81	3.14	2.97	3.43	2.50	305,250	
1/25/17	176.96	232.36	114.03	0.25	0.33	0.16	4.01	4.56	3.51	2.60	3.50	1.96	254,828	
1/26/17	129.92	255.62	96.25	0.19	0.37	0.14	3.90	5.29	3.41	2.11	2.78	1.80	187,090	
1/27/17	139.26	227.71	99.37	0.20	0.33	0.14	3.96	5.02	3.36	2.20	2.65	1.79	200,536	
1/28/17	154.80	231.74	104.10	0.22	0.33	0.15	4.08	4.82	3.50	2.31	2.90	1.89	222,912	
1/29/17	183.17	228.19	124.31	0.26	0.33	0.18	4.12	5.07	3.33	2.63	3.18	2.00	263,763	
Week:	171.42	258.82	96.25	0.25	0.37	0.14	4.01	5.29	3.14	2.53	3.50	1.79	1,727,953	0.13
1/30/17	126.76	217.99	74.44	0.18	0.31	0.11	3.99	4.66	3.19	2.02	2.80	1.65	182,541	
1/31/17	135.30	220.62	29.44	0.19	0.32	0.04	4.07	4.83	3.04	2.05	2.73	0.90	194,838	
2/1/17	169.13	239.17	107.50	0.24	0.34	0.15	4.08	4.99	3.23	2.47	2.78	2.08	243,544	
2/2/17	163.72	247.36	85.62	0.24	0.36	0.12	4.06	5.05	3.10	2.42	3.12	1.86	235,757	

	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)				
Date	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal	Rain
2/3/17	167.66	270.90	100.62	0.24	0.39	0.14	4.20	5.05	3.43	2.40	3.01	1.93	241,432	0.39
2/4/17	177.89	253.26	118.61	0.26	0.36	0.17	4.23	5.07	3.74	2.49	2.97	1.98	256,165	
2/5/17	171.43	262.15	98.33	0.25	0.38	0.14	4.19	5.12	3.70	2.43	3.30	1.79	246,854	
Week:	158.84	270.90	29.44	0.23	0.39	0.04	4.12	5.12	3.04	2.33	3.30	0.90	1,601,130	0.39
2/6/17	248.29	418.47	110.62	0.36	0.60	0.16	4.44	6.30	3.57	3.06	3.55	1.93	357,543	1.43
2/7/17	175.35	273.68	100.69	0.25	0.39	0.15	4.89	6.69	3.71	2.32	3.46	1.34	252,507	0.64
2/8/17	95.97	134.24	51.18	0.14	0.19	0.07	5.54	6.44	3.89	1.32	1.53	1.11	138,194	0.07
2/9/17	104.13	157.92	75.07	0.15	0.23	0.11	5.72	7.02	4.32	1.38	1.61	1.26	149,941	
2/10/17	105.81	157.01	52.36	0.15	0.23	0.08	5.72	6.99	3.85	1.38	1.61	1.12	152,362	0.33
2/11/17	100.30	158.82	48.40	0.14	0.23	0.07	5.65	6.98	3.62	1.34	1.62	1.08	144,427	0.01
2/12/17	104.44	173.68	60.76	0.15	0.25	0.09	5.74	7.36	3.83	1.36	1.68	1.18	150,396	
Week:	133.47	418.47	48.40	0.19	0.60	0.07	5.39	7.36	3.57	1.74	3.55	1.08	1,345,370	2.48
2/13/17	100.86	164.51	48.26	0.15	0.24	0.07	5.72	7.14	3.67	1.33	1.64	1.08	145,243	
2/14/17	107.74	174.79	60.69	0.16	0.25	0.09	5.87	7.23	4.44	1.38	1.69	1.11	155,147	
2/15/17	96.13	155.35	48.96	0.14	0.22	0.07	5.60	7.00	3.79	1.31	1.59	1.07	138,420	
2/16/17	93.16	157.50	52.36	0.13	0.23	0.08	5.55	6.92	4.14	1.29	1.62	1.07	134,150	
Week:	99.47	174.79	48.26	0.14	0.25	0.07	5.69	7.23	3.67	1.32	1.69	1.07	572,961	
Totals:	149.14	509.37	29.44	0.21	0.73	0.04	4.82	8.75	1.13	2.06	9.09	0.90	6,228,091	8.77



Data for 2017.01-02 Site 7 27th St MH: 1/18/2017 thru 2/17/2017

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/18 14:51	1.57	117.78	5.44
2017/01/18 15:06	1.86	181.74	6.58
2017/01/18 15:21	1.80	151.11	5.71
2017/01/18 15:36	1.73	146.11	5.84
2017/01/18 15:51	1.69	134.79	5.58
2017/01/18 16:06	1.86	176.18	6.38
2017/01/18 16:21	1.80	154.51	5.84
2017/01/18 16:36	1.80	154.51	5.84
2017/01/18 16:51	1.73	142.92	5.71
2017/01/18 17:06	1.73	139.58	5.58
2017/01/18 17:21	1.69	130.42	5.40
2017/01/18 17:36	1.76	138.06	5.40
2017/01/18 17:51	1.76	138.06	5.40
2017/01/18 18:06	1.76	138.06	5.40
2017/01/18 18:21	1.82	150.83	5.64
2017/01/18 18:36	1.82	150.83	5.64
2017/01/18 18:51	1.82	159.03	5.95
2017/01/18 19:06	1.82	161.18	6.03
2017/01/18 19:21	1.89	170.56	6.05
2017/01/18 19:36	1.82	161.67	6.05
2017/01/18 19:51	1.82	161.67	6.05
2017/01/18 20:06	1.84	165.49	6.06
2017/01/18 20:21	1.86	167.22	6.06
2017/01/18 20:36	1.87	172.71	6.19
2017/01/18 20:51	1.87	173.12	6.20
2017/01/18 21:06	1.87	169.03	6.06
2017/01/18 21:21	1.87	169.03	6.06
2017/01/18 21:36	1.87	168.61	6.04
2017/01/18 21:51	1.86	166.25	6.02
2017/01/18 22:06	1.87	168.61	6.04
2017/01/18 22:21	1.83	162.71	6.02
2017/01/18 22:36	1.76	153.26	5.99
2017/01/18 22:51	1.76	150.69	5.89
2017/01/18 23:06	1.76	150.69	5.89
2017/01/18 23:21	1.76	150.69	5.89
2017/01/18 23:36	1.76	146.67	5.73
2017/01/18 23:51	1.75	144.17	5.70
2017/01/19 00:06	1.73	135.56	5.42
2017/01/19 00:21	1.72	122.36	4.95

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 00:36	1.73	120.56	4.82
2017/01/19 00:51	1.73	115.69	4.63
2017/01/19 01:06	1.73	115.69	4.63
2017/01/19 01:21	1.78	114.65	4.43
2017/01/19 01:36	1.79	110.76	4.23
2017/01/19 01:51	1.79	110.76	4.23
2017/01/19 02:06	1.79	110.76	4.23
2017/01/19 02:21	1.82	124.72	4.66
2017/01/19 02:36	1.82	126.18	4.72
2017/01/19 02:51	1.83	156.18	5.78
2017/01/19 03:06	1.82	154.44	5.78
2017/01/19 03:21	1.82	154.44	5.78
2017/01/19 03:36	1.83	156.18	5.78
2017/01/19 03:51	1.83	144.58	5.35
2017/01/19 04:06	1.83	144.58	5.35
2017/01/19 04:21	1.83	144.58	5.35
2017/01/19 04:36	1.83	144.58	5.35
2017/01/19 04:51	2.00	208.05	6.80
2017/01/19 05:06	2.00	208.05	6.80
2017/01/19 05:21	2.00	208.05	6.80
2017/01/19 05:36	2.00	208.05	6.80
2017/01/19 05:51	2.00	195.07	6.38
2017/01/19 06:06	1.89	173.33	6.15
2017/01/19 06:21	1.80	157.57	5.96
2017/01/19 06:36	1.80	157.57	5.96
2017/01/19 06:51	1.80	157.57	5.96
2017/01/19 07:06	1.80	157.57	5.96
2017/01/19 07:21	1.84	163.82	6.00
2017/01/19 07:36	1.96	181.60	6.12
2017/01/19 07:51	2.01	203.89	6.60
2017/01/19 08:06	2.04	212.85	6.76
2017/01/19 08:21	2.04	212.85	6.76
2017/01/19 08:36	2.07	217.43	6.78
2017/01/19 08:51	2.07	216.94	6.76
2017/01/19 09:06	2.04	209.93	6.67
2017/01/19 09:21	2.04	209.44	6.65
2017/01/19 09:36	1.97	199.44	6.65
2017/01/19 09:51	1.96	196.32	6.61
2017/01/19 10:06	1.89	180.69	6.41
2017/01/19 10:21	1.89	180.69	6.41
2017/01/19 10:36	1.89	177.64	6.30
2017/01/19 10:51	1.87	174.24	6.24
2017/01/19 11:06	1.87	168.12	6.02
2017/01/19 11:21	1.84	162.15	5.94
2017/01/19 11:36	1.84	164.58	6.02

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 11:51	1.84	167.57	6.13
2017/01/19 12:06	1.83	162.85	6.02
2017/01/19 12:21	1.80	157.01	5.94
2017/01/19 12:36	1.78	155.35	6.00
2017/01/19 12:51	1.78	152.78	5.91
2017/01/19 13:06	1.78	152.78	5.91
2017/01/19 13:21	1.76	147.50	5.77
2017/01/19 13:36	1.75	144.24	5.70
2017/01/19 13:51	1.72	126.18	5.10
2017/01/19 14:06	1.72	126.18	5.10
2017/01/19 14:21	1.71	124.72	5.10
2017/01/19 14:36	1.71	124.72	5.10
2017/01/19 14:51	1.72	128.12	5.18
2017/01/19 15:06	1.72	128.12	5.18
2017/01/19 15:21	1.72	128.68	5.20
2017/01/19 15:36	1.76	140.49	5.49
2017/01/19 15:51	1.72	128.68	5.20
2017/01/19 16:06	1.73	130.14	5.20
2017/01/19 16:21	1.73	130.14	5.20
2017/01/19 16:36	1.76	140.83	5.50
2017/01/19 16:51	1.76	141.46	5.53
2017/01/19 17:06	1.75	139.86	5.53
2017/01/19 17:21	1.75	139.86	5.53
2017/01/19 17:36	1.75	147.36	5.83
2017/01/19 17:51	1.75	147.36	5.83
2017/01/19 18:06	1.75	147.36	5.83
2017/01/19 18:21	1.75	147.36	5.83
2017/01/19 18:36	1.80	154.10	5.83
2017/01/19 18:51	1.82	159.44	5.96
2017/01/19 19:06	1.80	155.21	5.87
2017/01/19 19:21	1.82	159.44	5.96
2017/01/19 19:36	1.82	162.36	6.07
2017/01/19 19:51	1.80	157.71	5.96
2017/01/19 20:06	1.80	155.21	5.87
2017/01/19 20:21	1.79	153.54	5.87
2017/01/19 20:36	1.79	153.54	5.87
2017/01/19 20:51	1.80	160.62	6.07
2017/01/19 21:06	1.79	154.51	5.91
2017/01/19 21:21	1.79	149.58	5.72
2017/01/19 21:36	1.83	159.58	5.91
2017/01/19 21:51	1.91	178.61	6.20
2017/01/19 22:06	1.93	180.42	6.20
2017/01/19 22:21	1.91	170.07	5.91
2017/01/19 22:36	1.87	164.86	5.91
2017/01/19 22:51	1.87	170.07	6.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/19 23:06	1.87	170.07	6.09
2017/01/19 23:21	1.87	169.93	6.09
2017/01/19 23:36	1.87	164.86	5.91
2017/01/19 23:51	1.82	157.92	5.91
2017/01/20 00:06	1.75	142.15	5.62
2017/01/20 00:21	1.72	138.33	5.60
2017/01/20 00:36	1.72	131.25	5.31
2017/01/20 00:51	1.71	128.82	5.27
2017/01/20 01:06	1.71	124.17	5.08
2017/01/20 01:21	1.71	124.17	5.08
2017/01/20 01:36	1.64	113.82	4.94
2017/01/20 01:51	1.64	101.94	4.43
2017/01/20 02:06	1.64	101.32	4.40
2017/01/20 02:21	1.68	102.99	4.31
2017/01/20 02:36	1.69	101.46	4.20
2017/01/20 02:51	1.72	103.47	4.18
2017/01/20 03:06	1.76	104.31	4.08
2017/01/20 03:21	1.76	104.31	4.08
2017/01/20 03:36	1.76	104.31	4.08
2017/01/20 03:51	1.72	103.47	4.18
2017/01/20 04:06	1.72	122.71	4.96
2017/01/20 04:21	1.72	125.62	5.08
2017/01/20 04:36	1.72	125.62	5.08
2017/01/20 04:51	1.72	127.15	5.14
2017/01/20 05:06	1.72	127.15	5.14
2017/01/20 05:21	1.72	125.62	5.08
2017/01/20 05:36	1.72	123.47	4.99
2017/01/20 05:51	1.72	123.47	4.99
2017/01/20 06:06	1.72	123.47	4.99
2017/01/20 06:21	1.72	132.85	5.37
2017/01/20 06:36	1.72	137.22	5.55
2017/01/20 06:51	1.90	175.56	6.16
2017/01/20 07:06	1.96	194.10	6.54
2017/01/20 07:21	2.16	243.05	7.10
2017/01/20 07:36	2.16	247.85	7.24
2017/01/20 07:51	2.16	247.85	7.24
2017/01/20 08:06	2.19	252.29	7.24
2017/01/20 08:21	2.16	244.37	7.14
2017/01/20 08:36	2.16	243.05	7.10
2017/01/20 08:51	2.12	232.08	6.97
2017/01/20 09:06	2.04	217.43	6.91
2017/01/20 09:21	2.04	217.43	6.91
2017/01/20 09:36	2.07	222.50	6.94
2017/01/20 09:51	2.07	221.60	6.91
2017/01/20 10:06	2.07	221.60	6.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 10:21	2.12	230.97	6.94
2017/01/20 10:36	2.12	230.97	6.94
2017/01/20 10:51	2.12	232.43	6.98
2017/01/20 11:06	2.16	243.40	7.11
2017/01/20 11:21	2.16	243.40	7.11
2017/01/20 11:36	2.41	317.01	7.95
2017/01/20 11:51	2.66	390.21	8.55
2017/01/20 12:06	2.76	419.51	8.75
2017/01/20 12:21	2.76	419.51	8.75
2017/01/20 12:36	2.76	419.51	8.75
2017/01/20 12:51	2.66	390.21	8.55
2017/01/20 13:06	2.41	319.03	8.01
2017/01/20 13:21	1.94	184.93	6.29
2017/01/20 13:36	1.91	179.24	6.23
2017/01/20 13:51	1.87	171.60	6.15
2017/01/20 14:06	1.86	166.67	6.04
2017/01/20 14:21	1.86	166.67	6.04
2017/01/20 14:36	1.84	164.93	6.04
2017/01/20 14:51	1.83	159.65	5.91
2017/01/20 15:06	1.84	164.93	6.04
2017/01/20 15:21	1.83	159.65	5.91
2017/01/20 15:36	1.82	157.92	5.91
2017/01/20 15:51	1.83	157.99	5.84
2017/01/20 16:06	1.83	156.53	5.79
2017/01/20 16:21	1.80	153.19	5.79
2017/01/20 16:36	1.83	156.53	5.79
2017/01/20 16:51	1.80	153.19	5.79
2017/01/20 17:06	1.83	156.53	5.79
2017/01/20 17:21	1.83	156.53	5.79
2017/01/20 17:36	1.83	156.53	5.79
2017/01/20 17:51	1.79	149.24	5.70
2017/01/20 18:06	1.86	163.96	5.94
2017/01/20 18:21	1.79	148.26	5.67
2017/01/20 18:36	1.86	163.96	5.94
2017/01/20 18:51	1.86	163.96	5.94
2017/01/20 19:06	1.89	169.44	6.01
2017/01/20 19:21	1.89	172.92	6.13
2017/01/20 19:36	1.89	172.92	6.13
2017/01/20 19:51	1.87	167.71	6.01
2017/01/20 20:06	1.87	173.96	6.23
2017/01/20 20:21	1.83	168.47	6.23
2017/01/20 20:36	1.73	140.21	5.60
2017/01/20 20:51	1.73	139.44	5.58
2017/01/20 21:06	1.72	137.85	5.58
2017/01/20 21:21	1.72	137.85	5.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/20 21:36	1.72	137.85	5.58
2017/01/20 21:51	1.72	137.08	5.54
2017/01/20 22:06	1.73	139.44	5.58
2017/01/20 22:21	1.75	144.17	5.70
2017/01/20 22:36	1.75	148.54	5.87
2017/01/20 22:51	1.83	158.82	5.88
2017/01/20 23:06	1.75	148.68	5.88
2017/01/20 23:21	1.82	157.15	5.88
2017/01/20 23:36	1.82	157.15	5.88
2017/01/20 23:51	1.78	149.72	5.79
2017/01/21 00:06	1.75	141.60	5.60
2017/01/21 00:21	1.73	133.96	5.36
2017/01/21 00:36	1.73	127.85	5.11
2017/01/21 00:51	1.71	124.58	5.10
2017/01/21 01:06	1.71	120.07	4.91
2017/01/21 01:21	1.71	120.07	4.91
2017/01/21 01:36	1.68	116.74	4.89
2017/01/21 01:51	1.66	103.89	4.40
2017/01/21 02:06	1.66	103.68	4.39
2017/01/21 02:21	1.66	99.44	4.21
2017/01/21 02:36	1.71	102.99	4.21
2017/01/21 02:51	1.73	105.35	4.21
2017/01/21 03:06	1.73	102.29	4.09
2017/01/21 03:21	1.82	106.11	3.97
2017/01/21 03:36	1.84	108.40	3.97
2017/01/21 03:51	1.84	103.19	3.78
2017/01/21 04:06	1.84	103.19	3.78
2017/01/21 04:21	1.89	106.53	3.78
2017/01/21 04:36	1.89	105.07	3.72
2017/01/21 04:51	1.90	106.11	3.72
2017/01/21 05:06	1.94	110.97	3.78
2017/01/21 05:21	1.94	109.44	3.72
2017/01/21 05:36	1.96	112.85	3.80
2017/01/21 05:51	1.96	116.32	3.92
2017/01/21 06:06	1.94	115.07	3.92
2017/01/21 06:21	1.94	115.14	3.92
2017/01/21 06:36	1.83	105.90	3.92
2017/01/21 06:51	1.82	120.69	4.51
2017/01/21 07:06	1.76	127.57	4.99
2017/01/21 07:21	1.76	137.15	5.36
2017/01/21 07:36	1.76	140.07	5.47
2017/01/21 07:51	1.76	144.10	5.63
2017/01/21 08:06	1.80	155.62	5.88
2017/01/21 08:21	1.80	157.78	5.97
2017/01/21 08:36	1.80	157.78	5.97

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 08:51	1.82	163.19	6.10
2017/01/21 09:06	1.90	181.87	6.38
2017/01/21 09:21	1.93	186.46	6.41
2017/01/21 09:36	1.93	186.46	6.41
2017/01/21 09:51	1.93	186.46	6.41
2017/01/21 10:06	1.97	192.15	6.41
2017/01/21 10:21	1.97	192.15	6.41
2017/01/21 10:36	1.97	192.15	6.41
2017/01/21 10:51	2.05	210.00	6.61
2017/01/21 11:06	2.05	210.00	6.61
2017/01/21 11:21	2.05	214.30	6.74
2017/01/21 11:36	2.05	221.11	6.96
2017/01/21 11:51	2.05	221.80	6.98
2017/01/21 12:06	2.05	221.80	6.98
2017/01/21 12:21	2.05	221.11	6.96
2017/01/21 12:36	2.01	214.86	6.96
2017/01/21 12:51	1.98	204.17	6.74
2017/01/21 13:06	1.98	203.75	6.73
2017/01/21 13:21	1.97	198.54	6.62
2017/01/21 13:36	1.96	195.97	6.60
2017/01/21 13:51	1.94	192.43	6.55
2017/01/21 14:06	1.93	189.17	6.50
2017/01/21 14:21	1.93	188.47	6.48
2017/01/21 14:36	1.90	180.76	6.34
2017/01/21 14:51	1.87	176.25	6.32
2017/01/21 15:06	1.87	176.25	6.32
2017/01/21 15:21	1.82	161.46	6.04
2017/01/21 15:36	1.79	157.92	6.04
2017/01/21 15:51	1.79	153.26	5.86
2017/01/21 16:06	1.78	151.60	5.86
2017/01/21 16:21	1.76	148.06	5.79
2017/01/21 16:36	1.76	149.93	5.86
2017/01/21 16:51	1.76	149.93	5.86
2017/01/21 17:06	1.76	149.93	5.86
2017/01/21 17:21	1.84	173.33	6.34
2017/01/21 17:36	1.89	186.39	6.61
2017/01/21 17:51	1.91	190.28	6.61
2017/01/21 18:06	1.91	190.28	6.61
2017/01/21 18:21	1.90	186.25	6.54
2017/01/21 18:36	1.91	188.19	6.54
2017/01/21 18:51	1.90	182.92	6.42
2017/01/21 19:06	1.90	182.92	6.42
2017/01/21 19:21	1.86	175.69	6.36
2017/01/21 19:36	1.80	155.35	5.87
2017/01/21 19:51	1.80	154.79	5.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/21 20:06	1.75	146.67	5.80
2017/01/21 20:21	1.75	146.67	5.80
2017/01/21 20:36	1.75	146.67	5.80
2017/01/21 20:51	1.75	146.67	5.80
2017/01/21 21:06	1.75	146.67	5.80
2017/01/21 21:21	1.73	140.97	5.64
2017/01/21 21:36	1.73	140.97	5.64
2017/01/21 21:51	1.71	121.25	4.96
2017/01/21 22:06	1.71	121.25	4.96
2017/01/21 22:21	1.71	121.25	4.96
2017/01/21 22:36	1.71	127.36	5.21
2017/01/21 22:51	1.71	127.36	5.21
2017/01/21 23:06	1.71	127.36	5.21
2017/01/21 23:21	1.73	130.56	5.22
2017/01/21 23:36	1.73	132.43	5.29
2017/01/21 23:51	1.73	132.43	5.29
2017/01/22 00:06	1.73	130.56	5.22
2017/01/22 00:21	1.73	130.49	5.22
2017/01/22 00:36	1.73	130.49	5.22
2017/01/22 00:51	1.73	127.57	5.10
2017/01/22 01:06	1.69	120.07	4.97
2017/01/22 01:21	1.69	115.42	4.78
2017/01/22 01:36	1.69	116.46	4.82
2017/01/22 01:51	1.66	113.75	4.82
2017/01/22 02:06	1.66	111.53	4.73
2017/01/22 02:21	1.66	107.22	4.54
2017/01/22 02:36	1.66	106.94	4.53
2017/01/22 02:51	1.66	106.94	4.53
2017/01/22 03:06	1.69	109.51	4.53
2017/01/22 03:21	1.69	109.51	4.53
2017/01/22 03:36	1.71	108.96	4.46
2017/01/22 03:51	1.72	109.65	4.43
2017/01/22 04:06	1.72	109.65	4.43
2017/01/22 04:21	1.72	110.21	4.46
2017/01/22 04:36	1.72	106.04	4.29
2017/01/22 04:51	1.76	108.19	4.23
2017/01/22 05:06	1.76	103.47	4.04
2017/01/22 05:21	1.76	108.19	4.23
2017/01/22 05:36	1.76	108.54	4.24
2017/01/22 05:51	1.76	109.72	4.29
2017/01/22 06:06	1.76	109.72	4.29
2017/01/22 06:21	1.76	126.18	4.93
2017/01/22 06:36	1.75	124.79	4.93
2017/01/22 06:51	1.76	126.94	4.96
2017/01/22 07:06	1.76	133.82	5.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 07:21	1.76	137.64	5.38
2017/01/22 07:36	1.76	137.64	5.38
2017/01/22 07:51	1.76	137.71	5.38
2017/01/22 08:06	1.79	144.10	5.51
2017/01/22 08:21	1.82	153.54	5.74
2017/01/22 08:36	1.83	156.94	5.81
2017/01/22 08:51	1.86	166.04	6.01
2017/01/22 09:06	1.87	169.10	6.06
2017/01/22 09:21	1.89	178.61	6.33
2017/01/22 09:36	1.87	176.74	6.33
2017/01/22 09:51	2.03	207.36	6.65
2017/01/22 10:06	2.08	215.42	6.65
2017/01/22 10:21	2.08	219.30	6.77
2017/01/22 10:36	2.12	225.49	6.77
2017/01/22 10:51	2.18	233.82	6.77
2017/01/22 11:06	2.18	238.12	6.90
2017/01/22 11:21	2.23	263.96	7.38
2017/01/22 11:36	2.30	286.74	7.68
2017/01/22 11:51	2.41	308.89	7.75
2017/01/22 12:06	2.43	314.79	7.84
2017/01/22 12:21	2.46	323.33	7.92
2017/01/22 12:36	2.48	333.05	8.04
2017/01/22 12:51	2.53	343.68	8.10
2017/01/22 13:06	2.53	351.18	8.28
2017/01/22 13:21	2.62	375.48	8.40
2017/01/22 13:36	2.72	397.01	8.45
2017/01/22 13:51	2.76	415.00	8.66
2017/01/22 14:06	2.83	430.69	8.68
2017/01/22 14:21	2.86	438.82	8.73
2017/01/22 14:36	2.96	459.17	8.73
2017/01/22 14:51	3.08	485.55	8.73
2017/01/22 15:06	3.21	509.37	8.68
2017/01/22 15:21	8.05	256.80	1.64
2017/01/22 15:36	8.87	256.80	1.64
2017/01/22 15:51	9.05	183.26	1.17
2017/01/22 16:06	9.05	177.08	1.13
2017/01/22 16:21	9.09	177.08	1.13
2017/01/22 16:36	9.09	183.26	1.17
2017/01/22 16:51	9.09	194.72	1.25
2017/01/22 17:06	8.22	194.72	1.25
2017/01/22 17:21	4.80	122.29	1.25
2017/01/22 17:36	3.73	107.99	1.51
2017/01/22 17:51	3.66	129.58	1.85
2017/01/22 18:06	2.57	165.49	3.81
2017/01/22 18:21	2.57	177.36	4.09

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/22 18:36	2.57	179.17	4.13
2017/01/22 18:51	2.57	179.17	4.13
2017/01/22 19:06	2.73	195.35	4.13
2017/01/22 19:21	2.73	197.01	4.17
2017/01/22 19:36	2.73	198.26	4.19
2017/01/22 19:51	2.73	198.26	4.19
2017/01/22 20:06	2.83	203.19	4.10
2017/01/22 20:21	2.73	193.75	4.10
2017/01/22 20:36	2.73	193.75	4.10
2017/01/22 20:51	2.62	183.05	4.10
2017/01/22 21:06	2.59	172.43	3.92
2017/01/22 21:21	2.59	169.93	3.86
2017/01/22 21:36	2.62	172.43	3.86
2017/01/22 21:51	2.62	173.12	3.88
2017/01/22 22:06	2.65	175.69	3.88
2017/01/22 22:21	2.65	175.69	3.88
2017/01/22 22:36	2.65	177.57	3.92
2017/01/22 22:51	2.65	177.57	3.92
2017/01/22 23:06	2.62	181.67	4.07
2017/01/22 23:21	2.53	172.50	4.07
2017/01/22 23:36	2.34	153.61	4.01
2017/01/22 23:51	2.30	146.18	3.92
2017/01/23 00:06	2.30	146.18	3.92
2017/01/23 00:21	2.30	146.11	3.91
2017/01/23 00:36	2.55	165.49	3.84
2017/01/23 00:51	2.55	162.78	3.78
2017/01/23 01:06	2.72	176.53	3.76
2017/01/23 01:21	2.98	198.05	3.72
2017/01/23 01:36	3.00	195.35	3.65
2017/01/23 01:51	3.25	217.57	3.65
2017/01/23 02:06	3.26	215.55	3.59
2017/01/23 02:21	3.26	212.64	3.54
2017/01/23 02:36	3.26	210.90	3.51
2017/01/23 02:51	3.30	214.51	3.51
2017/01/23 03:06	3.30	214.51	3.51
2017/01/23 03:21	3.30	208.26	3.41
2017/01/23 03:36	3.33	204.93	3.32
2017/01/23 03:51	3.33	204.93	3.32
2017/01/23 04:06	3.33	204.93	3.32
2017/01/23 04:21	3.33	204.93	3.32
2017/01/23 04:36	3.29	200.14	3.30
2017/01/23 04:51	3.27	200.42	3.32
2017/01/23 05:06	3.27	204.86	3.39
2017/01/23 05:21	3.27	208.12	3.45
2017/01/23 05:36	3.25	206.46	3.46

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 05:51	3.25	206.46	3.46
2017/01/23 06:06	3.23	205.90	3.47
2017/01/23 06:21	3.02	218.54	4.03
2017/01/23 06:36	2.91	212.29	4.12
2017/01/23 06:51	2.90	221.60	4.32
2017/01/23 07:06	2.90	222.08	4.33
2017/01/23 07:21	2.89	224.72	4.41
2017/01/23 07:36	2.89	227.22	4.46
2017/01/23 07:51	2.89	252.22	4.95
2017/01/23 08:06	2.89	258.82	5.08
2017/01/23 08:21	2.89	258.82	5.08
2017/01/23 08:36	2.86	255.49	5.08
2017/01/23 08:51	2.68	226.11	4.92
2017/01/23 09:06	2.68	218.47	4.75
2017/01/23 09:21	2.73	224.72	4.75
2017/01/23 09:36	2.73	203.75	4.31
2017/01/23 09:51	2.73	193.54	4.09
2017/01/23 10:06	2.73	193.54	4.09
2017/01/23 10:21	2.73	185.07	3.91
2017/01/23 10:36	2.73	185.07	3.91
2017/01/23 10:51	2.73	184.37	3.90
2017/01/23 11:06	2.73	185.07	3.91
2017/01/23 11:21	2.65	177.43	3.91
2017/01/23 11:36	2.64	176.11	3.91
2017/01/23 11:51	2.64	170.90	3.80
2017/01/23 12:06	2.37	145.69	3.75
2017/01/23 12:21	2.22	132.85	3.75
2017/01/23 12:36	2.22	134.65	3.80
2017/01/23 12:51	2.22	134.65	3.80
2017/01/23 13:06	2.37	151.81	3.90
2017/01/23 13:21	2.12	129.93	3.90
2017/01/23 13:36	2.54	167.22	3.91
2017/01/23 13:51	2.57	169.93	3.92
2017/01/23 14:06	2.59	172.43	3.92
2017/01/23 14:21	2.73	194.37	4.11
2017/01/23 14:36	2.73	185.21	3.92
2017/01/23 14:51	2.73	185.07	3.91
2017/01/23 15:06	2.76	187.64	3.91
2017/01/23 15:21	2.79	190.42	3.92
2017/01/23 15:36	2.87	207.99	4.11
2017/01/23 15:51	2.90	210.69	4.11
2017/01/23 16:06	2.90	216.74	4.23
2017/01/23 16:21	2.93	219.58	4.23
2017/01/23 16:36	2.93	219.58	4.23
2017/01/23 16:51	2.94	220.97	4.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/23 17:06	2.94	220.97	4.23
2017/01/23 17:21	2.94	215.35	4.12
2017/01/23 17:36	2.94	215.35	4.12
2017/01/23 17:51	2.94	215.35	4.12
2017/01/23 18:06	2.94	215.35	4.12
2017/01/23 18:21	2.87	209.37	4.14
2017/01/23 18:36	2.87	214.72	4.24
2017/01/23 18:51	2.94	217.85	4.17
2017/01/23 19:06	2.96	219.24	4.17
2017/01/23 19:21	3.16	240.90	4.18
2017/01/23 19:36	3.16	240.90	4.18
2017/01/23 19:51	3.16	240.90	4.18
2017/01/23 20:06	3.16	240.90	4.18
2017/01/23 20:21	3.12	236.67	4.18
2017/01/23 20:36	3.07	231.04	4.18
2017/01/23 20:51	2.98	229.93	4.32
2017/01/23 21:06	2.94	225.55	4.32
2017/01/23 21:21	2.94	206.87	3.96
2017/01/23 21:36	2.94	235.35	4.50
2017/01/23 21:51	2.94	205.62	3.94
2017/01/23 22:06	2.94	205.62	3.94
2017/01/23 22:21	2.94	209.24	4.00
2017/01/23 22:36	2.94	205.62	3.94
2017/01/23 22:51	2.98	209.65	3.94
2017/01/23 23:06	3.01	212.29	3.94
2017/01/23 23:21	3.11	221.60	3.94
2017/01/23 23:36	3.11	221.60	3.94
2017/01/23 23:51	3.14	217.92	3.83
2017/01/24 00:06	3.15	219.24	3.83
2017/01/24 00:21	3.15	225.55	3.94
2017/01/24 00:36	3.16	223.05	3.87
2017/01/24 00:51	3.16	223.05	3.87
2017/01/24 01:06	3.16	196.67	3.41
2017/01/24 01:21	3.19	199.79	3.43
2017/01/24 01:36	3.21	210.07	3.58
2017/01/24 01:51	3.37	214.93	3.43
2017/01/24 02:06	3.39	215.28	3.41
2017/01/24 02:21	3.43	218.75	3.41
2017/01/24 02:36	3.43	219.65	3.43
2017/01/24 02:51	3.43	219.65	3.43
2017/01/24 03:06	3.43	216.32	3.37
2017/01/24 03:21	3.43	204.17	3.18
2017/01/24 03:36	3.43	204.17	3.18
2017/01/24 03:51	3.41	200.49	3.14
2017/01/24 04:06	3.40	199.37	3.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 04:21	3.40	199.37	3.14
2017/01/24 04:36	3.39	198.33	3.14
2017/01/24 04:51	3.37	205.00	3.27
2017/01/24 05:06	3.34	210.97	3.40
2017/01/24 05:21	3.16	215.14	3.73
2017/01/24 05:36	2.91	201.11	3.90
2017/01/24 05:51	2.91	202.29	3.92
2017/01/24 06:06	2.91	202.29	3.92
2017/01/24 06:21	2.84	199.58	4.00
2017/01/24 06:36	2.82	207.43	4.21
2017/01/24 06:51	2.84	210.21	4.21
2017/01/24 07:06	2.84	210.21	4.21
2017/01/24 07:21	2.94	220.97	4.23
2017/01/24 07:36	2.94	239.79	4.59
2017/01/24 07:51	2.94	241.53	4.62
2017/01/24 08:06	2.94	239.79	4.59
2017/01/24 08:21	2.94	241.53	4.62
2017/01/24 08:36	2.91	238.47	4.62
2017/01/24 08:51	2.79	230.97	4.75
2017/01/24 09:06	2.79	230.97	4.75
2017/01/24 09:21	2.78	229.37	4.75
2017/01/24 09:36	2.76	206.46	4.31
2017/01/24 09:51	2.78	230.28	4.77
2017/01/24 10:06	2.78	207.92	4.31
2017/01/24 10:21	2.84	220.69	4.42
2017/01/24 10:36	2.89	219.30	4.31
2017/01/24 10:51	2.91	222.15	4.31
2017/01/24 11:06	2.91	221.11	4.29
2017/01/24 11:21	2.91	204.93	3.97
2017/01/24 11:36	2.91	204.93	3.97
2017/01/24 11:51	2.86	199.65	3.97
2017/01/24 12:06	2.86	199.51	3.97
2017/01/24 12:21	2.86	199.65	3.97
2017/01/24 12:36	2.86	199.65	3.97
2017/01/24 12:51	2.90	203.40	3.97
2017/01/24 13:06	2.94	211.25	4.04
2017/01/24 13:21	2.96	208.75	3.97
2017/01/24 13:36	2.96	208.75	3.97
2017/01/24 13:51	2.96	208.75	3.97
2017/01/24 14:06	2.96	200.76	3.82
2017/01/24 14:21	2.96	208.75	3.97
2017/01/24 14:36	2.94	211.25	4.04
2017/01/24 14:51	2.73	180.55	3.82
2017/01/24 15:06	2.59	178.12	4.05
2017/01/24 15:21	2.57	175.49	4.05

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/24 15:36	2.50	167.29	4.01
2017/01/24 15:51	2.57	173.75	4.01
2017/01/24 16:06	2.57	173.75	4.01
2017/01/24 16:21	2.57	173.75	4.01
2017/01/24 16:36	2.68	184.17	4.01
2017/01/24 16:51	2.75	190.76	4.01
2017/01/24 17:06	2.93	205.14	3.95
2017/01/24 17:21	2.94	215.76	4.13
2017/01/24 17:36	2.94	220.28	4.21
2017/01/24 17:51	2.94	220.28	4.21
2017/01/24 18:06	2.94	215.76	4.13
2017/01/24 18:21	2.93	214.37	4.13
2017/01/24 18:36	2.93	212.50	4.09
2017/01/24 18:51	2.94	220.90	4.23
2017/01/24 19:06	2.91	226.39	4.39
2017/01/24 19:21	2.91	235.69	4.57
2017/01/24 19:36	2.93	241.74	4.66
2017/01/24 19:51	2.93	241.74	4.66
2017/01/24 20:06	2.96	244.86	4.66
2017/01/24 20:21	2.93	250.00	4.81
2017/01/24 20:36	2.93	241.74	4.66
2017/01/24 20:51	2.93	235.21	4.53
2017/01/24 21:06	2.91	229.79	4.45
2017/01/24 21:21	2.86	220.55	4.39
2017/01/24 21:36	2.86	223.89	4.45
2017/01/24 21:51	2.82	216.18	4.39
2017/01/24 22:06	2.82	213.82	4.34
2017/01/24 22:21	2.79	210.90	4.34
2017/01/24 22:36	2.78	197.50	4.09
2017/01/24 22:51	2.79	190.55	3.92
2017/01/24 23:06	2.86	196.46	3.91
2017/01/24 23:21	2.91	201.67	3.91
2017/01/24 23:36	3.04	212.64	3.89
2017/01/24 23:51	3.04	212.64	3.89
2017/01/25 00:06	3.05	214.79	3.91
2017/01/25 00:21	3.05	215.00	3.91
2017/01/25 00:36	3.11	220.07	3.91
2017/01/25 00:51	3.14	222.99	3.91
2017/01/25 01:06	3.16	225.62	3.91
2017/01/25 01:21	3.16	225.62	3.91
2017/01/25 01:36	3.16	225.62	3.91
2017/01/25 01:51	3.18	208.82	3.60
2017/01/25 02:06	3.37	223.96	3.57
2017/01/25 02:21	3.39	225.14	3.57
2017/01/25 02:36	3.40	224.93	3.55

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 02:51	3.46	229.79	3.55
2017/01/25 03:06	3.47	229.10	3.52
2017/01/25 03:21	3.47	229.10	3.52
2017/01/25 03:36	3.50	231.53	3.52
2017/01/25 03:51	3.50	231.53	3.52
2017/01/25 04:06	3.50	231.53	3.52
2017/01/25 04:21	3.43	224.72	3.51
2017/01/25 04:36	3.43	224.72	3.51
2017/01/25 04:51	3.43	224.72	3.51
2017/01/25 05:06	3.41	223.54	3.51
2017/01/25 05:21	3.39	222.78	3.53
2017/01/25 05:36	3.33	227.99	3.69
2017/01/25 05:51	3.22	217.92	3.69
2017/01/25 06:06	3.21	221.53	3.78
2017/01/25 06:21	3.11	213.89	3.80
2017/01/25 06:36	3.04	219.72	4.02
2017/01/25 06:51	3.00	226.46	4.23
2017/01/25 07:06	2.87	214.51	4.24
2017/01/25 07:21	2.87	216.53	4.28
2017/01/25 07:36	2.87	216.53	4.28
2017/01/25 07:51	2.84	213.96	4.28
2017/01/25 08:06	2.84	213.96	4.28
2017/01/25 08:21	2.84	227.78	4.56
2017/01/25 08:36	2.84	227.78	4.56
2017/01/25 08:51	2.84	227.78	4.56
2017/01/25 09:06	2.83	211.87	4.27
2017/01/25 09:21	2.89	232.36	4.56
2017/01/25 09:36	2.90	219.03	4.27
2017/01/25 09:51	2.90	232.36	4.53
2017/01/25 10:06	2.89	217.57	4.27
2017/01/25 10:21	2.84	226.32	4.53
2017/01/25 10:36	2.83	211.87	4.27
2017/01/25 10:51	2.48	187.92	4.53
2017/01/25 11:06	2.47	180.28	4.38
2017/01/25 11:21	2.44	179.03	4.42
2017/01/25 11:36	2.30	163.61	4.38
2017/01/25 11:51	2.37	170.56	4.38
2017/01/25 12:06	2.30	149.03	3.99
2017/01/25 12:21	2.30	149.03	3.99
2017/01/25 12:36	2.22	141.53	3.99
2017/01/25 12:51	2.19	139.03	3.99
2017/01/25 13:06	2.19	138.33	3.97
2017/01/25 13:21	2.15	134.72	3.97
2017/01/25 13:36	2.09	129.86	3.97
2017/01/25 13:51	2.07	128.26	4.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/25 14:06	2.05	133.61	4.21
2017/01/25 14:21	2.01	125.76	4.07
2017/01/25 14:36	2.01	125.76	4.07
2017/01/25 14:51	2.01	125.97	4.08
2017/01/25 15:06	1.98	123.54	4.08
2017/01/25 15:21	1.98	123.54	4.08
2017/01/25 15:36	1.98	123.54	4.08
2017/01/25 15:51	2.01	125.97	4.08
2017/01/25 16:06	2.04	131.67	4.18
2017/01/25 16:21	2.01	125.97	4.08
2017/01/25 16:36	2.04	124.86	3.97
2017/01/25 16:51	2.04	124.86	3.97
2017/01/25 17:06	2.04	126.53	4.02
2017/01/25 17:21	1.96	117.71	3.97
2017/01/25 17:36	1.96	114.03	3.84
2017/01/25 17:51	1.96	114.03	3.84
2017/01/25 18:06	1.98	116.11	3.84
2017/01/25 18:21	1.96	114.03	3.84
2017/01/25 18:36	1.98	116.32	3.84
2017/01/25 18:51	2.16	131.46	3.84
2017/01/25 19:06	2.16	145.97	4.27
2017/01/25 19:21	2.16	145.97	4.27
2017/01/25 19:36	2.25	158.68	4.40
2017/01/25 19:51	2.25	158.68	4.40
2017/01/25 20:06	2.28	150.42	4.10
2017/01/25 20:21	2.30	152.99	4.10
2017/01/25 20:36	2.48	169.86	4.10
2017/01/25 20:51	2.48	169.86	4.10
2017/01/25 21:06	2.48	160.56	3.87
2017/01/25 21:21	2.48	160.56	3.87
2017/01/25 21:36	2.30	150.35	4.03
2017/01/25 21:51	2.37	166.25	4.27
2017/01/25 22:06	2.28	164.44	4.48
2017/01/25 22:21	2.12	142.29	4.27
2017/01/25 22:36	2.07	129.24	4.03
2017/01/25 22:51	2.12	134.17	4.03
2017/01/25 23:06	2.07	132.29	4.12
2017/01/25 23:21	2.07	122.08	3.81
2017/01/25 23:36	2.07	122.08	3.81
2017/01/25 23:51	2.07	122.08	3.81
2017/01/26 00:06	2.07	123.54	3.85
2017/01/26 00:21	2.08	124.65	3.85
2017/01/26 00:36	2.07	123.54	3.85
2017/01/26 00:51	2.07	123.54	3.85
2017/01/26 01:06	2.08	124.65	3.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 01:21	2.08	125.14	3.87
2017/01/26 01:36	2.08	119.17	3.68
2017/01/26 01:51	2.12	122.50	3.68
2017/01/26 02:06	2.16	125.90	3.68
2017/01/26 02:21	2.16	125.90	3.68
2017/01/26 02:36	2.16	125.90	3.68
2017/01/26 02:51	2.33	139.65	3.68
2017/01/26 03:06	2.33	135.69	3.58
2017/01/26 03:21	2.16	119.65	3.50
2017/01/26 03:36	2.16	116.74	3.41
2017/01/26 03:51	2.03	106.32	3.41
2017/01/26 04:06	2.16	116.74	3.41
2017/01/26 04:21	2.18	117.78	3.41
2017/01/26 04:36	2.18	118.68	3.44
2017/01/26 04:51	2.22	132.50	3.74
2017/01/26 05:06	2.29	148.54	4.01
2017/01/26 05:21	2.29	148.54	4.01
2017/01/26 05:36	2.29	148.54	4.01
2017/01/26 05:51	2.29	139.44	3.77
2017/01/26 06:06	2.29	141.81	3.83
2017/01/26 06:21	2.15	127.78	3.77
2017/01/26 06:36	2.15	127.78	3.77
2017/01/26 06:51	2.11	124.31	3.77
2017/01/26 07:06	2.11	126.39	3.83
2017/01/26 07:21	2.15	140.83	4.15
2017/01/26 07:36	2.15	143.26	4.22
2017/01/26 07:51	2.72	248.05	5.28
2017/01/26 08:06	2.78	255.62	5.29
2017/01/26 08:21	2.78	255.62	5.29
2017/01/26 08:36	2.78	255.62	5.29
2017/01/26 08:51	2.72	248.05	5.28
2017/01/26 09:06	2.40	158.26	4.00
2017/01/26 09:21	2.18	137.29	3.98
2017/01/26 09:36	2.16	136.04	3.98
2017/01/26 09:51	2.05	125.90	3.96
2017/01/26 10:06	1.98	120.42	3.98
2017/01/26 10:21	1.98	121.25	4.00
2017/01/26 10:36	1.96	117.57	3.96
2017/01/26 10:51	1.96	117.57	3.96
2017/01/26 11:06	1.96	117.57	3.96
2017/01/26 11:21	1.96	112.99	3.81
2017/01/26 11:36	1.96	111.39	3.75
2017/01/26 11:51	1.91	106.94	3.72
2017/01/26 12:06	1.91	106.94	3.72
2017/01/26 12:21	1.87	104.72	3.75

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 12:36	1.86	103.61	3.75
2017/01/26 12:51	1.86	102.01	3.69
2017/01/26 13:06	1.86	103.61	3.75
2017/01/26 13:21	1.86	98.33	3.56
2017/01/26 13:36	1.83	101.94	3.77
2017/01/26 13:51	1.83	96.25	3.56
2017/01/26 14:06	1.84	97.29	3.56
2017/01/26 14:21	1.80	99.51	3.76
2017/01/26 14:36	1.83	101.94	3.77
2017/01/26 14:51	1.83	102.15	3.78
2017/01/26 15:06	1.83	104.24	3.86
2017/01/26 15:21	1.84	103.19	3.78
2017/01/26 15:36	1.84	105.56	3.86
2017/01/26 15:51	1.93	112.36	3.86
2017/01/26 16:06	1.93	112.36	3.86
2017/01/26 16:21	1.93	112.36	3.86
2017/01/26 16:36	1.93	111.94	3.85
2017/01/26 16:51	1.93	111.46	3.83
2017/01/26 17:06	1.93	111.94	3.85
2017/01/26 17:21	1.97	114.86	3.83
2017/01/26 17:36	2.00	117.71	3.85
2017/01/26 17:51	2.07	123.75	3.86
2017/01/26 18:06	2.08	124.10	3.83
2017/01/26 18:21	2.18	133.19	3.86
2017/01/26 18:36	2.09	126.11	3.86
2017/01/26 18:51	2.18	135.28	3.92
2017/01/26 19:06	2.18	135.97	3.94
2017/01/26 19:21	2.18	135.97	3.94
2017/01/26 19:36	2.19	137.22	3.94
2017/01/26 19:51	2.19	137.22	3.94
2017/01/26 20:06	2.19	136.46	3.92
2017/01/26 20:21	2.19	136.46	3.92
2017/01/26 20:36	2.18	133.75	3.87
2017/01/26 20:51	2.18	133.75	3.87
2017/01/26 21:06	2.18	128.47	3.72
2017/01/26 21:21	2.18	128.47	3.72
2017/01/26 21:36	2.11	126.74	3.84
2017/01/26 21:51	2.18	133.75	3.87
2017/01/26 22:06	2.21	142.01	4.04
2017/01/26 22:21	2.21	145.62	4.14
2017/01/26 22:36	2.21	142.01	4.04
2017/01/26 22:51	2.15	137.01	4.04
2017/01/26 23:06	2.09	125.97	3.85
2017/01/26 23:21	2.04	122.99	3.91
2017/01/26 23:36	2.04	121.25	3.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/26 23:51	2.04	121.25	3.85
2017/01/27 00:06	2.04	120.49	3.83
2017/01/27 00:21	2.11	126.25	3.83
2017/01/27 00:36	2.14	128.61	3.83
2017/01/27 00:51	2.19	133.33	3.83
2017/01/27 01:06	2.23	136.46	3.82
2017/01/27 01:21	2.30	142.43	3.82
2017/01/27 01:36	2.33	140.42	3.70
2017/01/27 01:51	2.36	142.71	3.70
2017/01/27 02:06	2.61	154.31	3.48
2017/01/27 02:21	2.64	154.58	3.43
2017/01/27 02:36	2.64	154.58	3.43
2017/01/27 02:51	2.64	156.53	3.48
2017/01/27 03:06	2.64	153.75	3.42
2017/01/27 03:21	2.62	149.93	3.36
2017/01/27 03:36	2.62	151.25	3.39
2017/01/27 03:51	2.58	147.99	3.39
2017/01/27 04:06	2.57	148.19	3.42
2017/01/27 04:21	2.57	148.19	3.42
2017/01/27 04:36	2.25	123.26	3.42
2017/01/27 04:51	2.16	117.99	3.45
2017/01/27 05:06	2.16	119.31	3.49
2017/01/27 05:21	2.15	118.26	3.49
2017/01/27 05:36	2.15	119.24	3.52
2017/01/27 05:51	2.16	120.28	3.52
2017/01/27 06:06	2.15	127.01	3.75
2017/01/27 06:21	2.15	129.10	3.81
2017/01/27 06:36	2.15	127.01	3.75
2017/01/27 06:51	2.14	131.25	3.90
2017/01/27 07:06	2.14	139.72	4.16
2017/01/27 07:21	2.14	139.72	4.16
2017/01/27 07:36	2.14	131.25	3.90
2017/01/27 07:51	2.51	175.00	4.16
2017/01/27 08:06	2.51	175.97	4.18
2017/01/27 08:21	2.65	217.43	4.80
2017/01/27 08:36	2.65	227.71	5.02
2017/01/27 08:51	2.65	217.43	4.80
2017/01/27 09:06	2.53	203.47	4.80
2017/01/27 09:21	2.53	203.47	4.80
2017/01/27 09:36	2.51	185.55	4.41
2017/01/27 09:51	2.39	166.53	4.25
2017/01/27 10:06	2.39	166.53	4.25
2017/01/27 10:21	2.22	138.61	3.91
2017/01/27 10:36	2.18	146.60	4.25
2017/01/27 10:51	2.18	146.60	4.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 11:06	2.18	146.60	4.25
2017/01/27 11:21	2.50	188.75	4.52
2017/01/27 11:36	2.50	188.75	4.52
2017/01/27 11:51	2.39	175.07	4.46
2017/01/27 12:06	2.39	175.07	4.46
2017/01/27 12:21	2.39	175.07	4.46
2017/01/27 12:36	2.14	150.00	4.46
2017/01/27 12:51	2.14	149.37	4.45
2017/01/27 13:06	2.14	145.69	4.34
2017/01/27 13:21	2.08	140.42	4.34
2017/01/27 13:36	2.08	136.60	4.22
2017/01/27 13:51	2.14	141.74	4.22
2017/01/27 14:06	2.09	135.56	4.15
2017/01/27 14:21	2.09	132.50	4.05
2017/01/27 14:36	2.01	125.21	4.05
2017/01/27 14:51	1.98	122.71	4.05
2017/01/27 15:06	1.98	115.00	3.80
2017/01/27 15:21	2.01	117.29	3.80
2017/01/27 15:36	1.91	116.67	4.05
2017/01/27 15:51	1.82	101.53	3.80
2017/01/27 16:06	1.79	99.37	3.80
2017/01/27 16:21	1.79	99.37	3.80
2017/01/27 16:36	1.82	108.89	4.07
2017/01/27 16:51	1.91	117.22	4.07
2017/01/27 17:06	1.91	115.07	4.00
2017/01/27 17:21	1.93	116.25	4.00
2017/01/27 17:36	1.93	116.25	4.00
2017/01/27 17:51	1.94	117.43	4.00
2017/01/27 18:06	1.94	117.43	4.00
2017/01/27 18:21	1.98	116.32	3.84
2017/01/27 18:36	1.98	119.17	3.94
2017/01/27 18:51	1.98	116.32	3.84
2017/01/27 19:06	1.98	116.32	3.84
2017/01/27 19:21	2.14	132.29	3.94
2017/01/27 19:36	2.14	138.96	4.14
2017/01/27 19:51	2.18	135.90	3.94
2017/01/27 20:06	2.18	135.90	3.94
2017/01/27 20:21	2.14	128.54	3.83
2017/01/27 20:36	2.18	132.08	3.83
2017/01/27 20:51	2.19	133.26	3.83
2017/01/27 21:06	2.19	133.26	3.83
2017/01/27 21:21	1.97	113.06	3.77
2017/01/27 21:36	1.97	113.06	3.77
2017/01/27 21:51	2.04	118.68	3.77
2017/01/27 22:06	2.12	129.03	3.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/27 22:21	2.04	122.22	3.88
2017/01/27 22:36	2.04	122.22	3.88
2017/01/27 22:51	2.04	122.22	3.88
2017/01/27 23:06	2.04	126.53	4.02
2017/01/27 23:21	2.01	124.10	4.02
2017/01/27 23:36	2.01	124.10	4.02
2017/01/27 23:51	2.01	124.37	4.03
2017/01/28 00:06	2.07	131.81	4.11
2017/01/28 00:21	2.01	126.87	4.11
2017/01/28 00:36	2.07	131.81	4.11
2017/01/28 00:51	2.07	131.81	4.11
2017/01/28 01:06	2.07	128.19	3.99
2017/01/28 01:21	1.98	120.97	3.99
2017/01/28 01:36	1.98	118.19	3.90
2017/01/28 01:51	1.94	113.19	3.85
2017/01/28 02:06	1.94	111.25	3.79
2017/01/28 02:21	1.94	106.04	3.61
2017/01/28 02:36	1.94	104.10	3.54
2017/01/28 02:51	1.98	107.29	3.54
2017/01/28 03:06	2.01	111.46	3.61
2017/01/28 03:21	2.01	107.92	3.50
2017/01/28 03:36	2.07	112.15	3.50
2017/01/28 03:51	2.08	113.68	3.51
2017/01/28 04:06	2.07	112.57	3.51
2017/01/28 04:21	2.08	116.67	3.60
2017/01/28 04:36	2.12	118.82	3.57
2017/01/28 04:51	2.12	118.82	3.57
2017/01/28 05:06	2.14	119.93	3.57
2017/01/28 05:21	2.12	119.17	3.58
2017/01/28 05:36	2.14	120.28	3.58
2017/01/28 05:51	2.16	124.51	3.64
2017/01/28 06:06	2.18	125.62	3.64
2017/01/28 06:21	2.18	127.71	3.70
2017/01/28 06:36	2.18	133.96	3.88
2017/01/28 06:51	2.16	132.78	3.88
2017/01/28 07:06	2.16	135.69	3.97
2017/01/28 07:21	2.14	133.26	3.97
2017/01/28 07:36	2.12	129.24	3.88
2017/01/28 07:51	2.00	118.19	3.87
2017/01/28 08:06	1.96	114.10	3.85
2017/01/28 08:21	1.89	108.40	3.85
2017/01/28 08:36	1.96	114.72	3.87
2017/01/28 08:51	1.96	114.10	3.85
2017/01/28 09:06	2.00	117.57	3.85
2017/01/28 09:21	2.57	166.81	3.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 09:36	2.57	166.81	3.85
2017/01/28 09:51	2.57	188.33	4.34
2017/01/28 10:06	2.58	202.50	4.63
2017/01/28 10:21	2.71	217.36	4.66
2017/01/28 10:36	2.71	217.36	4.66
2017/01/28 10:51	2.71	224.58	4.82
2017/01/28 11:06	2.71	217.36	4.66
2017/01/28 11:21	2.79	226.60	4.66
2017/01/28 11:36	2.79	226.60	4.66
2017/01/28 11:51	2.76	223.54	4.66
2017/01/28 12:06	2.80	231.74	4.73
2017/01/28 12:21	2.80	231.74	4.73
2017/01/28 12:36	2.76	227.01	4.73
2017/01/28 12:51	2.76	227.01	4.73
2017/01/28 13:06	2.76	227.01	4.73
2017/01/28 13:21	2.76	220.21	4.59
2017/01/28 13:36	2.69	206.25	4.45
2017/01/28 13:51	2.62	196.11	4.39
2017/01/28 14:06	2.48	181.94	4.39
2017/01/28 14:21	2.30	159.44	4.27
2017/01/28 14:36	2.26	154.58	4.25
2017/01/28 14:51	2.18	143.54	4.16
2017/01/28 15:06	2.18	143.54	4.16
2017/01/28 15:21	2.12	140.35	4.21
2017/01/28 15:36	2.05	129.31	4.07
2017/01/28 15:51	2.05	129.31	4.07
2017/01/28 16:06	2.05	129.79	4.08
2017/01/28 16:21	2.05	129.79	4.08
2017/01/28 16:36	2.05	132.01	4.15
2017/01/28 16:51	2.09	137.78	4.21
2017/01/28 17:06	2.21	145.97	4.15
2017/01/28 17:21	2.32	165.49	4.40
2017/01/28 17:36	2.34	171.81	4.49
2017/01/28 17:51	2.48	186.04	4.49
2017/01/28 18:06	2.58	199.65	4.57
2017/01/28 18:21	2.58	192.15	4.40
2017/01/28 18:36	2.58	185.97	4.26
2017/01/28 18:51	2.58	185.97	4.26
2017/01/28 19:06	2.58	183.75	4.20
2017/01/28 19:21	2.53	160.56	3.79
2017/01/28 19:36	2.34	144.86	3.79
2017/01/28 19:51	2.22	134.24	3.79
2017/01/28 20:06	2.16	130.76	3.82
2017/01/28 20:21	2.16	136.04	3.98
2017/01/28 20:36	2.16	130.76	3.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/28 20:51	2.22	135.49	3.82
2017/01/28 21:06	2.29	147.15	3.98
2017/01/28 21:21	2.33	150.90	3.98
2017/01/28 21:36	2.33	152.08	4.01
2017/01/28 21:51	2.34	152.15	3.98
2017/01/28 22:06	2.47	170.42	4.14
2017/01/28 22:21	2.47	170.42	4.14
2017/01/28 22:36	2.48	179.03	4.32
2017/01/28 22:51	2.48	179.03	4.32
2017/01/28 23:06	2.48	179.03	4.32
2017/01/28 23:21	2.57	172.64	3.98
2017/01/28 23:36	2.90	214.65	4.19
2017/01/28 23:51	2.90	214.65	4.19
2017/01/29 00:06	2.84	209.03	4.19
2017/01/29 00:21	2.91	211.46	4.10
2017/01/29 00:36	3.05	217.36	3.96
2017/01/29 00:51	3.05	206.25	3.75
2017/01/29 01:06	2.91	211.46	4.10
2017/01/29 01:21	3.12	223.19	3.94
2017/01/29 01:36	3.15	215.07	3.75
2017/01/29 01:51	3.18	214.72	3.70
2017/01/29 02:06	3.15	212.22	3.70
2017/01/29 02:21	3.08	205.97	3.70
2017/01/29 02:36	3.18	213.47	3.68
2017/01/29 02:51	3.18	207.64	3.58
2017/01/29 03:06	3.08	199.17	3.58
2017/01/29 03:21	3.08	195.00	3.51
2017/01/29 03:36	3.08	197.01	3.54
2017/01/29 03:51	2.89	180.42	3.54
2017/01/29 04:06	2.89	180.42	3.54
2017/01/29 04:21	2.89	180.42	3.54
2017/01/29 04:36	3.18	205.42	3.54
2017/01/29 04:51	3.18	193.33	3.33
2017/01/29 05:06	2.87	169.17	3.34
2017/01/29 05:21	2.87	168.68	3.33
2017/01/29 05:36	2.93	173.61	3.34
2017/01/29 05:51	2.93	173.61	3.34
2017/01/29 06:06	2.93	173.61	3.34
2017/01/29 06:21	2.87	169.44	3.35
2017/01/29 06:36	2.82	179.72	3.65
2017/01/29 06:51	2.91	188.19	3.65
2017/01/29 07:06	2.91	188.89	3.66
2017/01/29 07:21	2.82	180.35	3.66
2017/01/29 07:36	2.79	177.92	3.66
2017/01/29 07:51	2.78	182.71	3.78

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 08:06	2.78	182.71	3.78
2017/01/29 08:21	2.78	182.71	3.78
2017/01/29 08:36	2.73	193.68	4.10
2017/01/29 08:51	2.71	190.97	4.10
2017/01/29 09:06	2.62	194.10	4.34
2017/01/29 09:21	2.62	194.10	4.34
2017/01/29 09:36	2.62	194.10	4.34
2017/01/29 09:51	2.62	199.58	4.47
2017/01/29 10:06	2.48	185.21	4.47
2017/01/29 10:21	2.62	201.80	4.52
2017/01/29 10:36	2.62	194.10	4.34
2017/01/29 10:51	2.64	187.36	4.16
2017/01/29 11:06	2.64	195.49	4.34
2017/01/29 11:21	2.64	216.94	4.82
2017/01/29 11:36	2.64	216.94	4.82
2017/01/29 11:51	2.64	219.30	4.87
2017/01/29 12:06	2.64	219.30	4.87
2017/01/29 12:21	2.61	221.04	4.98
2017/01/29 12:36	2.61	224.86	5.07
2017/01/29 12:51	2.64	228.19	5.07
2017/01/29 13:06	2.64	224.24	4.98
2017/01/29 13:21	2.61	210.90	4.75
2017/01/29 13:36	2.51	193.40	4.59
2017/01/29 13:51	2.44	185.62	4.58
2017/01/29 14:06	2.44	181.60	4.48
2017/01/29 14:21	2.30	158.33	4.24
2017/01/29 14:36	2.30	158.33	4.24
2017/01/29 14:51	2.26	154.37	4.24
2017/01/29 15:06	2.22	150.49	4.25
2017/01/29 15:21	2.14	142.57	4.24
2017/01/29 15:36	2.22	150.42	4.24
2017/01/29 15:51	2.26	154.44	4.25
2017/01/29 16:06	2.22	150.49	4.25
2017/01/29 16:21	2.22	138.40	3.90
2017/01/29 16:36	2.32	146.94	3.90
2017/01/29 16:51	2.54	166.81	3.90
2017/01/29 17:06	2.54	181.80	4.25
2017/01/29 17:21	2.55	183.19	4.25
2017/01/29 17:36	2.65	192.85	4.25
2017/01/29 17:51	2.65	201.67	4.45
2017/01/29 18:06	2.65	201.67	4.45
2017/01/29 18:21	2.54	186.46	4.36
2017/01/29 18:36	2.61	193.54	4.36
2017/01/29 18:51	2.64	196.39	4.36
2017/01/29 19:06	2.61	200.49	4.52

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/29 19:21	2.39	174.65	4.45
2017/01/29 19:36	2.34	167.01	4.36
2017/01/29 19:51	2.39	170.69	4.35
2017/01/29 20:06	2.39	174.65	4.45
2017/01/29 20:21	2.37	170.00	4.37
2017/01/29 20:36	2.34	167.22	4.37
2017/01/29 20:51	2.32	163.89	4.35
2017/01/29 21:06	2.32	163.89	4.35
2017/01/29 21:21	2.32	164.51	4.37
2017/01/29 21:36	2.32	164.51	4.37
2017/01/29 21:51	2.37	170.00	4.37
2017/01/29 22:06	2.25	147.99	4.10
2017/01/29 22:21	2.21	144.17	4.10
2017/01/29 22:36	2.21	153.61	4.37
2017/01/29 22:51	2.05	131.60	4.14
2017/01/29 23:06	2.03	127.85	4.10
2017/01/29 23:21	2.00	125.42	4.10
2017/01/29 23:36	2.00	125.42	4.10
2017/01/29 23:51	2.00	124.31	4.07
2017/01/30 00:06	2.00	120.69	3.95
2017/01/30 00:21	2.00	120.00	3.92
2017/01/30 00:36	2.00	107.78	3.52
2017/01/30 00:51	2.00	117.78	3.85
2017/01/30 01:06	1.91	101.46	3.52
2017/01/30 01:21	1.76	88.96	3.48
2017/01/30 01:36	1.76	84.93	3.32
2017/01/30 01:51	1.72	80.21	3.24
2017/01/30 02:06	1.65	75.62	3.24
2017/01/30 02:21	1.65	74.44	3.19
2017/01/30 02:36	1.65	74.44	3.19
2017/01/30 02:51	1.65	74.44	3.19
2017/01/30 03:06	1.68	76.25	3.19
2017/01/30 03:21	1.68	76.25	3.19
2017/01/30 03:36	1.73	79.86	3.19
2017/01/30 03:51	1.78	84.31	3.26
2017/01/30 04:06	1.73	82.57	3.30
2017/01/30 04:21	1.78	85.56	3.31
2017/01/30 04:36	1.78	85.42	3.30
2017/01/30 04:51	1.68	79.03	3.31
2017/01/30 05:06	1.78	86.81	3.36
2017/01/30 05:21	1.78	87.50	3.38
2017/01/30 05:36	1.82	93.26	3.49
2017/01/30 05:51	1.87	107.22	3.84
2017/01/30 06:06	1.82	107.15	4.01
2017/01/30 06:21	1.87	112.57	4.03

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 06:36	1.90	114.93	4.03
2017/01/30 06:51	1.96	122.78	4.14
2017/01/30 07:06	2.03	134.37	4.31
2017/01/30 07:21	2.30	162.64	4.36
2017/01/30 07:36	2.64	200.42	4.45
2017/01/30 07:51	2.64	200.49	4.46
2017/01/30 08:06	2.80	217.99	4.45
2017/01/30 08:21	2.80	217.99	4.45
2017/01/30 08:36	2.80	217.99	4.45
2017/01/30 08:51	2.68	204.86	4.46
2017/01/30 09:06	2.61	197.99	4.46
2017/01/30 09:21	2.54	190.76	4.46
2017/01/30 09:36	2.43	175.42	4.37
2017/01/30 09:51	2.43	179.37	4.46
2017/01/30 10:06	2.43	179.37	4.46
2017/01/30 10:21	2.41	177.01	4.44
2017/01/30 10:36	2.33	168.61	4.44
2017/01/30 10:51	2.29	151.04	4.08
2017/01/30 11:06	2.28	149.72	4.08
2017/01/30 11:21	2.25	147.22	4.08
2017/01/30 11:36	2.21	143.40	4.08
2017/01/30 11:51	2.04	131.53	4.18
2017/01/30 12:06	1.96	119.03	4.01
2017/01/30 12:21	1.90	114.24	4.01
2017/01/30 12:36	1.96	119.03	4.01
2017/01/30 12:51	1.90	110.56	3.88
2017/01/30 13:06	1.91	120.35	4.18
2017/01/30 13:21	1.79	101.46	3.88
2017/01/30 13:36	1.79	101.46	3.88
2017/01/30 13:51	1.90	110.56	3.88
2017/01/30 14:06	1.91	111.46	3.87
2017/01/30 14:21	1.90	110.07	3.86
2017/01/30 14:36	1.90	106.32	3.73
2017/01/30 14:51	1.86	102.99	3.73
2017/01/30 15:06	1.90	106.32	3.73
2017/01/30 15:21	1.86	102.99	3.73
2017/01/30 15:36	1.86	106.04	3.84
2017/01/30 15:51	1.80	101.53	3.84
2017/01/30 16:06	1.86	113.40	4.11
2017/01/30 16:21	1.79	110.62	4.23
2017/01/30 16:36	1.79	107.43	4.11
2017/01/30 16:51	1.75	103.89	4.11
2017/01/30 17:06	1.75	97.43	3.85
2017/01/30 17:21	1.75	105.49	4.17
2017/01/30 17:36	1.73	104.31	4.17

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/30 17:51	1.73	104.31	4.17
2017/01/30 18:06	1.75	99.72	3.94
2017/01/30 18:21	1.84	107.71	3.94
2017/01/30 18:36	1.86	105.69	3.83
2017/01/30 18:51	1.90	112.29	3.94
2017/01/30 19:06	1.91	113.47	3.94
2017/01/30 19:21	1.96	125.42	4.23
2017/01/30 19:36	1.96	125.42	4.23
2017/01/30 19:51	2.11	141.60	4.29
2017/01/30 20:06	2.22	152.15	4.29
2017/01/30 20:21	2.22	154.93	4.37
2017/01/30 20:36	2.28	162.50	4.43
2017/01/30 20:51	2.40	175.07	4.43
2017/01/30 21:06	2.41	177.92	4.46
2017/01/30 21:21	2.41	177.92	4.46
2017/01/30 21:36	2.41	177.22	4.45
2017/01/30 21:51	2.28	163.89	4.46
2017/01/30 22:06	2.32	172.08	4.57
2017/01/30 22:21	2.28	171.11	4.66
2017/01/30 22:36	2.07	146.67	4.57
2017/01/30 22:51	2.05	141.32	4.45
2017/01/30 23:06	2.01	133.40	4.32
2017/01/30 23:21	2.01	133.40	4.32
2017/01/30 23:36	1.98	129.72	4.28
2017/01/30 23:51	1.96	127.15	4.28
2017/01/31 00:06	1.91	113.75	3.95
2017/01/31 00:21	1.91	120.35	4.18
2017/01/31 00:36	1.91	120.35	4.18
2017/01/31 00:51	1.91	113.75	3.95
2017/01/31 01:06	1.82	105.69	3.95
2017/01/31 01:21	1.72	92.29	3.73
2017/01/31 01:36	1.57	75.21	3.47
2017/01/31 01:51	1.54	72.29	3.42
2017/01/31 02:06	1.54	71.60	3.39
2017/01/31 02:21	1.48	63.89	3.19
2017/01/31 02:36	1.32	53.82	3.19
2017/01/31 02:51	1.21	47.36	3.19
2017/01/31 03:06	1.07	38.12	3.07
2017/01/31 03:21	1.00	34.58	3.07
2017/01/31 03:36	0.90	29.44	3.04
2017/01/31 03:51	0.90	29.44	3.04
2017/01/31 04:06	0.90	29.79	3.07
2017/01/31 04:21	0.90	29.79	3.07
2017/01/31 04:36	1.22	48.12	3.19
2017/01/31 04:51	1.23	51.53	3.36

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 05:06	1.25	52.43	3.36
2017/01/31 05:21	1.29	57.99	3.54
2017/01/31 05:36	1.29	58.06	3.55
2017/01/31 05:51	1.43	68.96	3.64
2017/01/31 06:06	1.57	82.01	3.79
2017/01/31 06:21	1.75	96.87	3.83
2017/01/31 06:36	1.79	106.11	4.06
2017/01/31 06:51	1.82	109.37	4.09
2017/01/31 07:06	2.00	128.96	4.22
2017/01/31 07:21	2.04	145.28	4.61
2017/01/31 07:36	2.30	172.22	4.61
2017/01/31 07:51	2.47	189.79	4.61
2017/01/31 08:06	2.73	220.62	4.66
2017/01/31 08:21	2.73	220.62	4.66
2017/01/31 08:36	2.73	220.62	4.66
2017/01/31 08:51	2.72	219.03	4.66
2017/01/31 09:06	2.65	218.89	4.83
2017/01/31 09:21	2.65	218.89	4.83
2017/01/31 09:36	2.65	218.89	4.83
2017/01/31 09:51	2.65	215.07	4.75
2017/01/31 10:06	2.62	210.76	4.72
2017/01/31 10:21	2.62	210.76	4.72
2017/01/31 10:36	2.51	178.89	4.25
2017/01/31 10:51	2.48	171.39	4.14
2017/01/31 11:06	2.47	174.79	4.25
2017/01/31 11:21	2.41	169.37	4.25
2017/01/31 11:36	2.33	161.32	4.25
2017/01/31 11:51	2.33	160.07	4.22
2017/01/31 12:06	2.30	157.43	4.22
2017/01/31 12:21	2.28	154.79	4.22
2017/01/31 12:36	2.23	150.83	4.22
2017/01/31 12:51	2.22	144.10	4.06
2017/01/31 13:06	2.07	130.35	4.06
2017/01/31 13:21	2.07	129.79	4.05
2017/01/31 13:36	2.00	123.68	4.05
2017/01/31 13:51	2.00	122.22	4.00
2017/01/31 14:06	2.00	120.49	3.94
2017/01/31 14:21	1.91	115.07	4.00
2017/01/31 14:36	1.91	118.19	4.11
2017/01/31 14:51	1.91	115.07	4.00
2017/01/31 15:06	1.94	120.76	4.11
2017/01/31 15:21	1.94	118.82	4.04
2017/01/31 15:36	1.98	122.43	4.04
2017/01/31 15:51	1.94	118.82	4.04
2017/01/31 16:06	1.98	122.43	4.04

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/01/31 16:21	2.09	132.15	4.04
2017/01/31 16:36	2.09	132.15	4.04
2017/01/31 16:51	2.03	118.06	3.79
2017/01/31 17:06	2.03	118.06	3.79
2017/01/31 17:21	2.16	140.56	4.11
2017/01/31 17:36	2.18	150.35	4.35
2017/01/31 17:51	2.18	142.64	4.13
2017/01/31 18:06	2.08	133.82	4.13
2017/01/31 18:21	2.28	159.79	4.35
2017/01/31 18:36	2.28	159.79	4.35
2017/01/31 18:51	2.29	163.26	4.41
2017/01/31 19:06	2.16	141.39	4.13
2017/01/31 19:21	2.15	140.14	4.13
2017/01/31 19:36	2.16	149.03	4.35
2017/01/31 19:51	2.29	161.18	4.35
2017/01/31 20:06	2.29	161.18	4.35
2017/01/31 20:21	2.47	179.10	4.35
2017/01/31 20:36	2.65	197.36	4.35
2017/01/31 20:51	2.65	202.99	4.48
2017/01/31 21:06	2.65	204.10	4.50
2017/01/31 21:21	2.65	204.10	4.50
2017/01/31 21:36	2.58	196.80	4.50
2017/01/31 21:51	2.55	192.85	4.48
2017/01/31 22:06	2.51	188.47	4.48
2017/01/31 22:21	2.44	180.69	4.46
2017/01/31 22:36	2.39	174.10	4.44
2017/01/31 22:51	2.36	162.29	4.21
2017/01/31 23:06	2.36	162.29	4.21
2017/01/31 23:21	2.29	155.62	4.21
2017/01/31 23:36	2.29	152.78	4.13
2017/01/31 23:51	2.23	147.64	4.13
2017/02/01 00:06	2.19	143.82	4.13
2017/02/01 00:21	2.19	147.64	4.24
2017/02/01 00:36	2.18	146.39	4.24
2017/02/01 00:51	2.08	128.75	3.98
2017/02/01 01:06	2.08	128.75	3.98
2017/02/01 01:21	2.08	128.75	3.98
2017/02/01 01:36	2.08	121.25	3.74
2017/02/01 01:51	2.34	136.46	3.57
2017/02/01 02:06	2.34	134.86	3.52
2017/02/01 02:21	2.48	142.15	3.43
2017/02/01 02:36	2.48	139.93	3.38
2017/02/01 02:51	2.34	126.81	3.31
2017/02/01 03:06	2.26	118.40	3.25
2017/02/01 03:21	2.26	117.50	3.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 03:36	2.12	107.50	3.23
2017/02/01 03:51	2.12	108.33	3.25
2017/02/01 04:06	2.12	108.33	3.25
2017/02/01 04:21	2.12	111.60	3.35
2017/02/01 04:36	2.12	114.37	3.43
2017/02/01 04:51	2.28	126.04	3.43
2017/02/01 05:06	2.28	126.25	3.44
2017/02/01 05:21	2.58	150.35	3.44
2017/02/01 05:36	2.58	150.35	3.44
2017/02/01 05:51	2.58	160.83	3.68
2017/02/01 06:06	2.58	161.94	3.70
2017/02/01 06:21	2.58	178.06	4.07
2017/02/01 06:36	2.44	164.93	4.07
2017/02/01 06:51	2.44	164.93	4.07
2017/02/01 07:06	2.44	170.62	4.21
2017/02/01 07:21	2.59	188.54	4.28
2017/02/01 07:36	2.62	206.39	4.62
2017/02/01 07:51	2.75	221.74	4.66
2017/02/01 08:06	2.75	225.28	4.73
2017/02/01 08:21	2.75	225.28	4.73
2017/02/01 08:36	2.76	226.80	4.73
2017/02/01 08:51	2.76	239.17	4.99
2017/02/01 09:06	2.75	237.50	4.99
2017/02/01 09:21	2.75	235.49	4.95
2017/02/01 09:36	2.75	210.49	4.42
2017/02/01 09:51	2.75	210.49	4.42
2017/02/01 10:06	2.78	234.44	4.86
2017/02/01 10:21	2.75	231.25	4.86
2017/02/01 10:36	2.75	210.49	4.42
2017/02/01 10:51	2.78	228.96	4.74
2017/02/01 11:06	2.78	213.40	4.42
2017/02/01 11:21	2.73	202.57	4.28
2017/02/01 11:36	2.68	196.94	4.28
2017/02/01 11:51	2.68	192.71	4.19
2017/02/01 12:06	2.68	189.86	4.13
2017/02/01 12:21	2.59	179.24	4.07
2017/02/01 12:36	2.48	168.75	4.07
2017/02/01 12:51	2.58	177.92	4.07
2017/02/01 13:06	2.58	188.19	4.31
2017/02/01 13:21	2.46	168.82	4.14
2017/02/01 13:36	2.29	159.37	4.31
2017/02/01 13:51	2.34	164.79	4.31
2017/02/01 14:06	2.46	187.57	4.60
2017/02/01 14:21	2.58	200.83	4.60
2017/02/01 14:36	2.46	187.22	4.59

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/01 14:51	2.46	170.42	4.18
2017/02/01 15:06	2.40	165.14	4.18
2017/02/01 15:21	2.40	165.14	4.18
2017/02/01 15:36	2.40	165.14	4.18
2017/02/01 15:51	2.21	144.17	4.10
2017/02/01 16:06	2.21	144.17	4.10
2017/02/01 16:21	2.08	131.39	4.06
2017/02/01 16:36	2.08	128.26	3.96
2017/02/01 16:51	2.08	128.26	3.96
2017/02/01 17:06	2.19	137.99	3.96
2017/02/01 17:21	2.22	143.89	4.06
2017/02/01 17:36	2.28	160.56	4.37
2017/02/01 17:51	2.28	160.56	4.37
2017/02/01 18:06	2.28	160.56	4.37
2017/02/01 18:21	2.28	160.56	4.37
2017/02/01 18:36	2.28	152.08	4.14
2017/02/01 18:51	2.64	186.53	4.14
2017/02/01 19:06	2.66	182.29	3.99
2017/02/01 19:21	2.66	182.29	3.99
2017/02/01 19:36	2.64	183.96	4.09
2017/02/01 19:51	2.71	193.26	4.14
2017/02/01 20:06	2.73	193.33	4.09
2017/02/01 20:21	2.73	193.33	4.09
2017/02/01 20:36	2.73	193.33	4.09
2017/02/01 20:51	2.66	186.60	4.09
2017/02/01 21:06	2.64	183.96	4.09
2017/02/01 21:21	2.64	162.29	3.61
2017/02/01 21:36	2.62	159.10	3.56
2017/02/01 21:51	2.47	148.26	3.61
2017/02/01 22:06	2.47	178.26	4.34
2017/02/01 22:21	2.47	169.17	4.11
2017/02/01 22:36	2.47	169.17	4.11
2017/02/01 22:51	2.32	153.06	4.07
2017/02/01 23:06	2.61	180.35	4.07
2017/02/01 23:21	2.61	182.43	4.11
2017/02/01 23:36	2.61	180.35	4.07
2017/02/01 23:51	2.61	180.35	4.07
2017/02/02 00:06	2.43	163.33	4.07
2017/02/02 00:21	2.36	156.87	4.07
2017/02/02 00:36	2.36	158.19	4.10
2017/02/02 00:51	2.36	158.19	4.10
2017/02/02 01:06	2.43	161.81	4.03
2017/02/02 01:21	2.51	169.58	4.03
2017/02/02 01:36	2.51	160.56	3.81
2017/02/02 01:51	2.51	153.06	3.64

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 02:06	2.80	168.61	3.45
2017/02/02 02:21	2.80	165.28	3.38
2017/02/02 02:36	2.80	161.67	3.30
2017/02/02 02:51	2.15	112.01	3.30
2017/02/02 03:06	2.05	104.86	3.30
2017/02/02 03:21	1.86	88.96	3.22
2017/02/02 03:36	1.86	85.62	3.10
2017/02/02 03:51	1.86	85.62	3.10
2017/02/02 04:06	1.86	88.68	3.21
2017/02/02 04:21	2.03	100.14	3.21
2017/02/02 04:36	2.08	104.03	3.21
2017/02/02 04:51	2.25	133.12	3.69
2017/02/02 05:06	2.33	142.57	3.76
2017/02/02 05:21	2.43	156.25	3.89
2017/02/02 05:36	2.96	205.42	3.91
2017/02/02 05:51	3.12	227.92	4.03
2017/02/02 06:06	3.12	227.92	4.03
2017/02/02 06:21	3.12	227.92	4.03
2017/02/02 06:36	3.12	247.36	4.37
2017/02/02 06:51	3.07	241.46	4.37
2017/02/02 07:06	2.75	208.05	4.37
2017/02/02 07:21	2.71	206.94	4.44
2017/02/02 07:36	2.71	208.40	4.47
2017/02/02 07:51	2.71	218.54	4.69
2017/02/02 08:06	2.75	230.97	4.85
2017/02/02 08:21	2.71	235.69	5.05
2017/02/02 08:36	2.71	226.18	4.85
2017/02/02 08:51	2.71	235.69	5.05
2017/02/02 09:06	2.71	226.18	4.85
2017/02/02 09:21	2.71	223.61	4.79
2017/02/02 09:36	2.66	218.89	4.79
2017/02/02 09:51	2.66	194.37	4.26
2017/02/02 10:06	2.59	185.83	4.22
2017/02/02 10:21	2.47	175.07	4.26
2017/02/02 10:36	2.40	166.87	4.22
2017/02/02 10:51	2.40	163.12	4.13
2017/02/02 11:06	2.40	163.12	4.13
2017/02/02 11:21	2.40	165.28	4.18
2017/02/02 11:36	2.26	152.15	4.18
2017/02/02 11:51	2.26	152.15	4.18
2017/02/02 12:06	2.26	152.15	4.18
2017/02/02 12:21	2.30	156.04	4.18
2017/02/02 12:36	2.30	161.25	4.32
2017/02/02 12:51	2.26	152.15	4.18
2017/02/02 13:06	2.18	135.83	3.93

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/02 13:21	2.18	145.07	4.20
2017/02/02 13:36	2.09	127.01	3.89
2017/02/02 13:51	2.09	124.93	3.82
2017/02/02 14:06	2.08	125.83	3.89
2017/02/02 14:21	2.07	124.65	3.89
2017/02/02 14:36	2.07	132.50	4.13
2017/02/02 14:51	2.08	136.11	4.20
2017/02/02 15:06	2.09	140.90	4.31
2017/02/02 15:21	2.16	147.50	4.31
2017/02/02 15:36	2.19	150.14	4.31
2017/02/02 15:51	2.32	155.49	4.13
2017/02/02 16:06	2.47	164.72	4.01
2017/02/02 16:21	2.47	164.72	4.01
2017/02/02 16:36	2.47	164.72	4.01
2017/02/02 16:51	2.47	155.97	3.79
2017/02/02 17:06	2.47	164.72	4.01
2017/02/02 17:21	2.33	153.61	4.05
2017/02/02 17:36	2.33	154.03	4.06
2017/02/02 17:51	2.33	157.15	4.14
2017/02/02 18:06	2.25	146.46	4.06
2017/02/02 18:21	2.33	153.68	4.05
2017/02/02 18:36	2.50	169.51	4.06
2017/02/02 18:51	2.61	179.58	4.05
2017/02/02 19:06	2.71	198.89	4.26
2017/02/02 19:21	2.71	188.82	4.05
2017/02/02 19:36	2.65	183.19	4.04
2017/02/02 19:51	2.65	183.19	4.04
2017/02/02 20:06	2.61	193.19	4.36
2017/02/02 20:21	2.61	193.19	4.36
2017/02/02 20:36	2.46	177.78	4.36
2017/02/02 20:51	2.44	166.60	4.11
2017/02/02 21:06	2.40	162.64	4.11
2017/02/02 21:21	2.40	176.46	4.46
2017/02/02 21:36	2.16	140.76	4.11
2017/02/02 21:51	2.16	135.21	3.95
2017/02/02 22:06	2.16	135.21	3.95
2017/02/02 22:21	2.16	135.21	3.95
2017/02/02 22:36	2.11	130.35	3.95
2017/02/02 22:51	2.21	143.19	4.07
2017/02/02 23:06	2.21	134.44	3.83
2017/02/02 23:21	2.25	137.99	3.83
2017/02/02 23:36	2.25	147.01	4.07
2017/02/02 23:51	2.21	143.19	4.07
2017/02/03 00:06	2.21	145.83	4.15
2017/02/03 00:21	2.21	145.83	4.15

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 00:36	2.09	133.82	4.09
2017/02/03 00:51	2.09	135.69	4.15
2017/02/03 01:06	2.03	129.44	4.15
2017/02/03 01:21	2.03	127.64	4.09
2017/02/03 01:36	2.03	127.22	4.08
2017/02/03 01:51	2.03	119.72	3.84
2017/02/03 02:06	2.03	113.19	3.63
2017/02/03 02:21	2.43	144.65	3.60
2017/02/03 02:36	2.43	139.03	3.46
2017/02/03 02:51	2.62	154.31	3.45
2017/02/03 03:06	2.62	154.31	3.45
2017/02/03 03:21	2.83	170.35	3.43
2017/02/03 03:36	2.94	180.00	3.44
2017/02/03 03:51	2.90	176.53	3.44
2017/02/03 04:06	2.90	176.53	3.44
2017/02/03 04:21	2.83	170.35	3.43
2017/02/03 04:36	2.83	170.83	3.44
2017/02/03 04:51	2.83	170.83	3.44
2017/02/03 05:06	1.93	100.62	3.46
2017/02/03 05:21	1.93	107.64	3.70
2017/02/03 05:36	1.93	114.93	3.95
2017/02/03 05:51	1.93	121.32	4.17
2017/02/03 06:06	1.93	121.32	4.17
2017/02/03 06:21	1.97	119.51	3.99
2017/02/03 06:36	2.03	125.97	4.04
2017/02/03 06:51	2.07	129.65	4.04
2017/02/03 07:06	2.07	129.65	4.04
2017/02/03 07:21	2.18	139.51	4.04
2017/02/03 07:36	2.58	176.60	4.04
2017/02/03 07:51	2.86	203.96	4.06
2017/02/03 08:06	2.93	218.19	4.20
2017/02/03 08:21	2.96	259.44	4.93
2017/02/03 08:36	3.01	268.12	4.97
2017/02/03 08:51	3.01	268.12	4.97
2017/02/03 09:06	3.01	270.21	5.01
2017/02/03 09:21	3.01	270.90	5.02
2017/02/03 09:36	2.97	265.14	5.01
2017/02/03 09:51	2.94	261.80	5.01
2017/02/03 10:06	2.86	251.80	5.01
2017/02/03 10:21	2.86	241.46	4.80
2017/02/03 10:36	2.86	251.80	5.01
2017/02/03 10:51	2.79	244.17	5.02
2017/02/03 11:06	2.79	245.62	5.05
2017/02/03 11:21	2.75	240.62	5.05
2017/02/03 11:36	2.71	229.30	4.92

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 11:51	2.71	229.30	4.92
2017/02/03 12:06	2.69	227.64	4.92
2017/02/03 12:21	2.58	214.03	4.90
2017/02/03 12:36	2.58	185.28	4.24
2017/02/03 12:51	2.54	181.11	4.24
2017/02/03 13:06	2.37	163.06	4.19
2017/02/03 13:21	2.22	144.93	4.09
2017/02/03 13:36	2.37	163.06	4.19
2017/02/03 13:51	2.37	163.06	4.19
2017/02/03 14:06	2.46	166.81	4.09
2017/02/03 14:21	2.37	156.74	4.03
2017/02/03 14:36	2.26	146.67	4.03
2017/02/03 14:51	2.26	145.49	4.00
2017/02/03 15:06	2.26	156.04	4.29
2017/02/03 15:21	2.08	129.44	4.00
2017/02/03 15:36	2.07	128.26	4.00
2017/02/03 15:51	2.07	133.82	4.17
2017/02/03 16:06	2.07	135.14	4.21
2017/02/03 16:21	2.07	133.82	4.17
2017/02/03 16:36	2.12	140.28	4.21
2017/02/03 16:51	2.18	143.96	4.17
2017/02/03 17:06	2.18	143.96	4.17
2017/02/03 17:21	2.18	136.94	3.97
2017/02/03 17:36	2.21	139.37	3.97
2017/02/03 17:51	2.29	146.81	3.97
2017/02/03 18:06	2.18	139.58	4.04
2017/02/03 18:21	2.15	134.51	3.97
2017/02/03 18:36	2.15	137.08	4.04
2017/02/03 18:51	2.15	137.08	4.04
2017/02/03 19:06	2.09	132.15	4.04
2017/02/03 19:21	2.09	132.15	4.04
2017/02/03 19:36	2.09	129.86	3.97
2017/02/03 19:51	2.40	157.01	3.97
2017/02/03 20:06	2.40	157.01	3.97
2017/02/03 20:21	2.40	157.01	3.97
2017/02/03 20:36	2.40	158.19	4.00
2017/02/03 20:51	2.40	182.64	4.62
2017/02/03 21:06	2.40	180.42	4.56
2017/02/03 21:21	2.50	192.92	4.62
2017/02/03 21:36	2.37	179.65	4.62
2017/02/03 21:51	2.50	192.92	4.62
2017/02/03 22:06	2.43	185.55	4.62
2017/02/03 22:21	2.43	183.89	4.58
2017/02/03 22:36	2.43	183.33	4.56
2017/02/03 22:51	2.19	147.01	4.22

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/03 23:06	2.19	144.93	4.16
2017/02/03 23:21	2.19	144.93	4.16
2017/02/03 23:36	2.19	144.93	4.16
2017/02/03 23:51	2.19	142.15	4.08
2017/02/04 00:06	2.28	149.72	4.08
2017/02/04 00:21	2.37	152.08	3.91
2017/02/04 00:36	2.37	158.75	4.08
2017/02/04 00:51	2.37	147.29	3.79
2017/02/04 01:06	2.37	150.14	3.86
2017/02/04 01:21	2.19	134.44	3.86
2017/02/04 01:36	2.19	146.11	4.19
2017/02/04 01:51	2.19	146.11	4.19
2017/02/04 02:06	2.19	147.36	4.23
2017/02/04 02:21	2.73	200.00	4.23
2017/02/04 02:36	2.73	200.00	4.23
2017/02/04 02:51	2.76	202.78	4.23
2017/02/04 03:06	2.76	205.90	4.29
2017/02/04 03:21	2.97	230.07	4.35
2017/02/04 03:36	2.97	217.36	4.11
2017/02/04 03:51	2.72	186.87	3.98
2017/02/04 04:06	2.40	157.36	3.98
2017/02/04 04:21	2.08	128.06	3.95
2017/02/04 04:36	2.01	120.97	3.92
2017/02/04 04:51	2.01	120.97	3.92
2017/02/04 05:06	1.98	118.61	3.92
2017/02/04 05:21	2.01	120.97	3.92
2017/02/04 05:36	2.00	119.79	3.92
2017/02/04 05:51	2.00	119.79	3.92
2017/02/04 06:06	2.00	120.90	3.95
2017/02/04 06:21	2.00	120.90	3.95
2017/02/04 06:36	2.03	123.26	3.95
2017/02/04 06:51	2.15	136.87	4.04
2017/02/04 07:06	2.22	143.89	4.06
2017/02/04 07:21	2.33	155.76	4.10
2017/02/04 07:36	2.40	162.29	4.10
2017/02/04 07:51	2.40	160.42	4.06
2017/02/04 08:06	2.46	165.56	4.06
2017/02/04 08:21	2.64	181.11	4.03
2017/02/04 08:36	2.66	176.87	3.87
2017/02/04 08:51	2.68	178.12	3.87
2017/02/04 09:06	2.73	178.19	3.77
2017/02/04 09:21	2.73	183.19	3.87
2017/02/04 09:36	2.75	191.67	4.03
2017/02/04 09:51	2.79	221.11	4.55
2017/02/04 10:06	2.79	221.11	4.55

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 10:21	2.82	224.10	4.55
2017/02/04 10:36	2.83	225.62	4.55
2017/02/04 10:51	2.87	239.30	4.73
2017/02/04 11:06	2.90	242.50	4.73
2017/02/04 11:21	2.94	247.22	4.73
2017/02/04 11:36	2.94	247.22	4.73
2017/02/04 11:51	2.94	247.22	4.73
2017/02/04 12:06	2.91	253.26	4.91
2017/02/04 12:21	2.87	248.33	4.91
2017/02/04 12:36	2.86	219.10	4.36
2017/02/04 12:51	2.86	219.10	4.36
2017/02/04 13:06	2.86	214.37	4.26
2017/02/04 13:21	2.82	210.14	4.26
2017/02/04 13:36	2.82	249.93	5.07
2017/02/04 13:51	2.79	216.53	4.45
2017/02/04 14:06	2.79	216.53	4.45
2017/02/04 14:21	2.79	216.53	4.45
2017/02/04 14:36	2.69	202.71	4.38
2017/02/04 14:51	2.46	178.68	4.38
2017/02/04 15:06	2.46	178.68	4.38
2017/02/04 15:21	2.46	176.81	4.33
2017/02/04 15:36	2.46	176.81	4.33
2017/02/04 15:51	2.46	176.81	4.33
2017/02/04 16:06	2.47	180.76	4.39
2017/02/04 16:21	2.55	204.24	4.74
2017/02/04 16:36	2.61	210.97	4.76
2017/02/04 16:51	2.66	216.60	4.74
2017/02/04 17:06	2.66	216.60	4.74
2017/02/04 17:21	2.61	194.93	4.39
2017/02/04 17:36	2.57	190.62	4.39
2017/02/04 17:51	2.57	196.39	4.53
2017/02/04 18:06	2.55	188.68	4.38
2017/02/04 18:21	2.55	188.68	4.38
2017/02/04 18:36	2.53	185.83	4.38
2017/02/04 18:51	2.47	180.21	4.38
2017/02/04 19:06	2.53	187.71	4.43
2017/02/04 19:21	2.47	179.10	4.35
2017/02/04 19:36	2.43	174.72	4.35
2017/02/04 19:51	2.43	162.99	4.06
2017/02/04 20:06	2.41	161.67	4.06
2017/02/04 20:21	2.43	162.99	4.06
2017/02/04 20:36	2.43	159.72	3.98
2017/02/04 20:51	2.41	158.47	3.98
2017/02/04 21:06	2.34	152.15	3.98
2017/02/04 21:21	2.32	149.65	3.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/04 21:36	2.29	147.15	3.98
2017/02/04 21:51	2.29	138.40	3.74
2017/02/04 22:06	2.22	132.57	3.74
2017/02/04 22:21	2.22	142.64	4.02
2017/02/04 22:36	2.22	144.37	4.07
2017/02/04 22:51	2.22	146.04	4.12
2017/02/04 23:06	2.23	147.29	4.12
2017/02/04 23:21	2.23	147.57	4.13
2017/02/04 23:36	2.23	147.57	4.13
2017/02/04 23:51	2.26	150.14	4.13
2017/02/05 00:06	2.26	146.87	4.04
2017/02/05 00:21	2.19	140.62	4.04
2017/02/05 00:36	2.04	127.01	4.04
2017/02/05 00:51	2.03	132.85	4.26
2017/02/05 01:06	2.00	130.28	4.26
2017/02/05 01:21	2.00	131.25	4.29
2017/02/05 01:36	1.98	129.93	4.29
2017/02/05 01:51	1.98	129.93	4.29
2017/02/05 02:06	1.98	128.96	4.26
2017/02/05 02:21	1.98	128.96	4.26
2017/02/05 02:36	2.00	123.19	4.03
2017/02/05 02:51	2.01	118.96	3.85
2017/02/05 03:06	2.01	116.74	3.78
2017/02/05 03:21	2.01	115.07	3.73
2017/02/05 03:36	2.08	120.69	3.73
2017/02/05 03:51	2.08	120.69	3.73
2017/02/05 04:06	2.71	173.54	3.72
2017/02/05 04:21	1.90	105.42	3.70
2017/02/05 04:36	1.87	103.19	3.70
2017/02/05 04:51	1.84	101.04	3.70
2017/02/05 05:06	1.84	102.29	3.74
2017/02/05 05:21	1.79	98.33	3.76
2017/02/05 05:36	1.79	98.33	3.76
2017/02/05 05:51	1.79	98.33	3.76
2017/02/05 06:06	1.84	102.71	3.76
2017/02/05 06:21	1.86	103.89	3.76
2017/02/05 06:36	1.89	104.79	3.72
2017/02/05 06:51	1.89	104.79	3.72
2017/02/05 07:06	1.90	105.90	3.72
2017/02/05 07:21	2.11	122.57	3.72
2017/02/05 07:36	2.11	124.37	3.77
2017/02/05 07:51	2.22	139.44	3.93
2017/02/05 08:06	2.22	140.07	3.95
2017/02/05 08:21	2.23	141.39	3.95
2017/02/05 08:36	2.39	162.22	4.14

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 08:51	2.39	165.07	4.21
2017/02/05 09:06	2.39	165.07	4.21
2017/02/05 09:21	2.39	165.07	4.21
2017/02/05 09:36	2.39	166.67	4.25
2017/02/05 09:51	2.55	187.57	4.36
2017/02/05 10:06	2.73	200.97	4.25
2017/02/05 10:21	2.94	223.05	4.27
2017/02/05 10:36	2.97	225.90	4.27
2017/02/05 10:51	2.97	233.96	4.42
2017/02/05 11:06	2.97	250.69	4.74
2017/02/05 11:21	2.97	250.69	4.74
2017/02/05 11:36	2.97	233.96	4.42
2017/02/05 11:51	2.97	250.69	4.74
2017/02/05 12:06	2.91	244.37	4.74
2017/02/05 12:21	2.80	243.61	4.98
2017/02/05 12:36	2.80	242.99	4.97
2017/02/05 12:51	2.80	243.61	4.98
2017/02/05 13:06	2.80	243.61	4.98
2017/02/05 13:21	2.80	243.61	4.98
2017/02/05 13:36	2.83	246.87	4.98
2017/02/05 13:51	2.83	253.82	5.12
2017/02/05 14:06	2.83	253.82	5.12
2017/02/05 14:21	2.89	260.62	5.12
2017/02/05 14:36	2.80	249.17	5.09
2017/02/05 14:51	2.78	237.08	4.91
2017/02/05 15:06	2.78	237.08	4.91
2017/02/05 15:21	2.75	230.90	4.85
2017/02/05 15:36	2.57	205.28	4.73
2017/02/05 15:51	2.54	202.22	4.73
2017/02/05 16:06	2.53	192.22	4.53
2017/02/05 16:21	2.44	176.60	4.36
2017/02/05 16:36	2.23	152.08	4.25
2017/02/05 16:51	2.44	168.68	4.17
2017/02/05 17:06	2.44	159.58	3.94
2017/02/05 17:21	2.16	134.86	3.94
2017/02/05 17:36	2.44	159.58	3.94
2017/02/05 17:51	2.44	159.17	3.93
2017/02/05 18:06	2.44	159.17	3.93
2017/02/05 18:21	2.72	183.26	3.90
2017/02/05 18:36	2.72	176.81	3.76
2017/02/05 18:51	2.28	138.12	3.76
2017/02/05 19:06	2.28	138.12	3.76
2017/02/05 19:21	2.28	138.12	3.76
2017/02/05 19:36	2.28	143.19	3.90
2017/02/05 19:51	2.47	161.81	3.93

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/05 20:06	2.47	161.81	3.93
2017/02/05 20:21	2.72	189.17	4.03
2017/02/05 20:36	3.30	245.90	4.03
2017/02/05 20:51	3.30	261.32	4.28
2017/02/05 21:06	3.30	262.15	4.30
2017/02/05 21:21	3.18	248.26	4.28
2017/02/05 21:36	2.86	215.21	4.28
2017/02/05 21:51	2.86	215.21	4.28
2017/02/05 22:06	2.82	202.29	4.11
2017/02/05 22:21	2.75	195.55	4.11
2017/02/05 22:36	2.75	187.64	3.94
2017/02/05 22:51	2.30	147.08	3.94
2017/02/05 23:06	2.30	147.29	3.95
2017/02/05 23:21	2.11	130.00	3.94
2017/02/05 23:36	2.11	130.21	3.95
2017/02/05 23:51	2.25	143.82	3.99
2017/02/06 00:06	2.11	130.21	3.95
2017/02/06 00:21	2.11	130.21	3.95
2017/02/06 00:36	2.01	121.81	3.95
2017/02/06 00:51	2.01	121.11	3.92
2017/02/06 01:06	1.93	114.10	3.92
2017/02/06 01:21	1.93	110.62	3.80
2017/02/06 01:36	1.93	110.62	3.80
2017/02/06 01:51	3.21	223.12	3.80
2017/02/06 02:06	3.41	237.43	3.72
2017/02/06 02:21	3.44	240.00	3.72
2017/02/06 02:36	3.44	237.64	3.69
2017/02/06 02:51	3.44	230.07	3.57
2017/02/06 03:06	3.44	230.35	3.57
2017/02/06 03:21	3.21	209.65	3.57
2017/02/06 03:36	3.07	203.75	3.69
2017/02/06 03:51	2.98	199.86	3.75
2017/02/06 04:06	2.73	177.64	3.76
2017/02/06 04:21	2.73	190.49	4.03
2017/02/06 04:36	2.98	214.58	4.03
2017/02/06 04:51	2.98	214.58	4.03
2017/02/06 05:06	2.73	182.78	3.87
2017/02/06 05:21	2.33	146.67	3.87
2017/02/06 05:36	2.68	177.71	3.87
2017/02/06 05:51	2.68	180.97	3.94
2017/02/06 06:06	2.68	177.71	3.87
2017/02/06 06:21	2.68	180.97	3.94
2017/02/06 06:36	3.00	218.96	4.08
2017/02/06 06:51	3.12	234.58	4.14
2017/02/06 07:06	3.14	307.85	5.40

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 07:21	3.16	326.04	5.66
2017/02/06 07:36	3.16	326.04	5.66
2017/02/06 07:51	3.55	380.14	5.66
2017/02/06 08:06	3.55	399.44	5.94
2017/02/06 08:21	3.55	418.47	6.23
2017/02/06 08:36	3.55	418.47	6.23
2017/02/06 08:51	3.47	405.69	6.23
2017/02/06 09:06	3.39	335.69	5.32
2017/02/06 09:21	3.39	335.69	5.32
2017/02/06 09:36	3.37	390.76	6.23
2017/02/06 09:51	3.37	395.07	6.30
2017/02/06 10:06	3.39	397.22	6.30
2017/02/06 10:21	3.39	397.22	6.30
2017/02/06 10:36	3.37	395.07	6.30
2017/02/06 10:51	3.37	395.07	6.30
2017/02/06 11:06	3.16	281.94	4.89
2017/02/06 11:21	3.16	271.94	4.72
2017/02/06 11:36	3.09	258.96	4.63
2017/02/06 11:51	2.72	212.92	4.53
2017/02/06 12:06	2.72	212.92	4.53
2017/02/06 12:21	2.71	194.86	4.18
2017/02/06 12:36	2.71	194.86	4.18
2017/02/06 12:51	2.71	194.86	4.18
2017/02/06 13:06	2.75	198.96	4.18
2017/02/06 13:21	2.84	208.61	4.18
2017/02/06 13:36	2.84	208.61	4.18
2017/02/06 13:51	2.84	203.12	4.07
2017/02/06 14:06	2.84	203.12	4.07
2017/02/06 14:21	2.87	198.54	3.92
2017/02/06 14:36	2.87	198.54	3.92
2017/02/06 14:51	2.87	198.54	3.92
2017/02/06 15:06	3.11	234.79	4.17
2017/02/06 15:21	3.14	237.64	4.17
2017/02/06 15:36	3.14	245.00	4.30
2017/02/06 15:51	3.19	250.83	4.30
2017/02/06 16:06	3.19	250.83	4.30
2017/02/06 16:21	3.32	263.75	4.30
2017/02/06 16:36	3.32	263.75	4.30
2017/02/06 16:51	3.32	259.65	4.23
2017/02/06 17:06	3.30	258.19	4.23
2017/02/06 17:21	3.32	257.64	4.20
2017/02/06 17:36	3.32	257.64	4.20
2017/02/06 17:51	3.32	259.65	4.23
2017/02/06 18:06	3.30	242.78	3.98
2017/02/06 18:21	3.26	253.89	4.23

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/06 18:36	3.15	250.62	4.37
2017/02/06 18:51	3.11	251.11	4.46
2017/02/06 19:06	3.11	251.11	4.46
2017/02/06 19:21	3.11	246.18	4.37
2017/02/06 19:36	3.05	241.87	4.40
2017/02/06 19:51	3.05	249.65	4.54
2017/02/06 20:06	3.05	241.87	4.40
2017/02/06 20:21	3.16	251.74	4.37
2017/02/06 20:36	3.19	254.65	4.37
2017/02/06 20:51	3.19	254.65	4.37
2017/02/06 21:06	3.29	265.07	4.37
2017/02/06 21:21	3.30	266.53	4.37
2017/02/06 21:36	3.32	253.89	4.14
2017/02/06 21:51	3.30	266.53	4.37
2017/02/06 22:06	3.41	273.54	4.29
2017/02/06 22:21	3.41	273.54	4.29
2017/02/06 22:36	3.41	276.53	4.34
2017/02/06 22:51	3.41	276.53	4.34
2017/02/06 23:06	3.33	264.72	4.29
2017/02/06 23:21	3.30	261.80	4.29
2017/02/06 23:36	3.30	261.80	4.29
2017/02/06 23:51	3.26	252.78	4.21
2017/02/07 00:06	3.07	232.78	4.21
2017/02/07 00:21	2.83	200.76	4.05
2017/02/07 00:36	2.83	200.76	4.05
2017/02/07 00:51	2.83	206.60	4.17
2017/02/07 01:06	3.25	248.61	4.17
2017/02/07 01:21	3.25	235.55	3.95
2017/02/07 01:36	3.25	243.89	4.09
2017/02/07 01:51	3.33	245.55	3.98
2017/02/07 02:06	3.37	256.39	4.09
2017/02/07 02:21	3.40	252.29	3.98
2017/02/07 02:36	3.46	255.83	3.95
2017/02/07 02:51	3.46	253.05	3.90
2017/02/07 03:06	3.44	251.67	3.90
2017/02/07 03:21	3.44	239.10	3.71
2017/02/07 03:36	3.44	239.10	3.71
2017/02/07 03:51	3.44	239.10	3.71
2017/02/07 04:06	2.08	123.06	3.80
2017/02/07 04:21	2.04	119.58	3.80
2017/02/07 04:36	2.00	119.93	3.92
2017/02/07 04:51	2.00	120.07	3.93
2017/02/07 05:06	2.00	123.33	4.03
2017/02/07 05:21	2.00	123.33	4.03
2017/02/07 05:36	2.00	122.36	4.00

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 05:51	2.00	122.36	4.00
2017/02/07 06:06	2.09	128.40	3.93
2017/02/07 06:21	2.12	133.26	4.00
2017/02/07 06:36	2.44	162.08	4.00
2017/02/07 06:51	2.44	162.08	4.00
2017/02/07 07:06	2.68	190.00	4.13
2017/02/07 07:21	2.87	222.08	4.39
2017/02/07 07:36	3.02	258.89	4.77
2017/02/07 07:51	3.02	273.68	5.04
2017/02/07 08:06	3.02	273.68	5.04
2017/02/07 08:21	3.04	260.49	4.77
2017/02/07 08:36	3.02	258.89	4.77
2017/02/07 08:51	3.00	242.08	4.52
2017/02/07 09:06	3.00	236.25	4.41
2017/02/07 09:21	2.98	234.58	4.40
2017/02/07 09:36	2.98	234.58	4.40
2017/02/07 09:51	2.98	234.58	4.40
2017/02/07 10:06	2.96	231.87	4.41
2017/02/07 10:21	2.91	227.43	4.41
2017/02/07 10:36	2.87	223.05	4.41
2017/02/07 10:51	2.87	214.10	4.23
2017/02/07 11:06	2.83	223.40	4.50
2017/02/07 11:21	2.83	223.40	4.50
2017/02/07 11:36	2.83	209.86	4.23
2017/02/07 11:51	2.83	198.12	3.99
2017/02/07 12:06	2.83	197.99	3.99
2017/02/07 12:21	2.83	198.12	3.99
2017/02/07 12:36	2.83	216.60	4.37
2017/02/07 12:51	2.89	218.05	4.28
2017/02/07 13:06	2.73	190.90	4.04
2017/02/07 13:21	2.90	209.30	4.08
2017/02/07 13:36	2.72	191.74	4.08
2017/02/07 13:51	2.72	191.74	4.08
2017/02/07 14:06	2.57	177.15	4.08
2017/02/07 14:21	2.57	176.74	4.07
2017/02/07 14:36	2.57	176.74	4.07
2017/02/07 14:51	2.44	165.35	4.08
2017/02/07 15:06	2.40	169.31	4.28
2017/02/07 15:21	2.28	162.08	4.42
2017/02/07 15:36	1.62	118.75	5.22
2017/02/07 15:51	1.36	102.15	5.79
2017/02/07 16:06	1.36	102.99	5.84
2017/02/07 16:21	1.36	102.99	5.84
2017/02/07 16:36	1.36	102.99	5.84
2017/02/07 16:51	1.36	102.99	5.84

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/07 17:06	1.34	100.69	5.79
2017/02/07 17:21	1.40	108.68	5.90
2017/02/07 17:36	1.43	114.37	6.04
2017/02/07 17:51	1.40	114.37	6.21
2017/02/07 18:06	1.48	129.31	6.46
2017/02/07 18:21	1.48	124.31	6.21
2017/02/07 18:36	1.54	136.32	6.46
2017/02/07 18:51	1.54	136.32	6.46
2017/02/07 19:06	1.55	143.12	6.69
2017/02/07 19:21	1.57	137.29	6.34
2017/02/07 19:36	1.57	137.29	6.34
2017/02/07 19:51	1.57	137.29	6.34
2017/02/07 20:06	1.57	138.19	6.38
2017/02/07 20:21	1.53	132.99	6.38
2017/02/07 20:36	1.53	134.72	6.47
2017/02/07 20:51	1.53	134.72	6.47
2017/02/07 21:06	1.53	135.00	6.48
2017/02/07 21:21	1.53	135.00	6.48
2017/02/07 21:36	1.53	135.00	6.48
2017/02/07 21:51	1.51	133.26	6.48
2017/02/07 22:06	1.47	127.08	6.43
2017/02/07 22:21	1.47	126.46	6.40
2017/02/07 22:36	1.44	120.07	6.25
2017/02/07 22:51	1.44	120.07	6.25
2017/02/07 23:06	1.41	115.00	6.16
2017/02/07 23:21	1.41	115.00	6.16
2017/02/07 23:36	1.37	103.61	5.79
2017/02/07 23:51	1.36	101.67	5.76
2017/02/08 00:06	1.33	92.64	5.41
2017/02/08 00:21	1.23	76.18	4.97
2017/02/08 00:36	1.14	65.07	4.78
2017/02/08 00:51	1.14	63.19	4.64
2017/02/08 01:06	1.14	56.46	4.15
2017/02/08 01:21	1.12	55.49	4.15
2017/02/08 01:36	1.12	55.49	4.15
2017/02/08 01:51	1.12	53.26	3.98
2017/02/08 02:06	1.12	52.78	3.95
2017/02/08 02:21	1.14	53.75	3.95
2017/02/08 02:36	1.14	54.24	3.98
2017/02/08 02:51	1.11	52.85	4.02
2017/02/08 03:06	1.14	53.12	3.90
2017/02/08 03:21	1.14	53.06	3.89
2017/02/08 03:36	1.11	51.18	3.89
2017/02/08 03:51	1.11	52.01	3.96
2017/02/08 04:06	1.11	52.85	4.02

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 04:21	1.12	53.82	4.02
2017/02/08 04:36	1.12	59.17	4.42
2017/02/08 04:51	1.11	61.04	4.65
2017/02/08 05:06	1.12	63.26	4.73
2017/02/08 05:21	1.14	64.37	4.73
2017/02/08 05:36	1.18	68.54	4.77
2017/02/08 05:51	1.18	68.54	4.77
2017/02/08 06:06	1.18	69.31	4.83
2017/02/08 06:21	1.23	79.17	5.16
2017/02/08 06:36	1.34	96.67	5.56
2017/02/08 06:51	1.34	98.19	5.65
2017/02/08 07:06	1.43	114.17	6.03
2017/02/08 07:21	1.47	122.15	6.18
2017/02/08 07:36	1.47	122.15	6.18
2017/02/08 07:51	1.48	126.53	6.32
2017/02/08 08:06	1.53	131.67	6.32
2017/02/08 08:21	1.53	131.67	6.32
2017/02/08 08:36	1.53	134.24	6.44
2017/02/08 08:51	1.53	134.24	6.44
2017/02/08 09:06	1.53	134.24	6.44
2017/02/08 09:21	1.50	128.19	6.32
2017/02/08 09:36	1.47	121.94	6.18
2017/02/08 09:51	1.44	118.68	6.18
2017/02/08 10:06	1.44	119.79	6.23
2017/02/08 10:21	1.44	118.68	6.18
2017/02/08 10:36	1.44	117.43	6.11
2017/02/08 10:51	1.43	115.28	6.08
2017/02/08 11:06	1.41	112.99	6.05
2017/02/08 11:21	1.41	112.57	6.02
2017/02/08 11:36	1.36	105.76	6.00
2017/02/08 11:51	1.36	100.62	5.71
2017/02/08 12:06	1.36	100.62	5.71
2017/02/08 12:21	1.32	95.83	5.69
2017/02/08 12:36	1.33	97.36	5.69
2017/02/08 12:51	1.32	94.37	5.60
2017/02/08 13:06	1.30	92.78	5.59
2017/02/08 13:21	1.30	91.60	5.52
2017/02/08 13:36	1.30	89.37	5.38
2017/02/08 13:51	1.30	89.37	5.38
2017/02/08 14:06	1.23	81.25	5.29
2017/02/08 14:21	1.23	81.25	5.29
2017/02/08 14:36	1.30	89.37	5.38
2017/02/08 14:51	1.23	82.99	5.41
2017/02/08 15:06	1.32	93.19	5.53
2017/02/08 15:21	1.33	97.36	5.69

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/08 15:36	1.36	101.46	5.75
2017/02/08 15:51	1.36	104.31	5.92
2017/02/08 16:06	1.36	104.31	5.92
2017/02/08 16:21	1.36	101.46	5.75
2017/02/08 16:36	1.36	104.31	5.92
2017/02/08 16:51	1.36	104.31	5.92
2017/02/08 17:06	1.33	101.25	5.92
2017/02/08 17:21	1.32	96.11	5.70
2017/02/08 17:36	1.32	96.11	5.70
2017/02/08 17:51	1.32	96.11	5.70
2017/02/08 18:06	1.32	97.99	5.81
2017/02/08 18:21	1.32	97.99	5.81
2017/02/08 18:36	1.37	108.82	6.08
2017/02/08 18:51	1.37	108.82	6.08
2017/02/08 19:06	1.39	111.46	6.14
2017/02/08 19:21	1.40	113.68	6.17
2017/02/08 19:36	1.40	113.68	6.17
2017/02/08 19:51	1.41	115.90	6.20
2017/02/08 20:06	1.43	121.25	6.40
2017/02/08 20:21	1.44	123.12	6.41
2017/02/08 20:36	1.44	123.12	6.41
2017/02/08 20:51	1.44	123.26	6.42
2017/02/08 21:06	1.44	123.26	6.42
2017/02/08 21:21	1.43	121.60	6.42
2017/02/08 21:36	1.43	121.60	6.42
2017/02/08 21:51	1.43	119.03	6.28
2017/02/08 22:06	1.43	119.03	6.28
2017/02/08 22:21	1.44	121.53	6.32
2017/02/08 22:36	1.43	116.04	6.12
2017/02/08 22:51	1.43	116.04	6.12
2017/02/08 23:06	1.40	112.78	6.12
2017/02/08 23:21	1.36	107.78	6.11
2017/02/08 23:36	1.32	98.96	5.87
2017/02/08 23:51	1.29	91.11	5.57
2017/02/09 00:06	1.29	91.04	5.57
2017/02/09 00:21	1.29	89.79	5.49
2017/02/09 00:36	1.29	85.83	5.25
2017/02/09 00:51	1.30	84.72	5.10
2017/02/09 01:06	1.41	94.58	5.06
2017/02/09 01:21	1.44	90.97	4.73
2017/02/09 01:36	1.44	90.97	4.73
2017/02/09 01:51	1.44	90.00	4.68
2017/02/09 02:06	1.44	86.87	4.52
2017/02/09 02:21	1.41	82.92	4.44
2017/02/09 02:36	1.36	77.78	4.41

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 02:51	1.34	77.15	4.44
2017/02/09 03:06	1.34	77.15	4.44
2017/02/09 03:21	1.34	75.07	4.32
2017/02/09 03:36	1.34	75.07	4.32
2017/02/09 03:51	1.34	75.07	4.32
2017/02/09 04:06	1.34	78.06	4.49
2017/02/09 04:21	1.32	75.97	4.51
2017/02/09 04:36	1.30	75.90	4.57
2017/02/09 04:51	1.30	75.97	4.57
2017/02/09 05:06	1.30	77.08	4.64
2017/02/09 05:21	1.30	77.71	4.68
2017/02/09 05:36	1.28	78.40	4.87
2017/02/09 05:51	1.26	78.26	4.94
2017/02/09 06:06	1.30	82.01	4.94
2017/02/09 06:21	1.32	86.18	5.11
2017/02/09 06:36	1.32	88.40	5.24
2017/02/09 06:51	1.40	110.83	6.02
2017/02/09 07:06	1.40	118.33	6.42
2017/02/09 07:21	1.44	125.07	6.51
2017/02/09 07:36	1.44	127.71	6.65
2017/02/09 07:51	1.61	157.92	7.02
2017/02/09 08:06	1.61	157.92	7.02
2017/02/09 08:21	1.61	157.92	7.02
2017/02/09 08:36	1.61	157.92	7.02
2017/02/09 08:51	1.58	152.85	6.97
2017/02/09 09:06	1.57	150.97	6.97
2017/02/09 09:21	1.48	137.92	6.89
2017/02/09 09:36	1.47	126.74	6.42
2017/02/09 09:51	1.47	125.14	6.34
2017/02/09 10:06	1.44	115.90	6.03
2017/02/09 10:21	1.43	114.31	6.03
2017/02/09 10:36	1.43	112.64	5.95
2017/02/09 10:51	1.40	108.12	5.87
2017/02/09 11:06	1.40	108.12	5.87
2017/02/09 11:21	1.36	103.54	5.87
2017/02/09 11:36	1.36	105.76	6.00
2017/02/09 11:51	1.36	104.44	5.92
2017/02/09 12:06	1.36	104.44	5.92
2017/02/09 12:21	1.36	104.44	5.92
2017/02/09 12:36	1.36	104.44	5.92
2017/02/09 12:51	1.36	104.44	5.92
2017/02/09 13:06	1.37	106.04	5.92
2017/02/09 13:21	1.33	100.14	5.85
2017/02/09 13:36	1.32	98.06	5.82
2017/02/09 13:51	1.33	100.14	5.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/09 14:06	1.33	99.58	5.82
2017/02/09 14:21	1.33	103.40	6.04
2017/02/09 14:36	1.33	99.58	5.82
2017/02/09 14:51	1.33	99.58	5.82
2017/02/09 15:06	1.32	98.06	5.82
2017/02/09 15:21	1.33	100.00	5.84
2017/02/09 15:36	1.36	102.99	5.84
2017/02/09 15:51	1.36	102.99	5.84
2017/02/09 16:06	1.36	102.99	5.84
2017/02/09 16:21	1.36	102.99	5.84
2017/02/09 16:36	1.36	103.96	5.89
2017/02/09 16:51	1.36	103.96	5.89
2017/02/09 17:06	1.34	103.33	5.95
2017/02/09 17:21	1.29	94.24	5.76
2017/02/09 17:36	1.34	103.33	5.95
2017/02/09 17:51	1.34	100.14	5.76
2017/02/09 18:06	1.34	103.33	5.95
2017/02/09 18:21	1.33	101.74	5.94
2017/02/09 18:36	1.33	101.74	5.94
2017/02/09 18:51	1.33	100.07	5.85
2017/02/09 19:06	1.33	100.07	5.85
2017/02/09 19:21	1.33	97.50	5.69
2017/02/09 19:36	1.30	94.58	5.69
2017/02/09 19:51	1.30	94.58	5.69
2017/02/09 20:06	1.33	97.50	5.69
2017/02/09 20:21	1.37	104.31	5.83
2017/02/09 20:36	1.43	110.49	5.83
2017/02/09 20:51	1.44	121.11	6.30
2017/02/09 21:06	1.44	122.15	6.36
2017/02/09 21:21	1.44	122.15	6.36
2017/02/09 21:36	1.48	129.10	6.45
2017/02/09 21:51	1.48	129.10	6.45
2017/02/09 22:06	1.48	126.18	6.30
2017/02/09 22:21	1.48	125.83	6.29
2017/02/09 22:36	1.46	122.50	6.29
2017/02/09 22:51	1.43	118.54	6.26
2017/02/09 23:06	1.43	117.50	6.20
2017/02/09 23:21	1.41	112.08	6.00
2017/02/09 23:36	1.34	101.74	5.85
2017/02/09 23:51	1.33	99.93	5.84
2017/02/10 00:06	1.32	96.74	5.74
2017/02/10 00:21	1.25	88.33	5.67
2017/02/10 00:36	1.22	76.18	5.05
2017/02/10 00:51	1.19	73.68	5.05
2017/02/10 01:06	1.19	66.74	4.57

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 01:21	1.18	65.00	4.53
2017/02/10 01:36	1.15	62.71	4.52
2017/02/10 01:51	1.15	59.93	4.32
2017/02/10 02:06	1.15	57.43	4.14
2017/02/10 02:21	1.14	55.76	4.09
2017/02/10 02:36	1.12	52.57	3.93
2017/02/10 02:51	1.12	52.36	3.91
2017/02/10 03:06	1.12	52.36	3.91
2017/02/10 03:21	1.12	52.36	3.91
2017/02/10 03:36	1.12	52.36	3.91
2017/02/10 03:51	1.12	52.36	3.91
2017/02/10 04:06	1.12	52.36	3.91
2017/02/10 04:21	1.14	52.43	3.85
2017/02/10 04:36	1.14	52.43	3.85
2017/02/10 04:51	1.14	52.43	3.85
2017/02/10 05:06	1.15	53.40	3.85
2017/02/10 05:21	1.15	58.12	4.19
2017/02/10 05:36	1.15	58.61	4.23
2017/02/10 05:51	1.18	65.35	4.55
2017/02/10 06:06	1.26	72.08	4.55
2017/02/10 06:21	1.28	73.26	4.55
2017/02/10 06:36	1.28	85.76	5.33
2017/02/10 06:51	1.32	92.15	5.46
2017/02/10 07:06	1.32	95.07	5.64
2017/02/10 07:21	1.32	95.69	5.68
2017/02/10 07:36	1.43	117.29	6.19
2017/02/10 07:51	1.59	149.93	6.75
2017/02/10 08:06	1.61	157.01	6.99
2017/02/10 08:21	1.61	157.01	6.99
2017/02/10 08:36	1.61	157.01	6.99
2017/02/10 08:51	1.59	151.04	6.80
2017/02/10 09:06	1.53	141.74	6.80
2017/02/10 09:21	1.51	138.61	6.74
2017/02/10 09:36	1.51	138.19	6.72
2017/02/10 09:51	1.48	134.03	6.70
2017/02/10 10:06	1.48	130.28	6.51
2017/02/10 10:21	1.48	131.53	6.57
2017/02/10 10:36	1.48	130.28	6.51
2017/02/10 10:51	1.47	127.01	6.43
2017/02/10 11:06	1.44	122.08	6.35
2017/02/10 11:21	1.43	116.32	6.14
2017/02/10 11:36	1.43	116.32	6.14
2017/02/10 11:51	1.40	113.06	6.14
2017/02/10 12:06	1.37	107.99	6.04
2017/02/10 12:21	1.37	107.29	5.99

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 12:36	1.37	107.01	5.98
2017/02/10 12:51	1.36	105.00	5.95
2017/02/10 13:06	1.33	100.00	5.84
2017/02/10 13:21	1.33	100.00	5.84
2017/02/10 13:36	1.33	96.74	5.65
2017/02/10 13:51	1.32	94.79	5.62
2017/02/10 14:06	1.32	95.28	5.65
2017/02/10 14:21	1.33	101.94	5.95
2017/02/10 14:36	1.34	104.10	5.99
2017/02/10 14:51	1.39	111.94	6.16
2017/02/10 15:06	1.40	115.07	6.25
2017/02/10 15:21	1.40	115.07	6.25
2017/02/10 15:36	1.40	115.07	6.25
2017/02/10 15:51	1.41	118.40	6.34
2017/02/10 16:06	1.41	121.39	6.50
2017/02/10 16:21	1.50	132.15	6.51
2017/02/10 16:36	1.50	132.15	6.51
2017/02/10 16:51	1.40	112.01	6.08
2017/02/10 17:06	1.50	123.33	6.08
2017/02/10 17:21	1.51	133.89	6.51
2017/02/10 17:36	1.50	124.51	6.14
2017/02/10 17:51	1.50	124.51	6.14
2017/02/10 18:06	1.44	117.99	6.14
2017/02/10 18:21	1.50	126.87	6.25
2017/02/10 18:36	1.51	132.22	6.43
2017/02/10 18:51	1.51	134.51	6.54
2017/02/10 19:06	1.51	134.51	6.54
2017/02/10 19:21	1.58	143.47	6.54
2017/02/10 19:36	1.58	141.04	6.43
2017/02/10 19:51	1.58	141.04	6.43
2017/02/10 20:06	1.58	144.51	6.59
2017/02/10 20:21	1.57	138.89	6.41
2017/02/10 20:36	1.57	137.99	6.37
2017/02/10 20:51	1.57	137.99	6.37
2017/02/10 21:06	1.57	138.89	6.41
2017/02/10 21:21	1.54	138.19	6.55
2017/02/10 21:36	1.51	134.65	6.55
2017/02/10 21:51	1.51	130.97	6.37
2017/02/10 22:06	1.51	130.97	6.37
2017/02/10 22:21	1.44	115.49	6.01
2017/02/10 22:36	1.43	113.89	6.01
2017/02/10 22:51	1.39	106.25	5.85
2017/02/10 23:06	1.39	106.25	5.85
2017/02/10 23:21	1.39	103.12	5.68
2017/02/10 23:36	1.39	101.67	5.60

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/10 23:51	1.39	101.67	5.60
2017/02/11 00:06	1.39	101.67	5.60
2017/02/11 00:21	1.36	98.75	5.60
2017/02/11 00:36	1.30	88.06	5.30
2017/02/11 00:51	1.28	84.58	5.26
2017/02/11 01:06	1.28	84.58	5.26
2017/02/11 01:21	1.16	68.40	4.85
2017/02/11 01:36	1.15	64.37	4.64
2017/02/11 01:51	1.15	62.36	4.50
2017/02/11 02:06	1.14	61.25	4.50
2017/02/11 02:21	1.11	59.10	4.50
2017/02/11 02:36	1.11	59.10	4.50
2017/02/11 02:51	1.11	57.71	4.39
2017/02/11 03:06	1.09	51.04	3.96
2017/02/11 03:21	1.09	51.04	3.96
2017/02/11 03:36	1.09	51.04	3.96
2017/02/11 03:51	1.08	48.89	3.86
2017/02/11 04:06	1.09	48.89	3.79
2017/02/11 04:21	1.09	48.89	3.79
2017/02/11 04:36	1.12	48.40	3.62
2017/02/11 04:51	1.12	51.67	3.86
2017/02/11 05:06	1.09	49.79	3.86
2017/02/11 05:21	1.09	49.79	3.86
2017/02/11 05:36	1.11	53.82	4.10
2017/02/11 05:51	1.11	55.56	4.23
2017/02/11 06:06	1.11	55.56	4.23
2017/02/11 06:21	1.11	57.01	4.34
2017/02/11 06:36	1.12	58.06	4.34
2017/02/11 06:51	1.15	60.49	4.36
2017/02/11 07:06	1.23	66.94	4.36
2017/02/11 07:21	1.25	81.60	5.23
2017/02/11 07:36	1.29	85.56	5.23
2017/02/11 07:51	1.30	94.51	5.69
2017/02/11 08:06	1.30	96.11	5.79
2017/02/11 08:21	1.37	104.24	5.83
2017/02/11 08:36	1.37	104.24	5.83
2017/02/11 08:51	1.39	110.28	6.07
2017/02/11 09:06	1.41	113.82	6.09
2017/02/11 09:21	1.44	117.01	6.09
2017/02/11 09:36	1.44	125.97	6.56
2017/02/11 09:51	1.46	129.37	6.64
2017/02/11 10:06	1.47	132.29	6.70
2017/02/11 10:21	1.54	143.26	6.79
2017/02/11 10:36	1.59	148.75	6.70
2017/02/11 10:51	1.59	154.93	6.98

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 11:06	1.55	144.03	6.74
2017/02/11 11:21	1.62	158.82	6.98
2017/02/11 11:36	1.62	158.82	6.98
2017/02/11 11:51	1.61	151.46	6.74
2017/02/11 12:06	1.61	151.46	6.74
2017/02/11 12:21	1.61	156.87	6.98
2017/02/11 12:36	1.61	155.56	6.92
2017/02/11 12:51	1.61	155.56	6.92
2017/02/11 13:06	1.59	149.17	6.72
2017/02/11 13:21	1.54	141.81	6.72
2017/02/11 13:36	1.54	141.81	6.72
2017/02/11 13:51	1.48	133.61	6.67
2017/02/11 14:06	1.48	129.51	6.47
2017/02/11 14:21	1.48	126.67	6.33
2017/02/11 14:36	1.48	122.36	6.11
2017/02/11 14:51	1.44	116.67	6.07
2017/02/11 15:06	1.43	115.00	6.07
2017/02/11 15:21	1.40	109.65	5.95
2017/02/11 15:36	1.39	108.06	5.95
2017/02/11 15:51	1.39	108.06	5.95
2017/02/11 16:06	1.39	108.06	5.95
2017/02/11 16:21	1.40	112.01	6.08
2017/02/11 16:36	1.40	115.14	6.25
2017/02/11 16:51	1.40	112.01	6.08
2017/02/11 17:06	1.40	112.57	6.11
2017/02/11 17:21	1.40	112.57	6.11
2017/02/11 17:36	1.40	113.61	6.17
2017/02/11 17:51	1.39	112.99	6.22
2017/02/11 18:06	1.37	111.39	6.22
2017/02/11 18:21	1.37	111.39	6.22
2017/02/11 18:36	1.37	111.39	6.22
2017/02/11 18:51	1.37	111.39	6.22
2017/02/11 19:06	1.34	108.12	6.22
2017/02/11 19:21	1.34	103.54	5.96
2017/02/11 19:36	1.34	103.54	5.96
2017/02/11 19:51	1.34	103.54	5.96
2017/02/11 20:06	1.34	103.54	5.96
2017/02/11 20:21	1.34	103.54	5.96
2017/02/11 20:36	1.34	106.81	6.15
2017/02/11 20:51	1.39	111.94	6.16
2017/02/11 21:06	1.40	115.69	6.28
2017/02/11 21:21	1.40	113.54	6.16
2017/02/11 21:36	1.39	111.94	6.16
2017/02/11 21:51	1.36	107.78	6.11
2017/02/11 22:06	1.36	107.78	6.11

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/11 22:21	1.29	97.36	5.96
2017/02/11 22:36	1.29	95.97	5.87
2017/02/11 22:51	1.28	94.44	5.87
2017/02/11 23:06	1.28	95.83	5.96
2017/02/11 23:21	1.21	75.56	5.09
2017/02/11 23:36	1.19	74.31	5.09
2017/02/11 23:51	1.19	75.49	5.17
2017/02/12 00:06	1.21	76.94	5.18
2017/02/12 00:21	1.26	89.79	5.67
2017/02/12 00:36	1.22	78.19	5.18
2017/02/12 00:51	1.19	75.49	5.17
2017/02/12 01:06	1.19	75.49	5.17
2017/02/12 01:21	1.22	74.58	4.94
2017/02/12 01:36	1.22	72.64	4.81
2017/02/12 01:51	1.22	70.56	4.68
2017/02/12 02:06	1.22	67.64	4.48
2017/02/12 02:21	1.22	62.15	4.12
2017/02/12 02:36	1.25	64.03	4.11
2017/02/12 02:51	1.26	64.24	4.05
2017/02/12 03:06	1.26	64.24	4.05
2017/02/12 03:21	1.26	65.07	4.11
2017/02/12 03:36	1.26	65.07	4.11
2017/02/12 03:51	1.26	60.76	3.84
2017/02/12 04:06	1.28	61.74	3.83
2017/02/12 04:21	1.28	61.74	3.84
2017/02/12 04:36	1.26	63.89	4.03
2017/02/12 04:51	1.25	62.85	4.03
2017/02/12 05:06	1.23	61.87	4.03
2017/02/12 05:21	1.23	63.68	4.15
2017/02/12 05:36	1.23	63.68	4.15
2017/02/12 05:51	1.22	62.71	4.16
2017/02/12 06:06	1.22	62.71	4.16
2017/02/12 06:21	1.22	63.82	4.23
2017/02/12 06:36	1.19	63.06	4.32
2017/02/12 06:51	1.19	63.19	4.33
2017/02/12 07:06	1.18	62.29	4.34
2017/02/12 07:21	1.18	67.57	4.71
2017/02/12 07:36	1.18	73.61	5.13
2017/02/12 07:51	1.19	75.07	5.15
2017/02/12 08:06	1.23	80.97	5.28
2017/02/12 08:21	1.32	95.90	5.69
2017/02/12 08:36	1.33	99.58	5.82
2017/02/12 08:51	1.37	112.85	6.30
2017/02/12 09:06	1.50	130.42	6.43
2017/02/12 09:21	1.50	135.49	6.68

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 09:36	1.53	141.04	6.77
2017/02/12 09:51	1.57	147.36	6.81
2017/02/12 10:06	1.57	147.36	6.81
2017/02/12 10:21	1.57	152.43	7.04
2017/02/12 10:36	1.57	152.43	7.04
2017/02/12 10:51	1.57	152.99	7.07
2017/02/12 11:06	1.57	155.49	7.18
2017/02/12 11:21	1.68	173.12	7.25
2017/02/12 11:36	1.66	173.68	7.36
2017/02/12 11:51	1.66	173.68	7.36
2017/02/12 12:06	1.66	173.68	7.36
2017/02/12 12:21	1.66	173.68	7.36
2017/02/12 12:36	1.66	173.68	7.36
2017/02/12 12:51	1.61	160.76	7.15
2017/02/12 13:06	1.55	152.57	7.14
2017/02/12 13:21	1.51	139.86	6.80
2017/02/12 13:36	1.51	137.85	6.71
2017/02/12 13:51	1.48	129.03	6.45
2017/02/12 14:06	1.46	125.62	6.45
2017/02/12 14:21	1.44	123.06	6.41
2017/02/12 14:36	1.39	116.32	6.41
2017/02/12 14:51	1.39	116.32	6.41
2017/02/12 15:06	1.37	109.93	6.14
2017/02/12 15:21	1.39	116.32	6.41
2017/02/12 15:36	1.39	116.32	6.41
2017/02/12 15:51	1.39	113.89	6.27
2017/02/12 16:06	1.39	113.47	6.25
2017/02/12 16:21	1.40	115.49	6.27
2017/02/12 16:36	1.40	115.49	6.27
2017/02/12 16:51	1.43	118.82	6.27
2017/02/12 17:06	1.43	118.82	6.27
2017/02/12 17:21	1.43	121.60	6.42
2017/02/12 17:36	1.43	121.60	6.42
2017/02/12 17:51	1.43	121.60	6.42
2017/02/12 18:06	1.43	118.89	6.27
2017/02/12 18:21	1.41	116.04	6.21
2017/02/12 18:36	1.41	117.22	6.27
2017/02/12 18:51	1.41	117.22	6.27
2017/02/12 19:06	1.41	117.22	6.27
2017/02/12 19:21	1.41	117.22	6.27
2017/02/12 19:36	1.41	113.82	6.09
2017/02/12 19:51	1.40	111.46	6.05
2017/02/12 20:06	1.33	100.35	5.86
2017/02/12 20:21	1.33	100.35	5.86
2017/02/12 20:36	1.33	100.35	5.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/12 20:51	1.33	100.35	5.86
2017/02/12 21:06	1.37	109.86	6.14
2017/02/12 21:21	1.39	112.78	6.21
2017/02/12 21:36	1.39	112.78	6.21
2017/02/12 21:51	1.39	112.78	6.21
2017/02/12 22:06	1.39	112.78	6.21
2017/02/12 22:21	1.34	104.93	6.04
2017/02/12 22:36	1.25	89.31	5.73
2017/02/12 22:51	1.25	89.31	5.73
2017/02/12 23:06	1.23	85.00	5.54
2017/02/12 23:21	1.25	86.67	5.56
2017/02/12 23:36	1.23	85.28	5.56
2017/02/12 23:51	1.22	83.61	5.54
2017/02/13 00:06	1.21	79.17	5.33
2017/02/13 00:21	1.16	75.21	5.33
2017/02/13 00:36	1.11	64.10	4.88
2017/02/13 00:51	1.11	62.57	4.76
2017/02/13 01:06	1.11	62.57	4.76
2017/02/13 01:21	1.08	60.14	4.75
2017/02/13 01:36	1.08	57.99	4.58
2017/02/13 01:51	1.08	57.08	4.51
2017/02/13 02:06	1.08	56.94	4.50
2017/02/13 02:21	1.08	56.94	4.50
2017/02/13 02:36	1.08	56.81	4.48
2017/02/13 02:51	1.08	50.97	4.03
2017/02/13 03:06	1.09	50.07	3.88
2017/02/13 03:21	1.09	48.47	3.76
2017/02/13 03:36	1.09	48.47	3.76
2017/02/13 03:51	1.11	48.26	3.67
2017/02/13 04:06	1.11	48.26	3.67
2017/02/13 04:21	1.11	48.26	3.67
2017/02/13 04:36	1.11	50.83	3.87
2017/02/13 04:51	1.11	51.25	3.90
2017/02/13 05:06	1.14	53.68	3.94
2017/02/13 05:21	1.14	57.01	4.19
2017/02/13 05:36	1.14	57.01	4.19
2017/02/13 05:51	1.14	57.36	4.21
2017/02/13 06:06	1.14	57.50	4.22
2017/02/13 06:21	1.14	58.96	4.33
2017/02/13 06:36	1.16	73.68	5.23
2017/02/13 06:51	1.26	89.24	5.63
2017/02/13 07:06	1.28	91.11	5.66
2017/02/13 07:21	1.36	106.81	6.05
2017/02/13 07:36	1.50	123.61	6.09
2017/02/13 07:51	1.53	140.83	6.76

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 08:06	1.55	144.93	6.78
2017/02/13 08:21	1.59	156.81	7.06
2017/02/13 08:36	1.64	164.37	7.14
2017/02/13 08:51	1.64	164.51	7.14
2017/02/13 09:06	1.64	164.51	7.14
2017/02/13 09:21	1.64	164.51	7.14
2017/02/13 09:36	1.64	163.75	7.11
2017/02/13 09:51	1.58	154.86	7.06
2017/02/13 10:06	1.50	136.94	6.75
2017/02/13 10:21	1.48	134.44	6.72
2017/02/13 10:36	1.48	134.44	6.72
2017/02/13 10:51	1.48	134.44	6.72
2017/02/13 11:06	1.47	132.29	6.70
2017/02/13 11:21	1.47	132.29	6.70
2017/02/13 11:36	1.48	134.44	6.72
2017/02/13 11:51	1.48	134.44	6.72
2017/02/13 12:06	1.48	134.10	6.70
2017/02/13 12:21	1.47	129.72	6.57
2017/02/13 12:36	1.40	114.37	6.21
2017/02/13 12:51	1.37	108.89	6.08
2017/02/13 13:06	1.37	108.89	6.08
2017/02/13 13:21	1.36	101.11	5.73
2017/02/13 13:36	1.30	94.51	5.69
2017/02/13 13:51	1.25	85.62	5.49
2017/02/13 14:06	1.25	84.24	5.40
2017/02/13 14:21	1.25	83.19	5.34
2017/02/13 14:36	1.22	80.56	5.34
2017/02/13 14:51	1.21	79.24	5.34
2017/02/13 15:06	1.19	77.92	5.34
2017/02/13 15:21	1.19	75.14	5.15
2017/02/13 15:36	1.21	79.24	5.34
2017/02/13 15:51	1.26	85.56	5.40
2017/02/13 16:06	1.26	90.28	5.70
2017/02/13 16:21	1.28	94.44	5.87
2017/02/13 16:36	1.28	94.44	5.87
2017/02/13 16:51	1.29	96.25	5.89
2017/02/13 17:06	1.33	101.25	5.92
2017/02/13 17:21	1.29	96.25	5.89
2017/02/13 17:36	1.34	102.29	5.89
2017/02/13 17:51	1.34	102.36	5.89
2017/02/13 18:06	1.34	102.36	5.89
2017/02/13 18:21	1.36	104.51	5.93
2017/02/13 18:36	1.36	108.26	6.14
2017/02/13 18:51	1.36	108.26	6.14
2017/02/13 19:06	1.37	111.81	6.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/13 19:21	1.40	116.04	6.30
2017/02/13 19:36	1.44	123.19	6.41
2017/02/13 19:51	1.47	126.67	6.41
2017/02/13 20:06	1.50	139.10	6.86
2017/02/13 20:21	1.50	139.10	6.86
2017/02/13 20:36	1.50	139.10	6.86
2017/02/13 20:51	1.54	144.72	6.86
2017/02/13 21:06	1.54	142.92	6.77
2017/02/13 21:21	1.48	135.56	6.77
2017/02/13 21:36	1.48	135.56	6.77
2017/02/13 21:51	1.48	135.49	6.77
2017/02/13 22:06	1.48	134.79	6.73
2017/02/13 22:21	1.48	134.79	6.73
2017/02/13 22:36	1.43	124.37	6.56
2017/02/13 22:51	1.41	115.97	6.21
2017/02/13 23:06	1.41	115.97	6.21
2017/02/13 23:21	1.37	106.60	5.96
2017/02/13 23:36	1.32	100.42	5.96
2017/02/13 23:51	1.22	84.31	5.59
2017/02/14 00:06	1.22	83.61	5.54
2017/02/14 00:21	1.15	72.15	5.21
2017/02/14 00:36	1.14	69.44	5.10
2017/02/14 00:51	1.12	63.82	4.77
2017/02/14 01:06	1.12	63.26	4.73
2017/02/14 01:21	1.11	60.69	4.62
2017/02/14 01:36	1.11	60.69	4.62
2017/02/14 01:51	1.11	61.87	4.71
2017/02/14 02:06	1.11	61.87	4.71
2017/02/14 02:21	1.16	66.46	4.71
2017/02/14 02:36	1.18	67.57	4.71
2017/02/14 02:51	1.19	68.75	4.71
2017/02/14 03:06	1.19	68.75	4.71
2017/02/14 03:21	1.21	69.86	4.71
2017/02/14 03:36	1.23	72.08	4.70
2017/02/14 03:51	1.23	72.08	4.70
2017/02/14 04:06	1.23	69.72	4.55
2017/02/14 04:21	1.22	68.26	4.52
2017/02/14 04:36	1.22	66.94	4.44
2017/02/14 04:51	1.22	66.94	4.44
2017/02/14 05:06	1.22	69.24	4.59
2017/02/14 05:21	1.22	69.24	4.59
2017/02/14 05:36	1.23	70.42	4.59
2017/02/14 05:51	1.23	78.68	5.13
2017/02/14 06:06	1.30	89.31	5.38
2017/02/14 06:21	1.32	90.90	5.39

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 06:36	1.32	91.87	5.45
2017/02/14 06:51	1.36	107.29	6.08
2017/02/14 07:06	1.40	114.37	6.21
2017/02/14 07:21	1.51	137.08	6.67
2017/02/14 07:36	1.57	151.67	7.01
2017/02/14 07:51	1.57	152.08	7.03
2017/02/14 08:06	1.68	167.78	7.03
2017/02/14 08:21	1.69	174.58	7.23
2017/02/14 08:36	1.69	174.79	7.23
2017/02/14 08:51	1.69	174.79	7.23
2017/02/14 09:06	1.68	172.57	7.23
2017/02/14 09:21	1.68	170.14	7.12
2017/02/14 09:36	1.66	162.99	6.91
2017/02/14 09:51	1.66	163.40	6.92
2017/02/14 10:06	1.54	145.76	6.91
2017/02/14 10:21	1.53	137.57	6.60
2017/02/14 10:36	1.46	127.57	6.55
2017/02/14 10:51	1.46	127.08	6.52
2017/02/14 11:06	1.46	125.76	6.46
2017/02/14 11:21	1.39	111.94	6.16
2017/02/14 11:36	1.39	111.94	6.16
2017/02/14 11:51	1.43	113.89	6.01
2017/02/14 12:06	1.39	108.33	5.97
2017/02/14 12:21	1.36	104.10	5.90
2017/02/14 12:36	1.39	108.33	5.97
2017/02/14 12:51	1.40	110.69	6.01
2017/02/14 13:06	1.40	110.69	6.01
2017/02/14 13:21	1.40	109.93	5.97
2017/02/14 13:36	1.39	108.33	5.96
2017/02/14 13:51	1.39	108.33	5.96
2017/02/14 14:06	1.39	108.33	5.96
2017/02/14 14:21	1.37	106.18	5.93
2017/02/14 14:36	1.30	98.33	5.92
2017/02/14 14:51	1.30	96.74	5.83
2017/02/14 15:06	1.29	91.81	5.61
2017/02/14 15:21	1.29	91.81	5.61
2017/02/14 15:36	1.29	91.81	5.61
2017/02/14 15:51	1.29	91.81	5.61
2017/02/14 16:06	1.34	101.18	5.82
2017/02/14 16:21	1.36	102.71	5.82
2017/02/14 16:36	1.36	103.40	5.86
2017/02/14 16:51	1.37	110.14	6.15
2017/02/14 17:06	1.39	111.74	6.15
2017/02/14 17:21	1.44	119.37	6.21
2017/02/14 17:36	1.44	120.07	6.25

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/14 17:51	1.43	116.60	6.15
2017/02/14 18:06	1.43	118.40	6.25
2017/02/14 18:21	1.44	120.07	6.25
2017/02/14 18:36	1.44	120.07	6.25
2017/02/14 18:51	1.47	124.44	6.30
2017/02/14 19:06	1.44	120.07	6.25
2017/02/14 19:21	1.44	121.04	6.30
2017/02/14 19:36	1.44	122.99	6.40
2017/02/14 19:51	1.44	122.99	6.40
2017/02/14 20:06	1.44	121.39	6.32
2017/02/14 20:21	1.43	119.72	6.32
2017/02/14 20:36	1.43	119.72	6.32
2017/02/14 20:51	1.43	121.25	6.40
2017/02/14 21:06	1.43	119.72	6.32
2017/02/14 21:21	1.44	121.39	6.32
2017/02/14 21:36	1.46	128.61	6.60
2017/02/14 21:51	1.48	132.15	6.60
2017/02/14 22:06	1.48	132.15	6.60
2017/02/14 22:21	1.47	129.58	6.56
2017/02/14 22:36	1.46	121.81	6.25
2017/02/14 22:51	1.44	120.14	6.25
2017/02/14 23:06	1.43	110.90	5.85
2017/02/14 23:21	1.41	109.37	5.85
2017/02/14 23:36	1.36	102.85	5.83
2017/02/14 23:51	1.29	92.01	5.63
2017/02/15 00:06	1.21	73.12	4.93
2017/02/15 00:21	1.15	68.33	4.93
2017/02/15 00:36	1.15	67.08	4.84
2017/02/15 00:51	1.14	65.69	4.82
2017/02/15 01:06	1.12	59.86	4.47
2017/02/15 01:21	1.09	57.57	4.46
2017/02/15 01:36	1.09	55.83	4.33
2017/02/15 01:51	1.09	55.28	4.28
2017/02/15 02:06	1.09	52.78	4.09
2017/02/15 02:21	1.09	51.53	3.99
2017/02/15 02:36	1.09	48.96	3.79
2017/02/15 02:51	1.09	48.96	3.79
2017/02/15 03:06	1.11	49.86	3.79
2017/02/15 03:21	1.11	49.86	3.79
2017/02/15 03:36	1.11	51.81	3.94
2017/02/15 03:51	1.11	49.86	3.79
2017/02/15 04:06	1.09	50.83	3.94
2017/02/15 04:21	1.08	50.14	3.96
2017/02/15 04:36	1.08	50.49	3.99
2017/02/15 04:51	1.07	50.56	4.07

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 05:06	1.07	52.71	4.24
2017/02/15 05:21	1.08	53.68	4.24
2017/02/15 05:36	1.11	56.94	4.34
2017/02/15 05:51	1.11	56.94	4.34
2017/02/15 06:06	1.11	62.57	4.76
2017/02/15 06:21	1.12	65.62	4.90
2017/02/15 06:36	1.15	72.08	5.20
2017/02/15 06:51	1.16	73.61	5.22
2017/02/15 07:06	1.39	107.01	5.89
2017/02/15 07:21	1.46	117.22	6.02
2017/02/15 07:36	1.50	132.43	6.53
2017/02/15 07:51	1.58	144.72	6.60
2017/02/15 08:06	1.59	155.35	7.00
2017/02/15 08:21	1.59	155.35	7.00
2017/02/15 08:36	1.59	155.35	7.00
2017/02/15 08:51	1.59	155.35	7.00
2017/02/15 09:06	1.53	140.07	6.72
2017/02/15 09:21	1.50	135.35	6.67
2017/02/15 09:36	1.50	135.35	6.67
2017/02/15 09:51	1.50	135.35	6.67
2017/02/15 10:06	1.48	133.40	6.66
2017/02/15 10:21	1.46	128.54	6.60
2017/02/15 10:36	1.44	126.81	6.60
2017/02/15 10:51	1.44	123.47	6.43
2017/02/15 11:06	1.44	123.47	6.43
2017/02/15 11:21	1.43	114.31	6.03
2017/02/15 11:36	1.43	114.31	6.03
2017/02/15 11:51	1.44	119.17	6.20
2017/02/15 12:06	1.43	114.17	6.03
2017/02/15 12:21	1.43	112.92	5.96
2017/02/15 12:36	1.39	109.44	6.03
2017/02/15 12:51	1.39	109.44	6.03
2017/02/15 13:06	1.36	105.14	5.96
2017/02/15 13:21	1.34	100.14	5.76
2017/02/15 13:36	1.34	100.14	5.76
2017/02/15 13:51	1.29	92.29	5.65
2017/02/15 14:06	1.33	98.61	5.76
2017/02/15 14:21	1.32	93.19	5.53
2017/02/15 14:36	1.26	87.57	5.53
2017/02/15 14:51	1.26	88.96	5.62
2017/02/15 15:06	1.29	92.50	5.66
2017/02/15 15:21	1.26	88.96	5.62
2017/02/15 15:36	1.25	87.57	5.62
2017/02/15 15:51	1.25	87.57	5.62
2017/02/15 16:06	1.25	88.19	5.66

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/15 16:21	1.29	92.50	5.66
2017/02/15 16:36	1.29	90.14	5.51
2017/02/15 16:51	1.29	90.14	5.51
2017/02/15 17:06	1.29	91.18	5.58
2017/02/15 17:21	1.30	95.35	5.74
2017/02/15 17:36	1.30	95.35	5.74
2017/02/15 17:51	1.32	96.87	5.74
2017/02/15 18:06	1.32	97.71	5.79
2017/02/15 18:21	1.32	100.90	5.98
2017/02/15 18:36	1.33	104.58	6.11
2017/02/15 18:51	1.37	110.28	6.16
2017/02/15 19:06	1.37	113.82	6.36
2017/02/15 19:21	1.37	110.28	6.16
2017/02/15 19:36	1.39	115.97	6.39
2017/02/15 19:51	1.39	115.97	6.39
2017/02/15 20:06	1.41	121.94	6.53
2017/02/15 20:21	1.41	120.90	6.47
2017/02/15 20:36	1.44	124.31	6.47
2017/02/15 20:51	1.44	119.31	6.21
2017/02/15 21:06	1.46	126.04	6.47
2017/02/15 21:21	1.46	126.04	6.47
2017/02/15 21:36	1.46	126.04	6.47
2017/02/15 21:51	1.44	117.78	6.13
2017/02/15 22:06	1.41	114.58	6.13
2017/02/15 22:21	1.39	111.32	6.13
2017/02/15 22:36	1.37	109.72	6.13
2017/02/15 22:51	1.36	107.29	6.08
2017/02/15 23:06	1.36	106.18	6.02
2017/02/15 23:21	1.32	99.93	5.93
2017/02/15 23:36	1.22	83.40	5.53
2017/02/15 23:51	1.19	80.49	5.52
2017/02/16 00:06	1.19	80.49	5.52
2017/02/16 00:21	1.15	71.04	5.13
2017/02/16 00:36	1.15	68.61	4.95
2017/02/16 00:51	1.12	60.90	4.55
2017/02/16 01:06	1.12	60.90	4.55
2017/02/16 01:21	1.11	59.79	4.55
2017/02/16 01:36	1.08	54.79	4.33
2017/02/16 01:51	1.07	53.82	4.33
2017/02/16 02:06	1.07	53.82	4.33
2017/02/16 02:21	1.07	53.61	4.32
2017/02/16 02:36	1.07	53.61	4.32
2017/02/16 02:51	1.08	53.75	4.25
2017/02/16 03:06	1.08	52.36	4.14
2017/02/16 03:21	1.08	52.64	4.16

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 03:36	1.08	52.64	4.16
2017/02/16 03:51	1.08	52.64	4.16
2017/02/16 04:06	1.08	52.64	4.16
2017/02/16 04:21	1.08	52.64	4.16
2017/02/16 04:36	1.08	52.64	4.16
2017/02/16 04:51	1.08	52.64	4.16
2017/02/16 05:06	1.08	53.75	4.25
2017/02/16 05:21	1.08	53.75	4.25
2017/02/16 05:36	1.08	53.75	4.25
2017/02/16 05:51	1.08	55.21	4.36
2017/02/16 06:06	1.12	63.19	4.72
2017/02/16 06:21	1.16	72.01	5.10
2017/02/16 06:36	1.16	72.78	5.16
2017/02/16 06:51	1.19	77.92	5.34
2017/02/16 07:06	1.25	86.67	5.56
2017/02/16 07:21	1.44	118.75	6.18
2017/02/16 07:36	1.54	132.22	6.27
2017/02/16 07:51	1.57	145.28	6.71
2017/02/16 08:06	1.59	149.37	6.73
2017/02/16 08:21	1.59	149.37	6.73
2017/02/16 08:36	1.62	154.79	6.80
2017/02/16 08:51	1.62	157.50	6.92
2017/02/16 09:06	1.59	151.04	6.80
2017/02/16 09:21	1.59	149.03	6.71
2017/02/16 09:36	1.59	152.15	6.85
2017/02/16 09:51	1.55	135.28	6.33
2017/02/16 10:06	1.44	119.31	6.21
2017/02/16 10:21	1.40	114.37	6.21
2017/02/16 10:36	1.40	114.37	6.21
2017/02/16 10:51	1.39	112.78	6.21
2017/02/16 11:06	1.39	111.81	6.16
2017/02/16 11:21	1.39	111.81	6.16
2017/02/16 11:36	1.37	110.21	6.16
2017/02/16 11:51	1.37	110.21	6.16
2017/02/16 12:06	1.37	109.24	6.11
2017/02/16 12:21	1.36	104.44	5.92
2017/02/16 12:36	1.36	106.60	6.04
2017/02/16 12:51	1.34	105.00	6.04
2017/02/16 13:06	1.34	102.92	5.92
2017/02/16 13:21	1.34	104.10	5.99
2017/02/16 13:36	1.34	104.10	5.99
2017/02/16 13:51	1.32	98.12	5.82
2017/02/16 14:06	1.30	96.67	5.82
2017/02/16 14:21	1.29	94.65	5.79
2017/02/16 14:36	1.26	91.11	5.75

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/16 14:51	1.26	91.11	5.75
2017/02/16 15:06	1.25	89.72	5.75
2017/02/16 15:21	1.25	89.17	5.72
2017/02/16 15:36	1.25	89.17	5.72
2017/02/16 15:51	1.25	86.25	5.53
2017/02/16 16:06	1.25	85.35	5.47
2017/02/16 16:21	1.25	85.35	5.47
2017/02/16 16:36	1.25	85.35	5.47
2017/02/16 16:51	1.25	85.35	5.47
2017/02/16 17:06	1.25	85.49	5.48
2017/02/16 17:21	1.26	87.64	5.53
2017/02/16 17:36	1.28	91.11	5.66
2017/02/16 17:51	1.28	91.11	5.66
2017/02/16 18:06	1.29	92.78	5.67
2017/02/16 18:21	1.28	91.32	5.67
2017/02/16 18:36	1.29	95.07	5.82
2017/02/16 18:51	1.29	95.07	5.82
2017/02/16 19:06	1.37	104.10	5.82
2017/02/16 19:21	1.37	109.44	6.12
2017/02/16 19:36	1.39	111.11	6.12
2017/02/16 19:51	1.41	117.22	6.27
2017/02/16 20:06	1.41	117.22	6.27
2017/02/16 20:21	1.41	117.22	6.27
2017/02/16 20:36	1.39	111.11	6.12
2017/02/16 20:51	1.41	114.31	6.12
2017/02/16 21:06	1.43	118.12	6.23
2017/02/16 21:21	1.43	118.12	6.23
2017/02/16 21:36	1.43	115.00	6.07
2017/02/16 21:51	1.43	115.00	6.07
2017/02/16 22:06	1.33	101.94	5.96
2017/02/16 22:21	1.28	89.31	5.55
2017/02/16 22:36	1.28	89.31	5.55
2017/02/16 22:51	1.26	87.78	5.54
2017/02/16 23:06	1.23	84.03	5.48
2017/02/16 23:21	1.23	85.00	5.54
2017/02/16 23:36	1.23	85.00	5.54
2017/02/16 23:51	1.23	85.00	5.54
2017/02/17 00:06	1.21	81.32	5.48
2017/02/17 00:21	1.14	64.17	4.71
2017/02/17 00:36	1.12	62.78	4.69
2017/02/17 00:51	1.12	62.71	4.69
2017/02/17 01:06	1.11	60.42	4.60
2017/02/17 01:21	1.08	52.71	4.16
2017/02/17 01:36	1.08	51.94	4.10
2017/02/17 01:51	1.08	51.94	4.10

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2017/02/17 02:06	1.07	50.97	4.10
2017/02/17 02:21	1.07	49.24	3.96
2017/02/17 02:36	1.07	48.61	3.91
2017/02/17 02:51	1.07	47.64	3.83
2017/02/17 03:06	1.07	47.29	3.81
2017/02/17 03:21	1.07	47.22	3.80
2017/02/17 03:36	1.07	46.87	3.78
2017/02/17 03:51	1.11	47.01	3.58
2017/02/17 04:06	1.11	47.01	3.58
2017/02/17 04:21	1.11	47.01	3.58
2017/02/17 04:36	1.11	47.01	3.58
2017/02/17 04:51	1.11	48.06	3.66
2017/02/17 05:06	1.11	48.06	3.66
2017/02/17 05:21	1.11	48.06	3.66
2017/02/17 05:36	1.11	50.83	3.87
2017/02/17 05:51	1.11	50.83	3.87
2017/02/17 06:06	1.12	57.08	4.27
2017/02/17 06:21	1.12	63.19	4.72
2017/02/17 06:36	1.15	67.29	4.86
2017/02/17 06:51	1.18	71.67	4.99
2017/02/17 07:06	1.33	100.42	5.87
2017/02/17 07:21	1.40	114.37	6.21
2017/02/17 07:36	1.48	129.31	6.46
2017/02/17 07:51	1.50	133.75	6.59
2017/02/17 08:06	1.51	136.04	6.62
2017/02/17 08:21	1.51	135.56	6.59
2017/02/17 08:36	1.54	140.97	6.68
2017/02/17 08:51	1.54	140.97	6.68
2017/02/17 09:06	1.54	140.62	6.67
2017/02/17 09:21	1.54	140.62	6.67
2017/02/17 09:36	1.54	138.12	6.54
2017/02/17 09:51	1.50	132.08	6.51
2017/02/17 10:06	1.50	132.08	6.51
2017/02/17 10:21	1.50	132.08	6.51
2017/02/17 10:36	1.47	128.61	6.51
2017/02/17 10:51	1.47	128.61	6.51
2017/02/17 11:06	1.51	136.04	6.62

Appendix C: Manhole Condition Reports



**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/16/2017	Inspection Time:	11:17AM	MACP LEVEL -1	1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.:	MH-0002
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page:	N/A
Location Comments:				CITY	HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Seal:	1	1) NONE 2) GASKET 3) SILICONE
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/16/2017	Inspection Time:	3:18PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0003
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments	NO CHANNEL JUST A BENCH		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	0		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:40AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0006
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 35TH ST AND HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:46AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0007
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE ACROSS FROM 33RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:54AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0008
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA ACROSS FROM LONGFELLOW			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	BROKEN AND CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	10:23AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0009
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA ACROSS FROM 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	10:28AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0010
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE ACROSS FROM 29TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:15AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0011
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WALK WAY NEXT TO BEACH BETWEEN 35TH AND 34TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	ONE STEP IS MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:27AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0012
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WALKWAY NEXT TO THE BEACH BETWEEN 34TH AND 33RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:33AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0013
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON THE WALKWAY NEXT TO BEACH BETWEEN LONGFELLOW AVE AND 33RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:40AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0014
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON THE WALKWAY NEXT TO THE BEACH BETWEEN LONGFELLOW AVE AND 31ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:45AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0015
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON THE WALKWAY NEXT TO THE BEACH BETWEEN 30TH AND 29TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	11:50AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0016
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON THE WALKWAY NEXT TO THE BEACH 29TH ST AND 29TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	12:43PM	MACP LEVEL -1
Street Name	27TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0021
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT END OF 27TH ST WHERE IT MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	12:47PM	MACP LEVEL -1
Street Name	27TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0022
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF PALM DR AND 27TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	FRAME IS SLIGHTLY OFFSET	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:46AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0023
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PALM DR AND 28TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:23AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0024
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PALM DR AND 29TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH A PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	9:14AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0025
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PALM DR AND 30TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THER METAL WITH PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	8:32AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0026
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PALM DR AND 31ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	10:15AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0027
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	32ND PL MEETS PALM DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE IS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	11:56AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0028
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 33RD PL AND PALM DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		SIDE CHANNEL FEEDING IS APPEARS TO BE CRACKED
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	STEPS I BELIEVE ARE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/2/2017	Inspection Time:	11:59AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0029
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PALM DR AND 34TH PL MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	STEPS I BELIEVE ARE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	12:05PM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0030
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PALM DR AND 35TH PL MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE THERE METAL COATED IN PLASTIC
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:06AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0031
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE MANHATTAN AND 35TH PL MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	B	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:12AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0032
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON SIDEWALK NEXT TO HOME			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:22AM	MACP LEVEL -1
Street Name	34TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0033
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 34TH ST AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACKED, CONCRETE MISSING
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACKED
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		DETERIORATING
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:33AM	MACP LEVEL -1
Street Name	34TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0034
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments	DETERIORATING	
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	DETERIORATING	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:39	MACP LEVEL -1
Street Name	HIGHLAND AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0035
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:44AM	MACP LEVEL -1
Street Name	HIGHLAND AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0036
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:46AM	MACP LEVEL -1
Street Name	HIGHLAND AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0036A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HIGHLAND AVE AND 34TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING SLIGHTLY
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	BOTTOM STEP CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	10:02AM	MACP LEVEL -1
Street Name	34TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0037
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	34TH ST NEAR MORNINGSIDE DR.			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		TOP OF LINE, NO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:51AM	MACP LEVEL -1
Street Name	HIGHLAND AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0038
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HIGHLAND AVE NEAR 33RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	12:12PM	MACP LEVEL -1
Street Name	34TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0039
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	34TH PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		DETERIORATING
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	9:54AM	MACP LEVEL -1
Street Name	34TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0040
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 34TH PL MEETS HIGHLAND AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL, TOP OF LINE
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	11:52	MACP LEVEL -1
Street Name	33RD PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0041
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	33RD PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACKS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		DETERIORATING
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	11:47AM	MACP LEVEL -1
Street Name	33RD PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0042
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HIGHLAND AVE AND 33RD PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	10:04AM	MACP LEVEL -1
Street Name		Survey By:	A.SOUZA	MH/ACCESS #.: MH-0043
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	32ND PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACKED
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	9:52AM	MACP LEVEL -1
Street Name	32ND PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0044
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	32ND PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	9:35AM	MACP LEVEL -1
Street Name	32ND PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0045
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS AND BRICK HOLE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	8:08AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0047
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	31ST PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	B	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	7:59AM	MACP LEVEL -1
Street Name	31ST PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0048
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	9:05AM	MACP LEVEL -1
Street Name	30TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0049
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	30TH PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	8:58AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0050
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	30TH PL AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED STEP
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	8:47AM	MACP LEVEL -1
Street Name	30TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0051
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:17AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0052
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	29TH CT AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:11AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0053
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:39AM	MACP LEVEL -1
Street Name	28TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0054
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	28TH CT AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	1:35PM	MACP LEVEL -1
Street Name	28TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0055
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:01AM	MACP LEVEL -1
Street Name	33RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0060
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 33RD ST AND INGLESIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments	MH IS LINED UP WITH MAP BUT MH LID SAYS MANHATTAN BEACH NOT HERMOSA BEACH	

**INNERLINE ENGINEERING CITY OF:: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	8:53AM	MACP LEVEL -1
Street Name	33RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0061
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO DRIVEWAY AND WALK WAY ON PRIVAT PROPERTY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	1:17PM	MACP LEVEL -1
Street Name	33RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0062
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	MISSING BRICK	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	MISSING BRICK	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	1:14PM	MACP LEVEL -1
Street Name	VISTA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0063
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	8:30AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0070
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	LONGFELLOW AVE AND INGLESIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	B	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	POSSIBLY METAL COATED WITH PLATIC
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	1:20PM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0071
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF LONGFELLOW AVE AND INGLESIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	1:05PM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0072
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF LONGFELLOW AVE AND VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	B	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACK
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACK
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	12:53AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0073
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF VALLEY DR AND 31ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	STEPS CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	9:49AM	MACP LEVEL -1
Street Name	BOUNDARY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0074
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BOUNDARY PL JUST BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	9:33AM	MACP LEVEL -1
Street Name	BOUNDARY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0075
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF THE STREET ON BOUNDARY PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	9:20AM	MACP LEVEL -1
Street Name	BOUNDARY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0076
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BOUNDARY PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	9:10AM	MACP LEVEL -1
Street Name	BOUNDARY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0077
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BOUNDARY PL JUST BELOW PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	7:43AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0078
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF LONG FELLOW AVE AND ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	7:53AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0079
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	IN THE GRASS NEXT TO SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition: 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material: 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps: 1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	11:22AM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0081
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY BETWEEN LONGFELLOW AVE AND 3TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		FRAME HAS BEEN RAISED WITH CONCRETE RINGS AND LOOKS LIKE A ADJUSTMENT RING.

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	11:29AM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0081A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	IN ALLEY BETWEEN LONGFELLOW AVE AND 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	10:17AM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0082
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY BETWEEN LONGFELLOW AVE AND 30TH ST AND ABOVE TENNYSON PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED 1 MISSING
General Comments		SURFACE HAS BOTH CONCRETE AND ASPHALT

**INNERLINE ENGINEERING CITY OF:: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	10:08AM	MACP LEVEL -1
Street Name	TENNYSON PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-082A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON TENNYSON PL BETWEEN 30TH AND LONGFELLOW			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	11:10AM	MACP LEVEL -1
Street Name	PACIFIC COAST HWY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0083
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR SIDEWALK ON PCH AND AN ALLEY BETWEEN 30TH AND LONGFELLOW			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	CORRODED PIPE RUNNING THROUGH IT	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED 1 MISSING
General Comments	SURFACE IS BOTH CONCRETE AND ASPHALT	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	8:44AM	MACP LEVEL -1
Street Name	PACIFIC COAST HWY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0084
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF PCH AND LONGFELLOW			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	BROKEN CONCRETE AND BRICK	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	8:33AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0085
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO SIDEWALK IN A GRASS PATCH ON LONGFELLOW AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	3	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	8:05AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0086
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO DRIVEWAY NEAR SIDEWALK OFF OF LONGFELLOW AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments		LOOKS LIKE EXTRA CONCRETE FELL ON BENCH	
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
	# of Steps 1		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	9:22AM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0088
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF LONGFELLOW AND MORNINGSIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACKS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACKS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	12:20PM	MACP LEVEL -1
Street Name	LONGFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0089
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment	CRACKED		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment	CRACKED		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments	NO CHANNEL		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	0		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	12:32PM	MACP LEVEL -1
Street Name	MORNINGSIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0090
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MORNINGSIDE DR AND 33RD PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		DETERIORATING
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/20/2017	Inspection Time:	12:25PM	MACP LEVEL -1
Street Name	33RD PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0091
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	33RD PL AND HIGHLAND AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL, TOP OF LINE
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	10:44am	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0101
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 25TH ST AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	12:15PM	MACP LEVEL -1	
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #:	MH-0101A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page:	N/A
Location Comments:	INTERSECTION OF 25TH ST AND PALM DR			CITY	HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:41PM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0103
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MYRTLE AVE AND 25TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	11:22AM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0104
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF SILVERSTRAND AND 25TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		ROOTS
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	11:35AM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0105
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:53PM	MACP LEVEL -1
Street Name	MYRTLE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0108
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	SMALL CRACKS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:46PM	MACP LEVEL -1
Street Name	MYRTLE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0108A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:28PM	MACP LEVEL -1
Street Name	MYRTLE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0109
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO SCHOOL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:16PM	MACP LEVEL -1
Street Name	MYRTLE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0111
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MYRTLE AVE AND 26TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	CRACKS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	CRACKS	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	CRACKS	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	4:01PM	MACP LEVEL -1
Street Name	OZONE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0112
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	LIGHT CRACKS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	DROP CONNECTIONS IN MH	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	2:06PM	MACP LEVEL -1
Street Name	OZONE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0113
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	OZONE CT AND 27TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	2:15PM	MACP LEVEL -1
Street Name	27TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0114
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED AND PART OF IT MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	2:00PM	MACP LEVEL -1
Street Name	OZONE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-015
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	10:47AM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0121
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MANHATTAN AVE AND 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	10:35AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0121A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON MANHATTAN AVE JUST BELOW 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	1:29PM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0122
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 16TH AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED AND 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:20PM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0123
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 16TH AND LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	1:37PM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0123A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 16TH ST AND MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		CHIMNEY AND CONE ARE OFFSET

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:26PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0124
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF LOMA DR ABOVE 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:33PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0125
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST ABOVE OAK ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	12:01PM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0126
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BAYVIEW DR JUST BELOW 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	1:21PM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0126A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BAYVIEW DR BETWEEN 19TH AND 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:55AM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0127
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 19TH ST AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:42AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0128
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE BAYVIEW DR AND CIRCLE DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	3	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:59AM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0129
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BAYVIEW DR AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:21AM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0130
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 19TH AND LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:28AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0131
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR FIRST MH ABOVE 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:33AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0132X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR BETWEEN 19TH ST AND PARK AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		MH IS LOCATED ON DRIVEWAY

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:18AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-133X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR BELOW 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:36AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0134
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BAYVIEW DR BETWEEN 16TH ST AND PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA AVE
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:16AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0141
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PIER AVE AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:22AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0141A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:28AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0142
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PIER AVE AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:31AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0142A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PIER AVE AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:23AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0143X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF BAYVIEW DR BETWEEN PIER AVE AND 10TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	6:45PM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0152
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE THERE METAL WITH A PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:08AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0153
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MONTEREY BLVD AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:11AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0153B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MONTEREY BLVD AND 6TH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments	I BELIEVE THERE METAL WITH A PLASTIC COATING	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:46AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0153C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:03AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0154
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AND 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:52AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0154A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:57AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0155
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE THERE METAL WITH PLASTIC
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	4:05AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0156
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	8:11AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0157
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF LOMA AND SUNSET DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	8:16AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0158
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF LOMA DR BETWEEN 8TH AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	8	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:17AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0159
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST ABOVE 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	7:46AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0160
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST BELOW 115TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CANT OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	7:50AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0160A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	LOMA DR JUST BELOW 11TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	7:56AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0160B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST BELOW 10TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	8:06AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0161
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST BELOW 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:23AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0163B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM BETWEEN 21ST ST AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:21PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0170
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF HERMOSA AVE AND HERONDO ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	12:40PM	MACP LEVEL -1
Street Name	HERONDO ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0172
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERONDO ST ON SIDEWALK JUST BELOW PALM DR BEFORE HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	12:44PM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0173
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PALM DR AND 1ST CT MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	12:56PM	MACP LEVEL -1
Street Name	1ST CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0174
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST CT NEAR MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:101PM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0175
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR JUST BEFORE 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		PIPE RUNNING THROUGH MH

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	12:34PM	MACP LEVEL -1
Street Name	HERONDO ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0176
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERONDO ST JUST AFTER MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	6:18PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0201
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:03PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0202
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST ST BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	12:59PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0203
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST ST WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	10:22AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0204
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF PCH AND 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACKS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	12:54PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0204A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST ST THE FIRST MH WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	10:29AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0205
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PCH AND 1ST ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	2:53AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0206
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 3	CORROSION MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	11:08AM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0207
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST FIRST MH EAST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition: 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material: 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps: 3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	11:02AM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0208
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST IT'S THE SECOND MH EAST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:55AM	MACP LEVEL -1
Street Name	2N ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0209
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 2ND ST BETWEEN PROSPECT AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:52AM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0210
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	3RD MH GOING WEST FROM PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	MISSING BRICK	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:09AM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0211
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST SECOND MH WEST OF PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:05AM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0212
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST JUST BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		TROUGH FILLED WITH DIRT POSSIBLY BECAUSE ITS NO LONGER USED OR CAPPED OFF

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	11:36AM	MACP LEVEL -1
Street Name	1ST PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0213
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 1ST PL AND BARNEY CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	1:26PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0214
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 1ST ST AND BARNEY CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	1:31PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0215
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST ST BETWEEN BARNEY CT AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	1:37PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0216
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 1ST ST AND PROSPECT AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		FLOWING ONTO BENCH
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	11:29AM	MACP LEVEL -1
Street Name	1ST PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0217
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 1ST PL BETWEEN BARNEY CT AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED AND ONE IS MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	11:24PM	MACP LEVEL -1
Street Name	1ST PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0218
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST PL BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	2:57AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0219
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments	NO CHANNEL		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	2		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	1:51PM	MACP LEVEL -1
Street Name	1ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0220
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 1ST ST BETWEEN PCH AND MEYER CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	1:19PM	MACP LEVEL -1
Street Name	MEYER CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0221
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE MEYER CT AND 1ST ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		SURFACE IS ASPHALT AND CONCRETE

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:27PM	MACP LEVEL -1
Street Name	MEYER CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0222
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MEYER CT JUST BELOW 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	6:26PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0223
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	12:49PM	MACP LEVEL -1
Street Name	1ST PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0224
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 1ST PL BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:10PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0225
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ARDMORE AVE JUST BELOW 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		HOLE
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:09PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0231
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:03PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0232
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:18PM	MACP LEVEL -1
Street Name	HILL ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0232A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF HILL ST ON SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		NO CONE
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	4:57PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0233
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	4:52PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0234
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	4:46PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0235
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	1	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments	EROSION		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	1	CORROSION	
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:15PM	MACP LEVEL -1
Street Name	HILL ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0236
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF CULDISAC ON HILL ST ON SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:58AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0241
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT THE END OF 3RD ST ON CULDISAC BETWEEN VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:25AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0242
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 3RD ST WEST OF ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:21AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0243
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST WHERE 3RD MEETS ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:31AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0244
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:34AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0245
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD EAST OF ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:37AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0246
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST BETWEEN PCH AND ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	ROOTS	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	9:41AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0247
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:56PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0248
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	10:50AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0249
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PCH ACROSS FROM 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	10:55AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0250
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PCH AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	11:07AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0251
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PCH AND 5TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	4:35PM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0252
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	3	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:56AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0253
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	5TH ST AND PINE ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:50AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0254
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	5TH ST AND HOPKINS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	8:04AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0255
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	5TH AND HOPKINS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:51AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0256
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND 5TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	9:30AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0257
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF PROPECT AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	2:17PM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0258
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 6TH ST JUST PAST GENTRY ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:48AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0259
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:36AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0260
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND GENTRY ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:12AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0261
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND HOLLOWELL AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:08AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0262
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PROSPECT AVE AND HOLLOWELL AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:18AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0263
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND MASSEY ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:22AM	MACP LEVEL -1
Street Name	MASSEY ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0265
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF MASSEY ST BETWEEN PROSPECT AVE AND 5TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:26AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0266
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF MASSEY AND 5TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:31AM	MACP LEVEL -1
Street Name	HOLLOWELL AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0268
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HOLLOWELL AVE AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	8:42AM	MACP LEVEL -1
Street Name	GENTRY ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0269
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF GENTRY ST BETWEEN PROSPECT AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:45AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0270
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	5TH ST EAST OF HOPKINS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	8:11AM	MACP LEVEL -1
Street Name	HOPKINS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0272
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HOPKINS AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	8:19AM	MACP LEVEL -1
Street Name	HOPKINS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0274
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HOPKINS AVE BETWEEN 3RD ST AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	2:05PM	MACP LEVEL -1
Street Name	OCEAN VIEW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0275
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE OCEAN VIEW AVE AND 4TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	2:02PM	MACP LEVEL -1
Street Name		Survey By:	A.SOUZA	MH/ACCESS #.: MH-0276
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	2:09PM	MACP LEVEL -1
Street Name	OCEAN VIEW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0277
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	OCEAN VIEW AVE JUST BEFORE 5TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	10:44AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0278
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PCH AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:42AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0279
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST FIRST MH GOING EAST FROM PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:36AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0280
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST JUST BEFORE HOPKINS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:46AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0281
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 3RD ST JUST BEFORE GENTRY ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:42AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0282
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 3RD ST AND GENTRY ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:51AM	MACP LEVEL -1
Street Name	3RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0283
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 3RD ST AND HOLLOWELL MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		FRACTURE
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:56AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0284
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	10:00AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0285
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE JUST ABOVE 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:17AM	MACP LEVEL -1
Street Name		Survey By:	A.SOUZA	MH/ACCESS #.: MH-0285A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/13/2017	Inspection Time:	9:37AM	MACP LEVEL -1
Street Name	GENTRY ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0286
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON GENTRY RIGHT BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:46PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0287
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:37PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0288
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:30PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0289
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	11:14AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0290
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:26AM	MACP LEVEL -1
Street Name	GRAVELY CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0291
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF GRAVELY CT BELOW 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:22PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0295
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	EROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:33PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0296
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	1	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:07AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0296A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 4TH ST FIRST MH EAST OF ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:37PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0297
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
	# of Steps 2	CORROSION MISSING	
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	1:05PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0298
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:30AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0299
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	FIRST MH ON 5TH ST EAST OF ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:26AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0300
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON A DRIVEWAY ON 5TH ST BETWEEN ARDMORE AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:21AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0301
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK ON 5TH ST BETWEEN ARDMORE AVE AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:18AM	MACP LEVEL -1
Street Name	5TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0302
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK ON 5TH ST JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACKED AND HOLE
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:11AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0303
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 4TH ST BETWEEN ARDMORE AVE AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	10:13AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0304
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 4TH ST JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:34AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0311
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	3	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:50AM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0312
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS BELOW 6TH ST NEXT TO SOUTH PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:55AM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0313
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		BENCH COMPLETELY COVERED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:59AM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0316
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 6TH ST NEAR VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:37PM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0320
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:24AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0321
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:47AM	MACP LEVEL -1
Street Name	20TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0322
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:52AM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0323
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:27AM	MACP LEVEL -1
Street Name	HARPER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HARPER AVE AND 19TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED PARTS OF TROUGH MISSING
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:35AM	MACP LEVEL -1
Street Name	HARPER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HARPER AVE JUST BELOW 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:39AM	MACP LEVEL -1
Street Name	HARPER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	2ND MH BELOW 19TH ST ON HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:44AM	MACP LEVEL -1
Street Name	HARPER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HARPER AVE NEAR ORMOND LN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:48AM	MACP LEVEL -1
Street Name	HARPER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324D
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HARPER AVE JUST ABOVE ORMOND LN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	8:05AM	MACP LEVEL -1
Street Name	17TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324E
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 17TH ST JUST PAST GOLDEN ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	8:08AM	MACP LEVEL -1
Street Name	17TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0324F
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 17TH ST JUST PAST GOLDEN ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:21AM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0325
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 19TH ST BETWEEN HARPER AVE AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	7:16AM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0326
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 19TH ST BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:58AM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0327
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	10:03AM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0328
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 20TH ST NEAR PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:40AM	MACP LEVEL -1
Street Name	20TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0329
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	JUST ABOVE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:19AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0330
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	JUST ABOVE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	12:38PM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0501
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	15	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	12:14PM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0504
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 20TH AND POWER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	12:18PM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0504A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 20TH AND POWER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		FRAME AND CHIMNEY ARE OFFSET

**INNERLINE ENGINEERING CITY OF:: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	12:28PM	MACP LEVEL -1
Street Name	POWER ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0504B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON POWER ST JUST BELOW 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOT (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	12:40PM	MACP LEVEL -1
Street Name	POWER ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0504C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SMALL SIDE ROAD JUST BELOW 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	11:57AM	MACP LEVEL -1
Street Name	POWER ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0505
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF POWER AND 21ST S			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	12:03PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-050A 505A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 21ST ST SOUTH WEST OF POWER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	FRAME AND CHIMNEY OFFSET	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:29PM	MACP LEVEL -1
Street Name	POWER ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0506
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HALF ON STREET AND DRIVEWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:23PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0507
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 24TH ST AND POWER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		LOOKS ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		LOOKS ERODED
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:12PM	MACP LEVEL -1
Street Name	24TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0508
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments	ERODED	
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	ERODED	
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:39PM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0509
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF HOME OWNERS DRIVEWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		FRAME SLIGHTLY OFFSET

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:48PM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0510
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK BETWEEN TWO DRIVEWAYS			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:23AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0512
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	3	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	9	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:27AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0512A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	10	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		FRAME SLIGHTLY OFF SET

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:17AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0513
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR BENCHES AND BBQ PITS AT VALLEY PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments		ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments		ERODED	
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments		ERODED	
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
	# of Steps 1	MISSING	
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:07AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0514
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	7:43AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0515
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments	SMALL ROOTS AND LIGHT CRACKS		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments	ERODED		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments	ERODED		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	2	CORRODED MISSING	
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	10:14AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0517
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	29TH CT AND INGLESIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	12:27PM	MACP LEVEL -1
Street Name	INGLESIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0518
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF INGLESIDE DR AND 29TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	STEP IS CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	12:34PM	MACP LEVEL -1
Street Name	INGLESIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0519
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF INGLESIDE DR AND 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE ITS METAL WITH PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	12:44PM	MACP LEVEL -1
Street Name	INGLESIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0520
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF INGLESIDE DR AND 31ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	11:13AM	MACP LEVEL -1
Street Name	MORNINGSIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0521A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MORNINGSIDE AND 31ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE IT METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/21/2017	Inspection Time:	12:12	MACP LEVEL -1
Street Name	MORNINGSIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0522A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MORNINGSIDE DR AND 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE THER METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	9:31AM	MACP LEVEL -1
Street Name	MORNINGSIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0523
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MORNINGSIDE DR AND 29TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	9:39AM	MACP LEVEL -1
Street Name	29TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0524
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition		1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	10:22AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0526
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	10:28AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0526A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	10:42AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0527
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	10:49AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0528
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	29TH CT AND MORNINGSIDE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	11:08AM	MACP LEVEL -1
Street Name	29TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0529
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	0		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	1:19PM	MACP LEVEL -1
Street Name	28TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0530
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 28TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	3	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	APPEARS TO HAVE A LINER	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	APPEARS TO HAVE A LINER	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	APPEARS TO HAVE A LINER	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	1:11PM	MACP LEVEL -1
Street Name	28TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0531
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MORNINGSIDE DR AND 28TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	1:29PM	MACP LEVEL -1
Street Name	28TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0532
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	7:26AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0533
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK NEAR WALK WAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	2:37PM	MACP LEVEL -1
Street Name	MORNINGSIDE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0534
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO PARK IN GRASS			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	3	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACK
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		DETERIORATING
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		DETERIORATING
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	2:20PM	MACP LEVEL -1
Street Name	27TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0535
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	7:58AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0537
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF PARK BY GOULD AVE AND VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	1:12PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0538
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND GOULD AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	1:17PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0539
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND GOULD AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	4:22AM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0540
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK ON GOULD AVE BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	LIGHT ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	LIGHT ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	4:08AM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0541
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR SIDEWALK ON GOULD AVE BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments	SURFACE IS PLANTS AND TREES	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	4:01PM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0542
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR SIDEWALK IN GRASS ON GOULD AVE JUST BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	E	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	3:42PM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0543
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT GOULD AVE AND EL OESTE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	1:25PM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0544
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON GOULD AVE BETWEEN EL OESTE DR AND PCH AT THE END OF THE ALLEY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	1:17PM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0544A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON GOULD AVE FIRST MH WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	A	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	3:09PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0545
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	IN ALLEY BETWEEN PCH AND EL OESTE DR NEAR PARKING STRUCTURE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:58PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0546
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY BETWEEN PCH AND EL OESTE DR NEAR ROUND TABLE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:41PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0547
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY BETWEEN PCH AND LA CARLITA ST IN A BUSINESS PARKING AREA			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments	SURFACE IS ASPHALT AND CONCRETE	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:31PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0548
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY WERE IT MEETS 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:05PM	MACP LEVEL -1
Street Name	LA CARLITA ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0549
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LA CARLITA ST JUST BEFORE 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:11PM	MACP LEVEL -1
Street Name	MARLITA ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0550
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MARLITA ST AND L A CARLITA ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	3:17PM	MACP LEVEL -1
Street Name	EL OESTE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0551
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF EL OESTE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	3:23PM	MACP LEVEL -1
Street Name	EL OESTE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0552
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF CULDISAC ON EL OESTE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	1:07PM	MACP LEVEL -1
Street Name	GOULD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0553
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	OFF GOULD AVE AND ARDMORE AVE ON EASMENT BY THE CORNER			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	3:51PM	MACP LEVEL -1
Street Name	GOULD TER	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0554
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF THE STREET ON GOULD TER			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:49PM	MACP LEVEL -1
Street Name	TENNYSON PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0561
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF THE STREET ON TENNYSON PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:42PM	MACP LEVEL -1
Street Name	TENNYSON PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0562
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF TENNYSON PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:32PM	MACP LEVEL -1
Street Name	TENNYSON PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0563
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON TENNYSON PL JUST BELOW 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	8	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:17PM	MACP LEVEL -1
Street Name	AMBY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0564
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON AMBY PL JUST BELOW BRAEHOLM PL 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:10PM	MACP LEVEL -1
Street Name	AMBY PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0565
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF AMBY PL JUST BELOW 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	12:57PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0566
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON ARDMORE AVE FIRST MH NORTH OF GOULD AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	11:39AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0567
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	11:51AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0567A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ARDMORE AVE JUST BELOW 30TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	11:48PM	MACP LEVEL -1
Street Name	HERMOSA VIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0569
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA VIEW DR 3RD HOUSE DOWN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	12:00PM	MACP LEVEL -1
Street Name	HERMOSA VIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0570
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT THE END OF THE CULDISAC ON HERMOSA VIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	2:01PM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0575
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	OFF OF VALLEY DR IN PARKING LOT OF ROTARY CLUB			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	1:55PM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0576
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON SIDEWALK OFF VALLEY DR IN FRONT OF ROTARY CLUB			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:46AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0582
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK NEAR RAIL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	8:37AM	MACP LEVEL -1
Street Name	VALLEY PARK	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0582A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	EDGE OF VALLEY PARK NEAR HOMES			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THER METAL WITH A PLASTIC COATING
General Comments		FRAME IS LOOSE IT MOVES

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:00PM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0584
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF STREET NEXT TO SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED BROKEN
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:31PM	MACP LEVEL -1
Street Name	24TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0589
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 24TH PL NEAR VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:20PM	MACP LEVEL -1
Street Name	24TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0589A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 24TH PL JUST BELOW VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:36PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0590
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 24TH ST NEAR POWER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	2:00PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0591
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HOME OWNERS PROPERTY ON WALKWAY NEXT TO DRIVEWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:58PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0591A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE SIDEWALK ENDS AND MEETS WITH TREE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CANT OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	NA	
General Comments	CANT OPEN MH DUE TO TREE ROOTS AND BRANCHES BLOCKING IT FROM BEING OPENED	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	12:15PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0593
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 24TH ST JUST BELOW VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	11:48AM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0594
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST ST JUST BELOW VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	ONE STEP IS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	1:55PM	MACP LEVEL -1
Street Name	20TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0595
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 20TH STJUST BELOW VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		APPEARS TO BE NO CHANNEL
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	3 STEPS YOU CAN SEE AND ONE LOOKS LIKE ITS MISSING DUE TO CORRSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:19PM	MACP LEVEL -1
Street Name	VALLEY PARK AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0596
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON VALLEY PARK AVE BELOW 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:14PM	MACP LEVEL -1
Street Name	VALLEY PARK AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0597
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF VALLEY PARK AVE AND 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:31PM	MACP LEVEL -1
Street Name	VALLEY PARK AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0598
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON VALLEY PARK AVE JUST ABOVE 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	11:04AM	MACP LEVEL -1
Street Name	VALLEY PARKS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0599
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON VALLEY PARKS AVE JUST BELOW 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:08PM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0600
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN VALLEY PARK AVE AND VALLEY DR ON 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:02PM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0601
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 18TH ST JUST BELOW VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	1:36PM	MACP LEVEL -1
Street Name	HERMOSA VALLEY SCHOOL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0603
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON SCHOOL PROPERTY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	8	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	2:18PM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0604
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	FIRST MH JUST BELOW 18TH ST ON VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	1	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	2:29PM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0606
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE VALLEY DR AND PIER AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	12	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:23AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0607
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:28AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0608
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:26AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0609
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:33AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0609A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps		
General Comments	MH LID IS STUCK	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:19AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0610
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:13AM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0611
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	1:42PM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0612
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	HOLE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	1:52PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0613
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:03AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0614
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/17/2017	Inspection Time:	12:00PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0615
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PCH BETWEEN 8TH ST AND 8TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	MISSING CORRODED OFF
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:36AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0629
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	12:40PM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0631
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 11TH PL AND PROSPECT AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:31AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0632
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF BUILDING			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	12:55PM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0633
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PROSPECT AVE AND 11TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	10:30AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0634
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PROSPECT AVE AND 10TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	CRACKS	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	CRACKS	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	10:23AM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0635
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 10TH ST BETWEEN HARPER AVE AND PROPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	12:50PM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0637
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 11TH ST BETWEEN PROSPECT AVE AND HARPER AVE.			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	LOOKS LIKE THERE WAS A REPAIR DONE IN THE MH WITH BRICK	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	12:46PM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0638
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH ST WHERE 11TH MEET HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	12:34PM	MACP LEVEL -1
Street Name	11TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0639
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 11TH PL BETWEEN PROSPECT AVE AND HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:52AM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0643
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 10TH ST JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:59AM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0644
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 10TH ST BETWEEN PCH AND OCEAN DR CLOSER TO OCEAN DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	10:05AM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0645
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 10TH BETWEEN OCEAN DR AND OWOSSO AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	10:12AM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0646
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 10TH AND PROSPECT AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:09PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0648
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:13PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0648A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH ST SECOND MH FROM OCEAN DR GOING TO PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:20PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0649
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH ST NEXT TO OCEAN DR GOING TOWARDS PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:26PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0650
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH ST BETWEEN OCEAN DR AND OWOSSO AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:43PM	MACP LEVEL -1
Street Name	9TH	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0651
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH ST WHERE 9TH MEET PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	1:50PM	MACP LEVEL -1
Street Name	OCEAN DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0653
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OCEAN DR BETWEEN 9TH ST AND 8TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:19PM	MACP LEVEL -1
Street Name	OCEAN DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0656A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OCEAN DR BETWEEN 8TH PL AND 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:32AM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0662
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 6TH ST JUST BEFORE PROPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:41PM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0662A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 6TH AND PINE ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	7:36AM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0663
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	A SMALL STREET BETWEEN 6TH AND 7TH ST OFF OF 6TH ST BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	3:09PM	MACP LEVEL -1
Street Name	7TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0667
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH ST BETWEEN PROSPECT AVE AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:45PM	MACP LEVEL -1
Street Name	7TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0669
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH ST AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:54PM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0670
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	8TH AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:39PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0671
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AND 9TH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:46PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0673
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 9TH ST BETWEEN PROSPECT AND HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:58PM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0675
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH ST BETWEEN PROSPECT AND HARPER AVE, CLOSER TO PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	3:02PM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0676
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH ST BETWEEN PROSPECT AVE AND HARPER AVE, CLOSER TO HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:29PM	MACP LEVEL -1
Street Name	7TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0677
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH ST EAST OF PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED AND MISSING
General Comments		FRAME IS OFFSET

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:33PM	MACP LEVEL -1
Street Name	7TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0678
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH ST BETWEEN PROSPECT AVE AND GOODMAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	FRAME IS OFFSET. ON DRIVEWAY	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:51PM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0679
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PROSPECT AVE AND 7TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL, DOESN'T FLOW CORRECTLY
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	1:56PM	MACP LEVEL -1
Street Name	7TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0680
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH PL WHERE 7TH AND HOLLOWELL AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	2:03PM	MACP LEVEL -1
Street Name	7TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0681
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT 7TH PL AND REYNOLDS LN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACKS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	2:07PM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0682
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	6TH ST AND REYNOLDS LN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	2:11PM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0683
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	6TH ST AND HOLLOWELL AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:32PM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0685
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PROSPECT AVE JUST BELOW 8TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	2:28PM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0686
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PROSPECT AVE JUST BELOW 9TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:16PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0687
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:07PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0687A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:03PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0687B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	2:00PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0687C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	5:47PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0688
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORROSION MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	11:31AM	MACP LEVEL -1
Street Name	8TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0688A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH PL JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	11:25AM	MACP LEVEL -1
Street Name	8TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0688B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH PL JUST BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	11:23AM	MACP LEVEL -1
Street Name	8TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0688C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH PL JUST BEFORE ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	11:33AM	MACP LEVEL -1
Street Name	8TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0688D
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH PL JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:42AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0689
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:38AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0690
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:28AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0691
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:24AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0692
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:25PM	MACP LEVEL -1
Street Name	11TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0693
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH PL NEAR PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	PIECES OF BRICK MISSING	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:30PM	MACP LEVEL -1
Street Name	11TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0693B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH PL SECOND MH WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:58AM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0694
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:37PM	MACP LEVEL -1
Street Name	10TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0695
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 10TH ST JUST WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:44PM	MACP LEVEL -1
Street Name	9TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0696
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 9TH ST JUST WEST OF PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	1:25PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0697
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	1:13PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0698
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:57PM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0699
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 6TH ST BETWEEN ARDMORE AVE AND PCH CLOSER TO PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	2:50PM	MACP LEVEL -1
Street Name	7TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0700
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 7TH ST EAST OF ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:22AM	MACP LEVEL -1
Street Name	VALLEY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0701
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:24AM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0702
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH ST BETWEEN BARD ST AND CYPRESS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		FRAME IS OFFSET

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:41AM	MACP LEVEL -1
Street Name	BARD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0703A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF BARD ST ABOVE 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		ON DRIVEWAY

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:26AM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0704
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF CYPRESS AVE NEAR CLARK STADIUM			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	B	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:30AM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0705
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF CYPRESS NEAR CLARK STADIUM			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:28AM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0706
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS AVE JUST ABOVE 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	7:37AM	MACP LEVEL -1
Street Name	BARD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0707
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BARD ST JUST ABOVE 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:10PM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0708
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH ST NEAR CYPRESS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:16PM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0709
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE CYPRESS AVE AND 11TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:19PM	MACP LEVEL -1
Street Name	11TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0710
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH ST NEAR LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:41AM	MACP LEVEL -1
Street Name	BARD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0711
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:44AM	MACP LEVEL -1
Street Name	BARD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0712
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:47AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0713
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:51AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0714
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PIER AVE AND CYPRESS AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:59AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0715
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PIER AVE AND LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	7:35AM	MACP LEVEL -1
Street Name		Survey By:	A.SOUZA	MH/ACCESS #.: 0716X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	7:41AM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0717
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR JUST ABOVE 11TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	CRACK	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	CRACK	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	ERODED	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:29PM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0718
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS AVE JUST BELOW PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING PART OF STEP
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:25PM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0719
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS AVE JUST ABOVE 11TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	3:32PM	MACP LEVEL -1
Street Name	CYPRESS AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0720
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CYPRESS AVE JUST BELOW PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED PART MISSING
General Comments		CONCRETE AND ASPHALT FOR SURFACE

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	2:07PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0722
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	2:38PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: 723
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON ARDMORE JUST ABOVE 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	2:44PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0724
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON ARDMORE JUST BELOW AN ALLEY BELOW 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	2:50PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0725
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	JUST BELOW 21ST ST ACROSS FROM ALLEY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	2:56PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0726
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF ARDMORE AVE AND 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACK
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:23AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0727
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:29AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0728
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	EROSION	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:32AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0729
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:38AM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0730
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition		1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/16/2017	Inspection Time:	1:32PM	MACP LEVEL -1
Street Name	ARDMORE AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0731
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF PORTER LN AND ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	1	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACK
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		CRACK
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/27/2017	Inspection Time:	11:30AM	MACP LEVEL -1
Street Name	PORTER LN	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0732
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF PORTER LN ABOVE ARDMORE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/27/2017	Inspection Time:	11:41AM	MACP LEVEL -1
Street Name	PORTER LN	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0732A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF PORTER LN JUST BELOW PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/27/2017	Inspection Time:	11:47AM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0734
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF 25TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:18AM	MACP LEVEL -1
Street Name	24TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0735
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN ARDMORE AVE AND PCH ON 24TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	NO STEPS
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:19PM	MACP LEVEL -1
Street Name	24TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0736
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL TOP OF LINE	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:30AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0737
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 24TH ST BETWEEN PCH AND ARDMORE AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	LIGHT ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:36AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0738
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 24TH ST JUST BELOW PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	NO STEPS
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	10:49AM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0739
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST AND AVA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	58/31/17	Inspection Time:	11:44PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #: MH-0740
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		UNKNOWN OBJECT IN HOLE OF WALL
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	1	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED OFF MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:23PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0741
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:14PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0742
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 24TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	4:46AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0743
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	11:04AM	MACP LEVEL -1
Street Name	AVA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0744
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF AVA AVE ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		LIGHT ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	NO STEPS
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:57AM	MACP LEVEL -1
Street Name	SPRINGFIELD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0745
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF SPRINGFIELD AVE BELOW 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	10:06AM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0746
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY OFF OF SPRINGFIELD AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	9:52AM	MACP LEVEL -1
Street Name	SPRINGFIELD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0747
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON SPRINGFIELD AVE JUST BELOW 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	NO STEPS
General Comments	TOP OF LINE	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	10:41AM	MACP LEVEL -1
Street Name	SPRINGFIELD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0748
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOWARDS THE END OF THE CULDISAC ON SPRINGFIELD AVE BEFORE CLEANOUT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	10:57AM	MACP LEVEL -1
Street Name	AVA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0749
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON AVA AVE JUST BELOW 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	11:17AM	MACP LEVEL -1
Street Name	AVA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0750
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF THE CULDISAC ON AVA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	NO STEPS
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:07AM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0751
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments	NO CHIMNEY		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
	# of Steps 0		
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:05AM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0751A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps		
General Comments	SMALL HOLE TO SEWER LINE COVERED WITH CONCRETE	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:29AM	MACP LEVEL -1
Street Name		Survey By:	A.SOUZA	MH/ACCESS #.: MH-0752
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED OFF
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:57AM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0752A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:01AM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0752B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:32AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0753
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 16TH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:36AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0754
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 17TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:40AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0755
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:45AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0756
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:49PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0757
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:27PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0758
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments	ERODED	
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	ERODED	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:31PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0759
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:03PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0761
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 21ST ST NEAR BORDEN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:08PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0762
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 21ST AND BORDEN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:21PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0763
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	RHODES ST AND 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:31pm	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0764
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST ST AND HILLCREST DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:38PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0764A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST ST AND HILLCREST DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	11:31AM	MACP LEVEL -1
Street Name	HILLCREST DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0764B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF CULDISAC ON HILLCREST DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	11:28AM	MACP LEVEL -1
Street Name	HILLCREST DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0764C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HILLCREST DR MIDDLE OF ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:44PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0765
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 21ST ST NEAR PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	PIECES OF WOOD BETWEEN FRAME AND CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:36AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0766
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	EROSION	
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	12	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	10:31AM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0767
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST ST AND HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:18AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0768
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:41AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0769
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:44AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0770
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:34PM	MACP LEVEL -1
Street Name	HILLCREST DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0771
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HILLCREST DR JUST BELOW 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	2:59PM	MACP LEVEL -1
Street Name	RHODES ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0772
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON GRASS BETWEEN 19TH AND 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO WALL	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	11:39AM	MACP LEVEL -1
Street Name	BORDEN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0773
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	TOP OF BORDEN AVE ABOVE 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	1:59PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0774
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN 21ST AND 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments	ERODED AND PITTED	
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	2:08PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0775
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY BETWEEN 20TH ST AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	2:14PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0776
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY NEXT TO RHODES ST BETWEEN 20TH AND 19TH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	2:02PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0777
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ALLEY NEAR RHODES ST AND BETWEEN 20TH AND 21ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:08PM	MACP LEVEL -1
Street Name	19TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0778
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 19TH ST NEAR RHODES ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		LOOKS BOKEN
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	12:06PM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0779
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	18TH ST JUST BEFORE PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	11:43AM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0780
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	18TH AND RHODES ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THESE ARE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	11:36AM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0781
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 18TH AND HILLCREST DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:00AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0782
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	ROOTS	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	10:18AM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0782A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 18TH ST JUST BEFORE PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:57AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0783
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment	ROOTS		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment	ROOTS		
Bench: Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	4	CORROSION MISSING 1	
General Comments			

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:48AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0784
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	10:52AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0784A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:05AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0785
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:22PM	MACP LEVEL -1
Street Name	HILLCREST DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0786
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HILLCREST DR JUST ABOVE 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:34PM	MACP LEVEL -1
Street Name	HILLCREST DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0787
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF HILLCREST DR BETWEEN 21ST ST AND 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:12PM	MACP LEVEL -1
Street Name	RHODES ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0788
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON RHODES JUST ABOVE 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	3:03PM	MACP LEVEL -1
Street Name	RHODES ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0790
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF RHODES ST AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:04PM	MACP LEVEL -1
Street Name	17TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0792
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 17TH ST 2ND MH PAST RAYMOND AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:13PM	MACP LEVEL -1
Street Name	17TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0793
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 17TH AND PROSPECT AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	1	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	2:02PM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0794
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 16TH AND RAYMOND AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:59PM	MACP LEVEL -1
Street Name	16TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0795
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 16TH ST JUST PAST RAYMOND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	2:08PM	MACP LEVEL -1
Street Name	15TH PL	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0798
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF 15TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	SURFACE TYPE IS ASPHALT AND CONCRETE	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	2:46PM	MACP LEVEL -1
Street Name	RAYMOND AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0800
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON RAYMOND AVE BETWEEN 17TH AND 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	12:18PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0801
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN PCH AND ARDMORE ABOVE 16TH ST BELOW 18TH ST. IN CONDO OR APARTMENT AREA			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	12:12PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0802
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN PCH AND ARDMORE ABOVE 16TH AND BELOW 19TH. LOOKS LIKE APARTMENT OR CONDO AREA			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	1:18AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0806
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	SURFACE IS DIRT AND MULCH	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:08AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0807
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:19AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0808
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 13TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:15AM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0809
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 11TH PL			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	10:30AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0812
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AVIATION BLVD AND AUBREY PARK CT MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED 1 MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	10:38AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0812A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AVIATION BLVD AND AUBREY PARK CT MEET MIDDLE OF CROSSWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments	MH IS NOT NUMBERED ON MAP SO WE CALLED IT 812A SINCE ITS NEXT TO 812	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:18AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0816
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AVIATION BLVD AND BONNIE BRAE ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:13AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0816A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON AVIATION BLVD BEFORE BONNIE BRAE ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments	SURFACE IS ASPHALT AND CONCRETE	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	7:40AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0818
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AVIATION BLVD AND CORONA ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	7:31AM	MACP LEVEL -1
Street Name	CORONA ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0818A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF CORONA ST BETWEEN AVIATION BLVD AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:26AM	MACP LEVEL -1
Street Name	AVIATION BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0819
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:56AM	MACP LEVEL -1
Street Name	14TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0820
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 14TH AND PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	10:04AM	MACP LEVEL -1
Street Name	14TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0821
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT 14TH ST AND HARPER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:45AM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0822
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 15TH AND PROSPECT AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	11:12AM	MACP LEVEL -1
Street Name	PROSPECT AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0825
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORROSION
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:36AM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0826
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 15TH ST AND GOLDEN ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition		1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED AWAY METAL STICKING OUT OF THE CONE
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:33AM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0827
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 15TH AND SILVER ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS AND CRACK
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:18AM	MACP LEVEL -1
Street Name	SILVER ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0828
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF SILVER ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:29AM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0830
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 15TH ST AND HARPER AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:12AM	MACP LEVEL -1
Street Name	GOLDEN ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0831
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF GOLDEN ST ON THE SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	9:06AM	MACP LEVEL -1
Street Name	GOLDEN ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0832
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF GOLDEN ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	8:17AM	MACP LEVEL -1
Street Name	GOLDEN ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0833
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF GOLDEN ST JUST BELOW 17TH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		ROOTS
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:01AM	MACP LEVEL -1
Street Name	OWOSSO AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0835
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OWOSSO AVE JUST ABOVE AVIATION BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	7:56AM	MACP LEVEL -1
Street Name	OWOSSO AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0836
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF OWOSSO AVE BETWEEN 14TH ST AND AVIATION BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:39AM	MACP LEVEL -1
Street Name	BONNIE BRAE ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0837
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BONNIE BRAE ST JUST ABOVE AVIATION BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	1	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:35AM	MACP LEVEL -1
Street Name	BONNIE BRAE ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0838
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	2ND MH ON BONNIE BRAE ABOVE AVIATION BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition: 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material: NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps: 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:42AM	MACP LEVEL -1
Street Name	AUBREY PARK CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0840
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AUBREY PARK CT AND MONTGOMERY DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition		1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:50AM	MACP LEVEL -1
Street Name	AUBREY PARK CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0841
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE AUBREY PARK CT AND AUBREY CT MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:53AM	MACP LEVEL -1
Street Name	AUBREY CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0842
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF STREET ON A YARD ON AUBREY CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:31AM	MACP LEVEL -1
Street Name	13TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0844
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 13TH ST NEAR OCEAN DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		EROSION TO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:24AM	MACP LEVEL -1
Street Name	13TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0844A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 13TH ST BETWEEN PCH AND OCEAN DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:24PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0845
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	3:13PM	MACP LEVEL -1
Street Name	14TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0847
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BONNIE BRAE ST AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	3:06PM	MACP LEVEL -1
Street Name	14TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0848X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE OWOSSO AVE AND 14TH MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	3:02PM	MACP LEVEL -1
Street Name	14TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0849
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	14TH ST BETWEEN CORONA ST AND OWOSSO AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	7:49AM	MACP LEVEL -1
Street Name	OWOSSO AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0850
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OWOSSO AVE JUST BELOW 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED AWAY
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:31PM	MACP LEVEL -1
Street Name	BONNIE BRAE ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0851
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE BONNIE BRAE AND JOY ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:35PM	MACP LEVEL -1
Street Name	CAMPANA ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0853
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF CAMPANA ST AND JOY ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	1:41PM	MACP LEVEL -1
Street Name	CAMPANA ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0854
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON CAMPANA ST TOWARDS PROSPECT AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	8:31AM	MACP LEVEL -1
Street Name	BONNIE BRAE ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0855
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BONNIE BRAE ST 1ST MH BELOW 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	11:59PM	MACP LEVEL -1
Street Name	PACIFIC COAST HIGHWAY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0856
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 15TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	12:02AM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0856A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PCH AND 15TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	3:26PM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0857
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 15TH BETWEEN OCEAN DR AND PCH			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED AND MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/7/2017	Inspection Time:	3:21PM	MACP LEVEL -1
Street Name	15TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0858
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	15TH ST JUST BEFORE OCEAN DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	1:46PM	MACP LEVEL -1
Street Name	EASEMENT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0859
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA VALLEY SCHOOL PROPERTY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	8	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	1:19PM	MACP LEVEL -1
Street Name	ALLEY	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0860
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:47PM	MACP LEVEL -1
Street Name	OAK ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0861
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OAK ST IN THE MIDDLE BETWEEN BARD ST AND LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:40PM	MACP LEVEL -1
Street Name	OAK ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0862
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OAK ST CLOSER TO LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	2:55AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0863
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:04AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0864
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PIER AVE AND MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	4:11AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0864A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MONTEREY BLVD BELOW PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	12:47PM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0864B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:06AM	MACP LEVEL -1
Street Name	PIER AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0864C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PIER AVE AND MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	4:08AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0865
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MONTEREY BLVD AND 11TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	2:55PM	MACP LEVEL -1
Street Name	OAK ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0866
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OAK ST NEXT TO BARD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	4	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/10/2017	Inspection Time:	9:37AM	MACP LEVEL -1
Street Name	MONTGOMERY DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-0867
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON MONTGOMERY DR NEX TO OCEAN DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:27PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1001
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF HERMOSA AVE AND HERONDO ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:35PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1002
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE JUST ABOVE HERONDO ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:42PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1003
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE JUST ABOVE LYNDON ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:47PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1004
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE JUST ABOVE 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 5	I BELIEVE ITS METAL WITH PLASTIC
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	10:48AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1005
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF HERMOSA AVE AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	10:54AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1006
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	11:01AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1007
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 7	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	10:25AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1008
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 7TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	11:28AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1008A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	11:31AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1008B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	10:29AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1009
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE BETWEEN 8TH ST AND 8TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	10:34AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1010
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 9TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	1:01PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1011
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 11TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:05AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1012
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 12TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:08AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1013
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE WHERE PIER AVE AND HERMOSA MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:18AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1014B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND PIER AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/517	Inspection Time:	7:15AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1014C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND PIER AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:58AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1016
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 13TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	8:09AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: 1017
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	8:45AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1018
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 15TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	8:52AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1019
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 16TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:06AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1020
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 19TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLATIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:15AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1021
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 21ST ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	12:29PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1022
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE JUST ABOVE 22ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	12:34PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1023
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 24TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	12:38PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1024
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE HERMOSA AVE AND 25TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	12:32PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1025
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE JUST BELOW 27TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	LARGE CRACKS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	CRACKS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	12:39PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1026
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON THE CORNER OF HERMOSA AVE AND 27TH ST ON SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	8:17AM	MACP LEVEL -1
Street Name	28TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1027
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 28TH ST AND HERMOSA AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	8:29AM	MACP LEVEL -1
Street Name	29TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1028
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 29TH ST MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	BROKEN CONCRETE	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	8:40AM	MACP LEVEL -1
Street Name	30TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1029
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 30TH ST MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO REAL CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	8:52AM	MACP LEVEL -1
Street Name	31ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1030
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 31ST ST MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:04AM	MACP LEVEL -1
Street Name	LONFELLOW AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1031
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE LONGFELLOW AVE MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:13AM	MACP LEVEL -1
Street Name	33RD ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1032
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 33RD ST MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED	
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING	
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE	
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment		CRACK	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment		CRACK	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER	
# of Steps	0		
General Comments		FRAME IS OFFSET	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	9:29AM	MACP LEVEL -1
Street Name	34H ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1033
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 34TH ST MEETS HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3.20.17	Inspection Time:	8:50AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1034
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER ON SIDEWALK			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring		1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	SHALLOW MH NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	SHALLOW MH NO CONE	
Wall: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	SHALLOW MH NO WALL	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3.20.17	Inspection Time:	8:55	MACP LEVEL -1
Street Name	35th ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1035
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CONSTRUCTION SCAFFOLD SET ON TOP OF MH, CAN'T OPEN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring		1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NA	
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	NA	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	12:22PM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1036
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 24TH ST AND PALM DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	10:24AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1037
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MANHATTAN AVE AND 24TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	10:31AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1038
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF MANHATTAN AVE AND 24TH ST IN YARD NEXT TO A TREE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	10:05AM	MACP LEVEL -1
Street Name	OZONE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1039
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OZONE CT JUST BELOW 24TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED, ROOTS
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	9:59AM	MACP LEVEL -1
Street Name	OZONE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1042
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON OZONE CT JUST BELOW 25TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	3:02PM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1043
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MANHATTAN AVE AND LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/27/2017	Inspection Time:	3:09PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1044
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF LOMA DR AND OZONE CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		ROOTS
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		ERODED
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	3:18PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1045
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR NEAR DRIVEWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		NO CHANNEL
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/232/17	Inspection Time:	3:24PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1046
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR AND PARK AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	CRACKS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED MISSING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	3:57PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1049
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON LOMA DR NEAR DRIVEWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	4:03PM	MACP LEVEL -1
Street Name	LOMA DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1050X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HOME OWNERS DRIVEWAY ON LOMA DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	11:13AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1052
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR JUST BELOW GREENWICH VLG NEXT TO EL GRINGO RESTAURANT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	H	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	9:25AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1053
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	JUST ABOVE 22ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:23AM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1054
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	21ST ST AND PALMD DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:27AM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1055
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 21ST ST AND MANHATTAN MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	9:51AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1056
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE AND 21ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	9:43AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1057
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MANHATTAN AVE AND CIRCLE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CANT OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		ERODED, DEFORMED
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:34AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1057A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO ADDRESS 2162			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:26AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1058
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEXT TO ADDRESS 2131			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		ROOTS
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED AND BROKEN
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:13AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1059
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF CIRCLE DR AND CIRCLE CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:20AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1059A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF CIRCLE DR AND CIRCLE CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments	FULL OF DEBRIS SINCE THERE IS NO CHANNEL, SLIGHTLY ERODED	
Channel Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments	NO CHANNEL	
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	MISSING
General Comments	SURFACE TYP IS BRICK. ALSO MAP DOES NOT HAVE MH NUMBER WAS CLOSE TO 1059 SO WE CALLED IT 1059A	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:59AM	MACP LEVEL -1
Street Name	CIRCLE CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1059B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	JUST BELOW MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	9:58AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1060
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF MANHATTAN AVE AND CIRCLE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:50AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1061
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CIRCLE DR AND CIRCLE CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	3	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		SURFACE TYPE IS ROCKS LAID AROUND MH AND DIRT

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	10:05AM	MACP LEVEL -1
Street Name	CIRCLE DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1062
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON SIDEWALK ACROSS FROM CIRCLE CT ON CIRCLE DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE	
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER	
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS	
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL	
Surface Type:	5	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER	
Cover	Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION	
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING	
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Chimney O&M Comments			
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Cone O&M Comment			
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Wall O&M Comment			
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Bench Deffect Comments			
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN	
Channel Deffect Comments			
Steps:	Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps	0	
General Comments		SURFACE TYPE IS BRICK	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:25AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1063A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PLAM DR BETWEEN 21ST ST AND 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	8:38AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1067A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR AT PIER DR AND PLAM AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	8:50AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1068
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 16TH AND PALM DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	8:55AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1068A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR JUST ABOVE 16TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATIN
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:06AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1068B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR JUST BELOW 19TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	9:13AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1069
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR WHERE 19TH ST AND PALM MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	10:25AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1070
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MANHATTAN AVE AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	10:32AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1070A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF MANHATTAN BETWEEN 16TH ST AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	11:00AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1070B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON MANHATTAN JUST BEFORE PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:43AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1071
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BAYVIEW DR JUST ABOVE PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:34AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1072
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF HERMOSA AVE AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:14PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1073
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 14TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	3	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	
General Comments	MH APPEARS TO BE LINED	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:19PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1073A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN 14TH ST AND 14TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Z	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THER METAL WITH A PLASTIC COATING
General Comments	MH IS LINED. THE LINER IS DETACHING AT THE TOP. THE MH IS LOCATED NEAR A HOTEL NEXT TO VALET	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:09PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1074
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 14TH ST AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	2:34PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1076
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 16TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	RUSTED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	2:41PM	MACP LEVEL -1
Street Name	16TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1076A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	16TH CT AND HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	2:21PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: 1077
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 17TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	2:27PM	MACP LEVEL -1
Street Name	17TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1077A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 17TH CT JUST BELOW HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	1:25PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1078
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 18TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	1:18PM	MACP LEVEL -1
Street Name	18TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1078A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 18TH CT JUST BELOW HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	1:07PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1079
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 19TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	1:13PM	MACP LEVEL -1
Street Name	19TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1079A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 19TH CT JUST BELOW HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	1:01PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1080
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 20TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	12:55PM	MACP LEVEL -1
Street Name	20TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1080A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 20TH CT JUST BELOW HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	12:43PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1081
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 21ST CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	12:50PM	MACP LEVEL -1
Street Name	21ST CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1081A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 21ST CT JUST BELOW HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:59AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1082
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 22ND CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	FRAME OFFSET FROM CHIMNEY	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	12:30PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1082A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BEACH DR JUST BELOW 22ND CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:49AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1083
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BEAC DR JUST ABOVE 22ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:53AM	MACP LEVEL -1
Street Name	22ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1083A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 22ND ST AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:40AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1084
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN 23RD ST AND 24TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:34AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1084A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 24TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	8:29AM	MACP LEVEL -1
Street Name	24TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1085 OR 1085A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BETWEEN THE STRAND AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		NO CONE
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		IS MH 1085 THERE IS NO OTHER MH'S SEEN ABOVE GROUND AND LOOKS LIKE NEW CONSTRUCTION MH 1085A MAY NO

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/4/2017	Inspection Time:	12:55PM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1086
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WALKWAY NEXT TO BEACH NEAR HERMOSA AVE AND 26TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	9:03AM	MACP LEVEL -1
Street Name	22ND CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1088
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 22ND CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	12:36PM	MACP LEVEL -1
Street Name	21ST ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1089
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BELOW 22ND CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: INGLEWOOD
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:03AM	MACP LEVEL -1
Street Name	13TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1090
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF 13TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THER METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:28AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1090A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF STREET NEAR ISLAND OFF HERMOSA AVE AND 13TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	7:57AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1091
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BEACH DR AND 13TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:27PM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1092
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BEACH DR AND 14TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:37PM	MACP LEVEL -1
Street Name	14TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1092A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 14TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:17AM	MACP LEVEL -1
Street Name	PIER PLAZA	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1093
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PIER PLAZA AND BEACH DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:25AM	MACP LEVEL -1
Street Name	TH STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1093A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	THE STRAND AND PIER PLAZA			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:30AM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1093B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	THE STRAND BETWEEN PIER PLAZA AND 12TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:21AM	MACP LEVEL -1
Street Name	PIER PLAZA	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1093C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE THE STRAND AND PIER PLAZA MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:42AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1094
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 12TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	2	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:38AM	MACP LEVEL -1
Street Name	12TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1094A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE BEACH DR AND 12TH CT MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:53AM	MACP LEVEL -1
Street Name	12TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1094B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	12TH CT AND HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	9:29AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1095
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	11TH CT AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AWA	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	9:35AM	MACP LEVEL -1
Street Name	11TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1095A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 11TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:47AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1095B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 12TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	9:43AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1096
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 10TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	3	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	BROKEN,CRACKS	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	9:48AM	MACP LEVEL -1
Street Name	10TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1096A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 10TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	8:48AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1097
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 9TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	8:58	MACP LEVEL -1
Street Name	9TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1097A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	9TH CT AND HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:07AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1098
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 8TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:03AM	MACP LEVEL -1
Street Name	8TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1098A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 8TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:19AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1099
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 7TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:25AM	MACP LEVEL -1
Street Name	7TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1099A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 7TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:35AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1100
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 6TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:30AM	MACP LEVEL -1
Street Name	6TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-100A 1100A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	6TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:45AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1101
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BEACH DR AND 5TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:41AM	MACP LEVEL -1
Street Name	5TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1101A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 5TH CT NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	9:49AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1102
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 4TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	7:48AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1104
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE JUST BEFORE PIER AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	11:53AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1105
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 10TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	9:48AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1106
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	9:54AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1106B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material 3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments	THIS MH DOES NOT HAVE A NAME ON THE GIVEN MAPS SO WE NAMED IT 1106B	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	11:42AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1107
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	12:52PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1108
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERMOSA AVE AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:27AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1110
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF PALM DR AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:31AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1110A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON PALM DR BETWEEN 6TH ST AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH A PLASTIC COATING
General Comments		MH IS LINED

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:12AM	MACP LEVEL -1
Street Name	6TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1111
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	6TH ST AND PALM DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	8:25AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1113
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PALM AND 10TH ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/11/2017	Inspection Time:	8:34AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1114
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE PALM DR AND PIER AVE MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:59AM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1115
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	8TH ST AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:27AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1115A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE JUST BELOW 10TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:32AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1115B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE BELOW 8TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	NA	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:55AM	MACP LEVEL -1
Street Name	8TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1116
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	8TH AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:14AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1117
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	10TH ST AND BAYVIEW DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:05AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1119
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BAYVIEW DR AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	1	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODEDE
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:47AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1120
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	4TH ST AND MANHATTAN			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:52AM	MACP LEVEL -1
Street Name	4TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1121
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BAYVIEW DR AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	8:00AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1122
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BAYVIEW DR AND 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:46AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1123
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF BAYVIEW DR BETWEEN 4TH AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:41AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1124
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE JUST ABOVE 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:20AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1125
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 2ND ST AND PALM DR MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:16AM	MACP LEVEL -1
Street Name	PALM DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1126
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	PALM DR AND 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		NO CONE
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	12:42PM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1127
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	2:35PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1128
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 2ND AND MANHATTAN AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/817	Inspection Time:	2:41PM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1128A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF MANHATTAN BETWEEN 4TH ST AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	2:23PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1129
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF BAYVIEW DR AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	MISSING PART OF IT STILL IN WALL
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	2:17PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1130
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE 2ND ST AND MONTEREY BLVD MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/25/2017	Inspection Time:	6:34PM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1131
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:41AM	MACP LEVEL -1
Street Name	CULPER CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE CULPER CT AND 2ND ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment	CRACKS	
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	2:09PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST BEFORE CULPER CT GOING WEST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	6	
General Comments		LIGHT ROOTS IN TROUGH

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	2:14PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132C
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 2ND ST NEXT TO APARTMENTS BETWEEN CULPER CT AND VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	2:19PM	MACP LEVEL -1
Street Name	2ND ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132D
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	2ND ST AND VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECTION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	10	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:52AM	MACP LEVEL -1
Street Name	HERONDO ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132F
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	OFF OF HERONDO ST AND VALLEY DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	D	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	9	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	11:06AM	MACP LEVEL -1
Street Name	HERONDO ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132G
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK OFF HERONDO ST BETWEEN VALLEY DR AND MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	14	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	11:11AM	MACP LEVEL -1
Street Name	HERONDO ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1132H
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	SIDEWALK OFF HERONDO ST EAST OF MONTEREY BLVD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	ROOTS	
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	ROOTS	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	14	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:59PM	MACP LEVEL -1
Street Name	CULPER CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1133
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF CULPER CT BETWEEN 4TH ST AND 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/14/2017	Inspection Time:	1:55PM	MACP LEVEL -1
Street Name	CULPER CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1134
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	CORNER OF CULPER CT AND 4TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		CRACK
Wall: Condition	2	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/30/2017	Inspection Time:	3:42AM	MACP LEVEL -1
Street Name	MONTEREY BLVD	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1135
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:				CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:44AM	MACP LEVEL -1
Street Name	BAYVIEW DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1136
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	FIRST MH ON BAYVIEW DR JUST ABOVE 2ND ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	7:39AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1137
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE AND 1ST ST MEET			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/17/2017	Inspection Time:	10:02AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1138
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	WHERE MANHATTAN AVE AND 2ND ST MEET BETWEEN SIDEWALK AND YARD			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	4	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	1	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	10:13AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1140
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	2ND ST AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	10:08AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1141X
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON BEACH DR BETWEEN 3RD CT AND 3RD ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	10:19AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1142
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR AND 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	10:26AM	MACP LEVEL -1
Street Name	BEACH DR	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1142A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	BEACH DR JUST BELOW 1ST ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/12/2017	Inspection Time:	10:21AM	MACP LEVEL -1
Street Name	TH STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1143
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	1ST ST AND THE STRAND			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	2:44PM	MACP LEVEL -1
Street Name	THE STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1144
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	HERONDO ST AND THE STRAND IT'S A WALKWAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/1/2017	Inspection Time:	2:55PM	MACP LEVEL -1
Street Name	TH STRAND	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1144A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	THE STRAND AND LYNDON ST WEST OF HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	F	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments	NO CHIMNEY	
Cone: Condition	3	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment	NO CONE	
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	LOCATION IS WALKWAY NEAR THE BEACH	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/31/2017	Inspection Time:	3:38AM	MACP LEVEL -1
Street Name	MANHATTAN AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1145
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MANHATTAN AVE JUST BELOW 6TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/23/2017	Inspection Time:	9:52AM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1152
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 25TH ST AND OZONE CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	7	I BELIEVE IST METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/22/2017	Inspection Time:	3:35PM	MACP LEVEL -1
Street Name	25TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1153
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF MYRTLE AVE ANE 25TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:10AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1154
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE ACROSS FROM 20TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	9:02AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1155
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE ACROSS FROM 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	4	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/2/2017	Inspection Time:	8:58AM	MACP LEVEL -1
Street Name	HERMOSA AVE	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1156
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HERMOSA AVE ACROSS FROM 17TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	2:59PM	MACP LEVEL -1
Street Name	15TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1158
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 15TH CT			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	I BELIEVE ITS METAL WITH PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/5/2017	Inspection Time:	3:03PM	MACP LEVEL -1
Street Name	15TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1159
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	NEAR HERMOSA AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover	Type: 10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
	Fit: 1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
	Condition 1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps:	Material NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
	# of Steps 0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	8:08AM	MACP LEVEL -1
Street Name	13TH CT	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1160
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	MIDDLE OF 13TH CT BETWEEN PIER PLAZA AND 13TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	3	
General Comments	SIDE LATERAL IN MH HAS NO TROUGH JUST DUMPS ON BENCH BEFORE TROUGH	

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	5/7/2017	Inspection Time:	11:58AM	MACP LEVEL -1
Street Name	18TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1165
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON 18TH BETWEEN PCH AND RHODES ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	5	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	3	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	5	I BELIEVE THERE METAL WITH A PLASTIC COATING
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/6/2017	Inspection Time:	7:48AM	MACP LEVEL -1
Street Name	13TH ST	Survey By:	A.SOUZA	MH/ACCESS #.: MH-1169
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	INTERSECTION OF 13TH ST AND BEACH DR			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	AMH	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	2	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	10	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	1	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	1	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	2	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	2	CORRODED
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	10:45AM	MACP LEVEL -1
Street Name	SPRINGFIELD AVE	Survey By:	A.SOUZA	MH/ACCESS #.: CO SPRINGFIELD AVE
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	END OF THE CULDISAC ON SPRINGFIELD AVE			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	ACOM	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	8	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	4/3/2017	Inspection Time:	2:25PM	MACP LEVEL -1
Street Name	VALLEY PARK AVE	Survey By:	A.SOUZA	MH/ACCESS #.: CO VALLEY PARK AVE
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	AT THE END OF THE STREET ON VALLEY PARK AVE BELOW 18TH ST			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	C	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	ACOM	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	1	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	8	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition		1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:17PM	MACP LEVEL -1
Street Name	MARLITA ST	Survey By:	A.SOUZA	MH/ACCESS #.: C/O-A
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HOME OWNERS DRIVE WAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	ACOM	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	8	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments		CLEANOUT

**INNERLINE ENGINEERING CITY OF: HERMOSA BEACH
MANHOLE CONDITION ASSESSMENT FORM**

Inspection Date:	3/24/2017	Inspection Time:	2:21PM	MACP LEVEL -1
Street Name	MARLITA ST	Survey By:	A.SOUZA	MH/ACCESS #.: C/O-B
Survey Purpose	ROUTINE ASSESSMENT	MACP #	U-1209-6134	Field Book Page: N/A
Location Comments:	ON HOME OWNERS DRIVE WAY			CITY: HERMOSA BEACH

OBSERVATION	CODE TYPE	CODE
Location Code	Y	(A)-PRIMARY MAJOR ROAD (B)-SECONDARY ROADS (C.) LOCAL STREET (D)EASEMENT (E)WOODS (F) SIDEWALK (G) PARKING LOG (H) ALLEY (I) DITCH (J) BUILDING (K) CREEK (L) RAILWAY (M) AIRPORT (N) LEVEE/FLOODWALL (O) DAM (P) LEVEE / PUMP STATION (Y) YARD (Z) OTHER
Inspection Status	SI	(DI)ENTRY INSPECTION (SI) FROM SURFACE INSPECION (RI) REMOTE-USE OF REMOTE VISUAL EQUIP (BM)BURRIED MH (NA) NO ACCESS (NF) NOT FOUND (NI) HIGH TRAFFIC CANT INSPEC (NO) CAN'T OPEN (SD)SURCHARGED DEBRIS
Access Type:	ACOM	(ACB) CATCH BASIN (ACOH) CLEANOUT HOUSE (ACOM) CLEANOUT MAINLINE (ACOP) CLEANOUT PROPERTY (AJB) JUNCTION BOX (AM) METER (AMH) MANHOLE (AOC) OTHER SPECTIAL STRUCTURE (AWA)WASTE WATER ACCESS (AWW) WET WELL
Surface Type:	C	1) ASPHALT 2) CONCRETE 3) GRAVEL 4) GRASS / DIRT 5) OTHER
Cover Type:	8	1.BOLTED 2.GASKET 3.SOLID 4.INNER-COVER 5.LOCKING 6.HATCH-SINGLE 7.HATCH-DOUBLE 8.LAMPHOLE 9.REMOVABLE-CENTER-COVER 10.VENTED
Fit:	1	1) GOOD 2) TIGHT 3) LOOSE 4) ROCKING 5) BOLT MISSING 6) GASKET BAD/GONE 7) GOOD O-RING
Condition	1	1.SOUND 2.BOLT MISSING 3.BORKEN 4.CORRED (PITTED) 5.CRACKED 6.MISSING 7.RESTRAINT-MISSING 8.RESTRAINT-DEFECTIVE
Cover Adjustment Ring	NA	1.SOUND 2.BROKEN 3.CORRODED (PITTED) 4.CRACKED 5.LEAKING 6.POOR INSTALLATION
Frame: Condition	NA	1.SOUND 2.BROKEN 3.COATED 4.CORRODED (PITTED / WORN) 5.CRACKED 6.MISSING
Chimney Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Chimney O&M Comments		
Cone: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Cone O&M Comment		
Wall: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Wall O&M Comment		
Bench: Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Bench Deffect Comments		
Channel Condition	NA	1.SOUND 2.DEFFECTIVE 3.NOT KNOWN
Channel Deffect Comments		
Steps: Material	NA	1.BRICK 2.METAL 3.PLASTIC 4.OTHER
# of Steps	0	
General Comments	2 CLEANOUTS NEXT TO EACH OTHER COULD NOT TELL WHICH WAS C/O B	

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

		MARCH COMPLETED MH'S				
		3.20.2017	3.21.2017	3.22.2017	3.23.2017	3.24.2017
1	- 0002	26 - 0027	40 - 0023	76 - 0101	112 - 0074	
2	- 0003	27 - 0043	41 - 0024	77 - 0104	113 - 0075	
3	- 0028	28 - 0044	42 - 0025	78 - 0105	114 - 0076	
4	- 0029	29 - 0045	43 - 0026	79 - 0506	115 - 0077	
5	- 0030	30 - 0070	44 - 0047	80 - 0507	116 - 0078	
6	- 0031	31 - 0071	45 - 0048	81 - 0508	117 - 0079	
7	- 0032	32 - 0072	46 - 0049	82 - 0509	118 - 0081	
8	- 0033	33 - 0073	47 - 0050	83 - 0510	119 - 0081A	
9	- 0034	34 - 0088	48 - 0051	84 - 0512	120 - 0082	
10	- 0035	35 - 0518	49 - 0052	85 - 0512A	121 - 0082A	
11	- 0036	36 - 0519	50 - 0053	86 - 0513	122 - 0083	
12	- 0036A	37 - 0520	51 - 0054	87 - 0514	123 - 0084	
13	- 0037	38 - 0521A	52 - 0055	88 - 0515	124 - 0085	
14	- 0038	39 - 0522A	53 - 0103	89 - 0533	125 - 0086	
15	- 0039		54 - 0108	90 - 0537	126 - 0540	
16	- 0040		55 - 0108A	91 - 0582	127 - 0541	
17	- 0041		56 - 0109	92 - 0582A	128 - 0542	
18	- 0042		57 - 0111	93 - 0584	129 - 0543	
19	- 0062		58 - 0112	94 - 0589	130 - 0545	
20	- 0063		59 - 0113	95 - 0589A	131 - 0546	
21	- 0089		60 - 0114	96 - 0590	132 - 0547	
22	- 0090		61 - 0115	97 - 0591	133 - 0548	
23	- 0091		62 - 0517	98 - 0591A	134 - 0549	
24	- 1034		63 - 0523	99 - 0593	135 - 0550	
25	- 1035		64 - 0524	100 - 1037	136 - 0551	
			65 - 0526	101 - 1038	137 - 0552	
			66 - 0526A	102 - 1039	138 - 0554	
148	- 0732		67 - 0527	103 - 1042	139 - 0561	
149	- 0732A		68 - 0528	104 - 1043	140 - 0562	
150	- 0734		69 - 0529	105 - 1044	141 - 0563	
151	- 0046-Paved on or not exist		70 - 0530	106 - 1045	142 - 0564	
152	- 0087-Buried or on Property		71 - 0531	107 - 1046	143 - 0565	
153	- 0106-Buried, or Not Exist		72 - 0532	108 - 1049	144 - 0569	
154	- 0516-Buried or Backyard		73 - 0534	109 - 1050X	145 - 0570	
155	- 0521-Buried or on Property		74 - 0535	110 - 1052	146 - CO A	
156	- 0522-Buried or on Property		75 - 1153	111 - 1152	147 - CO B	
157	- 0525-Buried or in Backyard					
158	- 0568-Mayber Under B-ball court					
159	- 0571-Buried, not exist					
160	- 0588-Buried, Not Exist or on Property					
161	- 0868- Buried or Backyard					
162	- 1038A-Buried or Not Exist					
TOTAL MH INSPECTIONS		162		RATE=		TOTAL BILLING \$ -

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

APRIL COMPLETED MH'S					
4.10.2017	4.11.2017	4.12.2017	4.13.2017	4.14.2017	
178 - 0122	220 - 0134	260 - 0157	301 - 0207	336 - 0202	
179 - 0123	221 - 0160	261 - 0158	302 - 0209	337 - 0203	
180 - 0123	222 - 0160A	262 - 0159	303 - 0209	338 - 0204A	
181 - 0124	223 - 0160B	263 - 0161	304 - 0210	339 - 0222	
182 - 0125	224 - 0631	264 - 0172	305 - 0211	340 - 0224	
183 - 0126	225 - 0633	265 - 0173	306 - 0212	341 - 0225	
184 - 0126A	226 - 0634	266 - 0174	307 - 0213	342 - 0232A	
185 - 0127	227 - 0635	267 - 0715	308 - 0214	343 - 0236	
186 - 0129	228 - 0637	268 - 0176	309 - 0215	344 - 0241	
187 - 0130	229 - 0638	269 - 0258	310 - 0216	345 - 0242	
188 - 0131	230 - 0639	270 - 0312	311 - 0217	346 - 0243	
189 - 0132X	231 - 0643	271 - 0313	312 - 0218	347 - 0244	
190 - 0133X	232 - 0644	272 - 0316	313 - 0220	348 - 0245	
191 - 0328	233 - 0645	273 - 0669	314 - 0221	349 - 0246	
192 - 0599	234 - 0645	274 - 0667	315 - 0256	350 - 0247	
193 - 0708	235 - 0648	275 - 0678	316 - 0259	351 - 0253	
194 - 0709	236 - 0648A	276 - 0679	317 - 0260	352 - 0254	
195 - 0710	237 - 0648	277 - 0680	318 - 0261	353 - 0255	
196 - 0718	238 - 0650	278 - 0681	319 - 0262	354 - 0270	
197 - 0719	239 - 0651	279 - 0682	320 - 0263	355 - 0272	
198 - 0720	240 - 0653	280 - 0683	321 - 0265	356 - 0274	
199 - 0812	241 - 0656A	281 - 0703A	322 - 0266	357 - 0291	
200 - 0812A	242 - 0670	282 - 0704	323 - 0268	358 - 0296A	
201 - 0816	243 - 0671	283 - 0705	324 - 0269	359 - 0299	
202 - 0816A	244 - 0673	284 - 007	325 - 0275	360 - 0300	
203 - 0818	245 - 0675	285 - 1097	326 - 0276	361 - 0301	
204 - 0818A	246 - 0676	286 - 1097A	327 - 0277	362 - 0302	
205 - 0835	247 - 0685	287 - 1098	328 - 0279	363 - 0303	
206 - 0836	248 - 0686	288 - 1098A	329 - 0280	364 - 0304	
207 - 0837	249 - 0716X	289 - 1099	330 - 0281	365 - 0662	
208 - 0838	250 - 0717	290 - 1099A	331 - 0282	366 - 0662A	
209 - 0840	251 - 1063A	291 - 1100	332 - 0283	367 - 0663	
210 - 0841	252 - 1063B	292 - 1100A	333 - 0284	368 - 0688A	
211 - 0842	253 - 1067A	293 - 1101	334 - 0285	369 - 0688B	
212 - 0844	254 - 1068	294 - 1101A	335 - 0286	370 - 0688C	
213 - 0844A	255 - 1068A	295 - 1102		371 - 0688D	
214 - 0850	256 - 1068B	296 - 1140		372 - 1132A	
215 - 0855	257 - 1069	297 - 1141X		373 - 1132C	
216 - 0861	258 - 1113	298 - 1142		374 - 1132D	
217 - 0862	259 - 1114	299 - 1142A		375 - 1133	
218 - 0866		300 - 1143		376 - 1134	
219 - 0867					

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

		MAY COMPLETED MH'S					
		5.1.2017	5.2.2017	5.16.2017	5.17.2017	5.25.2017	
1 - 0170	24 - 0101A	57 - 0538	68 - 0204	84 - 0152			
2 - 1001	25 - 0121	58 - 0539	69 - 0205	85 - 0201			
3 - 1002	26 - 0121A	59 - 0553	70 - 0249	86 - 0223			
4 - 1003	27 - 0544	60 - 0566	71 - 0250	87 - 0231			
5 - 1004	28 - 0544A	61 - 0567	72 - 0251	88 - 0232			
6 - 1005	29 - 1012	62 - 0567A	73 - 0257	89 - 0233			
7 - 1006	30 - 1013	63 - 0575	74 - 0278	90 - 0234			
8 - 1007	31 - 1014B	64 - 0576	75 - 0290	91 - 0235			
9 - 1008	32 - 1014C	65 - 0604	76 - 0615	92 - 0248			
10 - 1008A	33 - 1016	66 - 0606	77 - 0616	93 - 0252			
11 - 1008B	34 - 1017	67 - 0731	78 - 0617	94 - 0287			
12 - 1009	35 - 1018		79 - 0618	95 - 028			
13 - 1010	36 - 1019		80 - 0659	96 - 0289			
14 - 1011	37 - 1020		81 - 060	97 - 0295			
15 - 1105	38 - 1021		82 - 0661	98 - 0296			
16 - 1106	39 - 1022		83 - 0668	99 - 0297			
17 - 1106B	40 - 1023			100 - 0298			
18 - 1107	41 - 1024			101 - 0612			
19 - 1108	42 - 1036			102 - 0613			
20 - 1127	43 - 1054			103 - 0687			
21 - 1128	44 - 1055			104 - 0687A			
22 - 1128A	45 - 1070			105 - 0687B			
23 - 1144A	46 - 1070A			106 - 0687C			
	47 - 1070B			107 - 0688			
	48 - 1072			108 - 0697			
	49 - 1090A			109 - 0698			
	50 - 1104			110 - 1131			
	51 - 1129						
	52 - 1130						
	53 - 1144						
	54 - 1154						
	55 - 1155						
	56 - 1156						
TOTAL MH INSPECTIONS			RATE_		TOTAL BILLING		

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

		APRIL COMPLETED MH'S							
		4.3.2017	4.4.2017	4.5.2017	4.6.2017	4.7.2017			
1	- 0060	29	- 0006	57	- 0128	97	- 0321	140	- 0324
2	- 0061	30	- 0007	58	- 1053	98	- 0322	141	- 0324A
3	- 0504	31	- 0008	59	- 1056	99	- 0323	142	- 0324B
4	- 0504A	32	- 0009	60	- 1057	100	- 0327	143	- 0324C
5	- 0504B	33	- 0010	61	- 1057A	101	- 0329	144	- 0324D
6	- 0504C	34	- 0011	62	- 1058	102	- 0330	145	- 0324E
7	- 0505	35	- 0012	63	- 1059	103	- 0761	146	- 0324F
8	- 0505A	36	- 0013	64	- 1059A	104	- 0762	147	- 0325
9	- 0594	37	- 0014	65	- 1059B	105	- 0763A-0763	148	- 0326
10	- 0595	38	- 0015	66	- 1060	106	- 0764	149	- 0779
11	- 0596	39	- 0016	67	- 1061	107	- 0764A	150	- 0780
12	- 0597	40	- 0021	68	- 1062	108	- 0764B	151	- 0781
13	- 0598	41	- 0022	69	- 1073	109	- 0764C	152	- 0782A
14	- 0600	42	- 0722	70	- 1073A	110	- 0765	153	- 0792
15	- 0601	43	- 0723	71	- 1074	111	- 0767	154	- 0793
16	- 0735	44	- 0724	72	- 1076	112	- 0771	155	- 0794
17	- 0737	45	- 0725	73	- 1076A	113	- 0772	156	- 0795
18	- 0738	46	- 0726	74	- 1077	114	- 0773	157	- 0798
19	- 0739	47	- 1025	75	- 1077A	115	- 0774	158	- 0800
20	- 0744	48	- 1026	76	- 1078	116	- 0775	159	- 0820
21	- 0745	49	- 1027	77	- 1078A	117	- 0776	160	- 0821
22	- 0746	50	- 1028	78	- 1079	118	- 0777	161	- 0822
23	- 0747	51	- 1029	79	- 1079A	119	- 0778	162	- 0826
24	- 0748	52	- 1030	80	- 1080	120	- 0786	163	- 0827
25	- 0749	53	- 1031	81	- 1080A	121	- 0787	164	- 0828
26	- 0750	54	- 1032	82	- 1081	122	- 0788	165	- 0830
27	- C/O	55	- 1033	83	- 1081A	123	- 0790	166	- 0831
28	- C/O	56	- 1086	84	- 1082	124	- 1090	167	- 0832
				85	- 1082A	125	- 1091	168	- 0833
				86	- 1083	126	- 1093	169	- 0847
				87	- 1083A	127	- 1093A	170	- 0848X
				88	- 1084	128	- 1093B	171	- 0849
				89	- 1084A	129	- 1093C	172	- 0851
				90	- 1085-1085A	130	- 1094	173	- 0853
				91	- 1088	131	- 1094A	174	- 0854
				92	- 1089	132	- 1094B	175	- 0857
				93	- 1092	133	- 1095	176	- 0858
				94	- 1092A	134	- 1095A	177	- 1165
				95	- 1158	135	- 1095B		
				96	- 1159	136	- 1096		
						137	- 1096A		
						138	- 1160		
						139	- 1169		

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

		APRIL COMPLETED MH'S			
4.17.17					
377 - 0142					
378 - 0142A					
379 - 0143X					
380 - 0667					
381 - 0693					
382 - 0639B					
383 - 0695					
384 - 0696					
385 - 0699					
386 - 0700					
387 - 0702					
388 - 0706					
389 - 1071					
390 - 1110					
391 - 1110A					
392 - 1111					
393 - 1117					
394 - 1119					
395 - 1121					
396 - 1122					
397 - 1123					
398 - 1125					
399 - 1126					
400 - 1132					
401 - 1132F					
402 - 1132G					
403 - 1132H					
404 - 1136					
405 - 1137					
406 - 1138					
TOTAL MH INSPECTIONS			RATE_	TOTAL BILLING	\$ -

**CITY OF HERMOSA BEACH
MANHOLE INSPECTIONS FOR APRIL 2016**

DAVID EVANS AND ASSOCIATES, INC.

INNERLINE ENGINEERING

MAY COMPLETED MH'S				
5.30.2017	5.31.2017	5.31.207		
111 - 0206	152 - 0141	193 - 0856		
112 - 0219	153 - 0141A	194 - 0856A		
113 - 0285A	154 - 0153C	195 - 0863		
114 - 0311	155 - 0154A	196 - 0864		
115 - 0501	156 - 0155	197 - 0864A		
116 - 0603	157 - 0156	198 - 0864C		
117 - 0609	158 - 0320	199 - 0865		
118 - 0610	159 - 0607	200 - 1115A		
119 - 0611	160 - 0608	201 - 1115B		
120 - 0614	161 - 0609	202 - 1124		
121 - 0629	162 - 0689	203 - 1125		
122 - 0632	163 - 0690			
123 - 0701	164 - 0691			
124 - 0727	165 - 0692			
125 - 0728	166 - 0694			
126 - 0729	167 - 0711			
127 - 0730	168 - 0712			
128 - 0743	169 - 0713			
129 - 0766	170 - 0714			
130 - 0768	171 - 0715			
131 - 0769	172 - 0736			
132 - 0770	173 - 0740			
133 - 0782	174 - 0741			
134 - 0783	175 - 0742			
135 - 0784	176 - 0751			
136 - 0784A	177 - 0751A			
137 - 0785	178 - 0752			
138 - 0801	179 - 0752A			
139 - 0802	180 - 0752B			
140 - 0819	181 - 0753			
141 - 0825	182 - 0754			
142 - 0859	183 - 0755			
143 - 0860	184 - 0756			
144 - 0864	185 - 0757			
145 - 1115	186 - 0758			
146 - 1116	187 - 0759			
147 - 1120	188 - 0806			
148 - 1135	189 - 0807			
149 - 1153	190 - 0808			
150 - 1153B	191 - 0809			
151 - 1154	192 - 0845			
TOTAL MH INSPECTIONS		RATE_	TOTAL BILLING	

Appendix D: Model Results



Manhole Inventory

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0002	28.12			
0003	53.6		2400	
0006	24.9			
0007	25.52		13130	
0008	26.86		13130	
0009	28.24		13130	
0010	27.78		13130	
0011	16.53		13130	
0012	16.37			
0013	16.45			
0014	16.4			
0015	16.51			
0016	16.37		2400	
0017	16.48		2400	
0021	27.21			
0022	35.83			2630
0023	36.5		7090	
0024	38.6		7090	
0025	37.97		7090	
0026	38.2		7090	
0027	38.41		7090	
0028	40.42		7090	
0029	40		7090	
0030	39.61		7090	
0031	57.08		7090	
0032	58.68		7090	
0033	59.3			
0034	86		7090	
0035	89		7090	
0036	90.89			
0037	96.61		7090	
0038	91.35		7090	
0039	58.17		7090	
0040	88.76		7090	
0041	58.88		7090	
0042	85.28		7090	
0043	58.96			2630
0044	60.19			
0045	84		1490	
0046	57.5		7090	
0047	58.71			
0048	86.16		1490	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0049	56.04		7090	
0050	57.38			
0051	88.34		7090	
0052	54.85		7090	
0053	88.34		7090	
0054	51.06		7090	
0055	83.06		7090	
0060	62.25		2400	
0061	68.17		2400	
0062	81.83		2400	
0063	79.85		2400	
0070	70.26			
0071	70.61		1650	
0072	76.514		1650	
0073	78		2400	
0074	80.12			
0075	84.57		2400	
0076	150		2400	
0077	215.67		1650	
0078	82.671		2400	
0079	97.22		2400	
0080	95		2400	
0081	142.99		1650	
0082	195.23		1650	
0083	213		1650	
0084	214.046			2630
0085	210.72		1650	
0086	113.42		2400	
0087	78.3		2400	
0088	79.41		1650	
0089	82.79		1650	
0090	84.3		2400	
0091	86.92		2400	
0101	48.91		1650	
0103	65.76			
0104	73.44		1650	
0105	85.4		1650	
0106	92		1650	
0107	93.74		1650	
0108	67.16		1650	
0109	66.97		1650	
0110	75			600
0111	67.58			
0112	57.33		1650	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0113	57.34		1650	
0114	81.86		2400	
0115	55.912		2400	
0116	62		2400	
0121	51.55		2400	
0122	64.61		2400	
0123	82.53		2400	
0124	103.73		2400	
0125	83.38		2400	
0126	73.89		2400	
0127	72.56			
0128	78.61		1650	
0129	74.68			
0130	84.31		1650	
0131	85.57		1650	
0134	50		2400	
0141	37.06			
0142	48.99		2400	
0151	48.34		2400	
0152	50.13		2400	
0153	50.76			
0154	50.14		2400	
0155	63.38		2400	
0156	68.307		2400	
0157	58.6		2400	
0158	70.47		2400	
0159	68.85		2400	
0160	76.41		2400	
0161	62.914		2400	
0170	13.34	ü		
0172	14.27			
0173	13.36		2400	
0174	33.01		2400	
0175	14.38			2630
0176	25.23		2400	
0201	45		2400	
0202	50.21		2400	
0203	75.52		2400	
0204	81.13			2630
0205	84.13			2630
0206	88.103			2630
0207	91.89			2630
0208	136.04		1650	
0209	140.41		1650	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0210	145.24		1650	
0211	198.56		1650	
0212	203.41		1650	
0213	145.61		1650	
0214	165.92		1650	
0215	171.93		1650	
0216	201.9		1650	
0217	157.94		1650	
0218	194.92		1650	
0219	87.669			
0220	90.177		2400	
0221	153.4		2400	
0222	161.2		1650	
0223	53.37		2400	
0224	85.4		2400	
0225	54.04		2630	
0231	41.99			
0232	51.54		1650	
0233	53.59		1650	
0234	56.53		2400	
0235	83.21		2630	
0236	79.76		1650	
0241	38		2640	
0242	51.04		1820	
0243	52.47		1820	
0244	52.46			
0245	53.5		2640	
0246	65		2640	
0247	84.11		2640	
0248	83.906			
0249	84.277			
0250	84.326			2630
0251	85.344			
0252	95.16			2630
0253	118.91		2640	
0254	129.98		2640	
0255	129.36			
0256	153.92		1820	
0257	167.31		7260	
0258	186.33		1820	
0259	155		1820	
0260	164.42		1820	
0261	175.34			
0262	172.54			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0263	183.25		1820	
0264	196		1820	
0265	179.36		1820	
0266	196.168		1820	
0267	189		19970	
0268	176.248		1820	
0269	180		19970	
0270	136.14		2640	
0271	150		2640	
0272	142.83		2640	
0273	151.51		1820	
0274	142.99		2640	
0275	95.09		1650	
0276	101.168		1820	
0277	102		1820	
0278	86.175			2630
0279	88.52		1820	
0280	134.01		1820	
0281	144.36		1820	
0282	148.08		1820	
0283	178.88		1820	
0284	193.451		1820	
0285	201.55		1820	
0286	160.13		1820	
0287	84.917			2630
0288	85.22			2630
0289	86.494			
0290	86.992			2630
0291	109.5		2640	
0292	121		2640	
0293	86.693			2630
0294	47.36		1820	
0295	51.35			600
0296	51.24		1820	
0297	50.76			1200
0298	49.28			1200
0299	57.59		2640	
0300	80.09		2640	
0301	84.5		2640	
0302	87.94		2640	
0303	63.23			1200
0304	85.88		2640	
0311	35.54		2400	
0312	40.27			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0313	37.77			1200
0314	43.93			1200
0315	65			1200
0316	53.47			1200
0320	192.54	ü		
0321	171.595			2630
0322	180		1130	
0323	178.08		1650	
0324	183.99		1650	
0325	197.25		1650	
0326	198.56		1650	
0327	194.5		1650	
0328	195		1650	
0329	189.318		1650	
0330	179.51		18150	2630
0501	82.2		2400	
0502	73.17		1650	
0503	32.5			
0504	36.45		1650	
0505	36.38		1650	
0506	38.97		1650	
0507	39.37		1650	
0508	40.09		1650	
0509	52.03		1650	
0510	48.84		1650	
0511	62		1650	
0512	62.81			
0513	61.75			
0514	62.47			
0515	62.76			
0516	65		1650	
0517	67.14		1650	
0518	70.37		2400	
0519	74.5		2400	
0520	78.57		1650	
0521	85		1650	
0522	84		2400	
0523	79.6		2400	
0524	89.115		2400	
0525	66			
0526	59.97		1650	
0527	60.36		2400	
0528	75.48		2400	
0529	88.32		2400	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0530	68.39		1650	
0531	75.15		2400	
0532	84.35		2400	
0533	62.476			
0534	73.99			
0535	81.91		2400	
0537	72			
0538	82.374			
0539	82.225			
0540	91.75			
0541	101.54		1650	
0542	114.51		1650	
0543	135.635		1650	
0544	153.979		1650	
0545	158.188			
0546	166.266			2630
0547	183.649			2630
0548	194.82			2630
0549	193.95		1650	
0550	200.6		1650	
0551	142.46		1650	
0552	173.32		1650	
0553	86.03			
0554	100.11			
0555	105		1650	
0557	120		1650	
0558	123			
0559	130		1650	
0560	140		1650	
0561	164.96		1650	
0562	176.45		1650	
0563	195.14		1650	
0564	150.83		1650	
0565	160.88		1650	
0566	92.223			
0567	94.353			
0568	110		1650	
0569	112			
0570	115.61		1650	
0571	70			
0572	77		1650	
0575	73			
0576	75			
0577	85		1650	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0578	92		1650	
0579	100		1650	
0580	112		1650	
0581	120		1650	
0582	63.26		1650	
0583	65		1650	
0584	65.938		1650	
0585	82.817		1650	
0586	61.98		1650	
0587	61.6		1650	
0588	75		1650	
0589	61.59		1650	
0590	40.23			
0591	91.78		1650	
0593	53.3		1650	
0594	44.43		1650	
0595	45.27		1650	
0596	30.66		1650	
0597	30.85		1650	
0598	32.49		1650	
0599	37.38		1650	
0600	36.27		1650	
0601	49.24		1650	
0602	33		1650	
0603	35.925			
0604	60			
0605	60			
0606	53.514			7880
0607	48.79			600
0608	46.6		1350	
0609	46.857			
0610	45.831			
0611	47.49			
0612	76.72		1350	
0613	83.473		1350	
0614	84.164			
0615	85.887			
0616	89.745			2630
0617	91.934			2630
0618	96.389			2630
0619	103.733			2630
0620	109			2630
0621	114.806			2630
0623	132.2			2630

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0624	137.5			2630
0625	142.5			2630
0626	148.202			2630
0627	155			2630
0628	160			2630
0629	175			2630
0630	180			2630
0631	168.33			
0632	170		1350	
0633	172.84		1350	
0634	185.87		1350	
0635	208.141		1010	
0636	212		1010	
0637	192.79		1350	
0638	198.41		1010	
0639	179.34		1350	
0640	190		1010	
0641	162			2630
0642	165		1350	
0643	105.92			
0644	136.15		1350	
0645	152.13		1010	
0646	183.64		1010	
0648	105.33			2630
0649	156.04		1010	
0650	172.56		1010	
0651	180.68		1010	
0652	125			2630
0653	174.95		1010	
0654	176		1010	
0655	120			2630
0658	176		1010	
0659	84.23			
0660	84.314			2630
0661	86.949			2630
0662	155.18		1350	
0663	152.79		1350	
0664	115		1350	
0665	130.45		1350	
0666	143		1350	
0667	147.4		1350	
0668	158.35		1350	
0669	160.73			
0670	176.1		1010	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0671	179.59		1010	
0672	187.48		1010	
0673	194.67		1010	
0674	205		1010	
0675	200.66		1010	
0676	200.27		1010	
0677	182.231		1010	
0678	181.7		1010	
0679	161.89		1010	
0680	178.036		1010	
0681	200		1010	
0682	205		1010	
0683	191.96		1010	
0684	165		1010	
0685	177.97		1010	
0686	180.78		1010	
0687	86.042			2630
0688	52.62		1350	
0689	53.2		1350	
0690	54.04		1350	
0691	54.76		1350	
0692	55.43		1350	
0693	88.37			600
0694	97.03		1350	
0695	96.85		1350	
0696	91.84		1350	
0697	47.61			
0698	50.45			
0699	88.68		1350	
0700	81.46		1350	
0701	46.085			
0702	67		1350	
0703	49.21		1350	
0704	49.37		1350	
0705	49.764		1350	
0706	65		1350	
0707	67.42		1350	
0708	54.99		1350	
0709	63.36		1350	
0710	70		1350	
0711	53.88			2630
0712	54.14			2630
0713	54.13			2630
0714	55.11			2630

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0715	56.55			2630
0717	76.99		1350	
0718	55.89			2630
0719	60		1350	
0720	55.43		1350	
0722	63.83			
0723	65.124			
0724	67.209		1010	
0725	71.57		1010	
0726	76.49		1010	
0727	73.2		1010	
0728	77.59		1010	
0729	82.59		1010	
0730	83.384		1010	
0731	85.215		1490	
0732	111.746		1490	
0734	122.63			2630
0735	120.43		1010	
0736	167.76		1350	
0737	107.53		1010	
0738	145.997		1010	
0739	94.07		1010	
0740	135.856		1010	
0741	167.491		1010	
0742	176.712			2630
0743	182.731			2630
0744	84.534		1010	
0745	93.92		1010	
0746	103			2630
0747	98.21		1010	
0748	91.04		1010	
0749	91.11		1010	
0750	78.495		1010	
0751	84.4			2630
0752	105.557			
0753	106.352			
0754	113.619			2630
0755	118.933			2630
0756	131.271		1350	
0757	136.788			2630
0758	166.387			2630
0759	182.607			2630
0761	146.68			
0762	154			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0763	165.99			
0764	174.16		1010	
0765	175.25		1010	
0766	175.2			
0767	181.77		1010	
0768	177.328			2630
0769	195.61		1010	
0770	196.61		1010	
0771	186.28		1010	
0772	169.12		1010	
0773	172		1010	
0774	147.169		1350	
0775	152.55		1350	
0776	166.07		1010	
0777	162.72		1010	
0778	163		1010	
0779	119.4			
0780	158.16		1010	
0781	172.64		1010	
0782	185.995			
0783	187.07		1010	
0784	194		1010	
0785	192.4		1350	
0786	172.87		1010	
0787	189.45		1010	
0788	158.77		1010	
0790	164.13		1010	
0791	163.43		1010	
0792	165.27		1010	
0793	186.62		1010	
0794	137.52		1010	
0795	152.75		1010	
0796	167.86		1010	
0797	170.52		1010	
0798	152.65		1010	
0799	170		1010	
0800	143.78		1010	
0801	88		1350	
0802	89			600
0805	59			
0806	80			2630
0807	92.803			2630
0808	95.033			
0809	96.39			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0810	100			
0811	105			
0812	111.91			
0813	112.44			
0815	134.59			2630
0816	140.97			2630
0817	150.251			2630
0818	165			2630
0819	177			2630
0820	181.738			2630
0821	180.39		1490	
0822	181.7			
0823	181.06		1490	
0824	182.07		1490	
0825	190		2160	
0826	194.17		1490	
0827	194.15		1490	
0828	207.52		1490	
0829	209		1490	
0830	191.29		1490	
0831	208.64		1490	
0832	210.82		2160	
0833	217.12		2160	
0834	215		2160	
0835	157.45		2160	
0836	171.24		1490	
0837	149.69		1490	
0838	170.3		1490	
0840	130.16			
0841	144.37			2630
0842	146.47		1490	
0844	150		1490	
0845	94.39			2630
0846	155		1490	
0847	167.35		1490	
0849	169.9		1490	
0850	185.3		1490	
0851	167.47		1490	
0852	175		1490	
0853	164.62		1490	
0854	168.4		1490	
0855	171.12		1490	
0856	95.745			2630
0857	118.01		2160	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0858	170.08		2160	
0859	40			600
0860	45		1130	
0861	55.73			
0862	58.77			2630
0863	56.099			2630
0864	58.091			2630
0865	68.39		2400	
0866	55.07		1130	
0867	141.78		1490	
0868	70		1650	
1001	13.11			
1002	13.21			
1003	13.3			
1004	13.73		2400	
1005	14.09		2400	
1006	14.53		2400	
1007	15.03			
1008	15.27			
1009	15.78		2400	
1010	16.45			
1011	16.79			
1012	15.785			
1013	15.49			
1014	16.11			
1016	15.06			
1017	16.04			2630
1018	15.976			
1019	16.38			
1020	16.95			
1021	18.49		2400	
1022	20.25			
1023	22.82		2400	
1024	24.71			
1025	26.55		2400	
1026	27.26		2400	
1027	29.01		2400	
1028	30.29		2400	
1029	30.13		2400	
1030	29.35		2400	
1031	29.24		2400	
1032	28.98		2400	
1033	28.42		2400	
1034	28.16		2400	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
1035	33.908		2400	
1036	30.61			
1037	42.58		1650	
1038	40.51			
1039	51.98		1650	
1040	87.46		1650	
1041	94.22		1650	
1042	53.85		1650	
1043	45.87		1650	
1044	47.64		1650	
1045	78.12		1650	
1046	82.29		1650	
1047	92.8		1650	
1048	92.716		1650	
1049	87.99		1650	
1052	33.43			2630
1053	32.79		2400	
1054	31.06			
1055	42.58		1650	
1056	45.27			
1057	47.38		1650	
1058	70.611		1650	
1059	77.74		1650	
1060	55.7		1650	
1061	61.39		1650	
1062	77.88		1650	
1065	34.68		2400	
1066	63.42		2400	
1067	28.19			
1068	32.45		2400	
1069	39.08		2400	
1070	42.13		2400	
1071	50		2400	
1072	16.25			
1073	14.54			
1074	14.34			
1075	14.72			
1076	14.82		2400	
1077	14.59		2400	
1078	14.75		2400	
1079	13.94		2400	
1080	15.08		2400	
1081	15.14		2400	
1082	15.91		2400	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
1083	17.04		1650	
1084	20		1650	
1085	17.5			
1086	17.56		1650	
1087	16.6		1650	
1088	17.07			2630
1089	16.82		2400	
1090	14.83			2630
1091	13.9			2630
1092	15.23			
1093	13.23			2630
1094	13.37			2630
1095	13			2630
1096	13		2400	
1097	13		2400	
1098	13		2400	
1099	12.87		2400	
1100	14		2400	
1101	15.14		2400	
1102	16.864		2400	
1104	15.055			
1105	16.54			
1106	15.37		2400	
1107	14.33			
1108	14.44		2400	
1110	20.43			
1111	23.36		2400	
1112	20.22		2400	
1113	25.19		2400	
1114	25		2400	
1115	28.24		2400	
1116	37.78			
1117	45.82		2400	
1119	41.48		2400	
1120	28.89		2400	
1121	38.78		2400	
1122	41.46		2400	
1123	36.17		2400	
1124	31.32		2400	
1125	17.42		2400	
1126	16.68		2400	
1127	14.11			
1128	21.67		2400	
1129	28.04		2400	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
1130	33.03		2400	
1131	33.29			
1132	30.35		2400	
1133	40.26		2400	
1134	51.308		2400	
1135	37.87		2400	
1136	35.39		2400	
1137	30		2400	
1138	22.48			
1139	20.89		2400	
1140	15.79			2630
1142	14.57			2630
1143	16.03		2400	
1144	15.6		2400	
1145	33.39		2400	
1152	57.12			
1153	65.52		2400	
1154	17.718		2400	
1155	16.98			
1156	16.88		2400	
1158	15.25		2400	
1159	15.8			2630
1160	14.396			2630
1165	143.13		1010	
1169	13.69			2630
0036A	91.08			
0081A	126.34			
0082A	178.29		1650	
0101A	37.08			
0108A	66.17			
0121A	49.37		2400	
0123A	77.268		2400	
0126A	70		2400	
0132X	92.59		1650	
0133X	84.49			
0141A	39.335		2400	
0142A	47.37			
0142B	45.79			
0142C	36.8			
0143X	53.234		2400	
0152A	49.79		2400	
0153B	50.55		2400	
0153C	50.01		2400	
0154A	54.25		2400	

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0159A	67.77		2400	
0159B	71.32		2400	
0160A	73.39		2400	
0160B	70.3		2400	
0204A	78.8		2400	
0209A	143			
0232A	51.11		1650	
0296A	54.36			1200
0324A	186.3		1650	
0324B	187.971		1650	
0324C	192.235		1650	
0324D	190.061		1650	
0324E	211.77			
0324F	217.61		1650	
0324G	200		1650	
0504A	36.44		1650	
0504B	35		1650	
0504C	34		1650	
0504D	33			
0505A	40.32		1650	
0512A	62.86		1650	
0521A	84.27		1650	
0522A	82.36		2400	
0526A	63.09			
0544A	169.867			2630
0567A	95.368		1650	
0582A	62.53		1650	
0589A	42.56		1650	
0591A	46.57		1650	
0603A	40			
0609A	46.805			
0641A	163		1350	
0648A	132.9		1010	
0652A	150		1010	
0656A	173.22		1010	
0662A	124.21			2630
0687A	83.35			
0687B	83.259			2630
0687C	83.718			
0688A	87.53		1350	
0688B	53.36			
0688C	55.76			
0688D	87.63		1350	
0693B	69.78			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
0703A	64.393			
0716X	66.01			2630
0732A	147.879		1490	
0751A	87.73			
0752A	102.049			2630
0752B	88.45			
0763A	164		1010	
0764A	174.84			
0764B	177.43			2630
0764C	175.43		1010	
0782A	183		1010	
0784A	189.8		1010	
0801A	87		1350	
0811A	102.5			2630
0816A	146.628			2630
0818A	166.45		1490	
0822A	175			
0825A	183.37			
0844A	115			
0848X	168.53		1490	
0856A	100			
0859A	35			
0860A	44			
0864A	61.5			2630
0864B	75.056		2400	
0864C	58.126			
1008A	14.76			
1008B	14.8		2400	
1014A	15			2630
1014B	15.6			
1014C	15.6			
1038A	47			
1050X	92.18		1650	
1057A	64.99		1650	
1059A	77.72			
1059B	82.44		1650	
1063A	31.38			
1063B	31.1		2400	
1067A	26			2630
1068A	33.54		2400	
1068B	36.5		2400	
1070A	47.96		2400	
1070B	41.24			2630
1073A	15			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
1076A	15.92		2400	
1077A	16.32		2400	
1078A	16.57		2400	
1079A	17.49		2400	
1080A	17.29		2400	
1081A	17.56		2400	
1082A	15.8		2400	
1083A	16.56		2400	
1084A	21.54		1650	
1085A	18		1650	
1092A	15.15			2630
1093A	15.23			
1093B	14.84			
1093C	14.83			
1094A	13.46			2630
1094B	14.93			2630
1095A	15.88		2400	
1095B	13.18			
1096A	16.09		2400	
1097A	15.65		2400	
1098A	15.28		2400	
1099A	14.99		2400	
1100A	14.8		2400	
1101A	14.73		2400	
1102A	14.6		2400	
1103X	17.2		2400	
1105A	15.57		2400	
1106A	14.8			
1107A	14.733			
1108A	14.07			
1110A	17.05		2400	
1110B	21.01			
1115A	34.14		2400	
1115B	29.35		2400	
1115C	32.5		2400	
1128A	26.079		2400	
1132A	28.92		2400	
1132B	30		2400	
1132C	29.81		2400	
1132D	32.57			
1132E	55		2400	
1132F	54.99		2400	
1132G	27.78			
1132H	27.43			

Manhole ID	Rim Elevation (ft)	Outfall to LACSD	Residential Inflow (gpd)	Commercial Inflow (gpd)
1141X	17.58		2400	
1142A	13.907		2400	
1144A	15.67		2400	
C/OA	201		1650	
C/OB	201		1650	
C0001	27	ü		
C0005	26	ü		
C0020	26	ü		
C0050	27	ü		
C0100	35	ü		
C0120	32.5	ü		
C0140	37	ü		
C0150	48.3	ü		
C0200	45	ü		
C0230	42	ü		
C0240	37	ü		
C0310	35.4	ü		
C0500	36	ü		
C2107	30	ü	2400	
C2109	31	ü		
Cap	100			3500
CAP1	25			
Cap2	182.7			
Cap3	85			
Cap4	39			
CAP5	120			
CAP6	120			
CO_0596	32			
CO2	90			
MB	60	ü		
PS	17			

FIELD VERIFICATION

The hydraulic modeling relies on survey data input. The majority of City owned manholes were surveyed for rim elevation and pipe invert elevations. However, some manholes were inaccessible during survey and data was not collected. During modeling, the missing data was estimated based on rim elevations, if available, and the elevations of adjacent pipes. The inexact nature of the estimated data increases the error inherent in the model results. It is recommended that this estimated data be field verified to help validate the model results. Table D-1 lists the estimated rim elevations for manholes and Table D 2 lists estimated pipe inverts.

Table D 1: Estimated Rim Elevations

Manhole with Estimated Rim Elevation	Estimated Rim Elevation
0023	36.5
0026	38.2
0029	40
0045	84
0046	57.5
0073	78
0076	150
0080	95
0083	213
0087	78.3
0106	92
0110	75
0126A	70
0134	50
0241	38
0245	53.5
0259	155
0264	196
0267	189
0269	180
0271	150
0277	102
0292	121
0315	65
0322	180
0324G	200
0328	195
0503	32.5
0504B	35
0504C	34
0504D	33
0511	62
0516	65
0519	74.5
0521	85

Manhole with Estimated Rim Elevation	Estimated Rim Elevation
0522	84
0525	66
0537	72
0555	105
0557	120
0558	123
0559	130
0560	140
0568	110
0571	70
572	77
0575	73
0576	75
0577	85
0578	92
0579	100
0580	112
0581	120.00
0583	65
0588	75
0602	33
0603A	40
0604	60
0605	60
0620	109
0624	137.5
0625	142.5
0627	155
0628	160
0629	175
0630	180
0632	170
0636	212
0640	190
0641	162
0641A	163
0642	165
0652	125
0652A	150
0654	176
0655	120
0658	176
0664	115
0666	143
0674	205
0681	200
0682	205
0684	165
0706	65
0710	70
0719	60

Manhole with Estimated Rim Elevation	Estimated Rim Elevation
0746	103
0762	154
0763A	164
0773	172
0778	163
0782A	183
0784	194
0799	170
0801	88
0801A	87
0802	89
0805	59
0806	80
0810	100
0811	105
0811A	102.5
0818	165
0819	177
0822A	175
0825	190
0829	209
0834	215
0844	150
0844A	115
0846	155
0852	175
0856A	100
0859	34
0859A	35
0860A	33
0868	70
1014A	15
1014B	15.6
1014C	15.6
1038A	47
1067A	26
1071	50
1073A	15
1084	20
1085	17.5
1085A	18
1087	16.6
1095	13
1096	13
1097	13
1098	13
1100	14
1100A	14.8
1102A	14.6
1103X	17.2
1106A	14.8

Manhole with Estimated Rim Elevation	Estimated Rim Elevation
1115C	32.5
1132E	55
1137	30

Table D 2: Estimated Pipe Inverts

Pipe ID	<i>Estimated Invert Elevations Denoted by *</i>	
	Upstream Invert	Downstream Invert
1014-1014B	6.16	5.85*
1014A-1016	6.93*	6.67
1014B-1014C	5.85*	5.82*
1014C-1013	5.82*	5.61
1017-1016	7.47*	6.67*
101A-C0100	30.86	27.60*
102-101	46.88*	42.23
1035-1034	32.57*	26.82
1036-C2107	25.77*	25.20*
1038A-1038	40.80*	39.05
1053-1036	29.00	25.77*
1054-C2109	25.70*	25.32*
106-105	87.00*	81.03
1063-1054	25.79*	25.72
1069-C0500	33.88	19.32*
107-1001	3.00	3.06*
1071-1070	37.43*	36.50*
1072-1014	7.32*	6.16
1084-1083	14.84*	14.10
1084A-1084	14.87	14.84*
1085-1084A	14.97*	14.92
1085-1085A	14.99*	14.97*
1086-1085	15.42	14.99*
1087-1086	16.00*	15.43
108A-1153	61.69	60.64*
109-103	62.77	61.58
1090-1014	6.34*	6.34
1095-1095B	8.50*	7.90
1095A-1095	10.68	8.50*
1096-1095	9.15*	8.50*
1097-1096	9.80	9.15*
1097A-1097	11.84	9.80*
1098-1097	10.46*	9.80*
1098A-1098	11.76	10.46*
1099-1098	11.12*	10.46*
11-PS	9.82*	9.41*
110-109	71.00*	63.05
1100-1099	11.83*	11.12

	<i>Estimated Invert Elevations Denoted by *</i>	
1100A-1100	12.50*	11.83*
1101-1100	12.53	11.83*
1102A-1102	13.50*	12.92
1103X-1102	12.93	12.95*
1105-1104	6.80*	6.66
1106-1106A	9.21	8.17*
1106A-1008	8.17*	4.13
1107-1106A	8.56	8.17*
1115C-1115B	28.00*	25.23
1120-1110	19.67	13.12*
1127-1004	11.34*	4.65*
1132B-1132C	22.00*	19.62
1132C-1132D	19.55	19.31
1132D-1132E	19.18	14.38*
1132E-1132F	14.38*	11.94*
1132F-1132G	11.94*	9.13
1132H-County	3.02	30.00*
1136-1129	32.52	22.50*
1137-1129	24.00*	22.12
1138-1128	17.81	15.00*
116-112	52.00*	47.65*
1160-1091	6.74*	7.16
1166-502	24.16*	20.09*
1196A-1096	11.64	9.15*
121-C0120	46.28	43.01*
126-126A	63.19	62.27*
134-122	50.00*	49.91*
141-C0140	31.16*	30.00*
142-143X	45.97	48.65*
151-C0150	37.81*	35.00*
153-153B	41.04	40.92*
17-16	13.20*	12.99
174-173	8.00*	7.52*
0002-C0001	24.53*	20.00*
201-C0200	38.69*	37.00*
209A-209	135.00*	134.23*
21-C02	22.97	20.00*
23-22	30.98*	30.59
231-C0230	37.66	36.00*
233-232	48.32	46.06*

	<i>Estimated Invert Elevations Denoted by *</i>	
236-232A	70.00*	47.97
24-23	31.55	30.98*
241-C0240	33.08*	31.52*
242-241	46.75	33.08*
259-256	150.00*	148.48
26-25	33.14*	32.11
260-259	159.78	150.00*
264-263	187.00*	174.45
267-262	184.00*	168.01
269-260	175.00*	159.72
27-26	34.13	33.14*
271-270	142.00*	128.30
277-276	97.00*	96.38
278-249	78.98	76.93
279-278	81.07	79.26
28-27	34.70*	34.13*
29-28	35.45*	34.70
290-252	80.75	80.00*
292-253	115.00*	112.45
294-241	39.50	33.08*
30-29	36.28*	35.45*
301-300	80.57	75.50*
311-C0310	31.67	31.52*
314-313	37.22	34.00*
315-314	58.00*	37.22
322-321	173.00*	169.37
323-322	175.32	173.00*
324B-324A	183.00*	181.35
324C-324B	185.22	183.00*
324E-324G	207.00*	196.00*
324G-324C	196.00*	185.27
328-327	192.00*	191.42
329-322	180.00*	173.00*
39-29	54.69	35.45*
41-28	54.69	34.70*
43-27	56.29	34.13*
45-44	80.00*	56.83
46-26	51.25*	33.14*
47-46	55.02	51.25*
49-25	53.27	32.11*

	<i>Estimated Invert Elevations Denoted by *</i>	
501-C05	19.73*	19.32*
502-501	20.09*	19.73*
504A-504B	30.12	28.89*
504B-504C	28.89*	26.94*
504C-504D	26.94*	24.61*
504D-503	24.61*	24.16*
511-510	45.00*	43.52
512A-511	47.40	45.00*
516-515	53.50*	53.10
517-516	63.62	58.00*
519-518	70.00*	66.36
52-24	51.24	31.53*
520-519	74.44	70.00*
521-521A	82.00*	80.89
522-522A	81.00*	79.10
522A-519	79.12	71.00*
523-518	76.38	66.35*
525-516	54.00*	53.50*
530-525	55.13	54.00*
537-515	64.00*	53.23
538-511	48.00*	45.00*
538-537	76.91	64.00*
54-23	47.22	30.98*
540-539	85.83	76.25*
544-543	147.00*	127.61
544A-544	163.35	147.00*
545-544	149.63	147.00*
550-549	195.00*	188.61*
554-553	90.00*	81.23
555-554	100.00*	90.00*
557-555	115.00*	100.00*
557-558	120.00*	115.00*
559-558	130.00*	120.00*
560-559	140.00*	130.00*
561-560	160.41	140.00*
564-558	142.51	120.00*
568-567	100.00*	89.82*
569-568	103.90	100.00*
571-514	59.00*	51.63
572-571	66.00*	59.00*

	<i>Estimated Invert Elevations Denoted by *</i>	
575-513	63.00*	50.80
576-575	65.00*	63.00*
577-576	75.00*	65.00*
578-577	82.00*	75.00*
579-578	90.00*	82.00*
580-579	102.00*	90.00*
581-580	110.00*	102.00*
584-510	60.00*	43.62
585-584	80.05	60.00*
588-587	70.00*	56.53
596-502	26.54	20.09*
60-MB	58.90	58.00*
602-502	24.56*	20.09*
603-602	26.82	24.56*
603A-603	28.45*	26.80
604-603A	30.59*	28.45*
605-604	32.28*	30.59*
606-605	35.89	32.28*
609-608	39.00*	38.00*
609-609A	39.69	39.00*
61-60	65.05*	58.75
616-615	80.00*	78.34
617-616	83.71	80.00*
620-619	105.00*	99.30
621-620	111.46	105.00*
624-623	133.00*	129.43
625-624	139.00*	133.00*
626-625	145.18	139.00*
627-626	150.00*	145.24
628-627	153.00*	150.00*
629-628	155.00*	153.00*
630-629	175.00*	155.00*
631-629	160.58	155.00*
632-631	165.00*	160.57
633-632	169.40	165.00*
636-635	208.00*	204.63
640-639	185.00*	175.38
641-628	157.00*	153.00*
641A-641	158.00*	157.00*
642-641	160.00*	157.00*

	<i>Estimated Invert Elevations Denoted by *</i>	
652-616	121.00*	85.00*
652A-652	146.00*	121.00*
653-652A	172.51	146.00*
654-653	174.00*	172.55
655-615	115.00*	78.43
656A-655	168.14	115.00*
658-656A	171.00*	168.16
664-660	110.00*	78.86
665-664	125.23	110.00*
666-665	137.00*	125.22
667-666	141.30	137.00*
674-673	200.00*	189.63
677-669	176.88*	155.00*
681-680	173.31	173.25*
682-681	180.00*	173.31*
683-682	186.98	180.00*
684-679	160.00*	156.39
706-705	49.62*	47.12
709-708	59.42	42.34*
71-70	65.78	65.00*
71-MB	65.00*	58.00*
710-709	66.00*	59.38
719-718	55.00*	50.37
72-71	74.00*	65.00*
722-605	54.27	32.28*
73-72	74.06*	74.00*
732-731	106.00*	81.82
732A-732	143.85	106.00*
74-73	74.16	74.06*
746-745	97.00*	87.10
748-745	88.00*	87.15
752-752A	100.00*	94.32
753-752	101.99	100.00*
76-75	145.00*	77.91
762-761	145.00*	142.66
763-762	156.65	145.00*
763A-766	156.66*	156.65*
764-763A	169.44	156.66*
764B-764C	174.00*	173.67*
764C-764A	173.67	171.10*

	<i>Estimated Invert Elevations Denoted by *</i>	
765-764A	171.62	171.10*
767-766	180.35	172.00*
768-766	172.49	172.00*
769-766	190.42	172.00*
77-76	210.70	145.00*
773-762	165.00*	148.00*
778-756	155.00*	124.61
782-782A	177.41	175.00*
782A-781	175.00*	165.00*
784-784A	188.00*	184.00*
784A-783	184.00*	182.37
794-752	133.80	100.00*
799-798	165.00*	147.71
80-79	92.20	80.00*
801-801A	84.00*	83.00*
801A-751	83.00*	81.80*
802-801	85.00*	84.00*
806-805	72.00*	55.00*
807-806	84.71	72.00*
810-809	96.00*	92.11
811-811A	100.00*	98.00*
811A-810	98.00*	96.00*
812-811	104.81	100.00*
813-812	108.29	104.81*
818-817	155.00*	145.33
818A-818	159.72	155.00*
819-818	172.00*	155.00*
81A-80	123.41	92.20*
820-819	176.62	172.00*
822-822A	176.66	168.00*
822A-818A	168.00*	159.75
825-825A	186.00*	180.42
829-828	204.00*	203.04
83-82	198.00*	189.08
834-833	211.00*	209.25
84-83	206.68	198.00*
844-844A	142.00*	108.00*
844A-808	108.00*	89.07
846-845	149.00*	86.37
847-846	161.28	149.00*

	<i>Estimated Invert Elevations Denoted by *</i>	
852-851	169.00*	161.81
859-859A	37.83*	31.86*
859A-603	31.86*	27.00
860-860A	29.16	40.47*
860A-859	40.47*	37.83*
868-516	63.00*	58.00*
87-73	74.10*	74.06*
88-70	75.70*	65.79
89-88	80.21	75.70*
C/O-596	27.00*	26.54*
C/O-748	89.00*	88.00*
C/OA-550	196.00*	195.00*
C/OB-550	196.00*	195.00*
C2107-1023	25.50*	16.82
CAP-1021	25.00*	14.27
Cap-141A	37.00*	35.94*
Cap-567	96.00*	91.06*
Cap-731	83.00*	81.50*

Appendix E: E-Size Maps

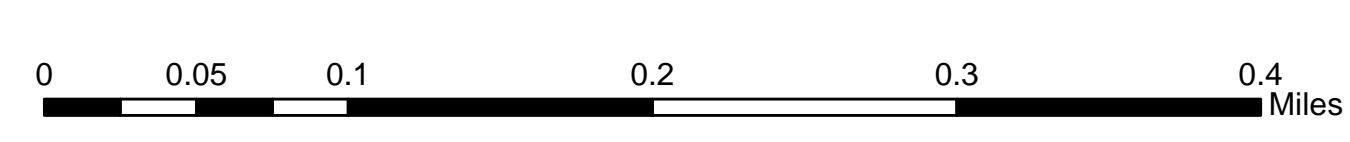
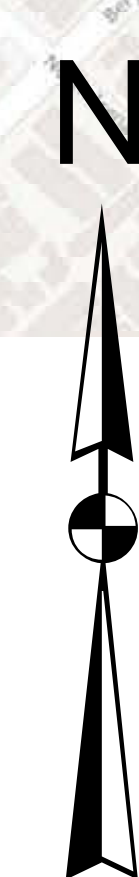
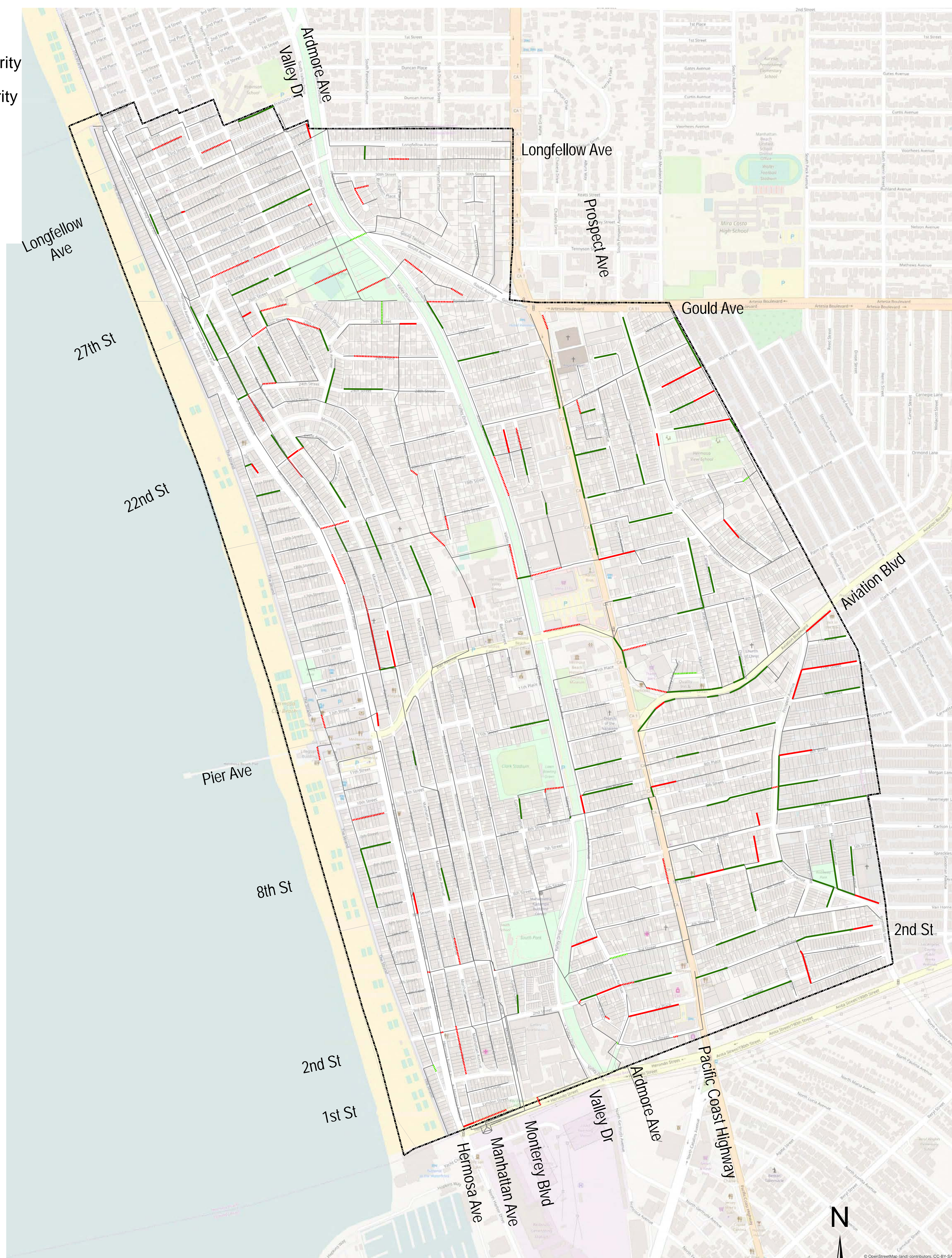


Recommended Structural Rehabilitation



Legend

- Sewer Pipelines
- Replacement - High Priority
- Replacement - Low Priority
- Relining - High Priority
- Relining - Low Priority
- City Parcel
- City of Hermosa Beach



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High d/D Locations - Existing Conditions



Legend

— South Bay Cities Main Trunk Line

— Herondo Street Sewer Line

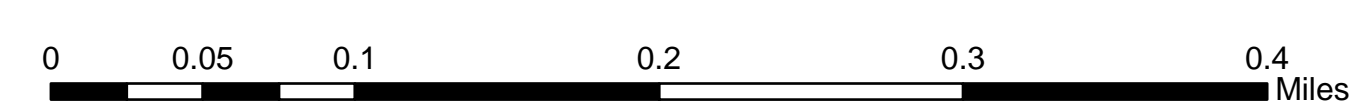
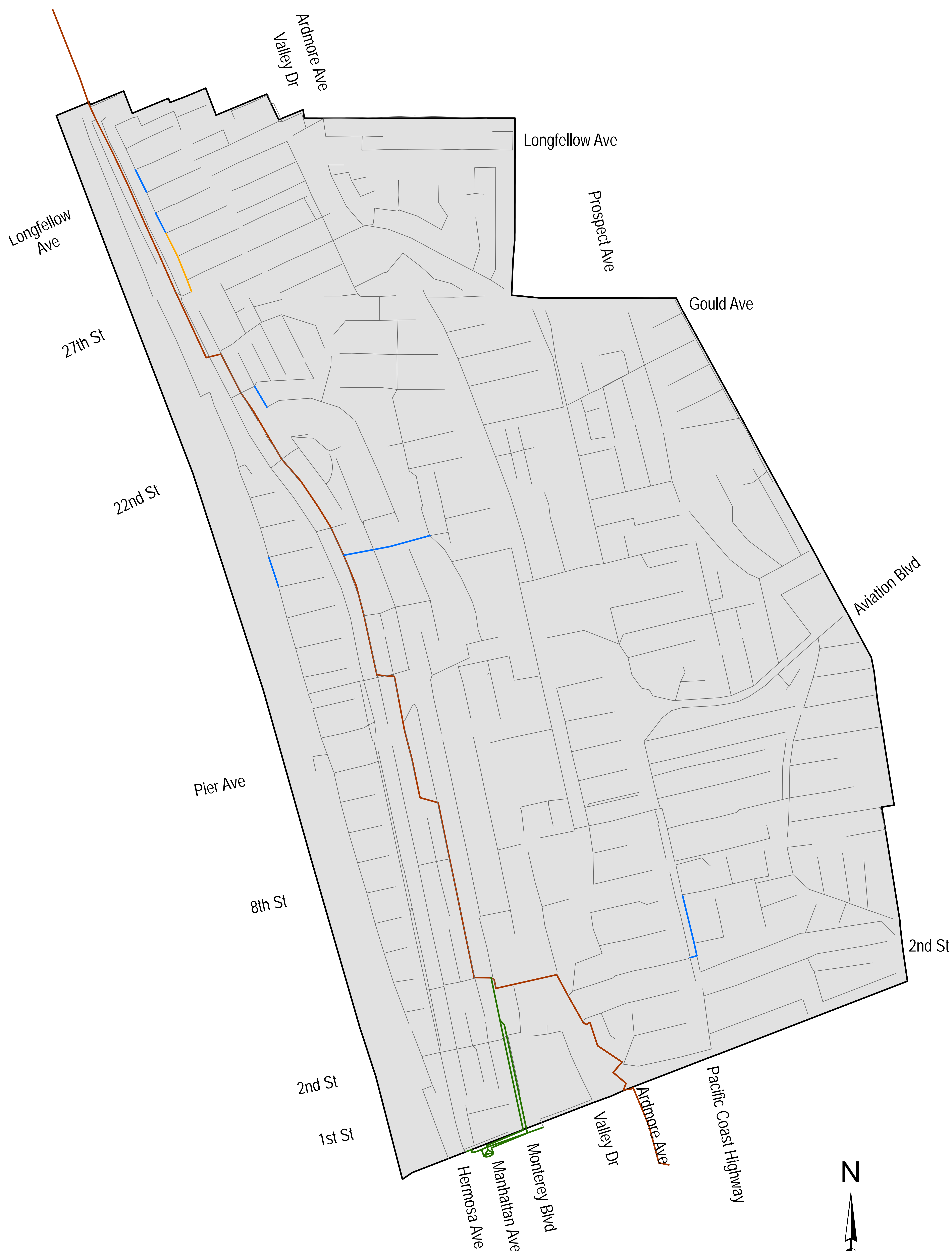
Max d/D (depth/diameter)

— 0 to 0.5

— >0.5 to 0.75

— >0.75 to 1.0

City of Hermosa Beach

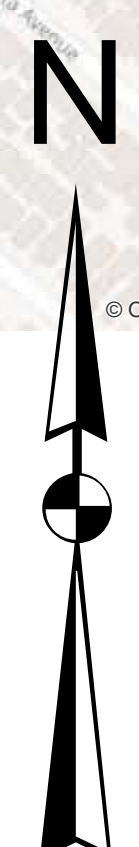
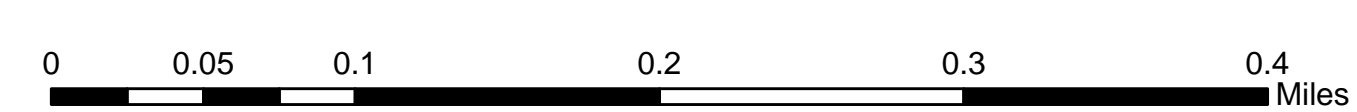


Manhole Replacement/Rehabilitation



Legend

- Manhole Replacement
- Manhole Rehabilitation
- City of Hermosa Beach Sewer Line
- ▭ City of Hermosa Beach



Sewer Master Plan • August 2017



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