

June 20, 2013

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations

FROM: Robert Swartz
Field Operations



**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0910A**

This memo is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television (CCTV) inspection of 138,970 feet or approximately 6.6 percent of the sewer system within Unincorporated County maintained by the District's South Yard.

The attached report outlines the structural and maintenance ratings of our system based on the Pipeline Assessment and Certification Program's rating methodology. Included in the report are the following:

- Condition Assessment Report
- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Report Priority List and Quick Maintenance Rating Map (Enclosure 2)
- High Water Levels List and Map (Enclosure 2)
- Quick Structural Rating Report Priority List, Quick Structural Rating Map, and Rehabilitation Projects Map(Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)
- CCTV Sewer Inspection Project Schedule (Enclosure 5)

The Condition Assessment Report will provide details regarding the maintenance and structural condition of our sewer mainlines. This information can be included in our agency's Sewer System Management Plan as a reference in Chapter 8.0 System Evaluation and Capacity Assurance Plan. The segments with critical maintenance issues have been cleaned and, in some instances, have been incorporated into our enhanced maintenance schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of the ongoing Accumulative Capital Outlay Project.

HK:

Attach.

bc: RS, FV, File (Y0TV0910A)

**CONDITION ASSESSMENT REPORT
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
CONSOLIDATED SEWER MAINTENANCE DISTRICT**

PROJECT NAME:	Y0TV910A	PROJECT MGR:	Eric Liu
PROJECT DATE:	07/23/10	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	1 & 4	MAP PAGE(S):	1654,1709,1753,1754 1808 &1809
Report By:	Hanna Kebede	Report Date:	05/13/2013

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 138,970 feet or 6.6 percent of the percent of the unincorporated County of Los Angeles sewer system maintained by the District's South Yard.

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP Version 6.0.1) Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project Y0TV0910A included sewer lines located in unincorporated County of Los Angeles area and in the cities of Agoura Hills, Rancho Palos Verdes, Rolling Hills Estates, and Westlake Village. Enclosed for your reference is an overview map of the project area within the unincorporated County area (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects, while a grade of 5 indicates that a pipe segment may require immediate attention. A detailed breakdown of the five possible defect grades is as follows:

Grade	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

MAINTENANCE REPORT

Our inspection revealed that approximately 85 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 15 percent of the inspected pipe segments within the Unincorporated County of Los Angeles area had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

In addition, a color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	97,449	70.1	389
2: Minor to Moderate	20,759	14.9	86
3: Moderate	10,195	7.3	37
4: Significant	9,928	7.2	38
5: Most Significant	639	0.5	2
TOTAL	138,970	100.0	552

Lateral Notices

Also included on the Quick Maintenance Rating Report Priority List are deficiencies discovered inside lateral connections to the mainline. The District does not maintain lateral lines; it is the responsibility of the property owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. A letter will be sent to the lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

High Water Levels

Our inspection revealed that approximately 95.9 percent of the system televised has adequate capacity. However, the 4.1 percent of the inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which have indicated camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50% of the diameter of sewer pipe is full of water. However, there are particular conditions in which the water level or water

mark has reached 50% or greater due to heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line. Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any. All sewer pipes where Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 50% capacity, have been outlined and analyzed on the High Water Level table in Enclosure 2. The nature of these high water level conditions is also summarized on this table.

A map showing the sewer lines with high water levels is provided in Enclosure 2.

Infiltration

Our inspection revealed that infiltration was not detected in any pipe segment in the Unincorporated County area.

STRUCTURAL REPORT

Our inspection revealed that approximately 84.9 percent of the inspected pipe segments within the Unincorporated County of Los Angeles were free of severe structural defects. However, the remaining 15.1 percent of the inspected pipe segments had a PACP structural grade of 4 and 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 74 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed repair or replacement will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 74 segments are included in Enclosure 4.

Moreover, an additional 76 segments of sewers in this area are presently concrete pipes which require rehabilitation through the installation of a pipe liner. Over time, concrete readily deteriorates in the presence of hydrogen sulfide gases produced in sewers. The installation of a plastic pipe liner will restore structural stability for these sewers for another 50 years. A map showing the sewer lines included in future lining and point repair projects is also provided in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	89,261	64.2	365
2: Minor to Moderate	8,519	6.1	31
3: Moderate	20,279	14.6	82
4: Significant	7,661	5.5	27
5: Most Significant	13,250	9.6	47
TOTAL	138,970	100.0	552

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the unincorporated areas of the County maintained by the South Yard. For your reference, the CCTV Sewer Inspection project schedule is listed in Enclosure 5.

ENCLOSURE 1:

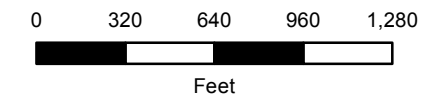
Project Overview Map

OVERVIEW MAP

CCTV PROJECT

Y0TV0910A

**Supervisorial District 1
County Unincorporated**



Legend

— SMD Sanitary Sewers

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

◊ Shallow

◇ Trap

⊗ Siphon

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

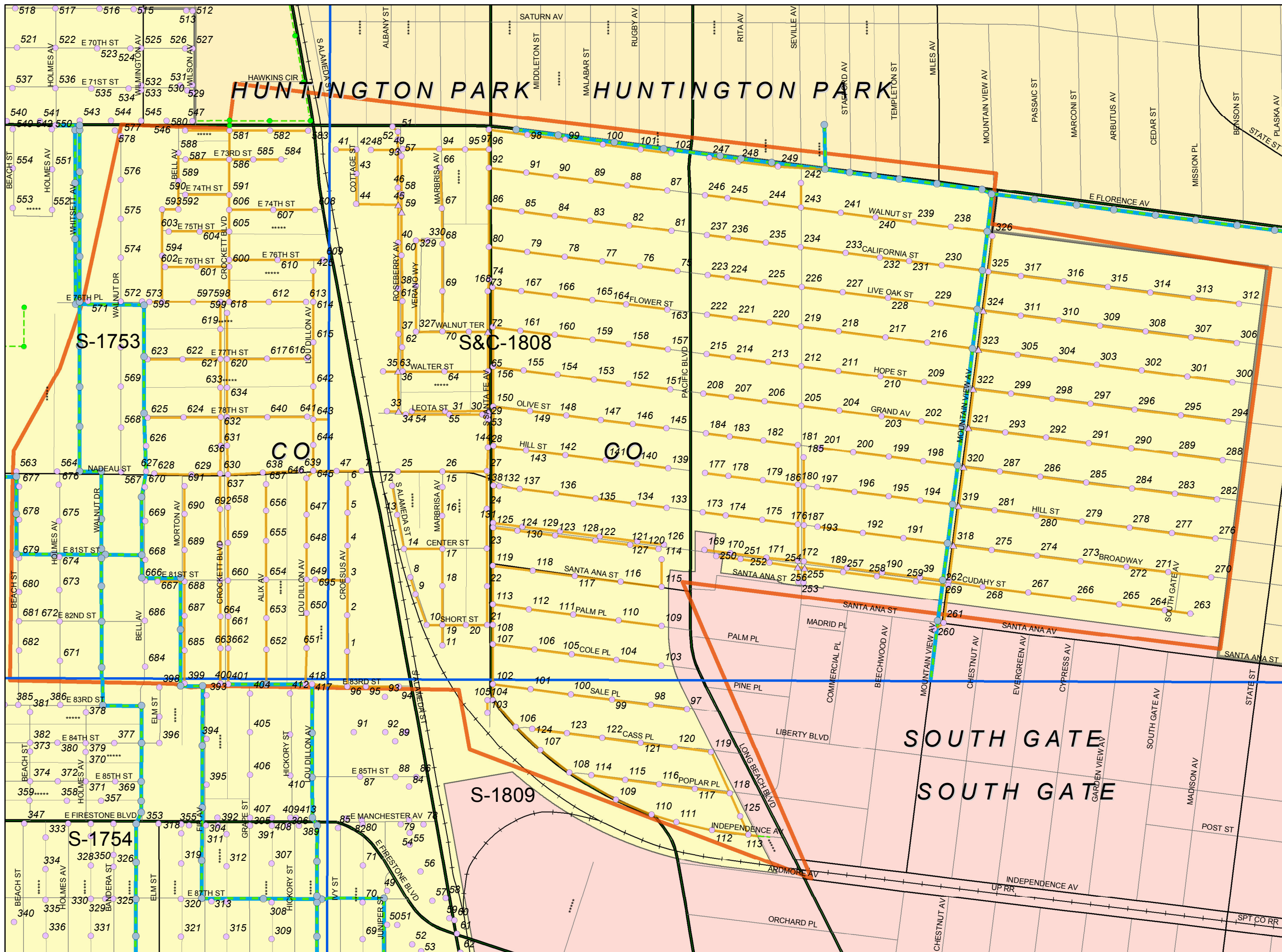
● Non SMD Maintained MH

□ SMD Operations Maps

▭ Y0TV0910A

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MARCH 2012

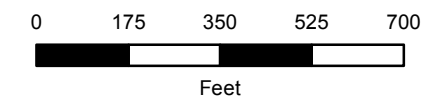
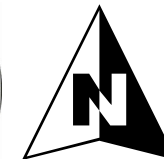


OVERVIEW MAP

CCTV PROJECT

Y0TV0910A

Supervisorial District 4
County Unincorporated



Legend

— SMD Sanitary Sewers

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

□ Shallow

◇ Trap

⊗ Siphon

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

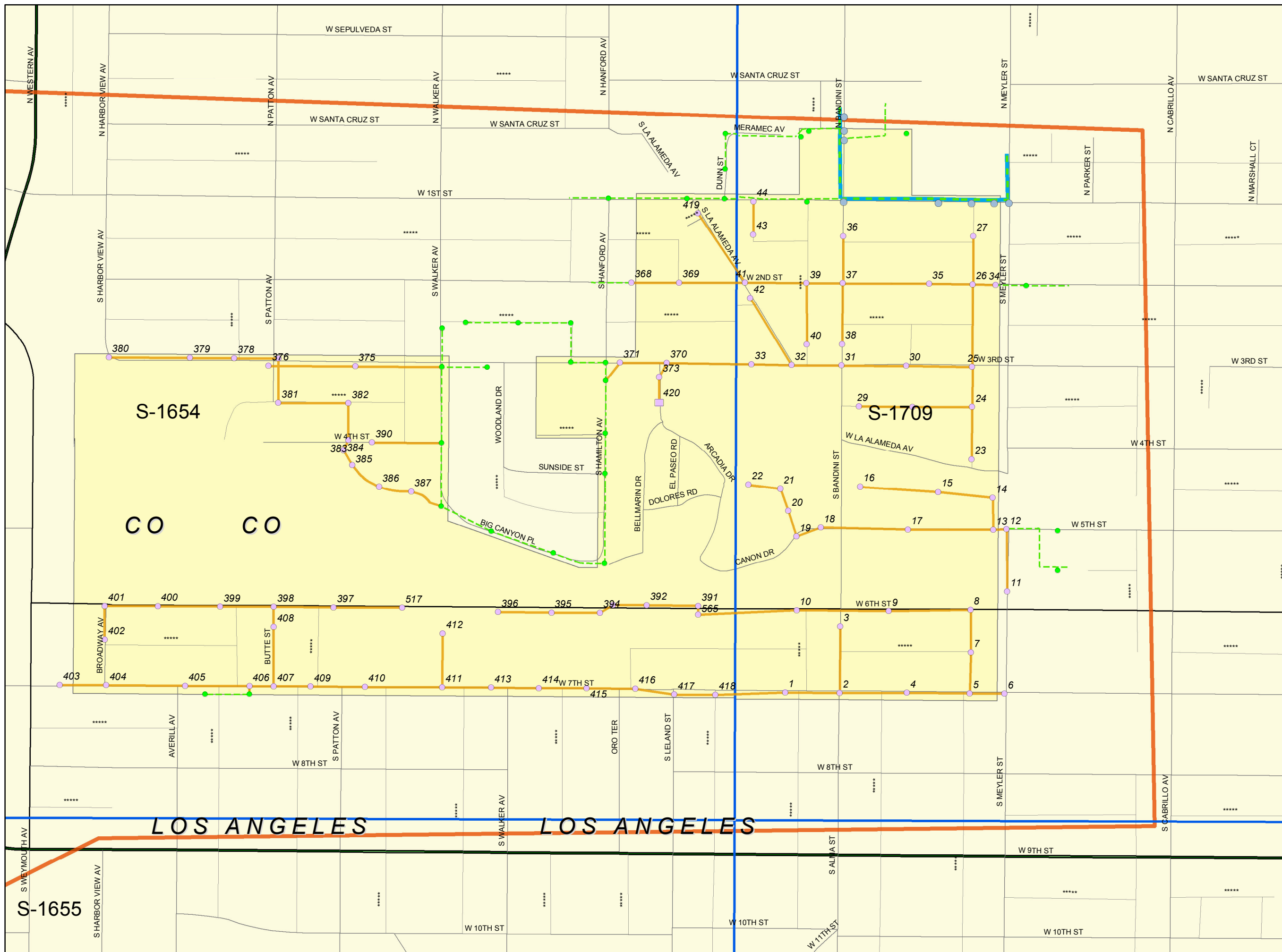
--- Non SMD Sanitary Sewers

● Non SMD Maintained MH

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ENCLOSURE 2:

- Quick Maintenance Rating Report
Priority List
- Quick Maintenance Rating Map
- High Water Levels
- High Water Levels Map
- Sample Lateral Notice Letter

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY SOUTH (Y0TV0910A)
as of 07/10/09

Item No.	QMR	Start MH	End MH	Street	Observation: Location	Corrective Action Taken (Date Completed)
1	513A	1808-TRNK	1808-0249	FLORENCE AV	Grease; high water level	hydro 9/27/11
2	5112	1808-0206	1808-0205	GRAND ST	Obstacle Thru Connection 126'	hydro 9/27/11
3	4Z11	1809-0105	1809-0106	SANTA FE AV	Deposits Ingressed Other; Camera Underwater	hydro 9/22/11
4	4B3B	1808-0321	1808-0320	MOUNTAIN VIEW AV	Camera under water; high water level	hydro 9/16/11
5	4A3O	1808-0024	1808-0023	SANTA FE AV	Camera under water; high water level; Deposits Ingressed Other	hydro 9/9/11
6	4600	1654-0413	1654-0414	7TH ST	Camera under water; high water level; Root ball lateral 178'	hydro 9/28/11
7	433A	1654-0414	1654-0415	7TH ST	Camera under water; high water level	hydro 9/14/11
8	4335	1709-0009	1709-0008	6TH ST	Camera under water; high water level 320'-339'	hydro 9/9/11
9	4332	1709-0037	1709-0035	2ND ST	Roots ball lateral: 134', 251.4' & 251.7'	Lateral notice will be sent to property owner
10	4328	1654-0373	1654-0420	EL PASEO DR	Camera under water; high water level	hydro 9/28/11
11	4321	1808-0047	1808-0007	NADEAU ST	Deposit attached in lateral: 54' & 179'	Lateral notice will be sent to property owner
12	423J	1809-0111	1809-0112	INDEPENDENCE AV	Camera under water; high water level	hydro 9/16/11
13	4233	1654-0400	1654-0399	6TH ST	Roots ball lateral: 95' & 117'	Lateral notice will be sent to property owner
14	4232	1808-0080	1808-0074	SANTA FE AV	Deposit attached in lateral: 151',170',190' & 231'	Lateral notice will be sent to property owner
15	4231	1709-0016	1709-0015	EASEMENT	Roots ball lateral: 6',13' & 219'	Lateral notice will be sent to property owner
16	413O	1809-0112	1809-0113	INDEPENDENCE AV	Camera under water; high water level	hydro 9/16/11
17	413B	1808-0098	1808-0097	FLORENCE AV	Deposits Ingressed Other; high water level	hydro 9/27/11
18	4132	1808-0125	1808-0119	SANTA FE AV	Deposits Ingressed Other; high water level	hydro 9/14/11
19	4131	1808-0093	1808-0094	ALLEY	Roots ball lateral: 66'	Lateral notice will be sent to property owner
20	412I	1809-0106	1809-0107	SANTA FE AV	High water level: 50%-60%	hydro 9/14/11
21	412I	1709-0017	1709-0018	5TH ST	Deposits Attached Encrustation	hydro 9/28/11
22	412I	1808-0122	1808-0123	CUDAHY ST	Roots Ball Joint: 119'	hydro 9/14/11
23	4115	1654-0395	1654-0394	6TH ST	Roots ball lateral: 144'	Lateral notice will be sent to property owner
24	4114	1808-0110	1808-0109	PALM PL	Roots ball lateral: 86'	Lateral notice will be sent to property owner
25	4112	1808-0058	1808-0059	ROSEBERRY AV	Alignment Down: 90%	No action needed
26	4112	1808-0033	1808-0034	LEOTA ST	Alignment Down: 90%	No action needed
27	4111	1654-0418	1709-0001	7TH ST	Roots ball lateral: 107'	Lateral notice will be sent to property owner
28	4111	1654-0377	1654-0381	S PATTON AV	Roots ball lateral: 163'	Lateral notice will be sent to property owner
29	4111	1709-0025	1709-0026	ALLEY	Alignment Down: 90%	No action needed
30	4111	1709-0020	1709-0019	EASEMENT	Roots ball lateral: 2'	Lateral notice will be sent to property owner
31	4100	1654-0419	1709-0041	LA ALAMEDA AV	Alignment Down: 90%	No action needed
32	4100	1709-0040	1709-0039	ALLEY	Alignment Down: 90%	No action needed
33	4100	1709-0027	1709-0026	ALLEY	Alignment Down: 90%	No action needed
34	4100	1709-0031	1709-0030	3RD ST	Roots ball lateral: 127'	Lateral notice will be sent to property owner
35	4100	1808-0216	1808-TRNK	FLOWER ST	Alignment Down: 90%	No action needed
36	4100	1808-0209	1808-TRNK	HOPE ST	Alignment Down: 90%	No action needed

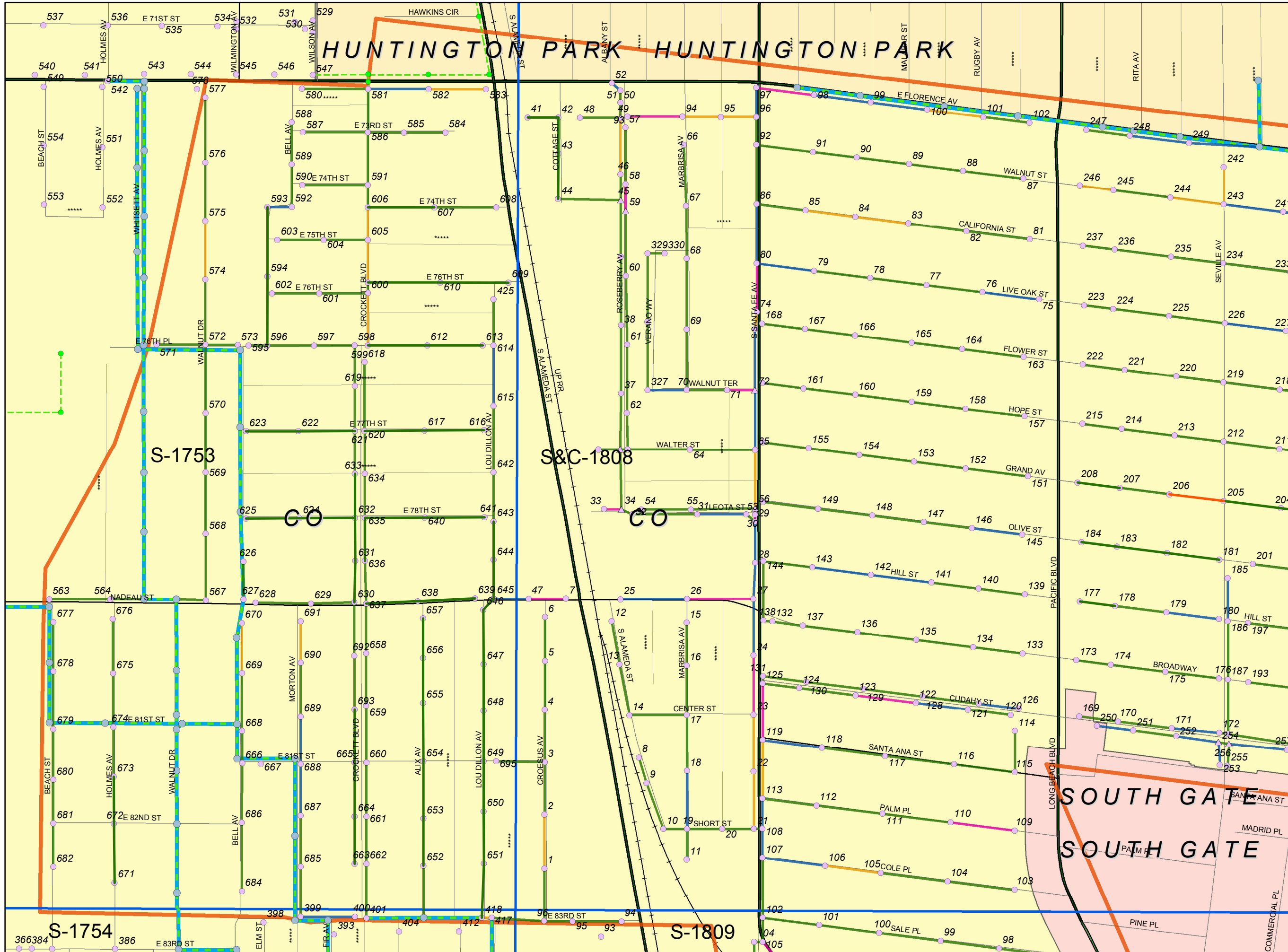
37	4100	1808-0191	1808-TRNK	BROADWAY	Alignment Down: 90%	No action needed
38	4100	1808-0071	1808-0072	WALNUT TE	Alignment Down: 90%	No action needed
39	4100	1808-0026	1808-0027	NADEAU ST	Alignment Down: 90%	No action needed
40	4100	1808-0053	1808-0029	SANTA FE AV	Deposits Attached Grease	hydro 9/27/11
41	3200	1808-0119	1808-0113	SANTA FE AV	Deposits Ingressed Other	hydro 9/14/11
42	3R28	1808-0023	1808-0022	SANTA FE AV	Deposits Ingressed Other; high water level	hydro 9/9/11
43	3M00	1808-0245	1808-0246	WALNUT ST	Deposits Ingressed Other	hydro 9/16/11
44	3F15	1809-0107	1809-0108	SANTA FE AV	High water level: 35%-40%	No action needed
45	3B2F	1808-0244	1808-0243	WALNUT ST	Deposits Attached Grease ; Roots Medium Ball Lateral 179'	hydro 9/16/11
46	3B00	1753-0582	1753-0583	FLORENCE AV	High water level: 30%-40% 0-62'	No action needed
47	3A11	1808-0046A	1808-0046	ROSEBERRY AV	High water level: 30%-50%	hydro 9/22/11
48	3721	1754-0418	1754-0417	83RD ST	High water level: 30%-40% 12-39'	hydro 9/16/11
49	3700	1753-0605	1753-0611	CROCKET BV	High water level: 30%-40% 151-181'	No action needed
50	362M	1809-0108	1809-0109	SANTA FE AV	High water level: 50%-60%	hydro 9/22/11
51	3600	1654-CITY	1654-0371	3RD ST	High water level: 35%-50% 8-35'	hydro 9/22/11
52	3600	1808-0045A	1808-0040	ROSEBERRY AV	High water level: 30%-45%	hydro 9/22/11
53	3422	1753-0605	1753-0606	CROCKET BV	High water level: 30%-40% 130-166'	No action needed
54	3412	1808-0022	1808-0021	SANTA FE AV	High water level: 30%-50%	hydro 9/9/11
55	3326	1808-0242	1808-0243	SEVILLE AV	Deposits Attached Grease	hydro 9/22/11
56	3321	1753-0669	1753-0670	BELL AV	Deposits Ingressed Other	hydro 9/16/11
57	3300	1808-0049	1808-0046A	ROSEBERRY AV	High water level: 30%-40%	No action needed
58	3300	1808-0105	1808-0106	COLE PL	Roots ball lateral: 199', 233' & 239'	Lateral notice will be sent to property owner
59	3300	1808-0065	1808-0056	SANTA FE AV	High water level: 30%-40%	No action needed
60	3227	1753-0691	1753-0690	MORTON AV	Deposits Ingressed Other	hydro 9/16/11
61	3213	1654-0381	1654-0382	ALLEY	Roots ball lateral: 56' & 167'	Lateral notice will be sent to property owner
62	3212	1753-0575	1753-0574	WALNUT DR	Roots Medium Ball Lateral 268' & 277'	Lateral notice will be sent to property owner
63	312B	1808-0094	1808-0095	ALLEY	High water level: 40% 165-193'	No action needed
64	312A	1808-0317	1808-0316	CALIFORNIA ST	Obstacle Pipe Material 76'	hydro 9/22/11
65	3119	1808-0299	1808-0322	HOPE ST	Obstacle Pipe Material 80'	hydro 9/22/11
66	3116	1808-0083	1808-0084	CALIFORNIA ST	Roots ball lateral: 168'	Lateral notice will be sent to property owner
67	3114	1654-0401	1654-0402	BROADWAY AV	Roots Medium Ball Lateral 26'	Lateral notice will be sent to property owner
68	3112	1808-0084	1808-0085	CALIFORNIA ST	Roots Medium Ball Lateral 171'	Lateral notice will be sent to property owner
69	3111	1709-0001	1709-0002	7TH ST	High water level: 40% 0-12'	No action needed
70	3111	1808-0074	1808-0073	SANTA FE AV	Deposits Attached Grease inside MH-0073	hydro 9/22/11
71	3100	1808-0221	1808-0222	FLOWER ST	Deposits Attached Grease	hydro 9/16/11
72	3100	1753-0600	1753-0599	CROCKET BV	High water level: 40% 243-249'	No action needed
73	3100	1808-0317	1808-0325	CALIFORNIA ST	Obstacle Pipe Material 284'	hydro 9/22/11
74	3100	1808-0101	1808-0100	FLORENCE AV	Deposits Ingressed Other inside Lateral 229'	Lateral notice will be sent to property owner
75	3100	1808-0095	1808-0096	ALLEY	Deposits Ingressed Other; Roots Lateral: 70' & 143'	hydro 9/28/11
76	3100	1808-0029	1808-0053	SANTA FE AV	Deposits Attached Grease 1' camera Blocked	hydro 9/28/11
77	3100	1808-0002	1808-0001	CROESUS AV	Deposits Attached Encrustation insede lateral 176	Lateral notice will be sent to property owner

ENCLOSURE 2

CCTV PROJECT Y0TV0910A

Supervisorial District 1
County Unincorporated

**QUICK
MAINTENANCE
RATING
(QMR)**



Legend

SMD Sanitary Sewers QMR

- 1: EXCELLENT
- 2: GOOD
- 3: FAIR
- 4: POOR
- 5: IMMEDIATE ATTENTION

SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910A

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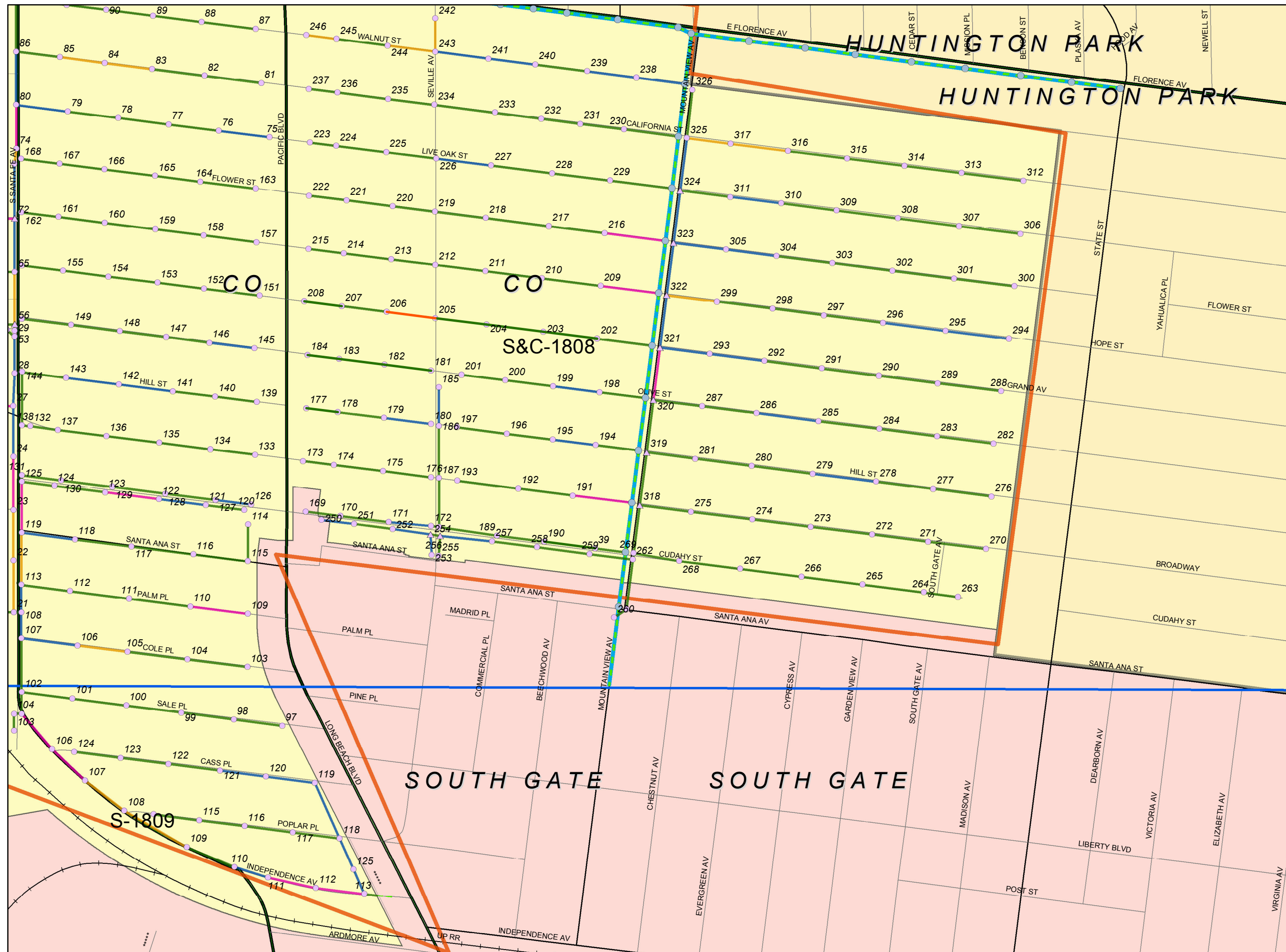
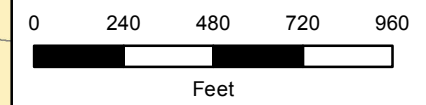
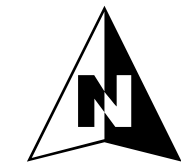
MARCH 2012

ENCLOSURE 2

CCTV PROJECT Y0TV0910A

Supervisorial District 1
County Unincorporated

**QUICK
MAINTENANCE
RATING
(QMR)**



Legend

SMD Sanitary Sewers

- QMR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION

SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910A

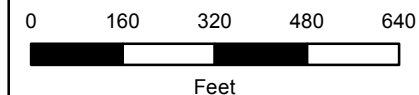
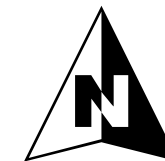
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ENCLOSURE 2

CCTV PROJECT Y0TV0910A

Supervisorial District 4
County Unincorporated

**QUICK
MAINTENANCE
RATING
(QMR)**



Legend

SMD Sanitary Sewers

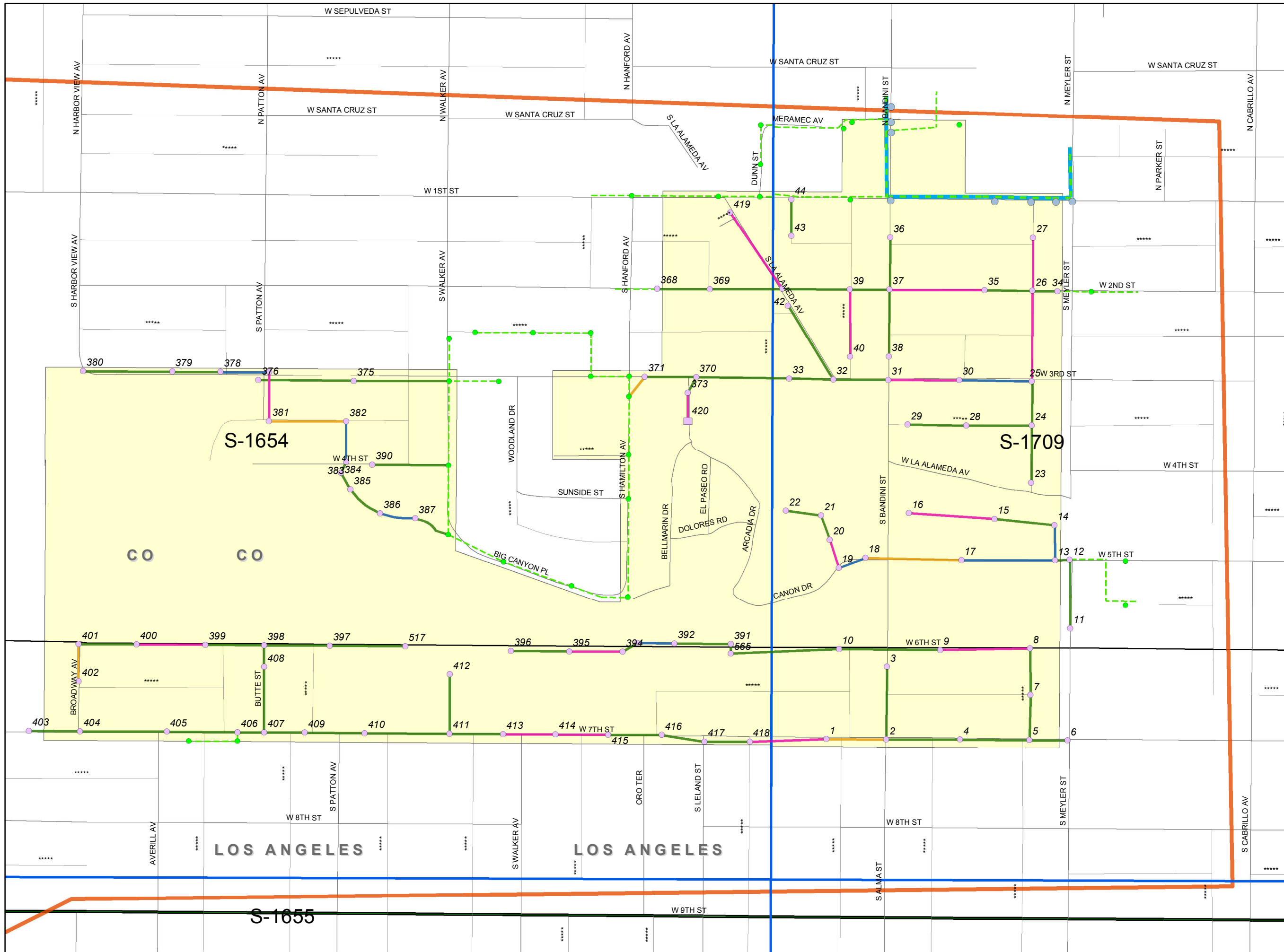
- QMR**
- 1: EXCELLENT (Green line)
 - 2: GOOD (Blue line)
 - 3: FAIR (Yellow line)
 - 4: POOR (Magenta line)
 - 5: IMMEDIATE ATTENTION (Orange line)

SMD Manholes

- Other (Circle with dot)
- Manhole Type**
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)
 - SMD Pump Stations (Red square with 'P')
 - SMD Treatment Plants (Black square with 'WTP')

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green dot)
- SMD Operations Maps (Blue outline)
- Y0TV0910A (Orange outline)



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ENCLOSURE 2
HIGH WATER LEVELS
UNINCORPORATED COUNTY SOUTH (Y0TV0910A)
as of 07/10/09

Item No.	QMR	Start MH	End MH	Street	Observation	
1	513A	1808-TRNK	1808-0249	FLORENCE AV	High water level	Entire Segment
2	4211	1809-0105	1809-0106	SANTA FE AV	Camera Underwater	Entire Segment
3	4B3B	1808-0321	1808-0320	MOUNTAIN VIEW AV	Camera under water; high water level	Entire Segment
4	4A3O	1808-0024	1808-0023	SANTA FE AV	Camera under water; high water levelr	Entire Segment
5	4600	1654-0413	1654-0414	7TH ST	Camera under water; high water level	Entire Segment
6	433A	1654-0414	1654-0415	7TH ST	Camera under water; high water level	Entire Segment
7	4335	1709-0009	1709-0008	6TH ST	Camera under water; high water level 320'-339'	19'
8	4328	1654-0373	1654-0420	EL PASEO DR	Camera under water; high water level	Entire Segment
9	423J	1809-0111	1809-0112	INDEPENDENCE AV	Camera under water; high water level	Entire Segment
10	413O	1809-0112	1809-0113	INDEPENDENCE AV	Camera under water; high water level	Entire Segment
11	413B	1808-0098	1808-0097	FLORENCE AV	High water level	Entire Segment
12	4132	1808-0125	1808-0119	SANTA FE AV	High water level	Entire Segment
13	412I	1809-0106	1809-0107	SANTA FE AV	High water level: 50%-60%	Entire Segment
14	3R28	1808-0023	1808-0022	SANTA FE AV	High water level	Entire Segment
15	3F15	1809-0107	1809-0108	SANTA FE AV	High water level: 35%-50%	Entire Segment
16	3800	1753-0582	1753-0583	FLORENCE AV	High water level: 30%-40% 0-62'	62'
17	3A11	1808-0046A	1808-0046	ROSEBERRY AV	High water level: 30%-50%	Entire Segment
18	3721	1754-0418	1754-0417	83RD ST	High water level: 30%-40% 12-39'	27'
19	3700	1753-0605	1753-0611	CROCKET BV	High water level: 30%-40% 151-181'	30'
20	362M	1809-0108	1809-0109	SANTA FE AV	High water level: 50%-60%	Entire Segment
21	3600	1654-CITY	1654-0371	3RD ST	High water level: 35%-50% 8-35'	27'
22	3600	1808-0045A	1808-0040	ROSEBERRY AV	High water level: 30%-45%	Entire Segment
23	3422	1753-0605	1753-0606	CROCKET BV	High water level: 30%-40% 130-166'	36'
24	3412	1808-0022	1808-0021	SANTA FE AV	High water level: 30%-40%	Entire Segment
25	3300	1808-0049	1808-0046A	ROSEBERRY AV	High water level: 30%-40%	Entire Segment
26	3300	1808-0065	1808-0056	SANTA FE AV	High water level: 30%-40%	Entire Segment
27	312B	1808-0094	1808-0095	ALLEY	High water level: 40% 165-193'	28'
28	3111	1709-0001	1709-0002	7TH ST	High water level: 45% 0-12'	12'
29	3100	1753-0600	1753-0599	CROCKET BV	High water level: 45% 243-249'	6'

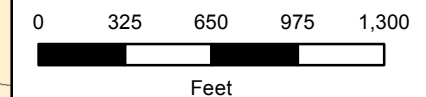
ENCLOSURE 2

CCTV PROJECT

Y0TV0910A

**Supervisorial District 1
County Unincorporated**

HIGH WATER LEVEL



Legend

— HIGH WATER LEVELS

SMD Manholes

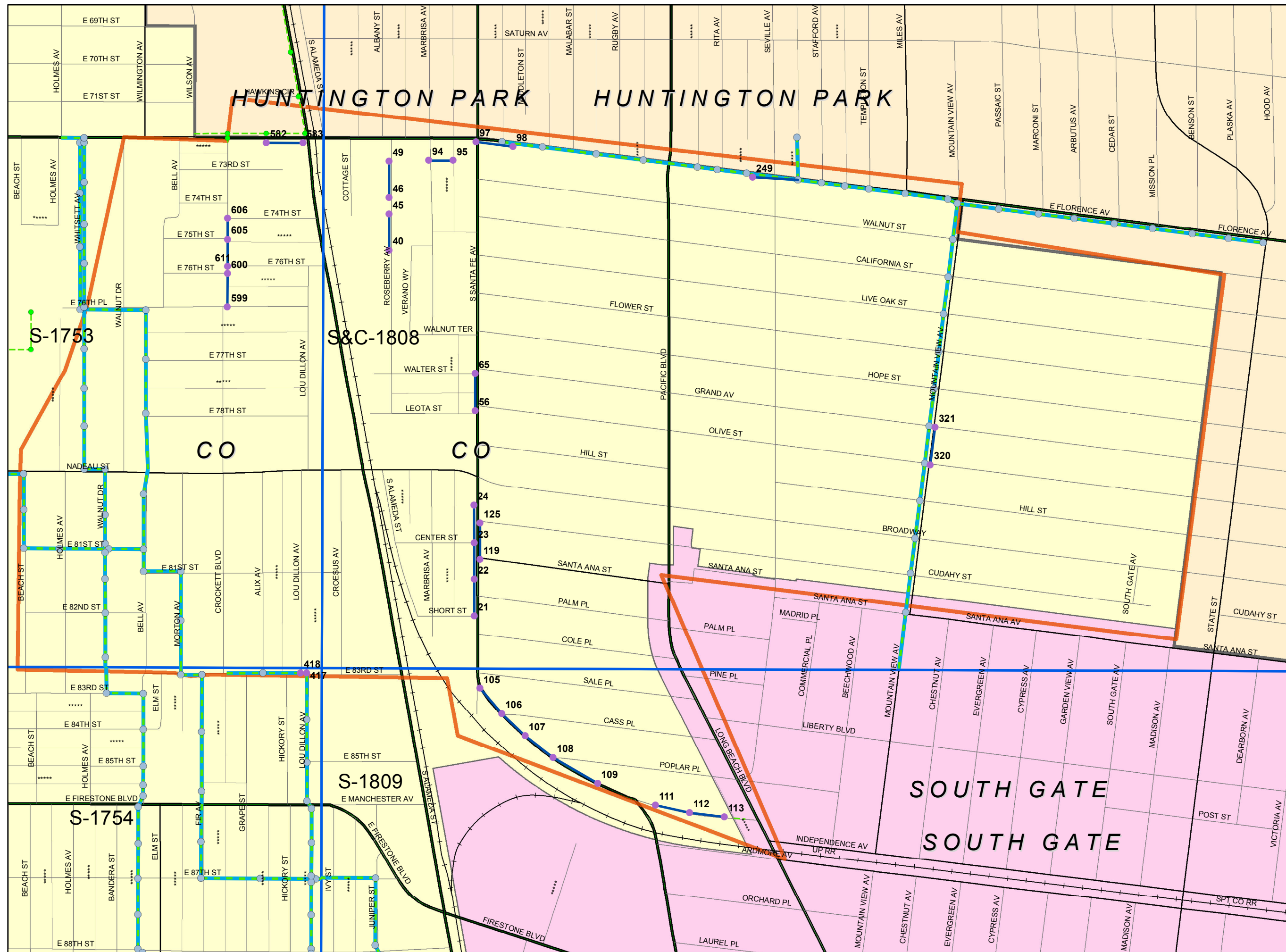
- ⊕ Other
- Standard
- ▲ DROP
- Shallow
- ◇ Trap
- ⊗ Siphon
- Ⓜ SMD Pump Stations
- Ⓜ SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- - - Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- ▭ Y0TV0910A

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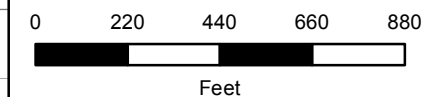
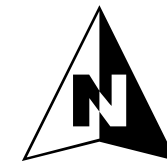
ENCLOSURE 2

CCTV PROJECT

Y0TV0910A

**Supervisorial District 4
County Unincorporated**

HIGH WATER LEVEL



Legend

— HIGH WATER LEVELS

SMD Manholes

⊕ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

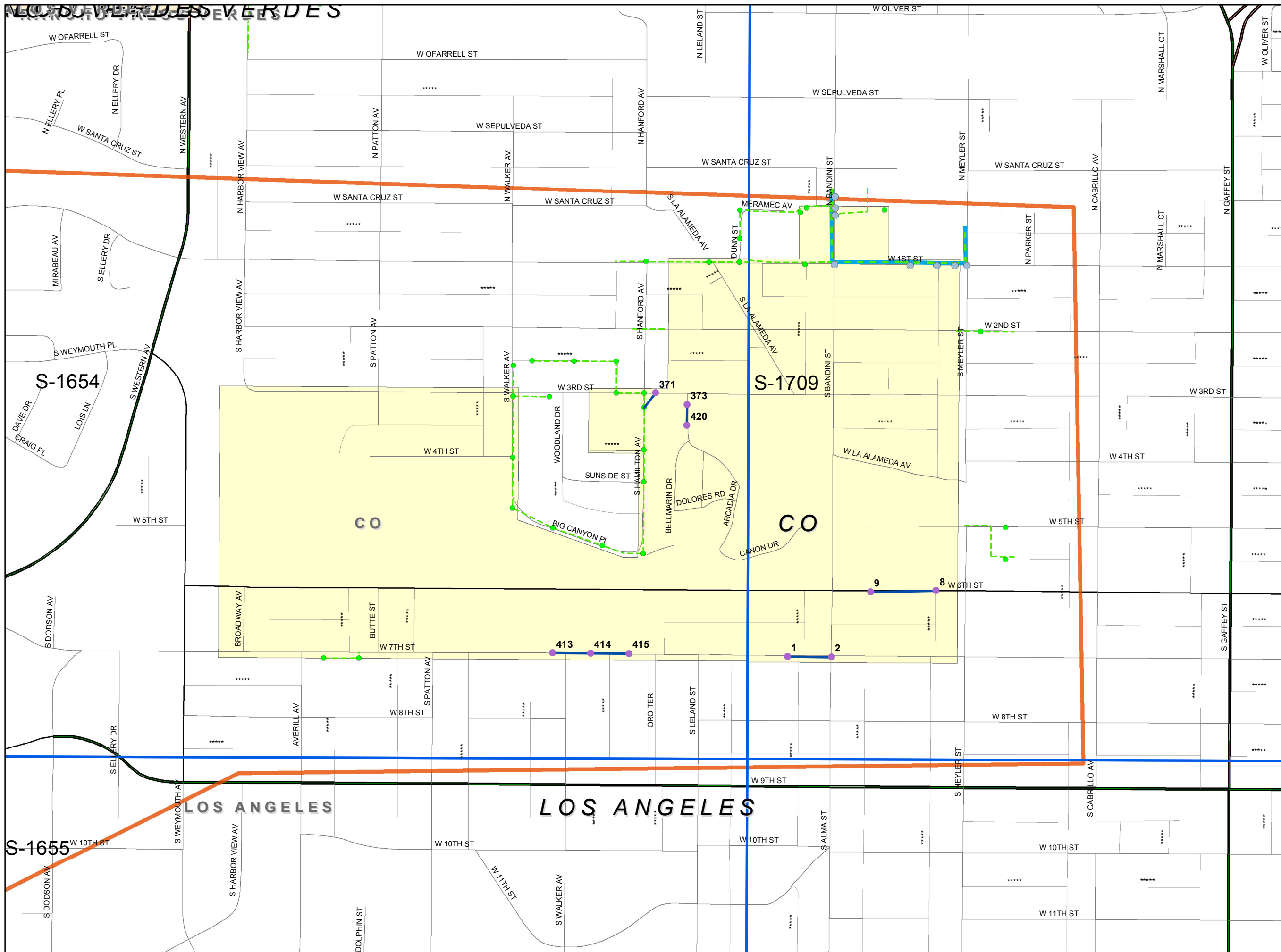
● Non SMD Maintained MH

□ SMD Operations Maps

▭ Y0TV0910A

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MARCH 2012





GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

August 19, 2010

Current Property Owner
3476 Marengo Ave
Altadena, CA 91001

Dear Property Owner:

SEWER LATERAL ROOT INTRUSION 3476 MARENGO AVE, ALTADENA, CALIFORNIA 91001

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this letter informing you that the sewer lateral serving the property located at 3476 Marengo Ave, Altadena, California 91001, requires maintenance and is in violation of **County Code 20.24.080 Maintenance of Sewer Laterals**, which states:

"All house laterals, industrial connection sewers, septic tank outlet connections to STEP system, and appurtenances thereto existing as of January 23, 1953, or thereafter constructed, shall be maintained by the owner of the property served in a safe and sanitary condition, and all devices or safeguards which are required by this Division 2 for the operation thereof shall be maintained in good working order."

Using closed-circuit television (CCTV) camera technology, the District recently televised the sanitary sewer mainline and discovered the presence of roots in your sewer lateral connection. The intrusion of the roots from your lateral may block the flow of sewage in the mainline sewer causing a sanitary sewer overflow upstream of your property.

Since the CCTV inspection, the sewer mainline has been cleaned and blockages from root growth have been removed; however, the root blockage in your sewer lateral is still present. As the property owner, you are responsible for the entire length of the sewer lateral, which includes the portion that extends beyond the property line into the public right of way. We request that you contact a qualified plumbing contractor to service

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner
August 19, 2010
Page 2

your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup. Failure to do so may result in future overflows and subject you to civil prosecution, reimbursement costs, and fines up to \$1,000. Reference 20.24.160 Violation - Penalty; 20.24.170 Continued violations; 20.32.690 Reimbursement for repairs and maintenance following violations.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at (626) 446-5227 to arrange for authorization to access the downstream manhole.

During your lateral service, your plumbing contractor must protect the District's sewer mainlines from dislodged roots and other debris by utilizing catcher baskets at the manhole downstream from your lateral connection.

After your lateral has been serviced, please notify the District office, Mr. Fernando Villaluna, Sewer Maintenance Division, at (626) 300-3380 or fvillalun@dpw.lacounty.gov.

For your reference, we have enclosed photos of your lateral connection showing the presence of the root blockage. Also enclosed are some literature on ways of minimizing sewer overflows and damage to your home.

Thank you for helping the Department of Public Works keep the public's sewers clean and in good working order.

Very truly yours,

GAIL FARBER
Director of Public Works

JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

PK:

Enc.

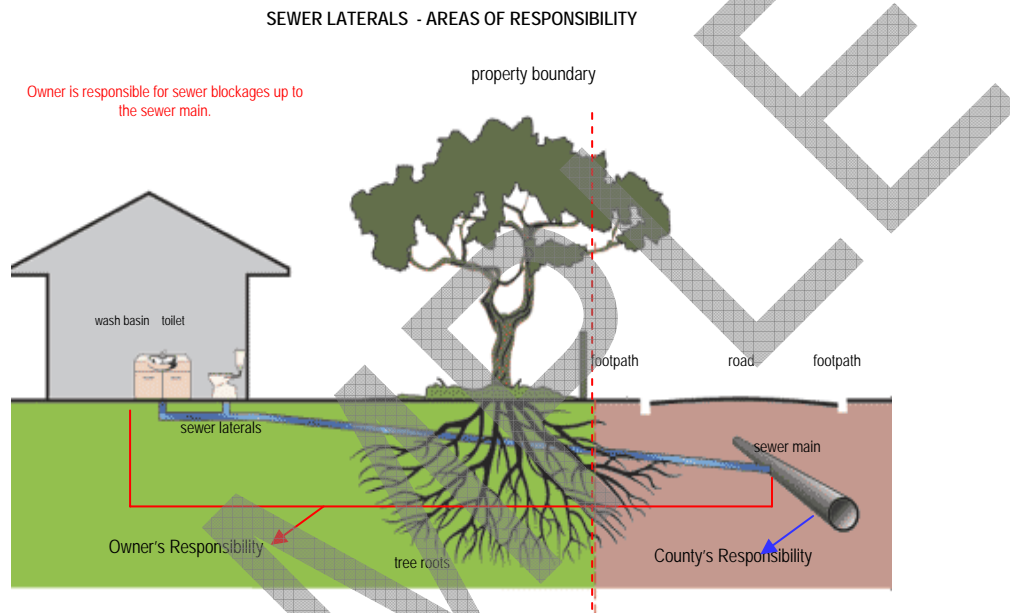
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

3476 MARENGO AVE
ALTADENA
Roots at Lateral Connection



Minimizing Sewer Overflows and Damage to Your Home

The sewer system within the County of Los Angeles Consolidated Sewer Maintenance District (District) is comprised of a series of underground pipes. Many are publicly owned; however, the sewer laterals are entirely owned by the private property owner they serve. The laterals extend from the building to the mainline within the street (or within an easement at the rear of your home). The laterals are typically four inches in diameter while the District's mainline is typically at least eight inches in diameter. The private property owner is responsible for the entire length of the lateral, which includes that portion that may be located within the public right of way (under the asphalt and street landscaping).



Sewer backups can cause tremendous damage to the interior of a home. In order to minimize these, the District provides continual maintenance services for the public sewer mainlines.

Unfortunately, sewer laterals are often not maintained by private property owners until a disaster strikes. "Out of sight, out of mind" is a typical approach to sewer lateral maintenance and operation by many. It is our hope that we can provide you various means of addressing these issues and thus minimize your risk of an overflow entering your home.

The three methods we suggest are:

1. Maintain your lateral through proper cleaning, repair, and replacement
2. Do not place improper items into the sewer or make improper connections to the sewer
 - a. Keep rainwater out of the sewer lines as it overwhelms the capacity of the sewer lines and may cause sewer spills.
 - b. Do not pour fats, oils, and grease in your drains as these products harden and stick to the inside of the sewer pipes, which build up and may eventually cause a blockage in the sewer pipe.
3. Install a backflow preventer and cleanout in your sewer lateral.

ENCLOSURE 3:

- Quick Structural Rating Report
Priority List
- Quick Structural Rating Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
YOTV0910A - UNINCORPORATED COUNTY (SOUTH YARD)
as of 07/10/09

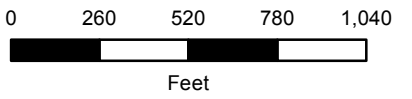
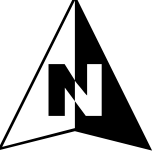
NO	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5J3Z	1808-0189	1808-0190	CUDAHY ST	Broken: 91'; surface aggregate visible (concrete pipe)	Lining: MH to MH	278
2	5F4M	1808-0238	1808-TRNK	WALNUT ST	Broken with fractures: 124'-285'; surface aggregate visible (concrete pipe)	Lining: MH to MH	286
3	5E3E	1808-0249	1808-TRNK	FLORENCE AV	Broken: 9', 15', 83', & 110'; surface aggregate visible (concrete pipe)	Lining: MH to MH	360
	5247	1808-TRNK	1808-0249		Broken: 46'-48'		
4	5C4N	1808-0287	1808-0286	OLIVE ST	Broken/multiple fractures/surface aggregate visible (concrete pipe)	Lining: MH to MH	311
	524P	1808-0286	1808-0287		Broken/fractures/cracks		
5	5C4I	1808-0188	1808-0189	CUDAHY ST	Broken: 191',267'; surface aggregate visible (concrete pipe)	Lining: MH to MH	270
6	593Z	1808-0318	1808-0269	MOUNTAIN VIEW AV	Broken/fractures/surface aggregate visible (concrete pipe)	Lining: MH to MH	295
7	593C	1808-0273	1808-0274	BROADWAY	Broken: 164'; fractures/surface aggregate visible (concrete pipe)	Lining: MH to MH	345
8	5743	1808-0229	1808-TRNK	LIVE OAK ST	Broken/fractures/surface aggregate visible (concrete pipe)	Lining: MH to MH	341
9	5400	1808-0246	1808-0245	WALNUT ST	Broken/fractures/surface aggregate visible (concrete pipe)	Lining: MH to MH	
	524H	1808-0245	1808-0246		Broken: 240'; fractures; surface aggregate visible (concrete pipe)		
10	5341	1808-0311	1808-0324	LIVE OAK ST	Broken: 312'-314' & 345'; fractures; surface aggregate visible (concrete pipe)	Lining: MH to MH; CSMD to repair base of MH 324	348
13	524A	1808-0292	1808-0293	GRAND AV	Broken: 123', 284',299',302',312', 319'; fractures; surface aggregate visible (concrete pipe)	Lining: MH to MH	348
15	5242	1808-0325	1808-0324	MOUNTAIN VIEW AV	Broken: 297'-300'; surface aggregate visible (concrete pipe)	Lining: MH to MH	303
16	523L	1808-0304	1808-0305	FLOWER ST	Broken: 75', 125'; fractures; surface aggregate visible (concrete pipe)	Lining: MH to MH	348
17	523H	1808-0305	1808-0323	FLOWER ST	Broken: 97', 107'; surface aggregate visible (concrete pipe)	Lining: MH to MH	348
	523G	1808-0316	1808-0317	CALIFORNIA ST	Broken: 247'; surface aggregate visible (concrete pipe)		
18	413B	1808-0317	1808-0316	CALIFORNIA ST	Surface aggregate visible (concrete pipe)	Lining: MH to MH	329
	514O	1808-0239	1808-0238	WALNUT ST	Broken: 14', 263'; surface aggregate visible (concrete pipe)		
19	514O	1808-0239	1808-0238	WALNUT ST	Broken: 14', 263'; surface aggregate visible (concrete pipe)	Lining: MH to MH	291
20	514A	1808-0287	1808-0320	OLIVE ST	Broken: 138', 264', 302'; surface aggregate visible (concrete pipe)	Lining: MH to MH	349
21	514Z	1808-0180	1808-0179	EASEMENT	Broken: 207'-209'; concrete pipe	Lining: MH to MH	246
22	514Z	1808-0283	1808-0282	OLIVE ST	Broken: 112', 155', 250'; concrete pipe	Lining: MH to MH	350
23	5141	1654-0396	1654-0395	6TH ST	Fractures : 138'; hole at base of MH 395	CSMD will repair base of MH 395.	
24	5141	1808-0090	1808-0091	WALNUT ST	Deformed liner: 5', 157'	Structural integrity in tact. No action needed.	
25	5141	1808-0317	1808-0325	CALIFORNIA ST	Broken/deformed: 284'; surface aggregate visible (concrete pipe)	Lining: MH to MH	
	5111	1808-0325	1808-0317	CALIFORNIA ST	Broken : 64'; surface aggregate visible (concrete pipe)		
26	5141	1808-0306	1808-0307	LIVE OAK ST	Broken: 262'; concrete pipe	Lining: MH to MH	
27	513G	1808-0296	1808-0297	HOPE ST	Fractures (concrete pipe); broken base of MH 297	Lining: MH to MH ; CSMD will repair base of MH 297.	350
28	513E	1808-0240	1808-0239	WALNUT ST	Broken: 7'; surface aggregate visible (concrete pipe)	Lining: MH to MH	292
29	513C	1808-0325	1808-0326	MOUNTAIN VIEW AV	Broken: 79'; surface aggregate visible (concrete pipe)	Lining: MH to MH	300
30	513Z	1808-0274	1808-0275	BROADWAY	Broken: 254'; surface aggregate visible (concrete pipe)	Lining: MH to MH	345
31	5131	1808-0242	1808-0243	SEVILLE AV	Surface aggregate visible: broken at base of MH 243	Lining: MH to MH; CSMD will repair base of MH 243.	163
32	5131	1808-0196	1808-0197	HILL ST	Broken: 170'; surface aggregate visible (concrete pipe)	Lining: MH to MH	207
33	5131	1809-0110	1809-0111	SANTA FE AV	Lining failure: 42'	Structural integrity in tact. No action needed.	
34	512S	1808-0301	1808-0302	FLOWER ST	Broken: 181'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
35	512L	1808-0322	1808-0299	HOPE ST	Broken : 115'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
36	5121	1709-0016	1709-0015	EASEMENT	Fracture: 262'; broken at base of MH 15	CSMD will repair base of MH 15.	
37	5121	1808-0039	1808-TRNK	CUDAHY ST	Broken: 126'; surface aggregate visible (concrete pipe)	Lining: MH to MH	270
39	5100	1808-0222	1808-0221	FLOWER ST	Broken: 3'; surface aggregate visible (concrete pipe)	Lining: MH to MH	
40	5100	1808-0221	1808-0220	FLOWER ST	Broken: 21'; surface aggregate visible (concrete pipe)	Lining: MH to MH	259
41	5100	1808-0215	1808-0214	HOPE ST	Broken: 238'; surface aggregate visible (concrete pipe)	Lining: MH to MH	260
42	5100	1808-0191	1808-TRNK	BROADWAY	Broken: 333'; surface aggregate visible (concrete pipe)	Lining: MH to MH	335
43	5100	1808-0049	1808-0046A	ROSEBERRY AV	Broken with soil visible: 71'	Structural integrity in tact. No action needed.	
44	5100	1808-0036	1808-0034	ROSEBERRY AV	Broken: 195'	Point Repair : 195'	
45	5100	1808-0054	1808-0055	LEOTA ST	Broken: 118' (inside lateral)	Structural integrity in tact. No action needed.	
46	5100	1808-0055	1808-0056	LEOTA ST	Broken: 126'; surface aggregate visible (concrete pipe)	Lining: MH to MH	320
47	5100	1808-0094	1808-0095	ALLEY	Broken: 83'	Structural integrity in tact. No action needed.	
48	4C3N	1808-0241	1808-0240	WALNUT ST	Broken: 218'; surface aggregate visible (concrete pipe)	Lining: MH to MH	292
49	473Z	1808-0119	1808-0113	SANTA FE AV	Fractures; surface aggregate visible (concrete pipe)	Lining: MH to MH	301
50	463A	1654-0400	1654-0399	6TH ST	Fractures : 10'-16', 113'-122', 160'-175'	Lining: MH to MH	301

51	4633	1654-0565	1709-0010	6TH ST	Fractures : 30', 82', 207', 214', 303', 313'	Lining: MH to MH	318
52	433F	1808-0296	1808-0295	HOPE ST	Broken: 215', 290'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
53	423Z	1808-0298	1808-0299	HOPE ST	Broken: 333'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
54	423K	1808-0297	1808-0298	HOPE ST	Broken: 171', 345'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
55	423A	1709-0002	1709-0004	7TH ST	Fractures: multiple locations (concrete pipe)	Lining: MH to MH	338
56	413Z	1808-0283	1808-0284	OLIVE ST	Cracks: surface aggregate visible (concrete pipe)	Lining: MH to MH	350
57	413Q	1808-0321	1808-0320	MOUNTAIN VIEW AV	Cracks: surface aggregate visible (concrete pipe)	Lining: MH to MH	304
58	413P	1808-0285	1808-0286	OLIVE ST	Broken: 233'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
59	413I	1808-0294	1808-0295	HOPE ST	Fractures: 319'	Structural integrity in tact. No action needed.	
60	413G	1808-0290	1808-0291	GRAND AV	Broken: 324'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
61	413D	1808-0313	1808-0314	CALIFORNIA ST	Broken: 330'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
63	413A	1654-0386	1654-0387	EASEMENT	Fractures: 118', 186'; cracks at joints	Lining: MH to MH	280
64	413A	1808-0310	1808-0311	LIVE OAK ST	Fractures: 220'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
65	4138	1709-0005	1709-0006	7TH ST	Fractures: 139'; surface aggregate visible (concrete pipe)	Lining: MH to MH	143
66	4136	1654-0399	1654-0398	6TH ST	Fractures: 43', 94', 164'; cracks at joints	Lining: MH to MH	200
67	4134	1808-0277	1808-0278	HILL ST	Fractures: 335', 345'; surface aggregate visible (concrete pipe)	Lining: MH to MH	350
68	4134	1808-0200	1808-0199	OLIVE ST	Fractures :110'; surface aggregate visible (concrete pipe)	Lining: MH to MH	310
69	4132	1808-0243	1808-0241	WALNUT ST	Fractures: 252'	Lining: MH to MH	291
70	4131	1654-0392	1654-0391	6TH ST	Fractures: 65'	Structural integrity in tact. No action needed.	
71	4131	1808-0289	1808-0288	GRAND AV	Fracture: 151'; surface aggregate visible (concrete pipe)	Lining: MH to MH	351
72	4121	1753-0564	1753-TRNK	NADEAU ST	Deformed (lining) : 160'	Structural integrity in tact. No action needed.	
73	4100	1654-0385	1654-0386	EASEMENT	Fracture: 137'	Structural integrity in tact. No action needed.	
74	4100	1808-0119	1808-0125	SANTA FE AV	Fracture: 2' (concrete pipe)	Lining: MH to MH	

ENCLOSURE 3

CCTV PROJECT Y0TV0910A Supervisorial District 1 County Unincorporated

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

- QSR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION

SMD Manholes

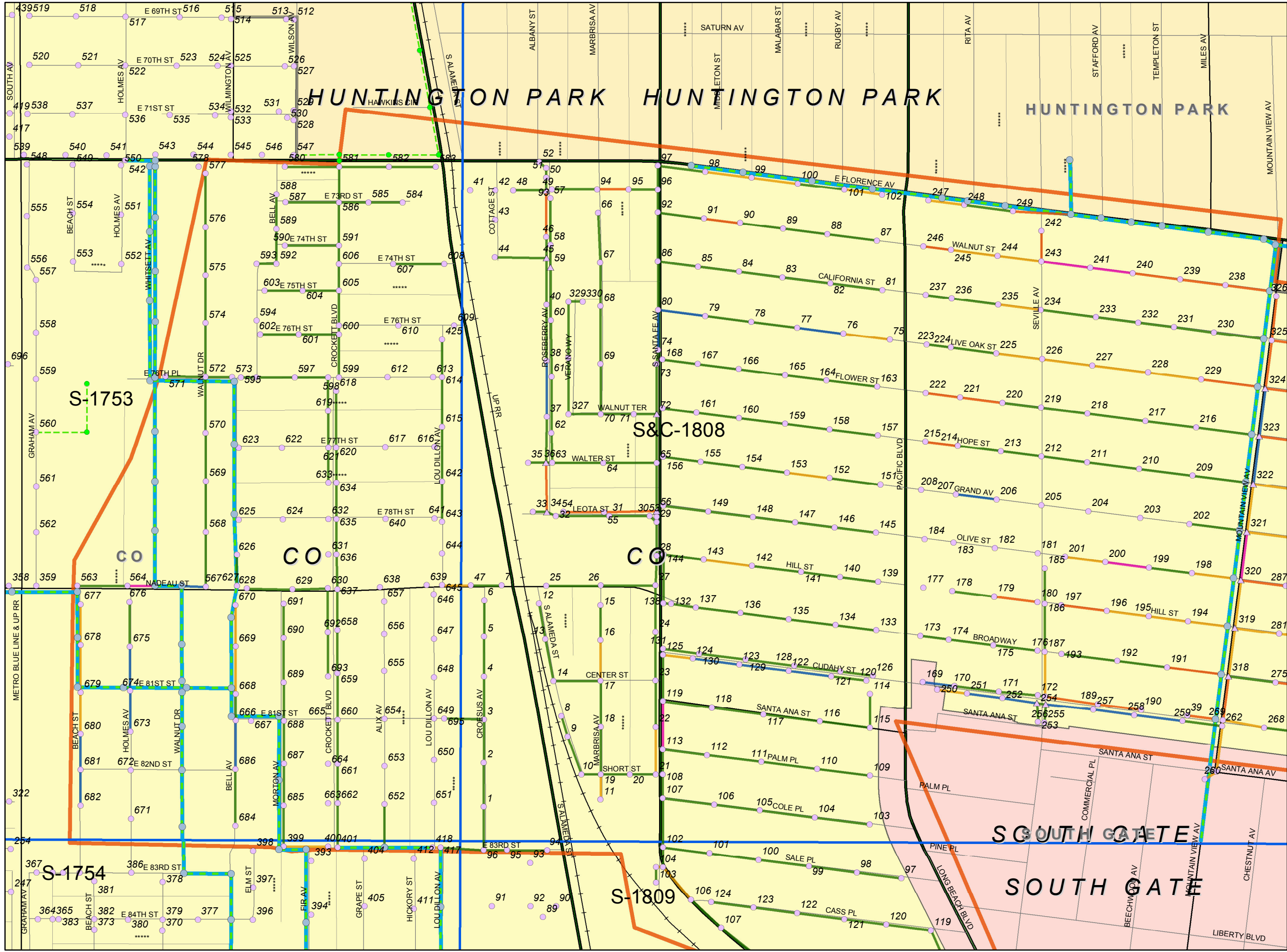
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910A

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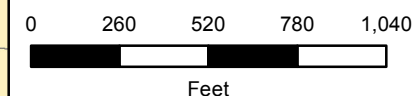
MARCH 2012



ENCLOSURE 3

CCTV PROJECT Y0TV0910A Supervisorial District 1 County Unincorporated

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers QSR

- 1: EXCELLENT
- 2: GOOD
- 3: FAIR
- 4: POOR
- 5: IMMEDIATE ATTENTION

SMD Manholes

Other

Manhole Type

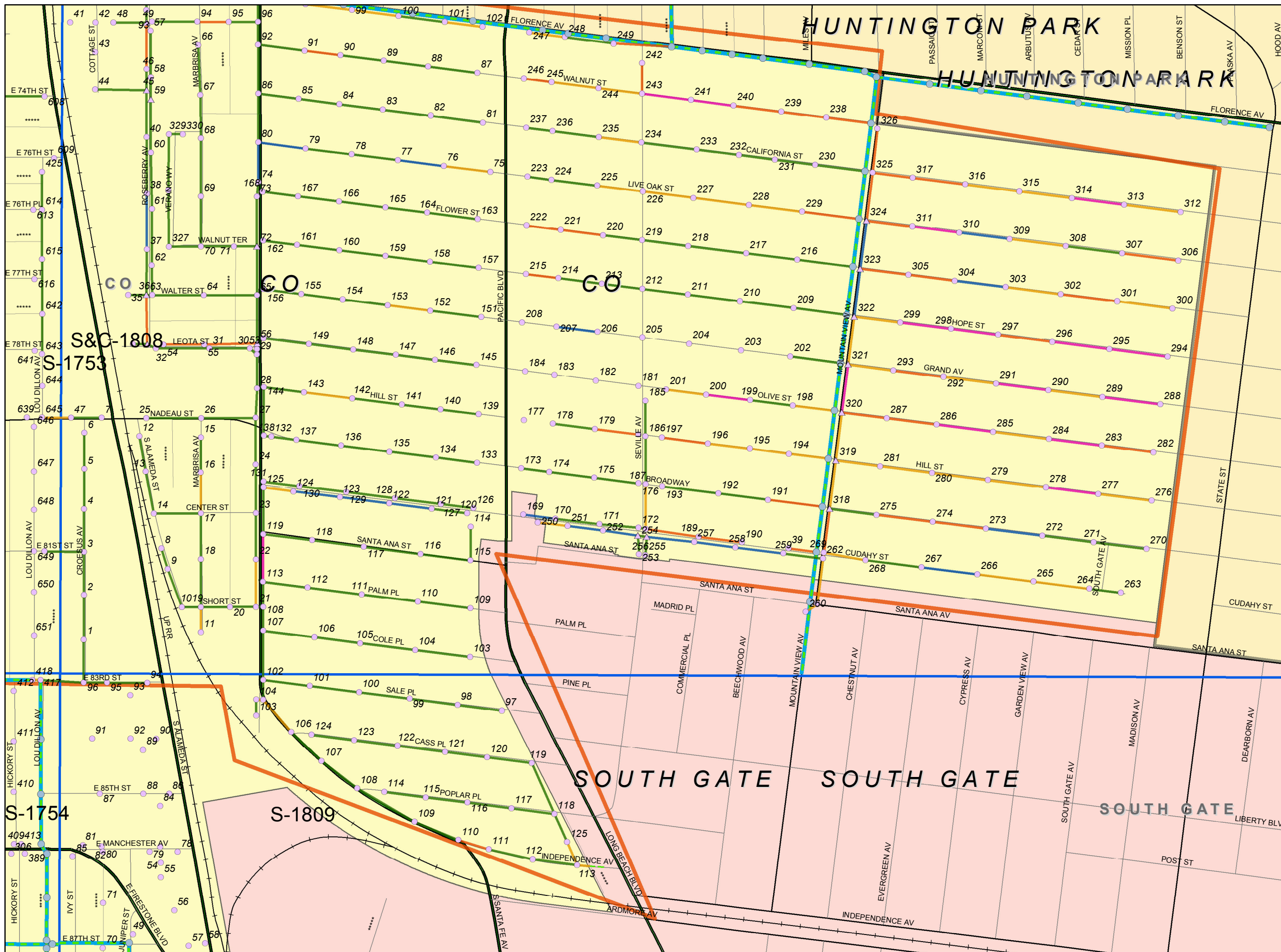
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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- Non SMD Sanitary Sewers
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- SMD Operations Maps
- Y0TV0910A

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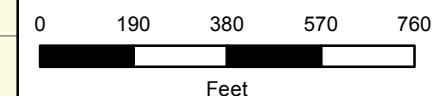


ENCLOSURE 3

CCTV PROJECT Y0TV0910A

Supervisorial District 4
County Unincorporated

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers QSR

- 1: EXCELLENT (Green line)
- 2: GOOD (Blue line)
- 3: FAIR (Orange line)
- 4: POOR (Purple line)
- 5: IMMEDIATE ATTENTION (Red line)

SMD Manholes

Other (Circle with dot)

Manhole Type

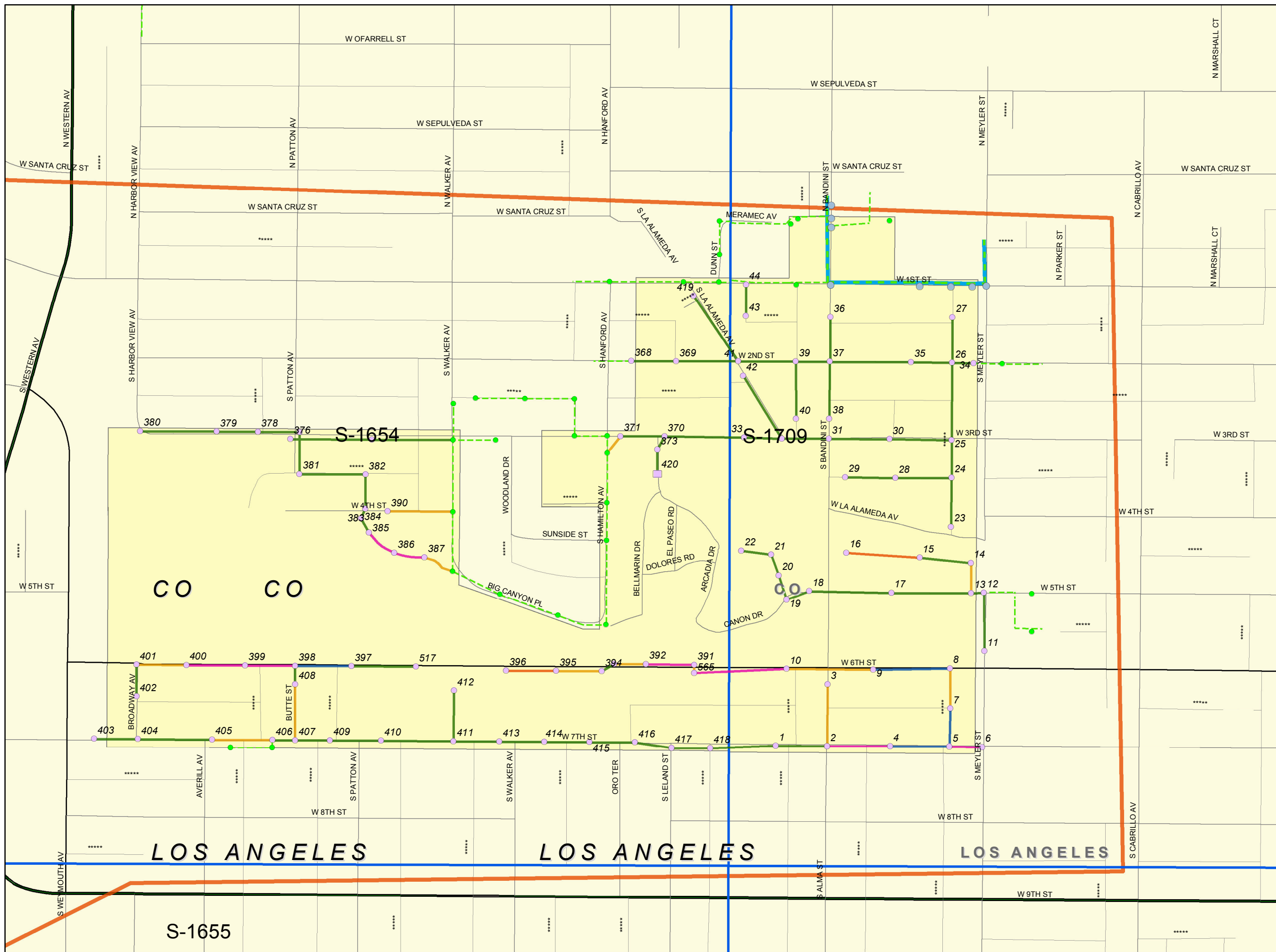
- Standard (Circle with dot)
- DROP (Triangle)
- Shallow (Square)
- Trap (Diamond)
- Siphon (Circle with cross)
- SMD Pump Stations (Red square with P)
- SMD Treatment Plants (WTP icon)

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green dot)
- SMD Operations Maps (Blue outline)
- Y0TV0910A (Red outline)

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MARCH 2012



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20100512	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2121	PSR: 59440
Total Pipe Length: 273.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/11/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: CUDAHY ST	Flow Control: Not Controlled	Start MH: 1808-0189
City: ZLAS	Year Renewed	End MH: 1808-0190
Location Code: Light Highway	Tape/Media #: G312-060	pipe length: 278.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0189/1808-0190/1808	Lining Method:
	Category:

Remark::

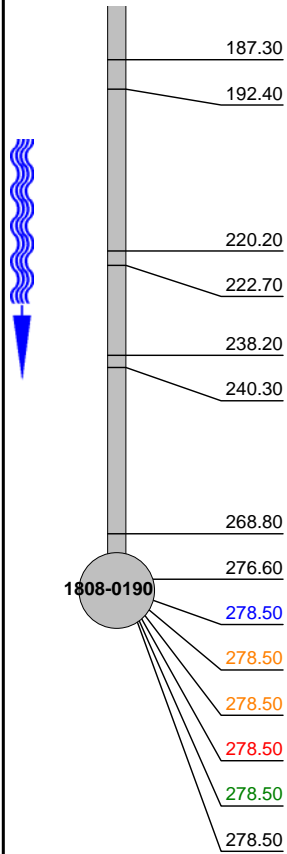
1:396	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0189	00:00:37	980	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:54	981, b	M 1
	2.00 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:44	983, b	S 2
	6.10	Water Level, 15 %, within 8 inch: NO	00:02:24	985	
	8.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:39	986	
	9.90 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:07	987, b	S 3
	39.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:22	989	
	47.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:04	990	
	51.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:38	991	
	72.30	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:31	992	
	76.10 S3	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:11	993, b	S 3
	87.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:56	995	
	91.70 S4	Broken, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:33	996, b	S 5
	91.70	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:08:54	1000, b	M 1
	100.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:53	1002	
	103.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:10:16	1003	
	115.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:10:56	1004	
	133.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:49	1005	
	139.60	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES	00:12:32	1006, b	M 1
	141.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:02	1008	
	142.40 S5	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES, Start	00:13:23	1009, b	M 1
	148.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:00	1011	
	176.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:00	1012	



Inspection report

Date: 20100512	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2121	PSR: 59440
Total Pipe Length: 273.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/11/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:396	position	observation	MPEG	photo	grade
	187.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:34	1013	
	192.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:58	1014	
	220.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:17:59	1015	
	222.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:35	1016	
	238.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:14	1017	
	240.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:20:12	1018	
	268.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:21:13	1019	
	276.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:42	1020	
	278.50	F1 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:17	1021	S 2
	278.50	F2 Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:35	1022	S 3
	278.50	F3 Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:51	1023	S 3
	278.50	F4 Broken, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:05	1024	S 5
	278.50	F5 Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES, End	00:23:20	1025	M 1
	278.50	Manhole, within 8 inch: NO, Remarks: 1808-0190	00:23:47	1026	





Inspection report

Date: 20100430	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1848	PSR: 59498
Total Pipe Length: 289.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/29/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: SANTA FE AV	Flow Control: Not Controlled	Start MH: 1808-0119
City: ZLAS	Year Renewed:	End MH: 1808-0125
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-054	pipe length: 33.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0119/1808-0125/1808	Lining Method:
	Category:

Remark::

1:75	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0119	00:00:28	14740	
	2.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:00:58	14741, b	S 4
	6.00	Water Level, 65 %, within 8 inch: NO	00:01:39	14743	
	9.60 S1	Camera Underwater, within 8 inch: NO, Start	00:01:54	14744	M 4
	33.70 F1	Camera Underwater, within 8 inch: NO, End	00:03:31	14745	M 4
	33.70	Obstacle Other, from 4 to 8 o'clock, 25 %, within 8 inch: NO	00:03:56	14746	M 4
	33.70	Abandoned Survey, within 8 inch: NO, Remarks: CAMERA BLOCKED UNDERWATER	00:04:12	14747	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4700	4	28	32	4	4	4



Inspection report

Date: 20100401	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 231	PSR: 69443
Total Pipe Length: 149.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1654-0385
City: ZLAS	Year Renewed:	End MH: 1654-0386
Location Code: Easement/Right of Way	Tape/Media #: R311-039	pipe length: 140.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0385/1654-0386/1654	Lining Method:
	Category:

Remark::

1:325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0385	00:00:24	4093	
	6.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:19	4094	
	22.90	Water Level, 5 %, within 8 inch: NO	00:02:02	4095	
	25.80	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:26	4096	
	54.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:31	4097	
	87.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:52	4098	
	108.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:05:59	4099	
	137.20	Fracture Multiple, from 7 to 1 o'clock, within 8 inch: YES	00:07:50	4100, b	S 4
	140.20	Manhole, within 8 inch: NO, Remarks: 1654-0386	00:09:15	4102	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	0000	4	0	4	4	0	4



Inspection report

Date: 20100505	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 731	PSR: 64166
Total Pipe Length: 171.00	Survey Customer: LACDPW	System Owner: RPV	Clean Date: 05/04/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: NADEAU ST	Flow Control: Not Controlled	Start MH: 1753-0564
City: ZLAS	Year Renewed	End MH: 1753-TRNK
Location Code: Light Highway	Tape/Media #: M315-015	pipe length: 162.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Polyethylene Pipe Length:
Drain. Area: 0564/1753-TRNK/1753	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
1753					
	0.00	Manhole, within 8 inch: NO, Remarks: 1753-0564	00:00:29	748	
	6.00	Water Level, 10 %, within 8 inch: NO	00:00:59	749	
	13.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:25	750	
	30.30	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL LINED CONCR	00:02:08	751	
	81.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:23	752	
	84.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:49	753	
	111.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:06	754	
	160.50	Joint Offset Large, within 8 inch: YES	00:09:27	755	S 2
	160.50	Deformed, 10 %, within 8 inch: NO	00:09:40	756	S 4
	162.20	Manhole, within 8 inch: NO, Remarks: 1753-TRNK	00:10:11	757	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	0000	6	0	6	3	0	3



Inspection report

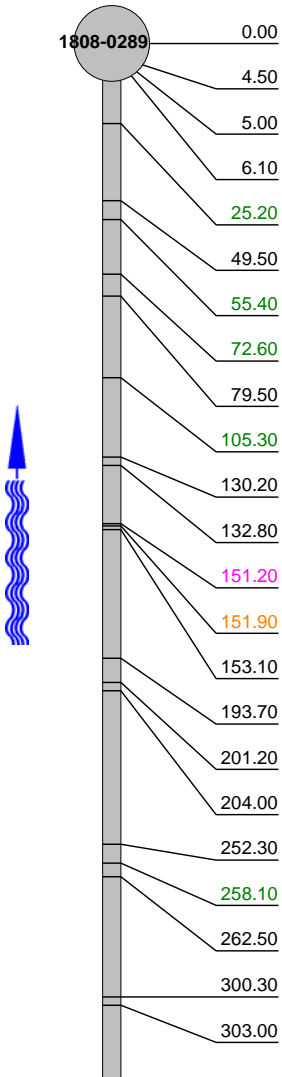
Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1742	PSR: 59412
Total Pipe Length: 363.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: GRAND AV	Flow Control: Not Controlled	Start MH: 1808-0289
City: ZLAS	Year Renewed	End MH: 1808-0288
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 351.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0288/1808-0289/1808	Lining Method:
	Category:

Remark::

1:726	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0289	00:00:33	11769	
	4.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:23	11770	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:40	11771	
	6.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:55	11772	
	25.20	Roots Fine Joint, from 2 to 3 o'clock, within 8 inch: YES	00:02:38	11773, b	M 1
	49.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:41	11775	
	55.40	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES	00:04:06	11776, b	M 1
	72.60	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:05:07	11778, b	M 1
	79.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:44	11780	
	105.30	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES, Start	00:06:32	11781, b	M 1
	130.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:29	11783	
	132.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:49	11784	
	151.20	Fracture Multiple, from 4 to 9 o'clock, within 8 inch: YES	00:08:57	11785, b	S 4
	151.90	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:30	11787, b	S 3
	153.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:57	11789	
	193.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:23	11790	
	201.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:49	11791	
	204.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:06	11792	
	252.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:28	11793	
	258.10	Joint Offset Medium, within 8 inch: YES	00:13:53	11794, b	S 1
	262.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:26	11796	
	300.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:25	11797	
	303.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:43	11798	

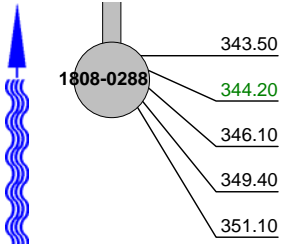




Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1742	PSR: 59412
Total Pipe Length: 363.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:726	position	observation	MPEG	photo	grade
	343.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:48	11799	
	344.20 F1	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES, End	00:16:58	11800	M 1
	346.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:15	11801	
	349.40	Material Change, within 8 inch: NO, Remarks: CAST-IRON BELL	00:17:55	11802	
	351.10	Manhole, within 8 inch: NO, Remarks: 1808-0288	00:18:27	11803	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	1N00	8	63	71	2.67	1	1.08



Inspection report

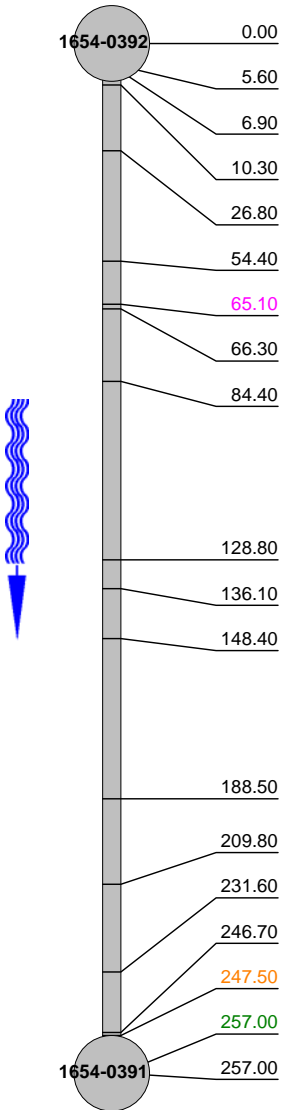
Date: 20100324	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 142	PSR: 69328
Total Pipe Length: 208.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: 6TH ST	Flow Control: Not Controlled	Start MH: 1654-0392
City: ZLAS	Year Renewed	End MH: 1654-0391
Location Code: Light Highway	Tape/Media #: R311-033	pipe length: 257 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0391/1654-0392/1654	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0392	00:00:26	2827	
	5.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:1:10	2828	
	6.90	Water Level, 5 %, within 8 inch: NO	00:01:26	2829	
	10.30	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:01:53	2830	
	26.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:39	2831	
	54.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:46	2832	
	65.10	Fracture Multiple, from 11 to 4 o'clock, within 8 inch: YES	00:04:42	2833, b	S 4
	66.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:05:19	2835	
	84.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:15	2836	
	128.80	Tap Break-in Active, at 10 o'clock, 4", within 8 inch: NO	00:07:56	2837	
	136.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:41	2838	
	148.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:09:25	2839	
	188.50	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:11:31	2840	
	209.80	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:34	2841	
	231.60	Tap Break-in Active, at 10 o'clock, 4", within 8 inch: NO	00:13:53	2842	
	246.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:54	2843	
	247.50	Crack Multiple, from 8 to 1 o'clock, within 8 inch: YES	00:15:44	2844, b	S 3
	257.00	Vermin Cockroach, within 8 inch: NO	00:16:45	2846, b	M 1
	257.00	Manhole, within 8 inch: NO, Remarks: 1654-0391	00:16:56	2848	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	1100	7	1	8	3.5	1	2.67



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1773	PSR: 59366
Total Pipe Length: 305.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0243
City: ZLAS	Year Renewed	End MH: 1808-0241
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 291.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0241/1808-0243/1808	Lining Method:
	Category:

Remark::

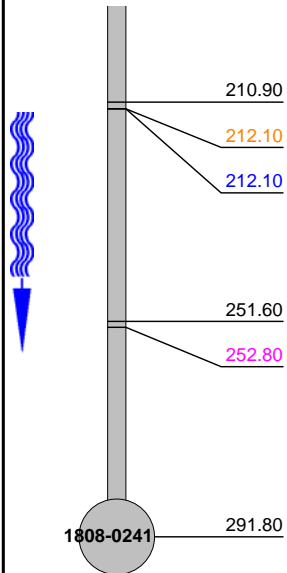
1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0243	00:00:42	13035	
	0.00	Water Level, 15 %, within 8 inch: NO	00:01:00	13036	
	1.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:01:28	13037, b	M 1
	1.90	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:50	13039, b	S 3
	9.70 S1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:44	13041, b	M 1
	11.10	Water Level, 20 %, within 8 inch: NO	00:03:11	13043	
	45.50	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:04:26	13044, b	M 2
	57.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:14	13046	
	80.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:20	13047	
	100.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:10	13048	
	100.60	Roots Fine Connection, from 2 to 6 o'clock, within 8 inch: NO	00:07:22	13049, b	M 1
	103.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:00	13051	
	103.10	Roots Fine Connection, from 6 to 9 o'clock, within 8 inch: NO	00:08:12	13052, b	M 1
	118.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:22	13054	
	118.40	Roots Fine Connection, from 2 to 6 o'clock, within 8 inch: NO	00:09:33	13055, b	M 1
	123.30	Water Level, 25 %, within 8 inch: NO	00:10:05	13057	
	149.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:21	13058	
	149.20	Roots Fine Connection, from 6 to 9 o'clock, within 8 inch: NO	00:11:43	13059, b	M 1
	159.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:38	13061	
	159.30	Roots Tap Connection, from 6 to 9 o'clock, 20 %, within 8 inch: NO	00:12:52	13062, b	M 2
	160.90	Water Level, 10 %, within 8 inch: NO	00:15:07	13064	
	170.80 F1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:29	13065	M 1
	172.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:42	13066	



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1773	PSR: 59366
Total Pipe Length: 305.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	210.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:09	13067	
	212.10	Fracture Longitudinal, at 1 o'clock, within 8 inch: YES	00:17:43	13068, b	S 3
	212.10	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:18:04	13070, b	S 2
	251.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:49	13072	
	252.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:20:20	13073, b	S 4
	291.80	Manhole, within 8 inch: NO, Remarks: 1808-0241	00:22:45	13075	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2211	12	49	61	3	1.04	1.2



Inspection report

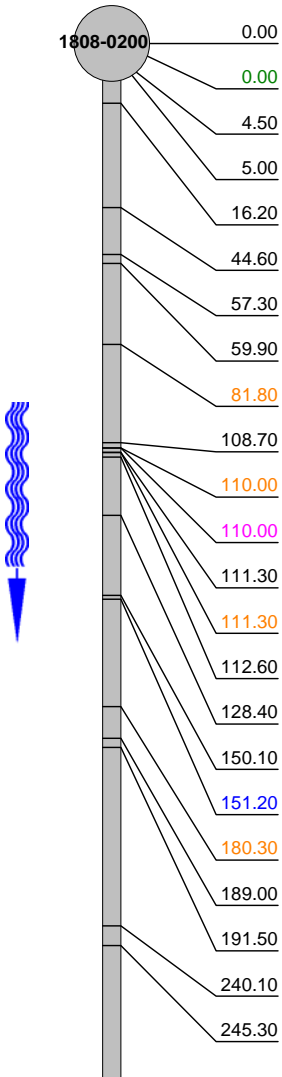
Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1790	PSR: 59450
Total Pipe Length: 274.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/25/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0200
City: ZLAS	Year Renewed	End MH: 1808-0199
Location Code: Light Highway	Tape/Media #: G312-050	pipe length: 308.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0199/1808-0200/1808	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0200	00:00:48	13596	
	0.00	Vermin Cockroach, within 8 inch: NO	00:01:23	13597, b	M 1
	4.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:22	13599	
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:47	13600	
	16.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:22	13601	
	44.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:29	13602	
	57.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:08	13603	
	59.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:49	13604	
	81.80	Crack Multiple, from 6 to 10 o'clock, within 8 inch: YES	00:06:58	13605, b	S 3
	108.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:16	13607	
	110.00	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:08:40	13608, b	S 3
	110.00	Broken, from 7 to 9 o'clock, within 8 inch: YES	00:08:56	13610, b	S 4
	111.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:30	13612	
	111.30	Fracture Longitudinal, at 9 o'clock, within 8 inch: NO	00:09:43	13613, b	S 3
	112.60	Water Level, 15 %, within 8 inch: NO	00:10:06	13615	
	128.40	Water Level, 10 %, within 8 inch: NO	00:10:44	13616	
	150.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:46	13617	
	151.20	Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:12:31	13618, b	S 2
	180.30	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:13:59	13620, b	S 3
	189.00	Water Level, 15 %, within 8 inch: NO	00:14:37	13622	
	191.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:53	13623	
	240.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:25	13624	
	245.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:48	13625	

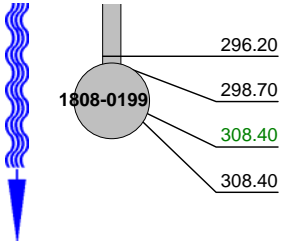




Inspection report

Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1790	PSR: 59450
Total Pipe Length: 274.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/25/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:627	position	observation	MPEG	photo	grade
	296.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:30	13626	
	298.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:57	13627	
	308.40	Vermin Cockroach, within 8 inch: NO	00:20:10	13628, b	M 1
	308.40	Manhole, within 8 inch: NO, Remarks: 1808-0199	00:20:31	13630	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	1200	18	2	20	3	1	2.5



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1766	PSR: 59401
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HILL ST	Flow Control: Not Controlled	Start MH: 1808-0277
City: ZLAS	Year Renewed:	End MH: 1808-0278
Location Code: Light Highway	Tape/Media #: G312-048	pipe length: 349.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0277/1808-0278/1808	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0277	00:00:38	12767	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:02	12768	
	6.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:01:39	12769, b	S 3
	35.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:56	12771	
	38.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:18	12772	
	45.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:44	12773	
	47.50	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:04:01	12774, b	S 3
	47.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:04:14	12776, b	S 2
	47.50	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:04:27	12778, b	S 1
	79.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:53	12780	
	127.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:21	12781	
	130.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:42	12782	
	178.60	Fracture Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:09:03	12783, b	S 2
	179.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:38	12785	
	184.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:19	12786	
	187.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:38	12787	
	190.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:01	12788	
	282.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:30	12789	
	285.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:50	12790	
	286.80	Fracture Circumferential, from 3 to 4 o'clock, within 8 inch: YES	00:14:34	12791, b	S 2

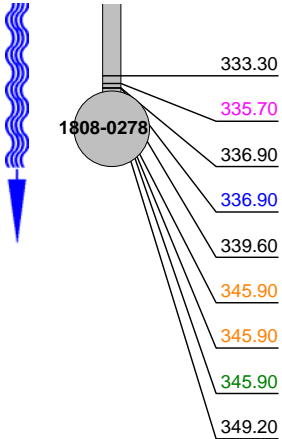


Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1766	PSR: 59401
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:693	position	observation	MPEG	photo	grade
	<u>333.30</u>	Water Level, 15 %, within 8 inch: NO	00:16:12	12793	
	<u>335.70</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:16:37	12794, b	S 4
	<u>336.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:04	12796	
	<u>336.90</u>	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:17:29	12797, b	S 2
	<u>339.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:06	12799	
	<u>345.90</u>	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:18:45	12800, b	S 3
	<u>345.90</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:18:59	12802, b	S 3
	<u>345.90</u>	Joint Offset Medium, within 8 inch: YES	00:19:24	12804, b	S 1
	<u>349.20</u>	Manhole, within 8 inch: NO, Remarks: 1808-0278	00:20:19	12806	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	0000	26	0	26	2.36	0	2.36





Inspection report

Date: 20100322	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 110	PSR: 69336
Total Pipe Length: 216.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: 6TH ST	Flow Control: Not Controlled	Start MH: 1654-0399
City: ZLAS	Year Renewed	End MH: 1654-0398
Location Code: Light Highway	Tape/Media #: R311-031	pipe length: 201.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0398/1654-0399/1654	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0399	00:00:27	2249	
	9.20	Water Level, 5 %, within 8 inch: NO	00:00:57	2250	
	15.60	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:01:31	2251, b	S 3
	18.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:04	2253	
	20.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:27	2254	
	20.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:02:37	2255, b	M 1
	30.50	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:03:32	2257, b	S 3
	43.10	Fracture Multiple, from 2 to 8 o'clock, within 8 inch: YES	00:04:37	2259, b	S 4
	44.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:05	2261	
	48.60	Crack Multiple, from 7 to 10 o'clock, within 8 inch: YES	00:05:36	2262, b	S 3
	64.10	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:06:37	2264, b	S 1
	64.10	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:06:53	2266, b	S 2
	79.30	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:54	2268, b	S 2
	79.30	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:08:06	2270, b	S 2
	86.70	Crack Longitudinal, at 8 o'clock, within 8 inch: NO	00:08:53	2272, b	S 2
	86.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:11	2274	
	94.10	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:09:46	2275, b	S 3
	122.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:49	2277, b	S 2
	122.20	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:12:03	2279, b	S 1
	160.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:35	2281	
164.80	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:14:05	2282, b	S 3	
192.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:30	2284, b	S 3	
201.60	Manhole, within 8 inch: NO, Remarks: 1654-0398	00:16:27	2286		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	1100	34	1	35	2.43	1	2.33



Inspection report

Date: 20100323	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 134	PSR: 65554
Total Pipe Length: 182.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

Street: 7TH ST	Flow Control: Not Controlled	Start MH: 1709-0005
City: ZLAS	Year Renewed:	End MH: 1709-0006
Location Code: Light Highway	Tape/Media #: R311-032	pipe length: 143 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0005/1709-0006/1709	Lining Method:
	Category:

Remark::

1:325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1709-0005	00:00:25	2649	
	4.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:04	2650	
	6.50	Water Level, 10 %, within 8 inch: NO	00:01:24	2651	
	9.00	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:01:50	2652	
	19.90	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:02:21	2653, b	S 2
	23.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:56	2655	
	25.10	Fracture Longitudinal, at 11 o'clock, within 8 inch: YES	00:03:21	2656, b	S 3
	33.00	Fracture Longitudinal, at 11 o'clock, within 8 inch: YES	00:04:24	2658, b	S 3
	50.90	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:27	2660, b	S 3
	52.30	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO	00:05:58	2662, b	S 3
	52.30	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:06:16	2664, b	S 3
	63.50	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:07:07	2666, b	S 3
	72.30	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:07:58	2668	
	75.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:22	2669	
	98.30	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:09:24	2670, b	S 2
	98.30	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:09:35	2672, b	S 2
	106.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:10:32	2674	
	114.50	Fracture Longitudinal, at 3 o'clock, within 8 inch: NO	00:11:05	2675, b	S 3
	116.60	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:11:29	2677, b	S 2
	116.60	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:11:44	2679, b	S 2
	131.80	Crack Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:12:53	2681, b	S 3
	139.20	Fracture Multiple, from 9 to 2 o'clock, within 8 inch: YES	00:13:55	2683, b	S 4
	143.00	Manhole, within 8 inch: NO, Remarks: 1709-0006	00:14:47	2685	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4138	0000	38	0	38	2.71	0	2.71



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1731	PSR: 59308
Total Pipe Length: 292.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: LIVE OAK ST	Flow Control: Not Controlled	Start MH: 1808-0310
City: ZLAS	Year Renewed	End MH: 1808-0311
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 348.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0310/1808-0311/1808	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0310	00:00:43	11412	
	4.50 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:28	11413, b	S 2
	4.50	Joint Offset Medium, within 8 inch: YES	00:01:48	11415, b	S 1
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:38	11417	
	26.80	Joint Offset Medium, within 8 inch: YES	00:03:22	11418, b	S 1
	27.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:03:57	11420	
	31.70	Joint Offset Medium, within 8 inch: YES	00:04:25	11421, b	S 1
	32.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:57	11423	
	84.30	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:06:30	11424	
	116.70	Joint Offset Medium, within 8 inch: YES	00:07:48	11425, b	S 1
	117.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:08:21	11427	
	172.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:10:09	11428	
	220.40	Fracture Multiple, from 9 to 5 o'clock, within 8 inch: YES	00:11:44	11429, b	S 4
	221.40	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:12:29	11431	
	274.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:14:10	11432	
	297.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:41	11433, b	S 3
	297.30	Joint Offset Medium, within 8 inch: YES	00:15:52	11435, b	S 1
	297.30	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:16:07	11437, b	M 1
	309.80	Joint Offset Medium, within 8 inch: YES	00:17:13	11439, b	S 1
	309.80	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:17:35	11441, b	S 3



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1731	PSR: 59308
Total Pipe Length: 292.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

1:693	position	observation	MPEG	photo	grade
	314.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:18:23	11443, b	S 3
	314.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:18:35	11445, b	M 1
	314.90	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:18:54	11447, b	S 3
	317.40 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:19:39	11449, b	S 3
	325.30	Joint Offset Medium, within 8 inch: YES	00:20:46	11451, b	S 1
	326.00	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:21:26	11453	
	340.70 S3	Water Level Sag, 25 %, within 8 inch: NO, Start	00:22:31	11454	M 2
	345.50 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:19	11455	S 3
	345.50 F3	Water Level Sag, 25 %, within 8 inch: NO, End	00:23:36	11456	M 2
	345.50 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:54	11457	S 2
	345.50	Water Level, 15 %, within 8 inch: NO	00:24:11	11458	
	348.90	Manhole, within 8 inch: NO, Remarks: 1808-0311	00:24:47	11459	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413A	2112	214	4	218	2.06	1.33	2.04



Inspection report

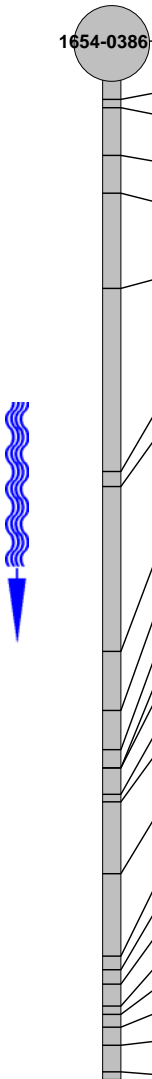
Date: 20100401	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 232	PSR: 69444
Total Pipe Length: 139.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1654-0386
City: ZLAS	Year Renewed:	End MH: 1654-0387
Location Code: Easement/Right of Way	Tape/Media #: R311-039	pipe length: 241.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0386/1654-0387/1654	Lining Method:
	Category:

Remark::

1:363	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0386	00:00:26	4103	
	8.80	Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:02:43	4104, b	S 3
	10.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:30	4106	
	17.60	Water Level, 10 %, within 8 inch: NO	00:04:03	4107	
	23.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:04:32	4108	
	38.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:29	4109, b	S 3
	67.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:07	4111	
	69.80	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:07:46	4112	
	95.70	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:25	4113, b	S 3
	105.00	Crack Multiple, from 7 to 2 o'clock, within 8 inch: YES	00:10:49	4115, b	S 3
	111.20	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:12:05	4117, b	S 3
	114.10	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:12:46	4119, b	S 2
	114.10	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:13:01	4121, b	S 2
	118.30	Fracture Multiple, from 8 to 11 o'clock, within 8 inch: YES	00:14:14	4123, b	S 4
	119.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:58	4125	
	130.70	Tap Break-in Active, at 2 o'clock, 6", within 8 inch: NO	00:15:55	4126	
	143.70	Crack Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:17:10	4127, b	S 3
	145.90	Crack Multiple, from 10 to 5 o'clock, within 8 inch: YES	00:18:05	4129, b	S 3
	148.20	Crack Multiple, from 10 to 5 o'clock, within 8 inch: YES	00:19:00	4131, b	S 3
	151.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:19:41	4133	
	152.90	Crack Multiple, from 10 to 3 o'clock, within 8 inch: YES	00:20:22	4134, b	S 3
	154.90	Crack Multiple, from 10 to 4 o'clock, within 8 inch: YES	00:21:20	4136, b	S 3
	157.80	Water Level, 20 %, within 8 inch: NO	00:21:58	4138	
	162.00	Water Level Sag, 30 %, within 8 inch: NO, Start	00:22:24	4139, b	M 2

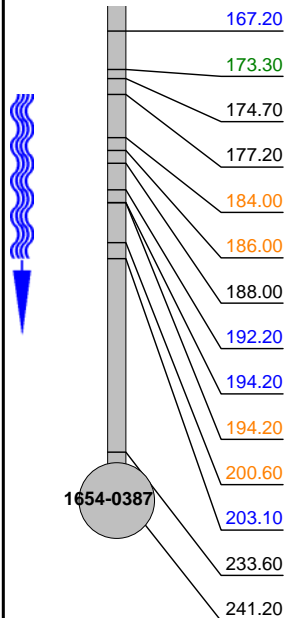




Inspection report

Date: 20100401	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 232	PSR: 69444
Total Pipe Length: 139.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

1:363	position	observation	MPEG	photo	grade
	<u>167.20</u>	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:23:08	4141, b	S 2
	<u>173.30</u>	Crack Circumferential, from 9 to 11 o'clock, within 8 inch: YES	00:24:17	4143, b	S 1
	<u>174.70</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:48	4145	
	<u>177.20</u>	Tap Break-in Active, at 2 o'clock, 6", within 8 inch: NO	00:25:22	4146	
	<u>184.00</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:26:11	4147, b	S 3
	<u>186.00</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:26:58	4149, b	S 3
	<u>188.00</u>	Repair Patch, from 1 to 3 o'clock, within 8 inch: YES, Remarks: Repair	00:28:24	4151, b	
	<u>192.20</u> S2	Crack Longitudinal, at 10 o'clock, within 8 inch: YES, Start	00:29:27	4153, b	S 2
	<u>194.20</u> F2	Crack Longitudinal, at 10 o'clock, within 8 inch: YES, End	00:29:56	4155, b	S 2
	<u>194.20</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:30:21	4157, b	S 3
	<u>200.60</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:31:29	4159, b	S 3
	<u>203.10</u> F1	Water Level Sag, 30 %, within 8 inch: NO, End	00:32:11	4161, b	M 2
	<u>233.60</u>	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:33:32	4163	
	<u>241.20</u>	Manhole, within 8 inch: NO, Remarks: 1654-0387	00:35:05	4164	





Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1722	PSR: 59314
Total Pipe Length: 329.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: CALIFORNIA ST	Flow Control: Not Controlled	Start MH: 1808-0317
City: ZLAS	Year Renewed	End MH: 1808-0316
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 76.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0316/1808-0317/1808	Lining Method:
	Category:

Remark::

1:175	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0317	00:00:52	11187	
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:42	11188	
	15.50	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:02:46	11189, b	S 3
	17.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:24	11191	
	17.90 S2	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:10	11192, b	S 3
	19.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:34	11195	
	22.30 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:04:49	11196, b	M 2
	43.30	Surface Aggregate Missing Unknown, from 7 to 5 o'clock, within 8 inch: YES	00:06:18	11198, b	S 4
	60.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:11	11200	
	67.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:38	11201	
	76.40 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:08:15	11202	M 2
	76.40 F2	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:08:33	11203	S 3
	76.40	Obstacle Pipe Material, at 6 o'clock, 15 %, within 8 inch: NO	00:09:11	11204, b	M 3
	76.40	Abandoned Survey, within 8 inch: NO, Remarks: COMPLETES INSPECTION OF E	00:09:36	11206	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413B	312A	52	31	83	3.06	2.07	2.59



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1718	PSR: 59311
Total Pipe Length: 326.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: CALIFORNIA ST	Flow Control: Not Controlled	Start MH: 1808-0313
City: ZLAS	Year Renewed:	End MH: 1808-0314
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 348.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0313/1808-0314/1808	Lining Method:
	Category:

Remark::

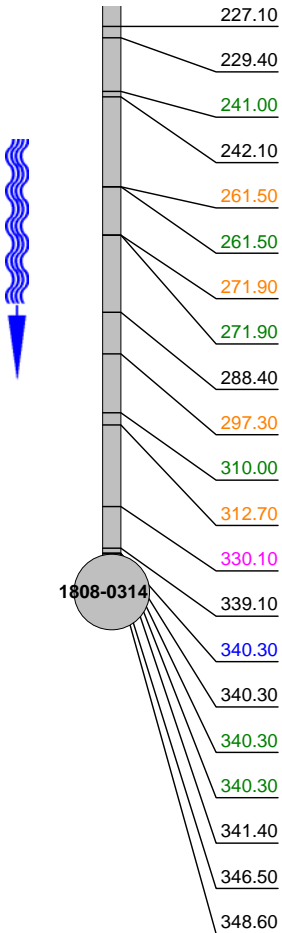
1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0313	00:00:41	11018	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:55	11019	
	0.90	Crack Circumferential, from 6 to 9 o'clock, within 8 inch: YES	00:01:28	11020, b	S 1
	2.30 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:15	11022, b	S 3
	2.30	Joint Offset Medium, within 8 inch: YES	00:02:24	11024, b	S 1
	3.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:01	11026	
	42.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:44	11027	
	43.20 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:17	11028, b	M 1
	44.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:59	11030	
	58.60 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:06:37	11031	M 1
	61.20 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:06:48	11032	S 3
	80.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:44	11033	
	115.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:9:10	11034, b	M 1
	115.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:20	11036, b	S 3
	123.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:10:11	11038, b	S 3
	129.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:54	11040	
	134.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:37	11041	
	178.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:14	11042	
	180.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:37	11043	
	187.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:14:11	11044, b	S 3
	195.20	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:15:10	11046, b	S 2
	199.90	Crack Multiple, from 9 to 1 o'clock, within 8 inch: YES	00:16:22	11048, b	S 3
	212.70	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:17:24	11050, b	S 3



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1718	PSR: 59311
Total Pipe Length: 326.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:495	position	observation	MPEG	photo	grade
	<u>227.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:25	11052	
	<u>229.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:48	11053	
	<u>241.00</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:19:37	11054, b	M 1
	<u>242.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:09	11056	
	<u>261.50</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:21:23	11057, b	S 3
	<u>261.50</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:21:36	11059, b	M 1
	<u>271.90</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:22:36	11061, b	S 3
	<u>271.90</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:22:47	11063, b	M 1
	<u>288.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:56	11065	
	<u>297.30</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:24:38	11066, b	S 3
	<u>310.00</u>	Joint Offset Medium, within 8 inch: YES	00:25:38	11068, b	S 1
	<u>312.70</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:26:21	11070, b	S 3
	<u>330.10</u>	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:28:31	11072, b	S 4
	<u>339.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:29:34	11074	
	<u>340.30</u>	Fracture Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:30:25	11075, b	S 2
	<u>340.30</u>	Water Level, 20 %, within 8 inch: NO	00:30:46	11077	
	<u>340.30</u>	Joint Offset Medium, within 8 inch: YES	00:31:07	11078	S 1
	<u>340.30</u>	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:31:18	11079, b	S 1
	<u>341.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:32:09	11081	
	<u>346.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:33:08	11082	
	<u>348.60</u>	Manhole, within 8 inch: NO, Remarks: 1808-0314	00:34:11	11083	





Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1744	PSR: 59414
Total Pipe Length: 327.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: GRAND AV	Flow Control: Not Controlled	Start MH: 1808-0290
City: ZLAS	Year Renewed:	End MH: 1808-0291
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 348.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0290/1808-0291/1808	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0290	00:00:39	11837	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:52	11838	
	<u>2.20</u>	Fracture Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:01:22	11839, b	S 2
	<u>2.20</u>	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:01:44	11841, b	S 2
	3.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:29	11843	
	36.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:40	11844	
	41.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:07	11845	
	89.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:32	11846	
	<u>93.30</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:13	11847, b	S 3
	<u>94.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:42	11849	
	<u>99.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:09	11850	
	<u>100.80</u>	Crack Multiple, from 9 to 12 o'clock, within 8 inch: YES	00:07:49	11851, b	S 3
	160.30	Water Level, 15 %, within 8 inch: NO	00:09:32	11853	
	<u>161.00</u>	Crack Multiple, from 8 to 2 o'clock, within 8 inch: YES	00:09:58	11854, b	S 3
	168.60	Water Level, 10 %, within 8 inch: NO	00:10:30	11856	
	<u>173.40</u>	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:11:08	11857, b	S 2
	184.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:54	11859	
	187.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:22	11860	
	195.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:03	11861	
	<u>196.40</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:13:31	11862	S 3
<u>196.40</u>	Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:13:50	11863, b	S 3	



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1744	PSR: 59414
Total Pipe Length: 327.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:462	position	observation	MPEG	photo	grade
	<u>214.10</u>	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:14:58	11865, b	S 3
	<u>214.10</u>	Fracture Circumferential, from 4 to 5 o'clock, within 8 inch: YES	00:15:19	11867, b	S 2
	<u>214.10</u>	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:16:01	11869, b	S 3
	<u>214.10</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:16:19	11871, b	S 3
	<u>216.40</u> S1	Fracture Circumferential, from 4 to 5 o'clock, within 8 inch: YES, Start	00:17:12	11873, b	S 2
	<u>221.50</u>	Water Level, 15 %, within 8 inch: NO	00:17:50	11876	
	<u>227.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:18	11877	
	<u>238.00</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:57	11878	
	<u>239.40</u> S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:19:24	11879, b	S 3
	<u>244.50</u>	Water Level, 10 %, within 8 inch: NO	00:19:56	11881	
	<u>251.70</u> F1	Fracture Circumferential, from 4 to 5 o'clock, within 8 inch: YES, End	00:20:35	11882	S 2
	<u>278.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:27	11883	
	<u>288.20</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:17	11884	
	<u>292.20</u> S3	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:22:42	11885, b	S 2
	<u>296.80</u> S4	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:23:29	11887, b	S 2
	<u>324.40</u>	Broken, from 4 to 6 o'clock, within 8 inch: YES	00:25:06	11889, b	S 4
	<u>330.00</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:25:50	11891, b	S 3
	<u>330.80</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:26:19	11893	
	<u>337.10</u>	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:27:02	11894, b	S 3
	<u>344.80</u> F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:28:01	11896	S 3
	<u>344.80</u> F3	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:28:16	11897	S 2
	<u>344.80</u> F4	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:28:27	11898	S 2
	<u>348.10</u>	Manhole, within 8 inch: NO, Remarks: 1808-0291	00:29:05	11899	



1808-0291

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413G	0000	188	0	188	2.51	0	2.51



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1741	PSR: 59418
Total Pipe Length: 363.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0294
City: ZLAS	Year Renewed	End MH: 1808-0295
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 350.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0294/1808-0295/1808	Lining Method:
	Category:

Remark::

1:594	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0294	00:01:59	11721	
	0.00	Material Change, within 8 inch: NO, Remarks: CAST-IRON PIPE BELL	00:02:26	11722	
	4.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:48	11723	
	5.00	Water Level, 10 %, within 8 inch: NO	00:03:08	11724	
	6.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:22	11725	
	11.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:48	11726	
	16.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:14	11727	
	18.00	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:04:37	11728, b	S 2
	18.20	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:05:09	11730, b	S 3
	54.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:32	11732	
	81.30	Crack Multiple, from 9 to 5 o'clock, within 8 inch: YES	00:07:42	11733, b	S 3
	95.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:47	11735	
	104.10	Crack Multiple, from 9 to 2 o'clock, within 8 inch: YES	00:09:26	11736, b	S 3
	142.10	Vermin Rat, 4", within 8 inch: NO	00:10:56	11738, b	M 2
	145.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:21	11740	
	148.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:44	11741	
	149.60	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:12:18	11742, b	S 1
	155.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:54	11744	
	158.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:14	11745	
	177.50	Crack Multiple, from 10 to 3 o'clock, within 8 inch: YES	00:14:06	11746, b	S 3
	195.20	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES, Start	00:15:07	11748, b	S 3
	247.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:57	11751	
	250.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:17	11752	
	262.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:57	11753	



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1741	PSR: 59418
Total Pipe Length: 363.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:594	position	observation	MPEG	photo	grade
	<u>276.40</u>	Joint Offset Medium, within 8 inch: YES	00:18:37	11754, b	S 1
	<u>282.70</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:14	11756	
	<u>310.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:13	11757	
	<u>319.50</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:20:54	11758, b	S 4
	<u>319.50</u>	Joint Offset Medium, within 8 inch: YES	00:21:03	11760, b	S 1
	<u>340.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:14	11762	
	<u>342.30</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:22:37	11763, b	S 3
	<u>348.60</u>	Crack Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:23:35	11765, b	S 1
	<u>350.50</u> F1	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES, End	00:24:49	11767	S 3
	<u>350.70</u>	Manhole, within 8 inch: NO, Remarks: 1808-0295	00:24:22	11768	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413I	2100	142	2	144	2.84	2	2.82



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1759	PSR: 59409
Total Pipe Length: 353.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0285
City: ZLAS	Year Renewed	End MH: 1808-0286
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 349.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0285/1808-0286/1808	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0285	00:00:38	12484	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:51	12485	
	8.00	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:01:43	12486, b	S 2
	8.00 S1	Crack Longitudinal, at 3 o'clock, within 8 inch: YES, Start	00:01:55	12488, b	S 2
	28.70	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:03:01	12492, b	S 2
	32.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:29	12494	
	37.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:55	12495	
	70.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:06	12496	
	82.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:06:01	12497, b	S 3
	82.00	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:23	12499, b	S 3
	105.00	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:07:31	12501, b	S 3
	117.20	Fracture Circumferential, from 9 to 2 o'clock, within 8 inch: YES	00:08:43	12503, b	S 2
	121.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:21	12505	
	121.00	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:09:32	12506, b	M 1
	122.00 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:56	12508, b	S 3
	122.00	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:11:06	12510, b	M 1
	123.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:03	12512	
	123.60	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:10:17	12513, b	M 1
	128.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:53	12515	
	131.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:13	12516	
	148.10 S3	Surface Spalling Other, from 4 to 5 o'clock, within 8 inch: YES, Start	00:12:57	12517, b	S 2
	179.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:20	12519	
	179.30	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:31	12520, b	M 1



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1759	PSR: 59409
Total Pipe Length: 353.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	195.80 S4	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:15:37	12522, b	M 1
	225.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:04	12524	
	225.10	Roots Tap Connection, from 7 to 9 o'clock, 20 %, within 8 inch: NO	00:17:17	12525, b	M 2
	233.90	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:18:01	12527, b	S 4
	273.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:52	12529	
	273.20	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:21:02	12530, b	M 1
	275.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:36	12532	
	280.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:00	12533	
	280.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:22:10	12534, b	M 1
	283.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:40	12536	
	297.60 S5	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, Start	00:23:19	12537, b	S 3
	302.60 F4	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:57	12539	M 1
	336.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:08	12540	
	346.30 F1	Crack Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:25:39	12541	S 2
	346.30 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:25:52	12542	S 3
	346.30 F3	Surface Spalling Other, from 4 to 5 o'clock, within 8 inch: YES, End	00:26:05	12543	S 2
	346.30 F5	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, End	00:26:22	12544	S 3
	349.10	Surface Spalling Other, from 7 to 9 o'clock, within 8 inch: NO	00:26:56	12545, b	S 2
	349.10	Manhole, within 8 inch: NO, Remarks: 1808-0286	00:27:50	12547	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413P	211F	495	35	530	2.35	1.03	2.16



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1752	PSR: 59318
Total Pipe Length: 300.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: MOUNTAIN VIEW AV	Flow Control: Not Controlled	Start MH: 1808-0321
City: ZLAS	Year Renewed:	End MH: 1808-0320
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 304.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0320/1808-0321/1808	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0321	00:00:34	12160	
	3.00 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:29	12161, b	S 3
	3.00 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:44	12163, b	S 2
	6.00	Water Level, 15 %, within 8 inch: NO	00:02:26	12165	
	34.60 S3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:27	12166, b	M 1
	100.10	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:05:36	12170	
	106.00	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:06:06	12171	
	152.60 S4	Water Level Sag, 30 %, within 8 inch: NO, Start	00:08:12	12172, b	M 2
	159.20	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:55	12174, b	S 4
	161.50	Roots Tap Joint, from 7 to 5 o'clock, 20 %, within 8 inch: YES	00:09:39	12176, b	M 2
	182.10	Roots Tap Joint, from 8 to 4 o'clock, 20 %, within 8 inch: YES	00:11:01	12178, b	M 2
	185.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:11:28	12180	
	188.30	Water Level, 45 %, within 8 inch: NO	00:11:40	12181	
	191.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:12:10	12182	
	202.20 S5	Camera Underwater, within 8 inch: NO, Start	00:12:45	12183	M 4
	245.70 S6	Roots Medium Joint, from 7 to 5 o'clock, 30 %, within 8 inch: YES, Start	00:16:33	12184, b	M 3
	262.40 F5	Camera Underwater, within 8 inch: NO, End	00:18:09	12187	M 4
	268.60	Water Level, 15 %, within 8 inch: NO	00:18:41	12188	
	304.20 F4	Water Level Sag, 30 %, within 8 inch: NO, End	00:22:44	12189	M 2
	304.30 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:20:44	12190	S 2
	304.30 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:00	12191	S 3
	304.30 F3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:15	12192	M 1
	304.30 F6	Roots Medium Joint, from 7 to 5 o'clock, 30 %, within 8 inch: YES, End	00:21:31	12193	M 3
	304.30	Manhole, within 8 inch: NO, Remarks: 1808-0320	00:22:16	12194	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413Q	4B3B	379	252	631	2.51	1.84	2.19



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1757	PSR: 59407
Total Pipe Length: 329.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0283
City: ZLAS	Year Renewed	End MH: 1808-0284
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 348.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0283/1808-0284/1808	Lining Method:
	Category:

Remark::

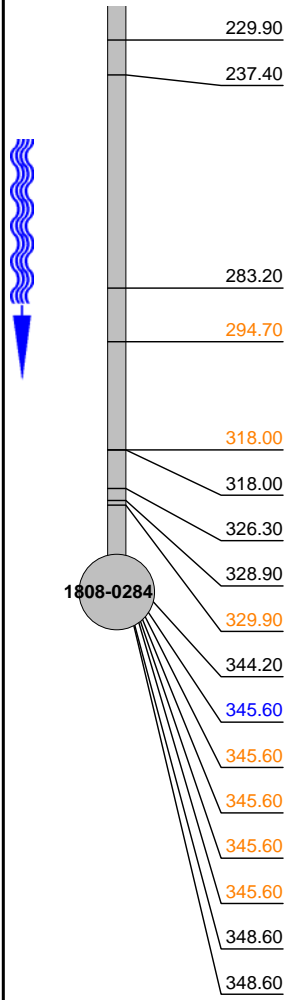
1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0283	00:00:41	12392	
	4.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:08	12393	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:32	12394	
	5.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:01:51	12395, b	S 4
	7.60	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:27	12397, b	S 2
	12.60	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:02:51	12399, b	S 3
	12.60	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:03:14	12401, b	S 3
	25.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:04:13	12403, b	S 3
	26.40	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:04:37	12405, b	S 3
	41.20	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:05:19	12407, b	S 2
	41.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:43	12409	
	46.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:05	12410	
	81.20	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:07:20	12411	S 3
	82.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:36	12412	
	86.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:02	12413, b	S 3
	87.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:31	12415	
	120.20	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, Start	00:09:31	12416, b	S 3
	130.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:11	12418	
	179.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:37	12419	
	184.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:01	12420	
	189.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:22	12421	
	198.30	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:12:45	12422	S 3
	208.70	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:13:09	12423, b	S 3



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1757	PSR: 59407
Total Pipe Length: 329.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:495	position	observation	MPEG	photo	grade
	229.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:01	12425	
	237.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:27	12426	
	283.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:47	12427	
	294.70	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:16:45	12428, b	S 3
	318.00	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:18:08	12430, b	S 3
	318.00	General Observation, within 8 inch: NO, Remarks: PIPE CONCRETE PIPE	00:18:32	12432	
	326.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:56	12433	
	328.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:16	12434	
	329.90 S6	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, Start	00:20:11	12435, b	S 3
	344.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:07	12437	
	345.60 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:29	12438	S 2
	345.60 F2	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:22:06	12439	S 3
	345.60 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:22	12440	S 3
	345.60 F5	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:22:41	12441	S 3
	345.60 F6	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, End	00:23:15	12442	S 3
	348.60	Manhole, within 8 inch: NO, Remarks: 1808-0284	00:24:20	12443	
	348.60	General Observation, within 8 inch: NO, Remarks: MAT'L FOUND:CONCRETE PIPE	00:25:05	12444	





Inspection report

Date: 20100323	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 132	PSR: 65552
Total Pipe Length: 239.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

Street: 7TH ST	Flow Control: Not Controlled	Start MH: 1709-0002
City: ZLAS	Year Renewed	End MH: 1709-0004
Location Code: Light Highway	Tape/Media #: R311-032	pipe length: 338.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0002/1709-0004/1709	Lining Method:
	Category:

Remark::

1:330	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1709-0002	00:00:25	2555	
	4.10	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:00:56	2556, b	S 3
	4.10	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:1:10	2558, b	S 2
	17.00	Water Level, 20 %, within 8 inch: NO	00:02:04	2560	
	22.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:40	2561	
	43.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:35	2562	
	51.90	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:20	2563	
	58.20	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:04:51	2564, b	M 1
	61.00 S1	Roots Fine Joint, at 8 o'clock, within 8 inch: YES, Start	00:05:20	2566, b	M 1
	62.70	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:05:53	2568, b	S 2
	63.40 F1	Roots Fine Joint, at 8 o'clock, within 8 inch: YES, End	00:06:26	2570, b	M 1
	73.70	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:07:09	2572, b	M 1
	87.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:07	2574	
	97.00	Fracture Longitudinal, at 1 o'clock, within 8 inch: YES	00:09:04	2575, b	S 3
	97.00	Fracture Longitudinal, at 11 o'clock, within 8 inch: YES	00:09:20	2577, b	S 3
	105.20	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:15	2579, b	S 3
	111.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:10:58	2581	
	114.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:26	2582	
	116.20	Fracture Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:12:04	2583, b	S 4
	123.90	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:13:04	2585, b	S 3
	123.90	Crack Longitudinal, at 7 o'clock, within 8 inch: YES	00:13:20	2587, b	S 2
	133.00	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:09	2589	
	134.40	Fracture Longitudinal, at 11 o'clock, within 8 inch: YES	00:14:42	2590, b	S 3
	144.90	Fracture Multiple, from 8 to 1 o'clock, within 8 inch: YES	00:15:47	2592, b	S 4



Inspection report

Date: 20100323	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 132	PSR: 65552
Total Pipe Length: 239.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

1:330	position	observation	MPEG	photo	grade
	148.90	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:16:27	2594, b	S 3
	156.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:11	2596	
	159.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:17:37	2597	
	183.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:18:46	2598	
	186.00	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:19:17	2599	
	208.50	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:20:20	2600, b	S 3
	210.90	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:20:52	2602, b	S 3
	212.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:21:24	2604	
	241.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:43	2605	
	241.10	Vermin Cockroach, within 8 inch: NO	00:22:54	2606, b	M 1
	249.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:33	2608	
	256.20	Fracture Longitudinal, at 1 o'clock, within 8 inch: YES	00:24:09	2609, b	S 3
	267.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:25:01	2611	
	270.80	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO	00:25:28	2612, b	S 3
	272.40	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:25:57	2614, b	S 2
	272.40	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:26:13	2616, b	S 3
	283.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:27:08	2618	
	291.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:27:45	2619	
	315.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:28:54	2620	
	321.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:29:27	2621	
	338.30	Manhole, within 8 inch: NO, Remarks: 1709-0004	00:30:40	2622	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423A	1400	52	4	56	2.89	1	2.55



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1747	PSR: 59421
Total Pipe Length: 295.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0297
City: ZLAS	Year Renewed:	End MH: 1808-0298
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 348.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0297/1808-0298/1808	Lining Method:
	Category:

Remark::

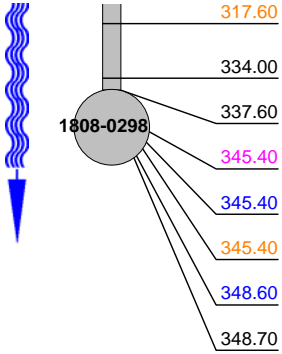
1:693	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0297	00:00:38	11990	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:49	11991	
	12.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:20	11992	
	24.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:54	11993	
	28.80	Crack Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:02:21	11994, b	S 3
	34.10 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:16	11996, b	S 2
	34.10	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:03:30	11999, b	S 3
	35.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:58	12001	
	37.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:18	12002	
	75.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:29	12003	
	110.80	Crack Multiple, from 4 to 8 o'clock, within 8 inch: YES	00:06:50	12004, b	S 3
	121.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:31	12006	
	126.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:57	12007	
	153.50 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:09:06	12008, b	S 3
	169.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:11	12010	
	171.00	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:10:36	12011, b	S 4
	179.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:15	12013	
	215.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:26	12014	
	230.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:40	12015	
	273.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:02	12016	
	283.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:39	12017	



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1747	PSR: 59421
Total Pipe Length: 295.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:693	position	observation	MPEG	photo	grade
	317.60	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:17:00	12018, b	S 3
	334.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:52	12020	
	337.60	Water Level, 15 %, within 8 inch: NO	00:18:09	12021	
	345.40	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:18:44	12022, b	S 4
	345.40 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:06	12024	S 2
	345.40 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:24	12025	S 3
	348.60	Surface Spalling Other, from 3 to 9 o'clock, within 8 inch: NO	00:20:17	12026, b	S 2
	348.70	Manhole, within 8 inch: NO, Remarks: 1808-0298	00:20:49	12028	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423K	0000	322	0	322	2.42	0	2.42



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1748	PSR: 59422
Total Pipe Length: 317.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0298
City: ZLAS	Year Renewed	End MH: 1808-0299
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 348.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0298/1808-0299/1808	Lining Method:
	Category:

Remark::

1:594	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0298	00:00:37	12029	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:16	12030	
	18.90 S1	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES, Start	00:02:02	12031, b	S 3
	18.90 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: NO, Start	00:02:17	12033, b	S 2
	22.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:50	12035	
	25.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:09	12036	
	46.70 F1	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES, End	00:03:50	12037	S 3
	46.70 F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: NO, End	00:04:00	12038	S 2
	56.90 S5	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:45	12039, b	S 3
	56.90 S4	Surface Aggregate Visible Unknown, from 4 to 5 o'clock, within 8 inch: YES, Start	00:04:59	12041, b	S 3
	56.90 S3	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:11	12043, b	S 2
	76.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:6:10	12045	
	78.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:37	12046	
	84.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:00	12047	
	86.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:20	12048	
	90.60 S6	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:07:59	12049, b	S 3
	93.00	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:08:26	12051, b	S 3
	124.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:43	12053	
	165.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:12	12054	
	175.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:45	12055	
	180.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:13	12056	
	228.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:52	12057	
	263.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:01	12058	



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1748	PSR: 59422
Total Pipe Length: 317.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:594	position	observation	MPEG	photo	grade
	276.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:35	12059	
	278.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:55	12060	
	282.40 F4	Surface Aggregate Visible Unknown, from 4 to 5 o'clock, within 8 inch: YES, End	00:16:21	12061	S 3
	282.40 F5	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:37	12062	S 3
	282.40 F6	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:16:49	12063	S 3
	330.90 S7	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:18:16	12064, b	S 3
	333.10	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:19:16	12066, b	S 4
	333.10	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:19:30	12068, b	S 4
	334.70	Water Level, 20 %, within 8 inch: NO	00:20:15	12070	
	348.90 F7	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:01	12071	S 3
	348.90 F3	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:30	12072	S 2
	348.90	Manhole, within 8 inch: NO, Remarks: 1808-0299	00:22:09	12073	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423Z	0000	684	0	684	2.69	0	2.69



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1745	PSR: 59419
Total Pipe Length: 356.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0296
City: ZLAS	Year Renewed:	End MH: 1808-0295
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 348.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0295/1808-0296/1808	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0296	00:00:44	11900	
	1.00 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:01:04	11901, b	M 2
	4.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:33	11903	
	6.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:56	11904	
	30.60	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:03:03	11905, b	S 2
	30.60	Crack Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:03:33	11907, b	S 1
	44.80	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:04:49	11909, b	S 3
	47.70	Crack Multiple, from 7 to 9 o'clock, within 8 inch: YES	00:05:43	11911, b	S 3
	54.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:17	11913	
	55.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:06:47	11914, b	S 3
	60.00	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:07:22	11916, b	S 2
	60.40 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:07:43	11918	M 2
	60.40	Water Level, 10 %, within 8 inch: NO	00:07:53	11919	
	61.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:03	11920	
	63.30	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:08:22	11921, b	S 3
	64.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:47	11923	
	67.60	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:09:10	11924, b	S 2
	75.10 S2	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:09:57	11926, b	S 2
	75.10 S3	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:10:13	11929, b	S 2
	117.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:52	11931	
	122.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:15	11932	
	201.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:21	11933	



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1745	PSR: 59419
Total Pipe Length: 356.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:462	position	observation	MPEG	photo	grade
	209.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:54	11934	
	215.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:17:10	11935, b	S 4
	216.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:49	11937	
	219.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:07	11938	
	225.00 S4	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:18:48	11939, b	S 3
	269.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:37	11942	
	277.60 F2	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:21:43	11943	S 2
	277.60 F3	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:21:56	11944	S 2
	290.30	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:22:47	11945, b	S 4
	290.30	Broken, from 7 to 9 o'clock, within 8 inch: YES	00:23:27	11947, b	S 4
	291.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:19	11949	
	304.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:55	11950	
	316.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:26:05	11951	
	345.40 F4	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:27:25	11952	S 3
	348.90	Manhole, within 8 inch: NO, Remarks: 1808-0295	00:28:28	11953	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
433F	2B00	325	30	355	2.27	2	2.25



Inspection report

Date: 20100324	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 147	PSR: 84827
Total Pipe Length: 398.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

Street: 6TH ST	Flow Control: Not Controlled	Start MH: 1654-0565
City: ZLAS	Year Renewed	End MH: 1709-0010
Location Code: Light Highway	Tape/Media #: R311-033	pipe length: 318 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0010/1709-0565/1654	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0565	00:00:22	2912	
	7.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:23	2913	
	12.30	Water Level, 5 %, within 8 inch: NO	00:01:44	2914	
	15.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:08	2915	
	15.40	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:02:19	2916, b	S 2
	15.40	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:02:34	2918, b	S 2
	30.50	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:03:44	2920, b	S 4
	33.10	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:04:20	2922	
	33.70	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:05:02	2923, b	S 3
	52.00	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:06:11	2925, b	S 2
	57.80	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:06:50	2927	
	58.30	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:07:28	2928, b	S 3
	82.40	Fracture Multiple, from 6 to 12 o'clock, within 8 inch: YES	00:09:11	2930, b	S 4
	85.50	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:09:53	2932, b	S 2
	89.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:31	2934	
	104.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:11:17	2935	
	146.50	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:12:59	2936	
	157.00	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:13:48	2937, b	S 1
	184.30	Crack Multiple, from 10 to 3 o'clock, within 8 inch: YES	00:15:14	2939, b	S 3
	188.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:56	2941	
	190.60	Joint Offset Medium, within 8 inch: YES	00:16:28	2942, b	S 1
	194.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:05	2944	
	207.90	Fracture Multiple, from 4 to 7 o'clock, within 8 inch: YES	00:18:07	2945, b	S 4
	214.20	Fracture Multiple, from 4 to 12 o'clock, within 8 inch: YES	00:19:28	2947, b	S 4



Inspection report

Date: 20100324	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 147	PSR: 84827
Total Pipe Length: 398.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

1:495	position	observation	MPEG	photo	grade
	<u>239.40</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:20:51	2949	
	<u>247.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:29	2950	
	<u>275.50</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:22:45	2951	
	<u>290.20</u>	Tap Break-in Active, at 10 o'clock, 4", within 8 inch: NO	00:23:58	2952	
	<u>299.30</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:24:44	2953	
	<u>303.70</u>	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:25:36	2954, b	S 4
	<u>311.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:26:21	2956	
	<u>312.50</u>	Fracture Multiple, from 4 to 9 o'clock, within 8 inch: YES	00:27:11	2957, b	S 4
	<u>313.70</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:27:48	2959	
	<u>315.00</u>	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:28:16	2960, b	S 2
	<u>318.00</u>	Manhole, within 8 inch: NO, Remarks: 1709-0010	00:29:05	2962	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4633	0000	45	0	45	2.81	0	2.81



Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 478	PSR: 59561
Total Pipe Length: 327.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: LEOTA ST	Flow Control: Not Controlled	Start MH: 1808-0055
City: ZLAS	Year Renewed	End MH: 1808-0056
Location Code: Light Highway	Tape/Media #: R311-061	pipe length: 319.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0055/1808-0056/1808	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0055	00:00:24	7756	
	12.60	Water Level, 5 %, within 8 inch: NO	00:01:32	7757	
	17.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:11	7758	
	24.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:05	7759	
	35.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:40	7760	
	80.30	Tap Factory Abandoned, at 10 o'clock, 6", within 8 inch: NO	00:05:25	7761	
	87.80	Vermin Cockroach, within 8 inch: NO	00:05:55	7762, b	M 1
	100.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:06:35	7764	
	125.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:36	7765	
	126.30	Broken, from 9 to 4 o'clock, within 8 inch: YES	00:08:54	7766, b	S 5
	135.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:40	7768	
	147.80	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:10:31	7769	
	215.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:58	7770	
	220.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:27	7771	
	319.60	Vermin Cockroach, within 8 inch: NO	00:17:16	7772, b	M 1
	319.60	Manhole, within 8 inch: NO, Remarks: 1808-0056	00:17:39	7774	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	1200	5	2	7	5	1	2.33



Inspection report

Date: 20100322	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 109	PSR: 69338
Total Pipe Length: 252.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: 6TH ST	Flow Control: Not Controlled	Start MH: 1654-0400
City: ZLAS	Year Renewed	End MH: 1654-0399
Location Code: Light Highway	Tape/Media #: R311-031	pipe length: 301.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0399/1654-0400/1654	Lining Method:
	Category:

Remark::

1:297	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0400	00:00:26	2151	
	4.50	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:01:02	2152, b	S 1
	10.40	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:01:47	2154, b	S 4
	14.00	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:02:17	2156, b	S 2
	16.80	Fracture Multiple, from 3 to 10 o'clock, within 8 inch: YES	00:03:00	2158, b	S 4
	21.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:33	2160	
	41.30	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:04:27	2161, b	S 2
	48.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:07	2163	
	68.50	Crack Multiple, from 8 to 4 o'clock, within 8 inch: NO	00:06:02	2164, b	S 3
	69.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:49	2167	
	74.10	Roots Fine Joint, at 7 o'clock, within 8 inch: YES	00:08:15	2168, b	M 1
	77.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:08:42	2170, b	S 2
	80.20	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES	00:09:21	2172, b	S 3
	89.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:58	2174, b	S 2
	95.40	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:10:42	2176	
	95.40	Roots Ball Lateral, at 9 o'clock, 70 %, within 8 inch: NO	00:11:00	2177, b	M 4
	97.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:28	2179	
	99.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:57	2180	
	113.00	Fracture Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:12:56	2181, b	S 4
	116.20	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:13:41	2183, b	S 3
	117.40	Tap Break-in Active, at 2 o'clock, 6", within 8 inch: NO	00:14:20	2185	
	117.40	Roots Medium Lateral, at 2 o'clock, 30 %, within 8 inch: NO	00:14:39	2186, b	M 3
	119.30	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:15:28	2188, b	S 4
	122.40	Fracture Multiple, from 6 to 11 o'clock, within 8 inch: YES	00:16:12	2190, b	S 4
	123.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:40	2192	



Inspection report

Date: 20100322	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 109	PSR: 69338
Total Pipe Length: 252.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

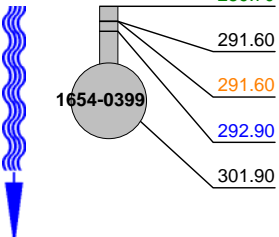
1:297	position	observation	MPEG	photo	grade
	<u>123.70</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:40	2192	
	<u>124.80</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:17:10	2193, b	S 3
	<u>126.10</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:17:40	2195	
	<u>139.60</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:18:36	2196, b	S 3
	<u>139.60</u>	Roots Fine Joint, from 10 to 3 o'clock, within 8 inch: YES	00:18:52	2198, b	M 1
	<u>149.10</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:19:39	2200, b	S 2
	<u>153.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:12	2202	
	<u>160.60</u>	Crack Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:20:57	2203, b	S 3
	<u>160.60</u>	Roots Fine Joint, from 4 to 10 o'clock, within 8 inch: YES	00:21:11	2205, b	M 1
	<u>163.60</u>	Crack Multiple, from 1 to 10 o'clock, within 8 inch: YES	00:22:03	2207, b	S 3
	<u>166.70</u>	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:22:45	2209, b	S 3
	<u>169.30</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:23:18	2211, b	S 3
	<u>173.00</u>	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:24:06	2213, b	S 4
	<u>175.90</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:24:51	2215, b	S 3
	<u>179.00</u> S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:25:25	2217, b	S 3
	<u>182.00</u> F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:25:58	2219, b	S 3
	<u>183.50</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:26:30	2221	
	<u>189.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:26:59	2222	
	<u>189.30</u>	Roots Ball Connection, at 3 o'clock, 75 %, within 8 inch: NO	00:27:13	2223, b	M 4
	<u>222.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:28:35	2225	
	<u>225.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:29:00	2226	
	<u>225.40</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:29:12	2227, b	M 1
	<u>248.00</u>	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:30:11	2229, b	M 1
	<u>249.50</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:30:42	2231	
	<u>259.80</u>	Roots Fine Joint, from 1 to 8 o'clock, within 8 inch: YES	00:31:22	2232, b	M 1
	<u>262.80</u>	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:32:02	2234, b	M 1
	<u>284.40</u>	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:32:57	2236, b	M 1
	<u>285.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:33:29	2238	
	<u>285.90</u>	Roots Medium Lateral, at 3 o'clock, 25 %, within 8 inch: NO	00:33:45	2239	M 3
	<u>288.40</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:34:13	2240	
	<u>289.70</u>	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:34:33	2241, b	M 1



Inspection report

Date: 20100322	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 109	PSR: 69338
Total Pipe Length: 252.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

1:297	position	observation	MPEG	photo	grade
	<u>289.70</u>	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:34:33	2241, b	M 1
	<u>291.60</u>	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:35:10	2243	
	<u>291.60</u>	Roots Medium Connection, at 9 o'clock, 30 %, within 8 inch: NO	00:35:53	2244, b	M 3
	<u>292.90</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:37:12	2246, b	S 2
	<u>301.90</u>	Manhole, within 8 inch: NO, Remarks: 1654-0399	00:38:25	2248	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
463A	4233	70	26	96	2.92	1.86	2.53



Inspection report

Date: 20100429	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1836	PSR: 59492
Total Pipe Length: 297.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/28/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: SANTA FE AV	Flow Control: Not Controlled	Start MH: 1808-0119
City: ZLAS	Year Renewed	End MH: 1808-0113
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-053	pipe length: 301.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0113/1808-0119/1808	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0119	00:00:32	14555	
	6.00 S1	Water Level Sag, 45 %, within 8 inch: NO, Start	00:01:04	14556	M 3
	6.00 S2	Deposits Ingressed Other, from 4 to 8 o'clock, 20 %, within 8 inch: NO, Remarks: SAND, ROCKS, Start	00:01:27	14557, b	M 3
	16.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:01	14559	
	26.90 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:30	14560, b	S 3
	59.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:56	14562	
	72.90 S4	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES, Start	00:04:27	14563, b	S 3
	103.00	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:05:35	14566	
	139.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:43	14567	
	142.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:11	14568	
	185.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:42	14569	
	201.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:28	14570	
	222.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:27	14571	
	261.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:55	14572	
	270.40 S5	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:40	14573, b	S 4
	271.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:04	14575	
	300.20 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:08	14576	S 3
	300.20 F4	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES, End	00:14:20	14577	S 3
	300.20 F5	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:30	14578	S 4
	301.80 F2	Deposits Ingressed Other, from 4 to 8 o'clock, 20 %, within 8 inch: NO, Remarks: SAND, ROCKS, End	00:15:52	14579	M 3
	301.90 F1	Water Level Sag, 45 %, within 8 inch: NO, End	00:14:41	14580	M 3
	301.90	Water Level, 20 %, within 8 inch: NO	00:14:53	14581	
	301.90	Manhole, within 8 inch: NO, Remarks: 1808-0113	00:15:31	14582	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
473Z	3200	403	444	847	3.05	3	3.02



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1779	PSR: 59365
Total Pipe Length: 267.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0241
City: ZLAS	Year Renewed	End MH: 1808-0240
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 292.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0240/1808-0241/1808	Lining Method:
	Category:

Remark::

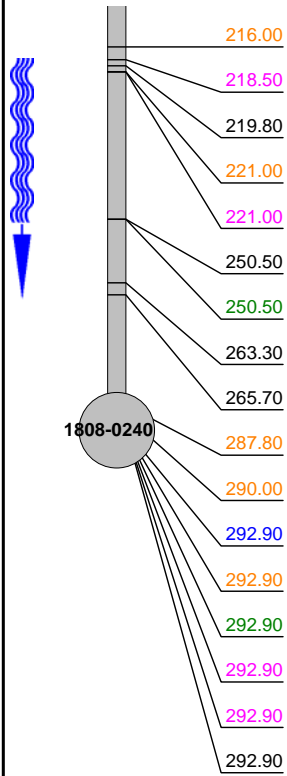
1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0241	00:00:38	13184	
	3.00 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:12	13185, b	S 2
	4.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:54	13187	
	6.00	Water Level, 10 %, within 8 inch: NO	00:02:21	13188	
	6.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:33	13189	
	58.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:12	13190	
	60.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:33	13191	
	62.00 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:05	13192, b	S 3
	109.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:46	13194	
	112.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:04	13195	
	114.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:22	13196	
	115.80 S3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:44	13197, b	M 1
	117.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:8:10	13199	
	118.50	Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES	00:08:53	13200, b	S 3
	118.50	Water Level, 20 %, within 8 inch: NO	00:09:11	13202	
	128.80	Water Level, 10 %, within 8 inch: NO	00:09:35	13203	
	165.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:01	13204	
	167.20	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:11:25	13205, b	S 4
	187.80	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:12:29	13207, b	M 1
	206.80	Tap Factory Defective, at 9 o'clock, 6", 2, within 8 inch: NO	00:14:04	13209, b	M 2
	206.80	Crack Multiple, from 8 to 10 o'clock, within 8 inch: NO	00:14:19	13211, b	S 3



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1779	PSR: 59365
Total Pipe Length: 267.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:462	position	observation	MPEG	photo	grade
	<u>216.00</u>	Surface Aggregate Visible Unknown, from 2 to 5 o'clock, within 8 inch: YES	00:15:13	13213, b	S 3
	<u>218.50</u>	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:15:45	13215, b	S 4
	<u>219.80</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:12	13217	
	<u>221.00</u>	Broken, at 10 o'clock, within 8 inch: YES	00:16:39	13218, b	S 3
	<u>221.00</u> S4	Surface Aggregate Missing Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:16:51	13220, b	S 4
	<u>250.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:59	13222	
	<u>250.50</u>	Roots Fine Connection, from 3 to 5 o'clock, within 8 inch: NO	00:19:11	13223, b	M 1
	<u>263.30</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:07	13225	
	<u>265.70</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:25	13226	
	<u>287.80</u>	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES	00:21:50	13227, b	S 3
	<u>290.00</u>	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES	00:22:47	13229, b	S 3
	<u>292.90</u> F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:26	13231	S 2
	<u>292.90</u> F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:38	13232	S 3
	<u>292.90</u> F3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:51	13233	M 1
	<u>292.90</u> F4	Surface Aggregate Missing Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:24:03	13234	S 4
	<u>292.90</u>	Surface Aggregate Missing Unknown, from 4 to 8 o'clock, within 8 inch: NO	00:24:36	13235, b	S 4
	<u>292.90</u>	Manhole, within 8 inch: NO, Remarks: 1808-0240	00:25:12	13237	





Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1865	PSR: 59601
Total Pipe Length: 192.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/03/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1808-0094
City: ZLAS	Year Renewed	End MH: 1808-0095
Location Code: Alley	Tape/Media #: G312-055	pipe length: 193.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Polyethylene Pipe Length:
Drain. Area: 0094/1808-0095/1808	Lining Method: Cured in Place
Category:	

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0094	00:00:41	15016	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:26	15017	
	62.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:13	15018	
	83.20	Tap Break-in Defective, at 9 o'clock, 6", 2, within 8 inch: NO	00:04:19	15019, b	M 3
	83.20	Broken Soil Visible, from 8 to 9 o'clock, within 8 inch: NO	00:04:33	15021, b	S 5
	93.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:26	15023	
	122.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:32	15024	
	129.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:04	15025	
	146.30	Deposits Ingressed Fine, from 5 to 7 o'clock, 10 %, within 8 inch: NO, Remarks: SAND, Start	00:08:01	15026, b	M 2
	163.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:09:13	15029	
	165.00	Water Level Sag, 25 %, within 8 inch: NO, Start	00:09:27	15030, b	M 2
	179.70	Water Level Sag, 25 %, within 8 inch: NO, End	00:10:22	15032	M 2
	179.70	Water Level, 15 %, within 8 inch: NO	00:10:33	15033	
	184.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:53	15034	
	190.60	Water Level, 20 %, within 8 inch: NO	00:11:14	15035	
	193.80	Deposits Ingressed Fine, from 5 to 7 o'clock, 10 %, within 8 inch: NO, Remarks: SAND, End	00:11:46	15036	M 2
	193.80	General Observation, within 8 inch: NO, Remarks: MATERIAL:LCP	00:12:17	15037	
	193.80	Manhole, within 8 inch: NO, Remarks: 1808-0095	00:12:52	15038	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	312B	5	35	40	5	2.06	2.22



Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 477	PSR: 59560
Total Pipe Length: 253.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: LEOTA ST	Flow Control: Not Controlled	Start MH: 1808-0054
City: ZLAS	Year Renewed:	End MH: 1808-0055
Location Code: Light Highway	Tape/Media #: R311-061	pipe length: 291.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Polyethylene Pipe Length:
Drain. Area: 0054/1808-0055/1808	Lining Method: Cured in Place
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0054	00:00:20	7736	
	6.00	General Observation, within 8 inch: NO, Remarks: Pipe Material Lining CP	00:01:42	7737	
	7.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:23	7738	
	18.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:01	7739	
	27.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:35	7740	
	41.70	Water Level, 5 %, within 8 inch: NO	00:04:11	7741	
	68.00	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:05:19	7742	
	118.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:06	7743	
	118.20	Broken Soil Visible, at 9 o'clock, within 8 inch: NO, Remarks: In Side Of Lateral	00:07:36	7744, b	S 5
	128.30	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:08:17	7746	
	153.10	Tap Factory Abandoned, at 2 o'clock, 6", within 8 inch: NO	00:09:21	7747	
	192.80	Tap Factory Abandoned, at 2 o'clock, 6", within 8 inch: NO	00:10:56	7748	
	220.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:02	7749	
	252.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:13:20	7750	
	270.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:10	7751	
	285.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:58	7752	
	291.70	Vermin Cockroach, within 8 inch: NO	00:15:45	7753, b	M 1
	291.70	Manhole, within 8 inch: NO, Remarks: 1808-0055	00:16:01	7755	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	1100	5	1	6	5	1	3



Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 471	PSR: 59665
Total Pipe Length: 306.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/29/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: ROSEBERRY AV	Flow Control: Not Controlled	Start MH: 1808-0036
City: ZLAS	Year Renewed	End MH: 1808-0034
Location Code: Light Highway	Tape/Media #: R311-061	pipe length: 318.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"/10"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0034/1808-0036/1808	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0036	00:00:20	7686	
	20.30	Water Level, 15 %, within 8 inch: NO	00:01:51	7687	
	24.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 4'	00:02:20	7688	
	123.00	Roots Fine Joint, from 7 to 1 o'clock, within 8 inch: YES	00:05:35	7689, b	M 1
	195.60	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:08:32	7691, b	S 5
	318.30	Manhole, within 8 inch: NO, Remarks: 1808-0034	00:13:30	7693	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	1100	5	1	6	5	1	3



Inspection report

Date: 20100429	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 445	PSR: 59554
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/26/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: ROSEBERRY AV	Flow Control: Not Controlled	Start MH: 1808-0049
City: ZLAS	Year Renewed	End MH: 1808-0046A
Location Code: Light Highway	Tape/Media #: R311-059	pipe length: 143.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"/10"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0046/1808-0049/1808	Lining Method:
	Category:

Remark::

1:325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0049	00:00:20	7288	
	6.00	Water Level, 20 %, within 8 inch: NO	00:01:27	7289	
	16.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 4'	00:02:14	7290	
	45.40	Tap Break-in Active, at 1 o'clock, 4", within 8 inch: NO	00:03:20	7291	
	71.60	Broken Soil Visible, from 9 to 11 o'clock, within 8 inch: NO	00:04:57	7292, b	S 5
	95.40	Tap Factory, at 12 o'clock, 4", within 8 inch: NO	00:06:19	7294	
	107.00	Water Level Sag, 40 %, within 8 inch: NO, Start	00:06:59	7295, b	M 3
	119.80	Water Level Sag, 40 %, within 8 inch: NO, End	00:07:31	7297, b	M 3
	119.80	Water Level, 15 %, within 8 inch: NO	00:07:44	7299	
	143.20	Manhole, within 8 inch: NO, Remarks: 1808-0046A-Note Found Add	00:09:54	7300	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3300	5	9	14	5	3	3.5



Inspection report

Date: 20100427	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 418	PSR: 59442
Total Pipe Length: 339.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/23/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: BROADWAY	Flow Control: Not Controlled	Start MH: 1808-0191
City: ZLAS	Year Renewed	End MH: 1808-TRNK
Location Code: Light Highway	Tape/Media #: R311-057	pipe length: 335.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0191/1808-TRNK/1808	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0191	00:00:29	6814	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:07	6815	
	12.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:39	6816	
	19.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:03	6817	
	24.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:33	6818	
	60.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:49	6819	
	62.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:13	6820	
	65.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:38	6821	
	106.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:06:01	6822	
	144.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:18	6823	
	151.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:52	6824	
	154.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:21	6825	
	192.00	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:39	6826	
	196.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:06	6827	
	262.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:08	6828	
	265.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:33	6829	
	275.20	Tap Factory Capped, at 10 o'clock, 6", within 8 inch: NO	00:13:11	6830	
	278.00	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:13:39	6831	
	333.10	Broken, from 12 to 6 o'clock, within 8 inch: YES	00:15:54	6832, b	S 5
	333.10	Material Change, within 8 inch: NO, Remarks: To VCP	00:16:37	6834, b	
333.90	Alignment Down, 90 %, within 8 inch: NO, Remarks: Drop Pipe	00:17:17	6836	M 4	
335.50	Manhole, within 8 inch: NO, Remarks: 1808-TRNK	00:17:37	6837		
335.50	General Observation, within 8 inch: NO, Remarks: Also Found VCP Pipe Mater	00:18:16	6838		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	4100	5	4	9	5	4	4.5



Inspection report

Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 409	PSR: 59465
Total Pipe Length: 202.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/23/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0215
City: ZLAS	Year Renewed:	End MH: 1808-0214
Location Code: Light Highway	Tape/Media #: R311-056	pipe length: 259.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0214/1808-0215/1808	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0215	00:00:21	6618	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:30	6619, b	M 1
	6.90	Tap Factory Abandoned, at 10 o'clock, 6", within 8 inch: NO	00:01:45	6621	
	11.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:14	6622	
	17.80	Water Level, 5 %, within 8 inch: NO	00:02:39	6623	
	20.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:3:10	6624	
	34.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:46	6625	
	63.10	Tap Factory Abandoned, at 2 o'clock, 6", within 8 inch: NO	00:04:53	6626	
	70.70	Tap Factory Abandoned, at 2 o'clock, 6", within 8 inch: NO	00:05:30	6627	
	111.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:06:52	6628	
	161.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:08:27	6629	
	164.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:55	6630	
	171.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:30	6631	
	209.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:10:48	6632	
	222.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:29	6633	
	235.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:12	6634	
	238.70	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:12:56	6635, b	S 5
	259.30	Vermin Cockroach, within 8 inch: NO	00:14:07	6637, b	M 1
	259.30	Manhole, within 8 inch: NO, Remarks: 1808-0214	00:14:22	6639	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	1200	5	2	7	5	1	2.33



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 403	PSR: 59471
Total Pipe Length: 264.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLOWER ST	Flow Control: Not Controlled	Start MH: 1808-0221
City: ZLAS	Year Renewed:	End MH: 1808-0220
Location Code: Light Highway	Tape/Media #: R311-055	pipe length: 259.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0220/1808-0221/1808	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0221	00:00:29	6498	
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:20	6499	
	8.60	Water Level, 5 %, within 8 inch: NO	00:01:40	6500	
	<u>21.20</u>	Broken Soil Visible, at 8 o'clock, within 8 inch: NO	00:02:17	6501, b	S 5
	48.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:24	6503	
	50.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:48	6504	
	96.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:26	6505	
	101.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:56	6506	
	150.10	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:07:37	6507	
	152.80	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:02	6508	
	198.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:35	6509	
	201.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:10:01	6510	
	251.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:43	6511	
	254.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:16	6512	
	258.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:48	6513	
	259.80	Manhole, within 8 inch: NO, Remarks: 1808-0220	00:13:31	6514	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	0000	5	0	5	5	0	5



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 401	PSR: 59472
Total Pipe Length: 215.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLOWER ST	Flow Control: Not Controlled	Start MH: 1808-0222
City: ZLAS	Year Renewed	End MH: 1808-0221
Location Code: Light Highway	Tape/Media #: R311-055	pipe length: 3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0221/1808-0222/1808	Lining Method:
	Category:

Remark::

1:25	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0222	00:00:29	6480	
	3.00	Broken Void Visible, from 4 to 7 o'clock, within 8 inch: NO	00:01:35	6481, b	S 5
	3.00	Abandoned Survey, within 8 inch: NO, Remarks: Due To Broken Void Vidinl	00:02:42	6483, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	0000	5	0	5	5	0	5



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1724	PSR: 59315
Total Pipe Length: 251.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: CALIFORNIA ST	Flow Control: Not Controlled	Start MH: 1808-0325
City: ZLAS	Year Renewed:	End MH: 1808-0317
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 64.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0317/1808-0325/1808	Lining Method:
	Category:

Remark::

1:150	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0325	00:00:34	11234	
	5.00 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:01:50	11235, b	M 2
	38.30	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:12	11237	
	40.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:03:49	11238	
	64.70 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:04:54	11239	M 2
	64.70	Broken, from 7 to 6 o'clock, within 8 inch: YES	00:05:20	11240, b	S 5
	64.70	Joint Offset Medium, within 8 inch: YES	00:05:33	11242, b	S 1
	64.70	Obstacle Pipe Material, from 5 to 7 o'clock, 15 %, within 8 inch: NO	00:05:52	11244, b	M 3
	64.70	Abandoned Survey, within 8 inch: NO, Remarks: COMPLETES INSPECTION OF E	00:06:21	11246	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	312B	6	33	39	3	2.06	2.17



Inspection report

Date: 20100430	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1075	PSR: 59672
Total Pipe Length: 176.00	Survey Customer: LACDPW	System Owner: RPV	Clean Date: 04/28/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: CUDAHY ST	Flow Control: Not Controlled	Start MH: 1808-0039
City: ZLAS	Year Renewed	End MH: 1808-TRNK
Location Code: Light Highway	Tape/Media #: M315-012	pipe length: 270.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0039/1808-TRNK/1808	Lining Method:
	Category:

Remark::

1:528	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0039	00:00:24	4937	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:37	4938	M 1
	4.70	Water Level, 20 %, within 8 inch: NO	00:00:52	4939	
	9.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:1:10	4940	
	17.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:01:37	4941	
	27.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:06	4942	
	35.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:31	4943	
	55.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:21	4944	
	60.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:03:43	4945	
	75.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:26	4946	
	87.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:03	4947	
	100.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:38	4948	
	117.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:23	4949	
	126.80	Broken Void Visible, from 2 to 4 o'clock, within 8 inch: YES	00:07:31	4950, b	S 5
	126.80	Fracture Circumferential, from 11 to 2 o'clock, within 8 inch: YES	00:07:47	4952, b	S 2
	135.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:08:31	4954	
	140.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:54	4955	
	153.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:29	4956	
	165.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:04	4957	
	175.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:35	4958	
	193.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:22	4959	
	210.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:09	4960	
	213.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:25	4961	

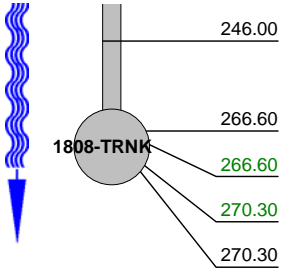


Inspection report

Date: 20100430	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1075	PSR: 59672
Total Pipe Length: 176.00	Survey Customer: LACDPW	System Owner: RPV	Clean Date: 04/28/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:528	position	observation	MPEG	photo	grade
	246.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:13:56	4962	
	266.60	Material Change, within 8 inch: NO, Remarks: PIPE CHANGES TO VCP	00:15:07	4963, b	
	266.60	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:21	4965, b	S 1
	270.30	Vermin Cockroach, within 8 inch: NO	00:15:58	4967	M 1
	270.30	Manhole, within 8 inch: NO, Remarks: 1808-TRNK	00:16:06	4968	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	1200	8	2	10	2.67	1	2





Inspection report

Date: 20100325	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 170	PSR: 65564
Total Pipe Length: 315.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1709

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1709-0016
City: ZLAS	Year Renewed	End MH: 1709-0015
Location Code: Easement/Right of Way	Tape/Media #: R311-034	pipe length: 314.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0015/1709-0016/1709	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1709-0016	00:00:21	3272	
	6.10	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:01:49	3273	
	6.10	Roots Medium Lateral, at 10 o'clock, 25 %, within 8 inch: NO	00:02:03	3274, b	M 3
	13.80	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:02:53	3276	
	13.80	Roots Ball Lateral, at 10 o'clock, 80 %, within 8 inch: NO	00:03:07	3277, b	M 4
	23.50	Water Level, 5 %, within 8 inch: NO	00:03:43	3279	
	28.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:04:09	3280	
	45.00	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:04:57	3281	
	111.90	Roots Fine Joint, from 6 to 8 o'clock, within 8 inch: YES, Start	00:07:15	3282, b	M 1
	113.10	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:07:51	3284	
	114.80	Roots Fine Joint, from 6 to 8 o'clock, within 8 inch: YES, End	00:08:13	3285, b	M 1
	166.50	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:10:19	3287	
	219.80	Tap Factory, at 10 o'clock, 4", within 8 inch: NO	00:12:33	3288	
	219.80	Roots Ball Lateral, at 10 o'clock, 95 %, within 8 inch: NO	00:12:49	3289, b	M 4
	237.60	Tap Break-in Active, at 11 o'clock, 4", within 8 inch: NO	00:14:04	3291	
	261.70	Fracture Circumferential, from 10 to 11 o'clock, within 8 inch: YES	00:15:28	3292, b	S 2
	262.90	Tap Factory Capped, at 11 o'clock, 4", within 8 inch: NO	00:16:05	3294	
	290.80	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:17:22	3295	
	314.60	Broken Soil Visible, from 6 to 8 o'clock, within 8 inch: NO, Remarks: Mh Channel	00:19:11	3296, b	S 5
	314.60	Manhole, within 8 inch: NO, Remarks: 1709-0015	00:20:31	3298	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	4231	7	12	19	3.5	3	3.17



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1750	PSR: 59424
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0322
City: ZLAS	Year Renewed	End MH: 1808-0299
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 267.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0299/1808-0322/1808	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0322	00:00:21	12100	
	5.00 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:02:24	12101, b	M 2
	43.40 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:51	12103, b	S 2
	70.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:59	12106	
	73.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:22	12107	
	83.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:48	12108	
	104.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:32	12109	
	115.10	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:07:12	12110, b	S 5
	135.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:06	12112	
	139.10 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:08:21	12113	M 2
	139.10	Water Level, 15 %, within 8 inch: NO	00:08:32	12114	
	176.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:32	12115	
	192.50 S3	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES, Start	00:10:31	12116, b	M 1
	217.90	Water Level, 20 %, within 8 inch: NO	00:12:32	12118	
	222.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:57	12119	
	222.40	Roots Fine Connection, from 6 to 9 o'clock, within 8 inch: NO	00:13:16	12120, b	M 1
	222.40 S4	Water Level Sag, 30 %, within 8 inch: NO, Start	00:13:37	12122, b	M 2



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1750	PSR: 59424
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:495	position	observation	MPEG	photo	grade
	227.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:11	12124	
	237.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:06	12125	
	237.50	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:15:16	12126, b	M 1
	267.90	Obstacle Thru Connection, from 3 to 9 o'clock, 20 %, within 8 inch: NO, Remarks: PIECE OF BROKEN PIPE	00:17:11	12128, b	M 3
	267.90 F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:17:33	12130	S 2
	267.90 F3	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES, End	00:17:46	12131	M 1
	267.90 F4	Water Level Sag, 30 %, within 8 inch: NO, End	00:18:02	12132	M 2
	267.90	Water Level, 15 %, within 8 inch: NO	00:18:18	12133	
	267.90	Abandoned Survey, within 8 inch: NO, Remarks: COMPLETES INSPECTION OF E	00:18:34	12134	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
512L	312I	117	114	231	2.05	1.7	1.86



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1734	PSR: 59299
Total Pipe Length: 351.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLOWER ST	Flow Control: Not Controlled	Start MH: 1808-0301
City: ZLAS	Year Renewed:	End MH: 1808-0302
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 349.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0301/1808-0302/1808	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0301	00:00:47	11521	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:16	11522	
	10.30	S1 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:43	11523, b	S 2
	33.10	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:03:17	11525, b	S 2
	38.40	Fracture Circumferential, from 4 to 7 o'clock, within 8 inch: YES	00:03:59	11527, b	S 2
	39.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:29	11529	
	42.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:56	11530	
	47.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:26	11531	
	51.10	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:06:01	11532, b	S 1
	80.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:12	11534	
	131.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:47	11535	
	133.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:13	11536	
	179.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:41	11537	
	181.00	Broken Void Visible, from 3 to 5 o'clock, within 8 inch: YES	00:11:14	11538, b	S 5
	181.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:37	11540	
	189.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:04	11541	
	192.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:23	11542	
	284.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:44	11543	
	286.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:07	11544	
	294.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:41	11545	
340.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:08	11546		
346.40	F1 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:17:31	11547	S 2	
349.60	Manhole, within 8 inch: NO, Remarks: 1808-0302	00:18:28	11548		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
512S	0000	178	0	178	2.02	0	2.02



Inspection report

Date: 20100512	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2114	PSR: 59296
Total Pipe Length: 198.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1809

Street: SANTA FE AV	Flow Control: Not Controlled	Start MH: 1809-0110
City: ZLAS	Year Renewed:	End MH: 1809-0111
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-060	pipe length: 279.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 15"
Use of Sewer: Sanitary	Material: Polyethylene Pipe Length:
Drain. Area: 0110/1809-0111/1809	Lining Method: Spiral Wound
Category:	

Remark::

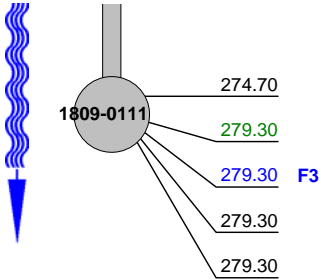
1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1809-0110	00:00:26	819	
	6.00	Water Level, 20 %, within 8 inch: NO	00:02:46	820	
	6.00	General Observation, within 8 inch: NO, Remarks: PIPE SIZE:15" LCP	00:03:04	821	
	16.10 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:03:25	822, b	M 2
	39.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:24	824	
	42.70	Lining Failure Detached, from 6 to 9 o'clock, within 8 inch: NO	00:05:11	825, b	S 3
	42.70	Broken Soil Visible, from 8 to 9 o'clock, within 8 inch: NO	00:05:45	827, b	S 5
	100.40 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:07:46	829	M 2
	100.40	Water Level, 20 %, within 8 inch: NO	00:08:02	830	
	120.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:45	831	
	126.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:08	832	
	160.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:21	833	
	165.00 S2	Water Level Sag, 30 %, within 8 inch: NO, Start	00:10:43	834, b	M 2
	167.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:26	836	
	197.40 F2	Water Level Sag, 30 %, within 8 inch: NO, End	00:12:29	837	M 2
	197.40	Water Level, 15 %, within 8 inch: NO	00:12:43	838	
	199.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:10	839	
	209.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:40	840	
	230.70 S3	Water Level Sag, 30 %, within 8 inch: NO, Start	00:14:34	841, b	M 2
	238.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:12	843	
	251.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:53	844	



Inspection report

Date: 20100512	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2114	PSR: 59296
Total Pipe Length: 198.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1809

1:561	position	observation	MPEG	photo	grade
	274.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:47	845	
	279.30	Vermin Cockroach, within 8 inch: NO	00:18:03	846, b	M 1
	279.30 F3	Water Level Sag, 30 %, within 8 inch: NO, End	00:18:24	848	M 2
	279.30	Water Level, 20 %, within 8 inch: NO	00:18:35	849	
	279.30	Manhole, within 8 inch: NO, Remarks: 1809-0111	00:18:53	850	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2H11	8	83	91	4	1.98	2.07



Inspection report

Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1793	PSR: 59447
Total Pipe Length: 286.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/25/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HILL ST	Flow Control: Not Controlled	Start MH: 1808-0196
City: ZLAS	Year Renewed:	End MH: 1808-0197
Location Code: Light Highway	Tape/Media #: G312-050	pipe length: 207 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0196/1808-0197/1808	Lining Method:
	Category:

Remark::

1:475	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0196	00:00:32	13686	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:44	13687, b	M 1
	1.00	Water Level, 15 %, within 8 inch: NO	00:01:11	13689	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:35	13690	
	19.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:18	13691	
	24.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:44	13692	
	57.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:57	13693	
	62.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:23	13694	
	109.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:55	13695	
	116.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:38	13696	
	134.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:23	13697	
	152.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:06	13698	
	157.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:29	13699	
	170.30	Crack Longitudinal, at 9 o'clock, within 8 inch: NO	00:09:26	13700, b	S 2
	170.30	Broken Soil Visible, from 2 to 5 o'clock, within 8 inch: NO	00:09:48	13702, b	S 5
	170.30	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:10:33	13704, b	S 2
	170.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:07	13706	
	201.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:17	13707	
	202.40	Crack Multiple, from 7 to 1 o'clock, within 8 inch: YES	00:12:48	13708, b	S 3
	205.00	Material Change, within 8 inch: NO, Remarks: CAST-IRON PIPE	00:13:34	13710	
	207.00	Manhole, within 8 inch: NO, Remarks: 1808-0197	00:14:00	13711	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	1100	12	1	13	3	1	2.6



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1778	PSR: 59367
Total Pipe Length: 189.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: SEVILLE AV	Flow Control: Not Controlled	Start MH: 1808-0242
City: ZLAS	Year Renewed:	End MH: 1808-0243
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-049	pipe length: 163.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0242/1808-0243/1808	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0242	00:00:39	13161	
	0.00	Material Change, within 8 inch: NO, Remarks: CAST-IRON PIPE BELL	00:01:02	13162	
	0.00	Surface Corrosion Metal Pipe, from 4 to 8 o'clock, within 8 inch: NO	00:01:23	13163, b	S 3
	1.50	Material Change, within 8 inch: NO, Remarks: CONCRETE PIPE	00:02:23	13165	
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:53	13166	
	6.00	Water Level, 10 %, within 8 inch: NO	00:03:16	13167	
	7.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:31	13168	
	15.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:07	13169	
	17.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:26	13170	
	111.80	Deposits Attached Grease, from 9 to 3 o'clock, 10 %, within 8 inch: YES, Start	00:07:29	13171, b	M 2
	132.30	Deposits Attached Grease, from 8 to 4 o'clock, 15 %, within 8 inch: YES, Start	00:08:58	13173, b	M 3
	132.30	Deposits Attached Grease, from 9 to 3 o'clock, 10 %, within 8 inch: YES, End	00:09:21	13175	M 2
	144.50	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:10:06	13176, b	M 1
	146.10	Deposits Attached Grease, from 8 to 4 o'clock, 15 %, within 8 inch: YES, End	00:10:26	13178	M 3
	146.60	Deposits Attached Grease, from 8 to 3 o'clock, 10 %, within 8 inch: YES	00:10:49	13179, b	M 2
	162.70	Broken, from 4 to 8 o'clock, within 8 inch: NO	00:11:47	13181, b	S 5
	163.10	Manhole, within 8 inch: NO, Remarks: 1808-0243	00:12:25	13183	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	3326	8	22	30	4	2.2	2.5



Inspection report

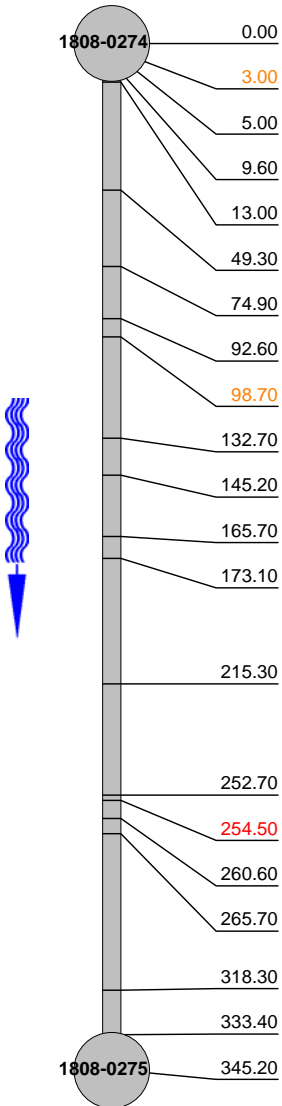
Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 390	PSR: 59398
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: BROADWAY	Flow Control: Not Controlled	Start MH: 1808-0274
City: ZLAS	Year Renewed	End MH: 1808-0275
Location Code: Light Highway	Tape/Media #: R311-054	pipe length: 345.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0274/1808-0275/1808	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0274	00:00:27	6282	
	3.00	Broken, at 3 o'clock, within 8 inch: YES	00:01:03	6283, b	S 3
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:44	6285	
	9.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:04	6286	
	13.00	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:02:34	6287	
	49.30	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:03:41	6288	
	74.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:39	6289	
	92.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:31	6290	
	98.70	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:06:03	6291, b	S 3
	132.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:07:58	6293	
	145.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:08:38	6294	
	165.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:31	6295	
	173.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:05	6296	
	215.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:32	6297	
	252.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:12:54	6298	
	254.50	Broken Void Visible, from 7 to 10 o'clock, within 8 inch: NO	00:13:44	6299, b	S 5
	260.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:31	6301	
	265.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:01	6302	
	318.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:45	6303	
	333.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:17:33	6304	
	345.20	Manhole, within 8 inch: NO, Remarks: 1808-0275	00:18:21	6305	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	0000	11	0	11	3.67	0	3.67



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1725	PSR: 59323
Total Pipe Length: 275.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: MOUNTAIN VIEW AV	Flow Control: Not Controlled	Start MH: 1808-0325
City: ZLAS	Year Renewed:	End MH: 1808-0326
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 299 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0325/1808-0326/1808	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0325	00:00:44	11247	
	5.10	Water Level, 5 %, within 8 inch: NO	00:01:20	11248	
	74.30 S1	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, Start	00:03:14	11249, b	M 1
	79.00	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:04:04	11251, b	S 5
	89.40 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:55	11253, b	S 3
	103.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:35	11255	
	107.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:05:53	11256	
	112.50 F1	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, End	00:06:09	11257	M 1
	177.20 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:07:30	11258	S 3
	203.40	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:08:25	11259	
	206.80	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:08:47	11260	
	299.00	Manhole, within 8 inch: NO, Remarks: 1808-0326	00:11:16	11261	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513C	1A00	71	10	81	3.09	1	2.45



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1780	PSR: 59364
Total Pipe Length: 297.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0240
City: ZLAS	Year Renewed	End MH: 1808-0239
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 292.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0239/1808-0240/1808	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0240	00:00:38	13238	
	0.00	Roots Fine Joint, from 1 to 5 o'clock, within 8 inch: YES	00:1:10	13239, b	M 1
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:59	13241	
	5.00 S1	Surface Spalling Other, from 3 to 9 o'clock, within 8 inch: YES, Start	00:02:16	13242, b	S 2
	6.50	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:02:52	13244, b	M 1
	7.50	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:03:27	13246, b	M 1
	7.50	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:03:37	13248, b	S 5
	10.50	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES	00:04:59	13250, b	S 3
	12.90	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:05:50	13252, b	S 2
	50.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:14	13254	
	50.10	Roots Fine Connection, from 2 to 5 o'clock, within 8 inch: NO	00:07:29	13255, b	M 1
	52.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:04	13257	
	65.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:41	13258	
	67.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:00	13259	
	105.10	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:16	13260, b	S 3
	150.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:29	13262	
	152.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:56	13263	
	184.50	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES	00:14:03	13264, b	S 3
	189.80	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:14:54	13266, b	S 2
	192.20	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:15:57	13268, b	S 3



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1780	PSR: 59364
Total Pipe Length: 297.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	196.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:35	13270	
	197.50	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:17:01	13271, b	S 3
	197.50 S2	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES, Start	00:17:20	13273, b	S 3
	198.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:51	13275	
	203.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:16	13276	
	249.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:46	13277	
	251.30	Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES	00:20:17	13278, b	S 3
	289.90 F1	Surface Spalling Other, from 3 to 9 o'clock, within 8 inch: YES, End	00:21:56	13280	S 2
	289.90 F2	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES, End	00:22:20	13281	S 3
	292.50	Surface Spalling Other, from 4 to 8 o'clock, within 8 inch: NO	00:22:52	13282, b	S 2
	292.50	Manhole, within 8 inch: NO, Remarks: 1808-0239	00:23:20	13284	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513E	1400	240	4	244	2.31	1	2.26



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1746	PSR: 59420
Total Pipe Length: 339.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: HOPE ST	Flow Control: Not Controlled	Start MH: 1808-0296
City: ZLAS	Year Renewed:	End MH: 1808-0297
Location Code: Light Highway	Tape/Media #: G312-046	pipe length: 348.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0296/1808-0297/1808	Lining Method:
	Category:

Remark::

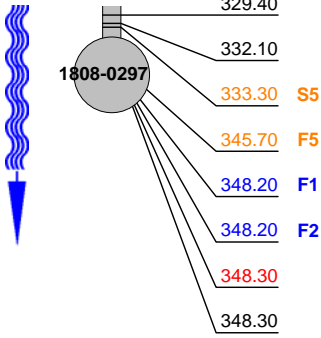
1:726	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0296	00:00:37	11954	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:06	11955	
	10.50 S1	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:01:47	11956, b	S 2
	34.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:57	11959	
	42.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:34	11960	
	46.30 S2	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:03:59	11961, b	S 2
	80.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:13	11963	
	90.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:46	11964	
	136.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:22	11965	
	146.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:04	11966	
	170.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:11	11967, b	S 3
	184.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:02	11969	
	188.20 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:39	11970, b	S 3
	227.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:18	11972	
	230.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:49	11973	
	266.70 S4	Fracture Circumferential, from 4 to 5 o'clock, within 8 inch: YES, Start	00:14:45	11974, b	S 2
	278.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:50	11976	
	280.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:26	11977	
	320.00 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:13	11978	S 3
	320.00 F4	Fracture Circumferential, from 4 to 5 o'clock, within 8 inch: YES, End	00:18:23	11979	S 2



Inspection report

Date: 20100420	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1746	PSR: 59420
Total Pipe Length: 339.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:726	position	observation	MPEG	photo	grade
	329.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:51	11980	
	332.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:17	11981	
	333.30 S5	Crack Multiple, from 3 to 5 o'clock, within 8 inch: YES, Start	00:19:53	11982, b	S 3
	345.70 F5	Crack Multiple, from 3 to 5 o'clock, within 8 inch: YES, End	00:20:41	11984	S 3
	348.20 F1	Crack Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:22:33	11985	S 2
	348.20 F2	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:22:44	11986	S 2
	348.30	Broken Soil Visible, from 3 to 5 o'clock, within 8 inch: NO	00:21:13	11987, b	S 5
	348.30	Manhole, within 8 inch: NO, Remarks: 1808-0297	00:22:04	11989	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513G	0000	462	0	462	2.19	0	2.19



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1727	PSR: 59304
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: LIVE OAK ST	Flow Control: Not Controlled	Start MH: 1808-0306
City: ZLAS	Year Renewed:	End MH: 1808-0307
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 351.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0306/1808-0307/1808	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0306	00:00:34	11296	
	4.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:01:25	11297, b	S 4
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:05	11299	
	6.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:44	11300, b	S 3
	6.90	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:03:14	11302, b	S 3
	7.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:39	11304	
	8.90	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:4:10	11305, b	S 2
	10.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:42	11307	
	48.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:58	11308	
	51.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:18	11309	
	64.90	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:07:03	11310, b	S 3
	72.60	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:08:02	11312, b	S 3
	88.00	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:08:59	11314, b	S 3
	96.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:53	11316	
	99.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:12	11317	
	117.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:51	11318	
	118.60	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:11:12	11319, b	S 2
	138.90 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:08	11321, b	S 3
	138.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:23	11323, b	M 1
	144.10 S1	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, Start	00:13:03	11325, b	M 1
	144.10	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:13:20	11327, b	S 1
	150.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:56	11329	
	171.80 F1	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, End	00:14:34	11330	M 1
	179.70 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:57	11331	S 3



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1727	PSR: 59304
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	<u>201.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:44	11332	
	<u>204.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:03	11333	
	<u>209.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:30	11334, b	
	<u>252.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:37	11336	
	<u>261.00</u> S3	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: YES, Start	00:19:27	11337, b	S 5
	<u>262.80</u> F3	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: YES, End	00:20:25	11339	S 5
	<u>262.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:46	11340	
	<u>284.40</u>	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:21:42	11341, b	S 3
	<u>303.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:24	11343	
	<u>344.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:45	11344	
	<u>347.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:25:06	11345	
	<u>347.10</u>	Crack Multiple, from 2 to 4 o'clock, within 8 inch: NO	00:25:25	11346, b	S 3
	<u>351.50</u>	Manhole, within 8 inch: NO, Remarks: 1808-0307	00:26:16	11348	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	1800	65	8	73	2.95	1	2.43



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1723	PSR: 59315
Total Pipe Length: 251.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: CALIFORNIA ST	Flow Control: Not Controlled	Start MH: 1808-0317
City: ZLAS	Year Renewed:	End MH: 1808-0325
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 284.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0317/1808-0325/1808	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0317	00:00:42	11207	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:11	11208	
	5.00 S1	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, Start	00:01:29	11209, b	S 3
	31.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:02:36	11211	
	56.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:03:33	11212	
	69.40	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:11	11213	
	69.40 F1	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, End	00:04:22	11214	S 3
	102.20 S2	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, Start	00:05:59	11215, b	S 3
	164.10	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:07:52	11217	
	215.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:09:30	11218	
	245.40	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:43	11219, b	S 3
	253.40	Joint Offset Medium, within 8 inch: YES	00:11:48	11221, b	S 1
	254.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:12:31	11223	
	272.40	Water Level, 15 %, within 8 inch: NO	00:13:10	11224	
	279.40	Water Level, 20 %, within 8 inch: NO	00:13:25	11225	
	284.50	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:14:04	11226, b	S 5
	284.50	Deformed, 10 %, within 8 inch: NO	00:14:36	11228, b	S 4
	284.90	Obstacle Pipe Material, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: PIECES OF BROKEN PIPE	00:15:27	11230, b	M 3
	284.90 F2	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, End	00:16:26	11232	S 3
	284.90	Abandoned Survey, within 8 inch: NO, Remarks: CAMERA BLOCKED BY PIECES	00:16:48	11233	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	3100	199	3	202	3.02	3	3.01



Inspection report

Date: 20100427	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1029	PSR: 59597
Total Pipe Length: 226.00	Survey Customer: LACDPW	System Owner: RPV	Clean Date: 04/26/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0090
City: ZLAS	Year Renewed	End MH: 1808-0091
Location Code: Light Highway	Tape/Media #: M315-009	pipe length: 288.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Polyethylene Pipe Length:
Drain. Area: 0090/1808-0091/1808	Lining Method: Cured in Place
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0090	00:00:31	4059	
	5.50	Deformed, 15 %, within 8 inch: NO, Remarks: LINING DEFORMED	00:01:15	4060, b	S 5
	6.00	Water Level, 15 %, within 8 inch: NO	00:02:04	4062	
	34.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:44	4063	
	34.00	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:03:54	4064	M 1
	36.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:12	4065	
	41.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:36	4066	
	41.80	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:04:52	4067	M 1
	87.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:45	4068	
	90.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:04	4069	
	135.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:46	4070	
	153.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:39	4071	
	156.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:54	4072	
	157.90	Deformed, 5 %, within 8 inch: NO, Remarks: LINING DEFORMED	00:10:26	4073, b	S 4
	223.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:24	4075	
	240.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:21	4076	
	251.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:59	4077	
	261.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:42	4078	
	288.80	Vermin Cockroach, within 8 inch: NO	00:17:17	4079	M 1
	288.80	Manhole, within 8 inch: NO, Remarks: 1808-0091	00:17:28	4080	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	1300	9	3	12	4.5	1	2.4



Inspection report

Date: 20100324	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 144	PSR: 69333
Total Pipe Length: 215.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 03/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1654

Street: 6TH ST	Flow Control: Not Controlled	Start MH: 1654-0396
City: ZLAS	Year Renewed:	End MH: 1654-0395
Location Code: Sidewalk	Tape/Media #: R311-033	pipe length: 198.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0395/1654-0396/1654	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1654-0396	00:00:26	2855	
	8.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:01:41	2856	
	12.10	Water Level, 5 %, within 8 inch: NO	00:02:08	2857	
	16.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:34	2858	
	38.10	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:26	2859	
	89.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:05:12	2860	
	138.10	Fracture Multiple, from 12 to 6 o'clock, within 8 inch: YES	00:07:45	2861, b	S 4
	139.70	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:28	2863	
	198.30	Broken Soil Visible, from 4 to 8 o'clock, within 8 inch: NO, Remarks: Mh Channel	00:11:13	2864, b	S 5
	198.30	Manhole, within 8 inch: NO, Remarks: 1654-0395	00:11:55	2866	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	0000	9	0	9	4.5	0	4.5



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1756	PSR: 59406
Total Pipe Length: 323.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0283
City: ZLAS	Year Renewed	End MH: 1808-0282
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 352.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0282/1808-0283/1808	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0283	00:00:37	12341	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:02	12342	
	37.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:00	12343	
	37.80	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:31	12344, b	S 3
	39.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:56	12346	
	51.50	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, Start	00:03:29	12347, b	S 3
	54.30	Crack Longitudinal, at 3 o'clock, within 8 inch: YES, Start	00:04:02	12351, b	S 2
	60.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:41	12353	
	93.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:09	12354	
	112.10	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:10:51	12355, b	S 4
	112.10	Broken Soil Visible, from 6 to 9 o'clock, within 8 inch: YES	00:11:12	12357, b	S 5
	112.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:11:28	12359, b	S 3
	135.80	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:13:23	12361, b	S 1
	136.10	Crack Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:13:46	12363	S 2
	136.10	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, End	00:13:58	12364	S 3
	142.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:20	12365	
	144.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:34	12366	
	155.80	Joint Offset Medium, within 8 inch: YES	00:15:13	12367, b	S 1
	155.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:27	12369, b	S 4
	169.00	Joint Offset Medium, within 8 inch: YES	00:16:22	12371, b	S 1
	170.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:51	12373	
	171.60	Water Level, 15 %, within 8 inch: NO	00:17:01	12374	
	189.90	Water Level, 10 %, within 8 inch: NO	00:17:34	12375	
	191.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:45	12376	



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1756	PSR: 59406
Total Pipe Length: 323.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	<u>201.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:18	12377	
	<u>204.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:39	12378	
	<u>252.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:21:07	12379	
	<u>253.70</u> F1	Crack Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:21:40	12380	S 2
	<u>254.80</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:54	12381	
	<u>258.50</u> F2	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES, End	00:22:11	12382	S 3
	<u>267.40</u> S1	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:22:40	12383, b	S 2
	<u>303.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:23	12385	
	<u>308.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:43	12386	
	<u>344.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:59	12387	
	<u>347.00</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:26:34	12388	
	<u>350.20</u> F1	Crack Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:27:04	12389	S 2
	<u>350.20</u>	Material Change, within 8 inch: NO, Remarks: CAST-IRON PIPE, BELL	00:27:43	12390	
	<u>352.20</u>	Manhole, within 8 inch: NO, Remarks: 1808-0282	00:28:08	12391	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	0000	529	0	529	2.35	0	2.35



Inspection report

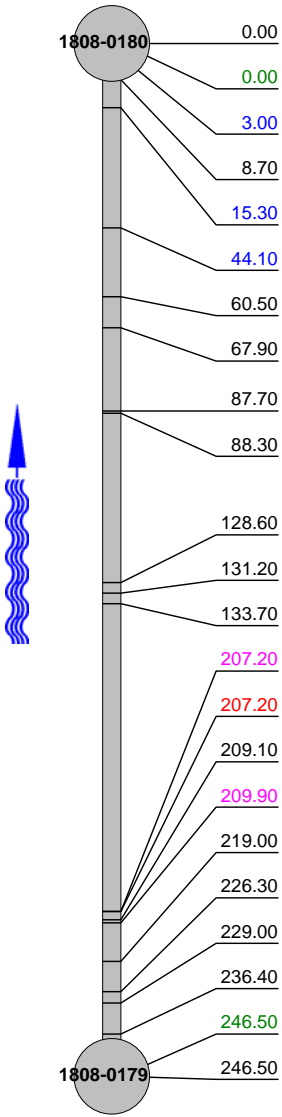
Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1019	PSR: 59431
Total Pipe Length: 271.00	Survey Customer: LACDPW	System Owner: RPV	Clean Date: 04/26/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1808-0180
City: ZLAS	Year Renewed	End MH: 1808-0179
Location Code: Light Highway	Tape/Media #: M315-008	pipe length: 246.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0179/1808-0180/1808	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0180	00:00:27	3870	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:33	3871	M 1
	3.00	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:01:11	3872, b	S 2
	8.70	Water Level, 15 %, within 8 inch: NO	00:02:14	3874	
	15.30	Deposits Attached Encrustation, from 7 to 5 o'clock, 10 %, within 8 inch: YES	00:02:49	3875, b	M 2
	44.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:04:28	3877, b	S 2
	60.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:24	3879	
	67.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:47	3880	
	87.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:06:37	3881	
	88.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:52	3882	
	128.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:16	3883	
	131.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:31	3884	
	133.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:48	3885	
	207.20	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:12:00	3886, b	S 4
	207.20	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:12:37	3888, b	S 5
	209.10	Tap Break-in Active, at 12 o'clock, 4", within 8 inch: NO	00:13:25	3892	
	209.90	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:13:50	3893, b	S 4
	219.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:51	3895	
	226.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:16	3896	
	229.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:31	3897	
	236.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:56	3898	
	246.50	Vermin Cockroach, within 8 inch: NO	00:16:32	3899	M 1
	246.50	Manhole, within 8 inch: NO, Remarks: 1808-0179	00:16:42	3900	





Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1762	PSR: 59411
Total Pipe Length: 281.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0287
City: ZLAS	Year Renewed	End MH: 1808-0320
Location Code: Light Highway	Tape/Media #: G312-048	pipe length: 349.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0287/1808-0320/1808	Lining Method:
	Category:

Remark::

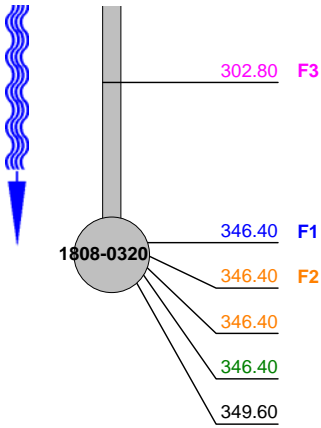
1:627	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0287	00:00:40	12627	
	0.10	Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: NO	00:00:59	12628, b	S 3
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:44	12630	
	15.60 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:18	12631, b	S 2
	19.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:48	12634	
	24.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:10	12635	
	26.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:17	12636	
	58.90 S2	Surface Aggregate Visible Unknown, from 3 to 5 o'clock, within 8 inch: YES, Start	00:05:25	12637, b	S 3
	70.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:06	12639	
	113.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:22	12640	
	119.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:56	12641	
	138.40	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:08:42	12642, b	S 5
	165.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:48	12644	
	214.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:37	12645	
	217.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:57	12646	
	263.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:24	12647	
	264.30 S3	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:13:51	12648, b	S 4
	264.30	Surface Aggregate Missing Unknown, from 8 to 9 o'clock, within 8 inch: YES	00:14:11	12650, b	S 4
	265.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:46	12652	
	273.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:14	12653	
	276.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:15:42	12654	



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1762	PSR: 59411
Total Pipe Length: 281.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:627	position	observation	MPEG	photo	grade
	302.80	F3 Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:25	12655	S 4
	346.40	F1 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:17:29	12656	S 2
	346.40	F2 Surface Aggregate Visible Unknown, from 3 to 5 o'clock, within 8 inch: YES, End	00:17:40	12657	S 3
	346.40	Fracture Longitudinal, at 1 o'clock, within 8 inch: YES	00:18:07	12658, b	S 3
	346.40	Crack Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:18:24	12660, b	S 1
	349.60	Manhole, within 8 inch: NO, Remarks: 1808-0320	00:19:00	12662	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
514A	0000	438	0	438	2.58	0	2.58



Inspection report

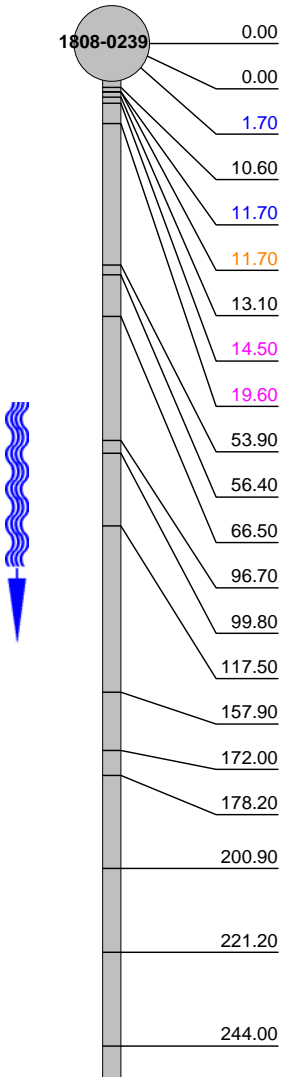
Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1781	PSR: 59362
Total Pipe Length: 281.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0239
City: ZLAS	Year Renewed	End MH: 1808-0238
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 291.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0238/1808-0239/1808	Lining Method:
	Category:

Remark::

1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0239	00:00:41	13285	
	0.00	Water Level, 15 %, within 8 inch: NO	00:00:55	13286	
	1.70 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:26	13287, b	S 2
	10.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:18	13289	
	11.70	Obstacle Pipe Material, from 8 to 10 o'clock, 10 %, within 8 inch: NO	00:03:06	13290, b	M 2
	11.70 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:17	13292, b	S 3
	13.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:52	13294	
	14.50	Broken, from 7 to 9 o'clock, within 8 inch: YES	00:04:19	13295, b	S 4
	19.60 S3	Surface Aggregate Missing Unknown, from 4 to 9 o'clock, within 8 inch: YES, Start	00:05:04	13297, b	S 4
	53.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:43	13301	
	56.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:09	13302	
	66.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:04	13303	
	96.70	Water Level, 15 %, within 8 inch: NO	00:09:04	13304	
	99.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:29	13305	
	117.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:47	13306	
	157.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:17	13307	
	172.00	General Observation, within 8 inch: NO, Remarks: CONCRETE PIPE	00:13:30	13308	
	178.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:50	13309	
	200.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:58	13310	
	221.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:04	13311	
	244.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:07	13312	

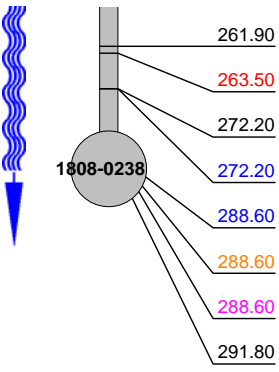




Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1781	PSR: 59362
Total Pipe Length: 281.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:561	position	observation	MPEG	photo	grade
	261.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:18:38	13313	
	263.50	Broken, from 6 to 9 o'clock, within 8 inch: YES	00:19:12	13314, b	S 5
	272.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:51	13316	
	272.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:20:14	13317, b	S 2
	288.60 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:03	13319	S 2
	288.60 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:17	13320	S 3
	288.60 F3	Surface Aggregate Missing Unknown, from 4 to 9 o'clock, within 8 inch: YES, End	00:22:31	13321	S 4
	291.80	Manhole, within 8 inch: NO, Remarks: 1808-0238	00:23:23	13322	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5140	2100	630	2	632	2.99	2	2.98



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1721	PSR: 59314
Total Pipe Length: 329.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: CALIFORNIA ST	Flow Control: Not Controlled	Start MH: 1808-0316
City: ZLAS	Year Renewed	End MH: 1808-0317
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 274 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0316/1808-0317/1808	Lining Method:
	Category:

Remark::

1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0316	00:00:36	11150	
	5.00	Water Level, 10 %, within 8 inch: NO	00:00:58	11151	
	24.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:36	11152	
	37.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:18	11153	
	64.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:17	11154	
	79.70	Water Level, 20 %, within 8 inch: NO	00:03:49	11155	
	85.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:15	11156	
	112.50	Surface Spalling Other, from 3 to 5 o'clock, within 8 inch: NO	00:05:35	11157, b	S 2
	116.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:19	11159	
	123.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:55	11160	
	128.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:28	11161	
	130.30	Surface Spalling Other, from 4 to 8 o'clock, within 8 inch: YES	00:08:21	11162, b	S 2
	131.20 S1	Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES, Start	00:09:35	11164, b	S 3
	187.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:11	11168	
	194.30	Broken, from 8 to 9 o'clock, within 8 inch: YES	00:12:47	11169, b	S 3
	215.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:48	11171	
	228.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:23	11172	
	240.40	Water Level, 20 %, within 8 inch: NO	00:14:54	11173	
	243.80 S2	Water Level Sag, 30 %, within 8 inch: NO, Start	00:15:07	11174, b	M 2
	247.60	Broken Soil Visible, from 7 to 6 o'clock, within 8 inch: YES	00:16:13	11176, b	S 5
	247.60	Deformed, 20 %, within 8 inch: NO	00:16:49	11178, b	S 5



Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1721	PSR: 59314
Total Pipe Length: 329.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:561	position	observation	MPEG	photo	grade
		<p>Water Level Sag, 30 %, within 8 inch: NO, End</p> <p>Water Level, 15 %, within 8 inch: NO</p> <p>Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO</p> <p>Obstacle Pipe Material, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: PIECE OF BROKEN PIPE</p> <p>Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES, End</p> <p>Abandoned Survey, within 8 inch: NO, Remarks: DUE TO PIECE OF BROKEN PI</p>	<p>00:18:01</p> <p>00:18:11</p> <p>00:19:43</p> <p>00:22:56</p> <p>00:25:16</p> <p>00:26:13</p>	<p>11180</p> <p>11181</p> <p>11182</p> <p>11183, b</p> <p>11185</p> <p>11186</p>	<p>M 2</p> <p></p> <p></p> <p>M 3</p> <p>S 3</p> <p></p>

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
523G	3125	125	13	138	3.05	2.17	2.94



Inspection report

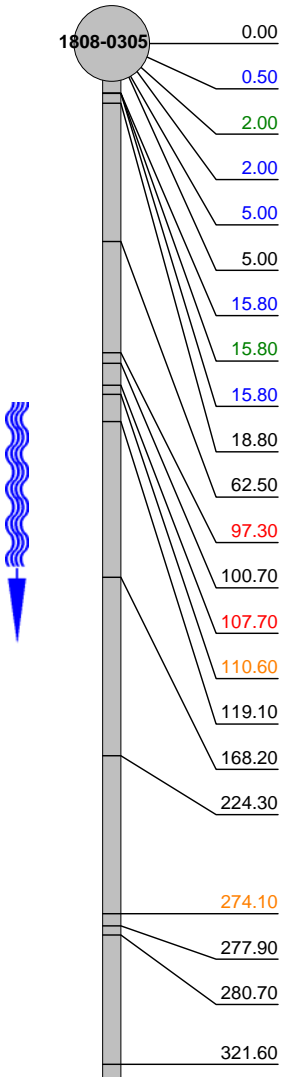
Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1738	PSR: 59303
Total Pipe Length: 302.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLOWER ST	Flow Control: Not Controlled	Start MH: 1808-0305
City: ZLAS	Year Renewed:	End MH: 1808-0323
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 348.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0305/1808-0323/1808	Lining Method:
	Category:

Remark::

1:726	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0305	00:00:37	11646	
	0.50 S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:01:00	11647, b	M 2
	2.00	Joint Offset Medium, within 8 inch: YES	00:01:42	11649, b	S 1
	2.00	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:54	11651, b	S 2
	5.00 F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:02:42	11653	M 2
	5.00	Water Level, 15 %, within 8 inch: NO	00:02:54	11654	
	15.80	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:03:30	11655, b	S 2
	15.80	Joint Offset Medium, within 8 inch: YES	00:03:43	11657, b	S 1
	15.80 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:00	11659, b	S 2
	18.80	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:40	11661	
	62.50	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:06:32	11662	
	97.30	Broken Void Visible, from 7 to 5 o'clock, within 8 inch: YES	00:07:51	11663, b	S 5
	100.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:08:28	11665	
	107.70	Broken Void Visible, from 7 to 5 o'clock, within 8 inch: YES	00:9:10	11666, b	S 5
	110.60 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:09:55	11668, b	S 3
	119.10	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:10:35	11670	
	168.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:12:01	11671	
	224.30	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:13:40	11672	
	274.10 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:01	11673	S 3
	277.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:23	11674	
	280.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:15:50	11675	
	321.60	Water Level, 20 %, within 8 inch: NO	00:17:01	11676	

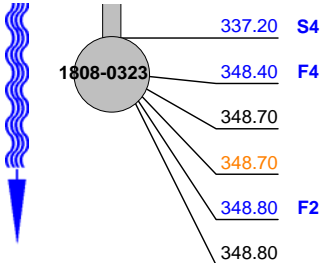




Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1738	PSR: 59303
Total Pipe Length: 302.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:726	position	observation	MPEG	photo	grade
	<u>337.20</u> S4	Water Level Sag, 25 %, within 8 inch: NO, Start	00:17:34	11677, b	M 2
	<u>348.40</u> F4	Water Level Sag, 25 %, within 8 inch: NO, End	00:18:09	11679	M 2
	<u>348.70</u>	Water Level, 10 %, within 8 inch: NO	00:18:20	11680	
	<u>348.70</u>	Broken, from 7 to 8 o'clock, within 8 inch: NO	00:18:35	11681, b	S 3
	<u>348.80</u> F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:56	11683	S 2
	<u>348.80</u>	Manhole, within 8 inch: NO, Remarks: 1808-0323	00:19:14	11684	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
523H	2400	308	8	316	2.35	2	2.34



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1737	PSR: 59302
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLOWER ST	Flow Control: Not Controlled	Start MH: 1808-0304
City: ZLAS	Year Renewed:	End MH: 1808-0305
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 348.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0304/1808-0305/1808	Lining Method:
	Category:

Remark::

1:594	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0304	00:00:38	11600	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:52	11601	
	<u>20.90</u>	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:01:48	11602, b	S 2
	<u>24.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:25	11604	
	<u>26.80</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:47	11605	
	<u>75.00</u>	Broken Soil Visible, from 4 to 5 o'clock, within 8 inch: YES	00:04:38	11606, b	S 5
	<u>75.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:07	11608	
	<u>78.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:38	11609	
	<u>81.80</u>	Fracture Circumferential, from 1 to 3 o'clock, within 8 inch: YES	00:06:13	11610, b	S 2
	<u>82.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:39	11612	
	<u>85.70</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:07	11613	
	<u>107.20</u>	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:08:12	11614, b	S 2
	<u>107.20</u> S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:27	11616, b	S 2
	<u>125.40</u>	Broken, from 7 to 11 o'clock, within 8 inch: YES	00:09:35	11619, b	S 5
	<u>129.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:16	11621	
	<u>130.50</u> S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:46	11622, b	S 3
	<u>138.30</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:11:44	11625, b	S 3
	<u>140.90</u>	Joint Offset Medium, within 8 inch: YES	00:12:29	11627, b	S 1
	<u>170.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:41	11629	
	<u>175.20</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:05	11630	
	<u>183.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:36	11631	
	<u>229.00</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:24	11632	
	<u>251.60</u> S3	Water Level Sag, 25 %, within 8 inch: NO, Start	00:17:09	11633, b	M 2

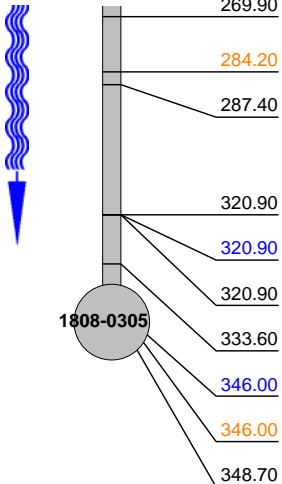


Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1737	PSR: 59302
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:594	position	observation	MPEG	photo	grade
	269.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:07	11635	
	284.20	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:18:59	11636, b	S 3
	287.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:44	11638	
	320.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:21:48	11639	
	320.90 F3	Water Level Sag, 25 %, within 8 inch: NO, End	00:21:58	11640	M 2
	320.90	Water Level, 15 %, within 8 inch: NO	00:22:08	11641	
	333.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:37	11642	
	346.00 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:26	11643	S 2
	346.00 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:46	11644	S 3
	348.70	Manhole, within 8 inch: NO, Remarks: 1808-0305	00:24:36	11645	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
523L	2B00	305	34	339	2.5	2	2.44





Inspection report

Date: 20100416	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1726	PSR: 59322
Total Pipe Length: 300.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/16/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: MOUNTAIN VIEW AV	Flow Control: Not Controlled	Start MH: 1808-0325
City: ZLAS	Year Renewed	End MH: 1808-0324
Location Code: Light Highway	Tape/Media #: G312-044	pipe length: 303.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0324/1808-0325/1808	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0325	00:00:40	11262	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:15	11263	
	13.10 S1	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, Start	00:02:05	11264, b	S 3
	32.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:03:02	11268, b	S 3
	34.40 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:39	11270, b	S 3
	103.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:05:56	11274	
	109.70	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:06:26	11275	
	142.00 S3	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:32	11276, b	S 3
	199.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:09:14	11279	
	204.00	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:09:43	11280	
	289.40 S4	Water Level Sag, 25 %, within 8 inch: NO, Start	00:12:35	11281, b	M 2
	297.40	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES	00:13:18	11283, b	S 4
	297.40	Broken, from 7 to 6 o'clock, within 8 inch: YES	00:13:30	11285, b	S 5
	300.30	Broken, from 7 to 6 o'clock, within 8 inch: YES	00:14:15	11287, b	S 5
	300.30	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES	00:14:30	11289, b	S 4
	303.90 F1	Surface Aggregate Visible Unknown, from 4 to 8 o'clock, within 8 inch: YES, End	00:15:08	11291	S 3
	303.90 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:22	11292	S 3
	303.90 F3	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:34	11293	S 3
	303.90 F4	Water Level Sag, 25 %, within 8 inch: NO, End	00:15:46	11294	M 2
	303.90	Manhole, within 8 inch: NO, Remarks: 1808-0325	00:16:09	11295	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5242	2400	561	8	569	3.03	2	3.01



Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1860	PSR: 59373
Total Pipe Length: 360.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/03/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLORENCE AV	Flow Control: Not Controlled	Start MH: 1808-TRNK
City: ZLAS	Year Renewed:	End MH: 1808-0249
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-055	pipe length: 48.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0249/1808-TRNK/1808	Lining Method:
	Category:

Remark::

1:125	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-TRNK	00:00:28	14906	
	0.00	Material Change, within 8 inch: NO, Remarks: LCP	00:01:47	14907	
	1.00	Material Change, within 8 inch: NO, Remarks: CP	00:03:20	14908	
	1.00	Deposits Attached Grease, from 2 to 10 o'clock, 15 %, within 8 inch: YES	00:03:43	14909, b	M 3
	1.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:03:56	14911, b	S 3
	1.00	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:04:08	14913, b	M 1
	1.00	Broken Soil Visible, from 7 to 5 o'clock, within 8 inch: YES	00:04:26	14915, b	S 5
	3.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:28	14917	
	3.00	Deposits Attached Grease, at 9 o'clock, 45 %, within 8 inch: NO	00:05:40	14918	M 5
	6.20 S1	Water Level Sag, 35 %, within 8 inch: NO, Start	00:06:28	14919, b	M 3
	7.80	Deposits Attached Grease, from 4 to 8 o'clock, 10 %, within 8 inch: NO	00:07:07	14921, b	M 2
	20.60	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:02	14923, b	S 4
	28.20 S2	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:44	14925, b	S 4
	46.50	Broken, from 4 to 6 o'clock, within 8 inch: NO	00:10:21	14927, b	S 4
	48.30	Broken, from 7 to 6 o'clock, within 8 inch: YES	00:12:26	14929, b	S 5
	48.30 F1	Water Level Sag, 35 %, within 8 inch: NO, End	00:12:59	14931	M 3
	48.30 F2	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:13:09	14932	S 4
	48.30	Abandoned Survey, within 8 inch: NO, Remarks: CAMERA BLOCKED BY BROKEN	00:13:32	14933	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5247	513A	41	44	85	4.1	2.93	3.4



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1754	PSR: 59416
Total Pipe Length: 313.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: GRAND AV	Flow Control: Not Controlled	Start MH: 1808-0292
City: ZLAS	Year Renewed:	End MH: 1808-0293
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 348.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0292/1808-0293/1808	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0292	00:00:43	12226	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:58	12227	
	1.90	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:01:26	12228, b	S 3
	1.90 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:51	12230, b	S 2
	36.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:37	12232	
	76.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:00	12233	
	117.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:21	12234	
	117.00	Water Level, 15 %, within 8 inch: NO	00:06:46	12235	
	119.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:02	12236	
	123.50	Broken Soil Visible, from 3 to 5 o'clock, within 8 inch: YES	00:07:54	12237, b	S 5
	123.50	Roots Tap Joint, from 4 to 6 o'clock, 15 %, within 8 inch: YES	00:08:14	12239, b	M 2
	123.50	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:08:40	12241, b	S 3
	123.80 S2	Water Level Sag, 25 %, within 8 inch: NO, Start	00:09:34	12243, b	M 2
	135.10 F2	Water Level Sag, 25 %, within 8 inch: NO, End	00:10:16	12245	M 2
	135.10	Water Level, 10 %, within 8 inch: NO	00:10:31	12246	
	145.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:11:09	12247, b	S 3
	148.50 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:11:51	12249, b	S 3
	151.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:28	12251, b	M 1
	167.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:49	12253	
	168.80	Roots Fine Joint, from 1 to 6 o'clock, within 8 inch: YES	00:14:11	12254, b	M 1
	170.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:45	12256	
	171.30 S4	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:15:09	12257, b	M 1
	181.40 S5	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:16:08	12259, b	S 3
	191.50	Joint Offset Medium, within 8 inch: YES	00:16:51	12261, b	S 1



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1754	PSR: 59416
Total Pipe Length: 313.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:462	position	observation	MPEG	photo	grade
	217.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:05	12263	
	220.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:55	12264	
	220.40	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:19:08	12265, b	M 1
	221.70	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:20:03	12267, b	S 4
	225.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:37	12269	
	268.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:01	12270	
	269.60 F4	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:31	12271	M 1
	270.50 F5	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:22:54	12272	S 3
	275.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:23:17	12273	
	278.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:43	12274	
	284.80	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:25:06	12275, b	S 4
	299.80	Broken, from 2 to 4 o'clock, within 8 inch: YES	00:26:03	12277, b	S 4
	302.30	Broken, from 2 to 4 o'clock, within 8 inch: YES	00:26:53	12279, b	S 4
	312.40	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:27:43	12281, b	S 4
	312.40	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:28:19	12283, b	M 1
	315.00	Fracture Multiple, from 7 to 9 o'clock, within 8 inch: YES	00:29:01	12285, b	S 4
	317.30 S6	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:29:48	12287, b	S 4
	317.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:29:59	12289, b	M 1
	319.80	Broken, from 7 to 10 o'clock, within 8 inch: YES	00:30:48	12291, b	S 5
	319.80 S7	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:31:07	12293, b	M 1
	325.60 S8	Water Level Sag, 30 %, within 8 inch: NO, Start	00:32:33	12295, b	M 2
	345.20 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:33:55	12297	S 2
	345.20 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:34:22	12298	S 3
	345.20 F6	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:34:43	12299	S 4
	345.20 F7	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:34:54	12300	M 1
	348.20 F8	Water Level Sag, 30 %, within 8 inch: NO, End	00:35:40	12301	M 2
	348.20	Manhole, within 8 inch: NO, Remarks: 1808-0293	00:36:03	12302	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
524A	2A1G	457	56	513	2.6	1.22	2.31



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1764	PSR: 59370
Total Pipe Length: 173.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0245
City: ZLAS	Year Renewed	End MH: 1808-0246
Location Code: Light Highway	Tape/Media #: G312-048	pipe length: 240.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0245/1808-0246/1808	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0245	00:00:37	12679	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:15	12680	
	6.00 S1	Deposits Ingressed Other, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: SAND, Start	00:01:39	12681, b	M 3
	37.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:59	12684	
	42.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:22	12685	
	47.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:46	12686	
	66.30	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:04:56	12687, b	S 4
	76.90 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:46	12689, b	S 2
	76.90 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:57	12691, b	S 3
	81.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:06:45	12693, b	S 4
	82.50 S4	Surface Aggregate Missing Unknown, from 4 to 8 o'clock, within 8 inch: YES, Start	00:07:19	12695, b	S 4
	86.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:47	12698	
	98.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:19	12699	
	142.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:45	12700	
	152.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:15	12701	
	155.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:34	12702	
	179.40 S5	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, Start	00:11:55	12703, b	S 3
	192.10	Fracture Circumferential, from 1 to 3 o'clock, within 8 inch: YES	00:12:56	12707, b	S 2
	199.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:36	12709	
	209.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:13	12710	



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1764	PSR: 59370
Total Pipe Length: 173.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

1:495	position	observation	MPEG	photo	grade
	232.90	F3 Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:31	12711	S 3
	232.90	F4 Surface Aggregate Missing Unknown, from 4 to 8 o'clock, within 8 inch: YES, End	00:15:44	12712	S 4
	232.90	S6 Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: YES, Start	00:15:59	12713, b	S 5
	240.20	Surface Aggregate Missing Unknown, from 4 to 8 o'clock, within 8 inch: NO, Remarks: MISSING PIPE	00:17:10	12716, b	S 4
	240.20	F1 Deposits Ingressed Other, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: SAND, End	00:18:01	12718	M 3
	240.20	F2 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:16	12719	S 2
	240.20	F5 Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:18:30	12720	S 3
	240.20	F6 Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: YES, End	00:18:44	12721	S 5
	240.20	Abandoned Survey, within 8 inch: NO, Remarks: DUE TO BOTTOM OF PIPE MIS	00:19:17	12722	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
524H	3M00	420	177	597	3.02	3	3.02



Inspection report

Date: 20100421	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1760	PSR: 59410
Total Pipe Length: 311.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0286
City: ZLAS	Year Renewed:	End MH: 1808-0287
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 151.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0286/1808-0287/1808	Lining Method:
	Category:

Remark::

1:350	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0286	00:00:34	12548	
	2.50 S2	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:15	12549, b	S 4
	2.50 S1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:31	12551, b	S 2
	4.00	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:02:25	12553, b	S 1
	6.00	Water Level, 10 %, within 8 inch: NO	00:03:02	12555	
	15.00	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:03:40	12556, b	S 4
	15.00	Broken Soil Visible, from 7 to 9 o'clock, within 8 inch: YES	00:03:55	12558, b	S 5
	20.10	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:04:51	12560, b	S 4
	22.80	Broken, from 3 to 5 o'clock, within 8 inch: YES	00:05:20	12562, b	S 4
	23.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:47	12564	
	26.50	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:06:13	12565	
	27.70 S3	Broken, from 3 to 5 o'clock, within 8 inch: YES, Start	00:06:42	12566, b	S 4
	72.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:16	12570	
	74.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:50	12571	
	109.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:34	12572	
	117.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:02	12573	
	127.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:40	12574	
	150.60 F3	Broken, from 3 to 5 o'clock, within 8 inch: YES, End	00:14:28	12575	S 4
	150.60 F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:40	12576	S 2
	150.60 F2	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:53	12577	S 4
	150.60 S4	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: NO, Start	00:15:20	12578, b	S 5
	151.70 F4	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: NO, End	00:16:32	12580	S 5
	151.70	Abandoned Survey, within 8 inch: NO, Remarks: DUE TO BROKEN PIPE	00:16:49	12581	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
524P	0000	369	0	369	3.32	0	3.32



Inspection report

Date: 20100419	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1732	PSR: 59309
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: LIVE OAK ST	Flow Control: Not Controlled	Start MH: 1808-0311
City: ZLAS	Year Renewed:	End MH: 1808-0324
Location Code: Light Highway	Tape/Media #: G312-045	pipe length: 348.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0311/1808-0324/1808	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0311	00:00:39	11460	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:57	11461	
	9.50 S1	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, Start	00:01:34	11462, b	S 2
	10.80	Water Level, 20 %, within 8 inch: NO	00:02:01	11464	
	16.80	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:02:28	11465	
	26.20 F1	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, End	00:03:04	11466	S 2
	33.50 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:42	11467, b	S 2
	62.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:56	11470	
	111.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:06:15	11471	
	164.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:07:45	11472	
	174.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:08:23	11473	
	218.40	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:09:54	11474	
	250.80 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:11:28	11475, b	S 3
	267.00	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:12:26	11477	
	280.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:09	11478	
	282.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:13:36	11479	
	312.10	Broken Soil Visible, from 3 to 4 o'clock, within 8 inch: YES	00:15:24	11480, b	S 5
	314.70	Broken, from 8 to 4 o'clock, within 8 inch: YES	00:16:03	11482, b	S 5
	345.30	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:18:06	11484, b	S 5
	345.30 F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:27	11486	S 2
	345.30 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:38	11487	S 3
	348.10	Broken, from 3 to 5 o'clock, within 8 inch: NO, Remarks: channel of dmh	00:19:15	11488, b	S 4
	348.10	Manhole, within 8 inch: NO, Remarks: 1808-0324	00:20:08	11490	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5341	0000	255	0	255	2.32	0	2.32



Inspection report

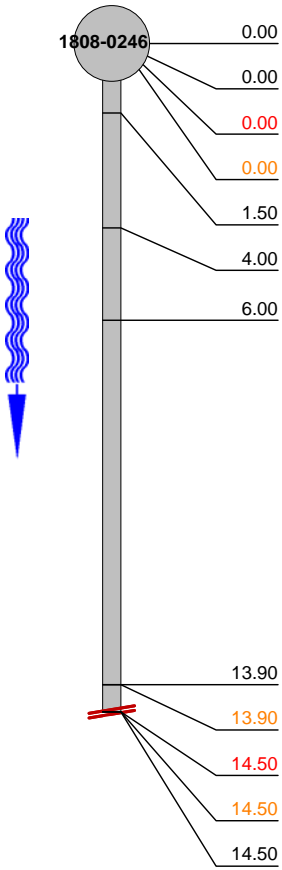
Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1763	PSR: 59370
Total Pipe Length: 173.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0246
City: ZLAS	Year Renewed:	End MH: 1808-0245
Location Code: Light Highway	Tape/Media #: G312-048	pipe length: 14.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0245/1808-0246/1808	Lining Method:
	Category:

Remark::

1:50	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0246	00:00:28	12663	
	0.00	Material Change, within 8 inch: NO, Remarks: CAST-IRON PIPE, BELL	00:00:55	12664	
	0.00 S1	Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: NO, Start	00:01:13	12665, b	S 5
	0.00 S2	Deposits Ingressed Other, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: SAND, Start	00:01:40	12668, b	M 3
	1.50	Material Change, within 8 inch: NO, Remarks: CONCRETE PIPE	00:02:24	12670	
	4.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:27	12671	
	6.00	Water Level, 10 %, within 8 inch: NO	00:03:56	12672	
	13.90	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:04:31	12673	
	13.90	Intruding Sealing Grout, from 3 to 5 o'clock, 15 %, within 8 inch: YES	00:04:50	12674, b	M 3
	14.50 F1	Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: NO, End	00:05:51	12676	S 5
	14.50 F2	Deposits Ingressed Other, from 5 to 7 o'clock, 15 %, within 8 inch: NO, Remarks: SAND, End	00:06:01	12677	M 3
	14.50	Abandoned Survey, within 8 inch: NO, Remarks: DUE TO BROKEN PIPE	00:06:22	12678	





Inspection report

Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1788	PSR: 59479
Total Pipe Length: 354.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/23/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: LIVE OAK ST	Flow Control: Not Controlled	Start MH: 1808-0229
City: ZLAS	Year Renewed:	End MH: 1808-TRNK
Location Code: Light Highway	Tape/Media #: G312-050	pipe length: 341.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0229/1808-TRNK/1808	Lining Method:
	Category:

Remark::

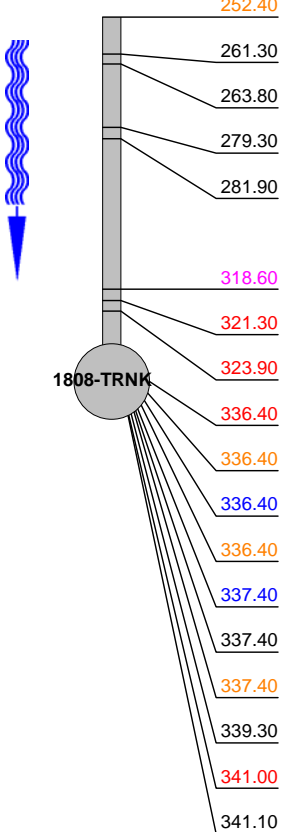
1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0229	00:00:42	13514	
	0.00	Broken Soil Visible, from 2 to 5 o'clock, within 8 inch: NO	00:01:50	13515, b	S 5
	0.00	Water Level, 10 %, within 8 inch: NO	00:02:13	13517	
	1.80 S1	Crack Multiple, from 9 to 2 o'clock, within 8 inch: YES, Start	00:02:38	13518, b	S 3
	15.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:36	13520	
	20.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:05	13521	
	23.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:24	13522	
	57.90	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:05:49	13523, b	S 3
	64.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:29	13525	
	73.10	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:10	13526, b	S 3
	76.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:00	13528	
	88.50	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:57	13529, b	S 4
	101.30	Broken Soil Visible, at 10 o'clock, within 8 inch: YES	00:10:09	13531, b	S 5
	101.30 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:19	13533, b	S 2
	112.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:10	13536	
	120.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:42	13537	
	152.70	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:13:07	13538, b	M 1
	164.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:54	13540	
	169.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:20	13541	
	171.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:45	13542	
	172.70	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:15:07	13543, b	S 2
	180.70	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:16:03	13545, b	S 4



Inspection report

Date: 20100426	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1788	PSR: 59479
Total Pipe Length: 354.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/23/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:561	position	observation	MPEG	photo	grade
	252.40 S3	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, Start	00:19:37	13547, b	S 3
	261.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:23	13549	
	263.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:47	13550	
	279.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:21:47	13551	
	281.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:13	13552	
	318.60	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:23:46	13553, b	S 4
	321.30	Broken, from 7 to 10 o'clock, within 8 inch: YES	00:24:30	13555, b	S 5
	323.90 S4	Broken, from 7 to 5 o'clock, within 8 inch: YES, Start	00:25:19	13557, b	S 5
	336.40 F4	Broken, from 7 to 5 o'clock, within 8 inch: YES, End	00:27:46	13560	S 5
	336.40 F1	Crack Multiple, from 9 to 2 o'clock, within 8 inch: YES, End	00:28:00	13561	S 3
	336.40 F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:28:12	13562	S 2
	336.40 F3	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES, End	00:28:25	13563	S 3
	337.40	Joint Offset Large, within 8 inch: YES	00:28:53	13564, b	S 2
	337.40	Material Change, within 8 inch: NO, Remarks: VCP	00:29:25	13566, b	
	337.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:29:54	13568, b	S 3
	339.30	Tap Factory Active, at 6 o'clock, 6", within 8 inch: NO, Remarks: DROP LATERAL	00:30:54	13570	
	341.00	Broken, from 10 to 2 o'clock, within 8 inch: NO	00:31:34	13571, b	S 5
	341.10	Manhole, within 8 inch: NO, Remarks: 1808-TRNK	00:32:22	13573	





Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 389	PSR: 59397
Total Pipe Length: 333.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: BROADWAY	Flow Control: Not Controlled	Start MH: 1808-0273
City: ZLAS	Year Renewed	End MH: 1808-0274
Location Code: Light Highway	Tape/Media #: R311-054	pipe length: 345.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0273/1808-0274/1808	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0273	00:00:27	6198	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:09	6199	
	8.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:33	6200	
	27.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:22	6201	
	32.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:02:54	6202	
	37.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:24	6203	
	<u>60.90</u>	Broken Soil Visible, at 4 o'clock, within 8 inch: NO	00:04:26	6204, b	S 5
	67.50	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:5:10	6206	
	<u>78.80</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:06:01	6207, b	S 3
	<u>91.70</u>	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:06:58	6209, b	S 3
	<u>93.90</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:41	6211, b	S 3
	105.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:08:25	6213	
	122.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:14	6214	
	<u>141.40</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:10	6215, b	S 3
	<u>147.60</u>	Broken Soil Visible, at 4 o'clock, within 8 inch: NO	00:11:07	6217, b	S 5
	147.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:35	6219	
	<u>152.20</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:12:06	6220, b	S 3
	<u>159.30</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:12:48	6222, b	S 3
	<u>164.30</u>	Broken Soil Visible, at 8 o'clock, within 8 inch: NO	00:14:21	6224, b	S 5
	<u>164.30</u>	Broken Soil Visible, from 4 to 5 o'clock, within 8 inch: YES	00:14:45	6226, b	S 5
	171.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:15:33	6228	
	<u>184.90</u>	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO	00:16:22	6229, b	S 3
	185.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:16:53	6231	



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 389	PSR: 59397
Total Pipe Length: 333.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/19/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	195.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:17:32	6232	
	197.10	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:18:02	6233, b	S 3
	199.40	Fracture Longitudinal, at 3 o'clock, within 8 inch: NO	00:18:34	6235, b	S 3
	220.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:39	6237	
	224.40	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:20:08	6238, b	S 2
	226.60	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:20:38	6240, b	S 3
	232.20	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:21:14	6242, b	S 2
	236.10	Broken Soil Visible, at 4 o'clock, within 8 inch: YES	00:21:48	6244, b	S 5
	239.30	Broken, at 4 o'clock, within 8 inch: YES	00:22:29	6246, b	S 3
	239.30	Broken, at 9 o'clock, within 8 inch: YES	00:22:49	6248, b	S 3
	252.20	Broken, at 3 o'clock, within 8 inch: YES	00:23:33	6250, b	S 3
	254.80	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:24:01	6252, b	S 3
	257.00	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:24:37	6254, b	S 3
	261.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:25:10	6256	
	262.20	Broken, at 5 o'clock, within 8 inch: YES	00:25:38	6257, b	S 3
	273.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:26:27	6259	
	281.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:27:04	6260	
	285.20	Broken, at 3 o'clock, within 8 inch: YES	00:27:30	6261, b	S 3
	285.20	Broken, at 8 o'clock, within 8 inch: YES	00:27:48	6263, b	S 3
	312.10	Broken Soil Visible, at 3 o'clock, within 8 inch: YES	00:29:05	6265, b	S 5
	314.60	Broken Soil Visible, at 3 o'clock, within 8 inch: NO	00:29:42	6267, b	S 5
	316.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:30:15	6269	
	323.90	Broken, at 4 o'clock, within 8 inch: YES	00:30:53	6270, b	S 3
	330.00	Broken, at 9 o'clock, within 8 inch: YES	00:31:33	6272, b	S 3
	330.00	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:31:52	6274, b	S 3
	339.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:32:40	6276	
	345.20	Broken Soil Visible, at 5 o'clock, within 8 inch: YES, Remarks: Mh Channel	00:33:24	6277, b	S 5
	345.20	Broken Soil Visible, at 7 o'clock, within 8 inch: NO, Remarks: Mh Channel	00:33:57	6279, b	S 5
	345.20	Manhole, within 8 inch: NO, Remarks: 1808-0274	00:34:27	6281	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
593C	0000	112	0	112	3.5	0	3.5



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1776	PSR: 59393
Total Pipe Length: 274.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: MOUNTAIN VIEW AV	Flow Control: Not Controlled	Start MH: 1808-0318
City: ZLAS	Year Renewed	End MH: 1808-0269
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 295.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 12"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0269/1808-0318/1808	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0318	00:00:39	13114	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:26	13115	
	11.20 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:56	13116, b	S 3
	11.20 S2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:14	13118, b	S 2
	21.90	Fracture Longitudinal, at 2 o'clock, within 8 inch: YES	00:03:06	13120, b	S 3
	29.60 S3	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:27	13122	S 3
	29.60	Broken, from 3 to 4 o'clock, within 8 inch: YES	00:04:53	13123, b	S 3
	32.20 S4	Broken, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:43	13125, b	S 5
	67.80 F4	Broken, from 7 to 5 o'clock, within 8 inch: YES, End	00:08:30	13127	S 5
	107.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:10:06	13128	
	113.00	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:10:35	13129	
	184.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:12:51	13130	
	293.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:16:15	13131, b	S 3
	293.10	Joint Offset Medium, within 8 inch: YES	00:16:25	13133, b	S 1
	293.10	Material Change, within 8 inch: NO, Remarks: VCP	00:16:47	13135, b	
	293.70	Water Level, 25 %, within 8 inch: NO	00:17:22	13137	
	295.20 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:59	13138	S 3
	295.20 F2	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:18	13139	S 2
	295.20 F3	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:30	13140	S 3
	295.30	General Observation, within 8 inch: NO, Remarks: ALSO FOUND VCP	00:18:31	13141	
	295.40	Manhole, within 8 inch: NO, Remarks: 1808-0269	00:17:56	13142	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
593Z	0000	608	0	608	2.75	0	2.75



Inspection report

Date: 20100510	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2107	PSR: 59439
Total Pipe Length: 330.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

Street: CUDAHY ST	Flow Control: Not Controlled	Start MH: 1808-0188
City: ZLAS	Year Renewed	End MH: 1808-0189
Location Code: Light Highway	Tape/Media #: G312-059	pipe length: 270.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0188/1808-0189/1808	Lining Method:
	Category:

Remark::

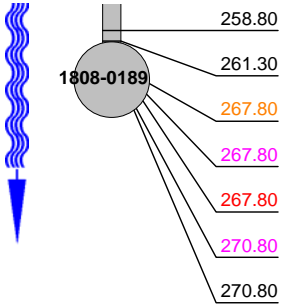
1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0188	00:00:35	647	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:43	648, b	M 1
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:30	650	
	6.00	Water Mark, 20 %, within 8 inch: NO	00:01:47	651	
	34.40	S1 Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:02	652, b	S 3
	60.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:08	654	
	92.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:29	655, b	S 3
	93.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:56	657	
	95.20	S2 Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:06:30	658, b	S 4
	96.40	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:07:03	660	
	96.40	Crack Longitudinal, at 9 o'clock, within 8 inch: NO	00:07:14	661, b	S 2
	119.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:08:16	663	
	136.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:00	664	
	159.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:52	665	
	177.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:35	666	
	182.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:00	667	
	190.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:42	668	
	191.70	S3 Broken, from 6 to 10 o'clock, within 8 inch: YES, Start	00:12:08	669, b	S 5
	200.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:54	671	
	225.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:49	672	
	238.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:21	673	
	241.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:52	674	



Inspection report

Date: 20100510	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 2107	PSR: 59439
Total Pipe Length: 330.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #: 1808

1:561	position	observation	MPEG	photo	grade
	<u>258.80</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:15:41	675	
	<u>261.30</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:00	676	
	<u>267.80</u> F1	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:30	677	S 3
	<u>267.80</u> F2	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:42	678	S 4
	<u>267.80</u> F3	Broken, from 6 to 10 o'clock, within 8 inch: YES, End	00:16:57	679	S 5
	<u>270.80</u>	Surface Aggregate Missing Unknown, from 4 to 8 o'clock, within 8 inch: NO	00:17:31	680, b	S 4
	<u>270.80</u>	Manhole, within 8 inch: NO, Remarks: 1808-0189	00:18:06	682	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5C4I	1100	450	1	451	3.66	1	3.64



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1761	PSR: 59410
Total Pipe Length: 311.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: OLIVE ST	Flow Control: Not Controlled	Start MH: 1808-0287
City: ZLAS	Year Renewed	End MH: 1808-0286
Location Code: Light Highway	Tape/Media #: G312-048	pipe length: 196.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0286/1808-0287/1808	Lining Method:
	Category:

Remark::

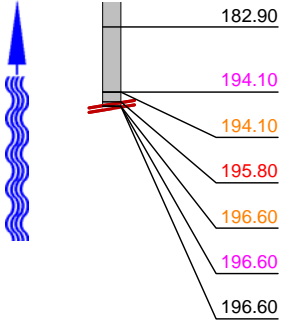
1:396	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0287	00:00:48	12582	
	3.00 S1	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: NO, Start	00:01:34	12583, b	S 3
	5.00 S2	Water Level Sag, 25 %, within 8 inch: NO, Start	00:02:33	12586, b	M 2
	13.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:16	12588	
	17.20 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:45	12589, b	S 3
	27.20 S5	Broken, from 3 to 9 o'clock, within 8 inch: YES, Start	00:04:42	12591, b	S 5
	27.20	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:04:53	12593, b	M 1
	32.40 S4	Broken, from 7 to 9 o'clock, within 8 inch: YES, Start	00:06:06	12595, b	S 4
	39.90	Roots Fine Joint, from 2 to 10 o'clock, within 8 inch: YES	00:07:03	12597, b	M 1
	69.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:05	12599	
	71.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:29	12600	
	76.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:56	12601	
	87.70 F5	Broken, from 3 to 9 o'clock, within 8 inch: YES, End	00:10:51	12602	S 5
	90.30	Broken, from 3 to 9 o'clock, within 8 inch: YES	00:11:36	12603, b	S 5
	95.50 S6	Surface Aggregate Missing Unknown, from 3 to 9 o'clock, within 8 inch: YES, Start	00:12:37	12605, b	S 4
	122.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:07	12608	
	163.40	Broken, from 3 to 9 o'clock, within 8 inch: YES	00:15:55	12609, b	S 5
	166.10	Broken, from 4 to 8 o'clock, within 8 inch: YES	00:16:55	12611, b	S 5
	168.60	Broken, from 3 to 9 o'clock, within 8 inch: YES	00:17:43	12613, b	S 5
	170.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:16	12615	
	171.20 F2	Water Level Sag, 25 %, within 8 inch: NO, End	00:18:52	12616	M 2
	171.20	Water Level, 15 %, within 8 inch: NO	00:19:10	12617	
	172.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:27	12618	



Inspection report

Date: 20100422	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1761	PSR: 59410
Total Pipe Length: 311.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/21/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:396	position	observation	MPEG	photo	grade
	182.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:16	12619	
	194.10 F6	Surface Aggregate Missing Unknown, from 3 to 9 o'clock, within 8 inch: YES, End	00:22:28	12620	S 4
	194.10 F1	Surface Aggregate Visible Unknown, from 7 to 5 o'clock, within 8 inch: NO, End	00:22:53	12621	S 3
	195.80	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: YES	00:24:14	12622, b	S 5
	196.60 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:25:16	12624	S 3
	196.60 F4	Broken, from 7 to 9 o'clock, within 8 inch: YES, End	00:25:40	12625	S 4
	196.60	Abandoned Survey, within 8 inch: NO, Remarks: COMPLETES INSPECTION OF E	00:26:08	12626	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5C4N	2H12	643	86	729	3.59	1.95	3.27



Inspection report

Date: 20100503	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1859	PSR: 59373
Total Pipe Length: 360.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/03/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: FLORENCE AV	Flow Control: Not Controlled	Start MH: 1808-0249
City: ZLAS	Year Renewed:	End MH: 1808-TRNK
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-055	pipe length: 110.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0249/1808-TRNK/1808	Lining Method:
	Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0249	00:00:35	14884	
	1.00	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:01:24	14885, b	S 5
	4.00 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:21	14887, b	S 3
	6.00	Water Level, 10 %, within 8 inch: NO	00:03:03	14889	
	9.30	Broken, from 9 to 4 o'clock, within 8 inch: YES	00:03:34	14890, b	S 5
	15.40 S2	Broken, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:36	14892, b	S 5
	53.50 S3	Water Level Sag, 25 %, within 8 inch: NO, Start	00:06:50	14896, b	M 2
	110.20 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:23	14898	S 3
	110.20 F2	Broken, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:34	14899	S 5
	110.20 F3	Water Level Sag, 25 %, within 8 inch: NO, End	00:10:44	14900	M 2
	110.50	Broken, from 4 to 8 o'clock, within 8 inch: NO	00:11:53	14901, b	S 5
	110.50	Surface Missing Wall, from 4 to 8 o'clock, within 8 inch: NO	00:12:20	14903, b	S 5
	110.50	Abandoned Survey, within 8 inch: NO, Remarks: CAMERA BLOCKED BY BROKEN	00:12:56	14905	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5E3E	2A00	221	28	249	4.02	2	3.61



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1782	PSR: 59363
Total Pipe Length: 279.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

Street: WALNUT ST	Flow Control: Not Controlled	Start MH: 1808-0238
City: ZLAS	Year Renewed	End MH: 1808-TRNK
Location Code: Light Highway	Tape/Media #: G312-049	pipe length: 286.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0238/1808-TRNK/1808	Lining Method:
	Category:

Remark::

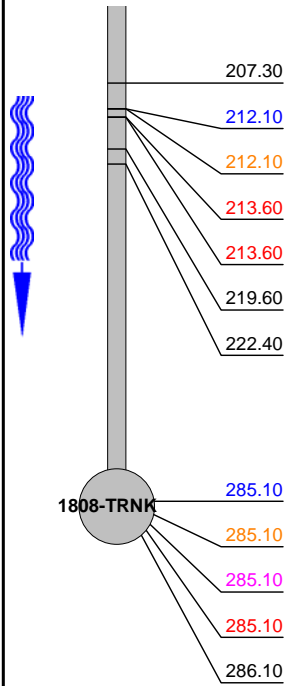
1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1808-0238	00:00:42	13323	
	0.00	Water Level, 15 %, within 8 inch: NO	00:00:52	13324	
	1.20	S1 Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:42	13325, b	S 2
	10.20	S2 Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES, Start	00:03:09	13327, b	S 3
	15.10	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:04:10	13329, b	S 3
	18.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:44	13331	
	20.20	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:14	13332, b	S 4
	25.40	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:06:03	13334, b	S 4
	29.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:00	13336	
	34.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:26	13337	
	52.50	S3 Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:36	13338, b	S 4
	64.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:27	13340	
	66.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:57	13341	
	109.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:29	13342	
	122.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:36	13343	
	124.00	Broken, from 8 to 9 o'clock, within 8 inch: YES	00:13:39	13344, b	S 3
	129.10	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:14:23	13346, b	S 5
	148.20	Tap Factory Defective, at 3 o'clock, 6", 2, within 8 inch: NO	00:15:33	13348	M 2
	148.20	Fracture Longitudinal, at 3 o'clock, within 8 inch: NO	00:15:47	13349, b	S 3
	149.40	Broken Soil Visible, from 7 to 5 o'clock, within 8 inch: YES	00:16:36	13351, b	S 5
	152.20	Broken Soil Visible, from 7 to 5 o'clock, within 8 inch: YES	00:17:44	13353, b	S 5
	157.30	Broken, from 7 to 9 o'clock, within 8 inch: YES	00:18:49	13355, b	S 4
	162.30	S4 Broken Soil Visible, from 7 to 5 o'clock, within 8 inch: YES, Start	00:19:55	13357, b	S 5



Inspection report

Date: 20100423	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1782	PSR: 59363
Total Pipe Length: 279.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 04/22/2010	Pre-Cleaned: Jetting	Map Grid #: 1808

1:429	position	observation	MPEG	photo	grade
	<u>207.30</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:33	13359	
	<u>212.10</u>	Tap Factory Defective, at 3 o'clock, 6", 2, within 8 inch: NO	00:23:10	13360, b	M 2
	<u>212.10</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: NO	00:23:24	13362, b	S 3
	<u>213.60</u> F4	Broken Soil Visible, from 7 to 5 o'clock, within 8 inch: YES, End	00:24:04	13364	S 5
	<u>213.60</u> S5	Broken, from 7 to 5 o'clock, within 8 inch: YES, Start	00:24:21	13365, b	S 5
	<u>219.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:05	13367	
	<u>222.40</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:25:32	13368	
	<u>285.10</u> F1	Surface Spalling Other, from 7 to 5 o'clock, within 8 inch: YES, End	00:27:57	13369	S 2
	<u>285.10</u> F2	Surface Aggregate Visible Unknown, from 3 to 9 o'clock, within 8 inch: YES, End	00:28:13	13370	S 3
	<u>285.10</u> F3	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:28:27	13371	S 4
	<u>285.10</u> F5	Broken, from 7 to 5 o'clock, within 8 inch: YES, End	00:28:40	13372	S 5
	<u>286.10</u>	Manhole, within 8 inch: NO, Remarks: 1808-TRNK	00:29:25	13373	



ENCLOSURE 5:

CCTV Sewer Inspection Project Schedule

CCTV PROJECT SCHEDULE

Unincorporated South Yard

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	STATUS
2005-2006	Y0TV0506B	193,626	COMPLETED
2006-2007	Y0TV0607A	123,540	COMPLETED
2007-2008	Y0TV0708G	358,900	COMPLETED
2008-2009	Y0TV0809D	116,748	COMPLETED
2009-2010	Y0TV0910A	138,970	COMPLETED
2009-2010	Y0TV0910D	302,176	REPORT IN PROGRESS
2011-2012	Y0TV1112C	484,633	FUTURE
2013-2014	Y0TV1314D	416,527	FUTURE

TOTAL (FT): 2,135,120

TOTAL (MILES) 404