

November 12, 2009

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations

FROM: Robert Swartz 
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0708G**

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 (District) has completed the closed-circuit television (CCTV) inspection of 359,110 feet or approximately 17 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 your 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)
- Quick Structural Rating Report Priority List and Quick Structural Rating 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 routine cleaning 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 (Y0TV0708G)

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

PROJECT NAME:	Y0TV0708G	PROJECT MGR:	Fernando Villaluna
PROJECT DATE:	05/12/08-07/28/08	CONTACT NO:	(626) 300-3380
SUP. DISTRICT(s):	5	MAP PAGE(S):	1644,1645,1699,1700,1701,1756
Report By:	Hanna Kebede	Report Date:	08/12/2009

INTRODUCTION

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 359,110 feet or approximately 17 percent of the Unincorporated Los Angeles County sewer system maintained by the District's South Yard.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0708G included sewer lines located in the Unincorporated County of Los Angeles area. Enclosed for your reference is an overview map of the project 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	Description	Estimate time to Failure
1:	EXCELLENT: Minor defects.	Unlikely in the foreseeable future
2:	GOOD: Defects that have not begun to deteriorate.	20 years or more
3:	FAIR: Moderate defects that will continue to deteriorate.	10 to 20 years
4:	POOR: Severe defects that will become grade 5 defects within the foreseeable future.	5 to 10 years
5:	IMMEDIATE ATTENTION: Defects requiring immediate attention.	Has failed or will likely fail within the next 5 years

MAINTENANCE REPORT

Our inspection revealed that approximately 88.7 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 11.3 percent of the inspected pipe segments within the Unincorporated Los Angeles County area had a PACP maintenance grade of 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). Also included is a color-coded map showing the quick maintenance rating for each pipe segment.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	201,606	56.1	878
2: Good	77,187	21.5	295
3: Fair	39,691	11.1	152
4: Poor	34,575	9.6	120
5: Immediate Attention	6,051	1.7	26
TOTAL	359,110	100.0	1471

STRUCTURAL REPORT

Our inspection revealed that approximately 96.3 percent of the inspected pipe segments within the Unincorporated Los Angeles County were free of severe structural defects. However, the remaining 3.7 percent of the inspected pipe segments had a PACP structural grade of 4 or 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 52 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method 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 reports for these fifty two segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	236,896	66.0	987
2: Good	52,861	14.7	211
3: Fair	56,029	15.6	221
4: Poor	4,909	1.4	16
5: Immediate Attention	8,415	2.3	36
TOTAL	359,110	100.0	1471

FUTURE PROJECTS

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

ENCLOSURE 1:

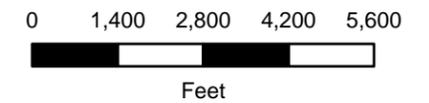
Project Overview Map

ENCLOSURE 1

CCTV PROJECT
Y0TV0708G

Supervisorial District 5
Unincorporated County

PROJECT OVERVIEW



Legend

SMD Sanitary Sewers

— SMD Sanitary Sewers

SMD Manholes

⊙ Other

MH Type

● Standard

⊗ Siphon

◇ Trap

▲ Shallow

▲ Drop

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

● Trunk Mh

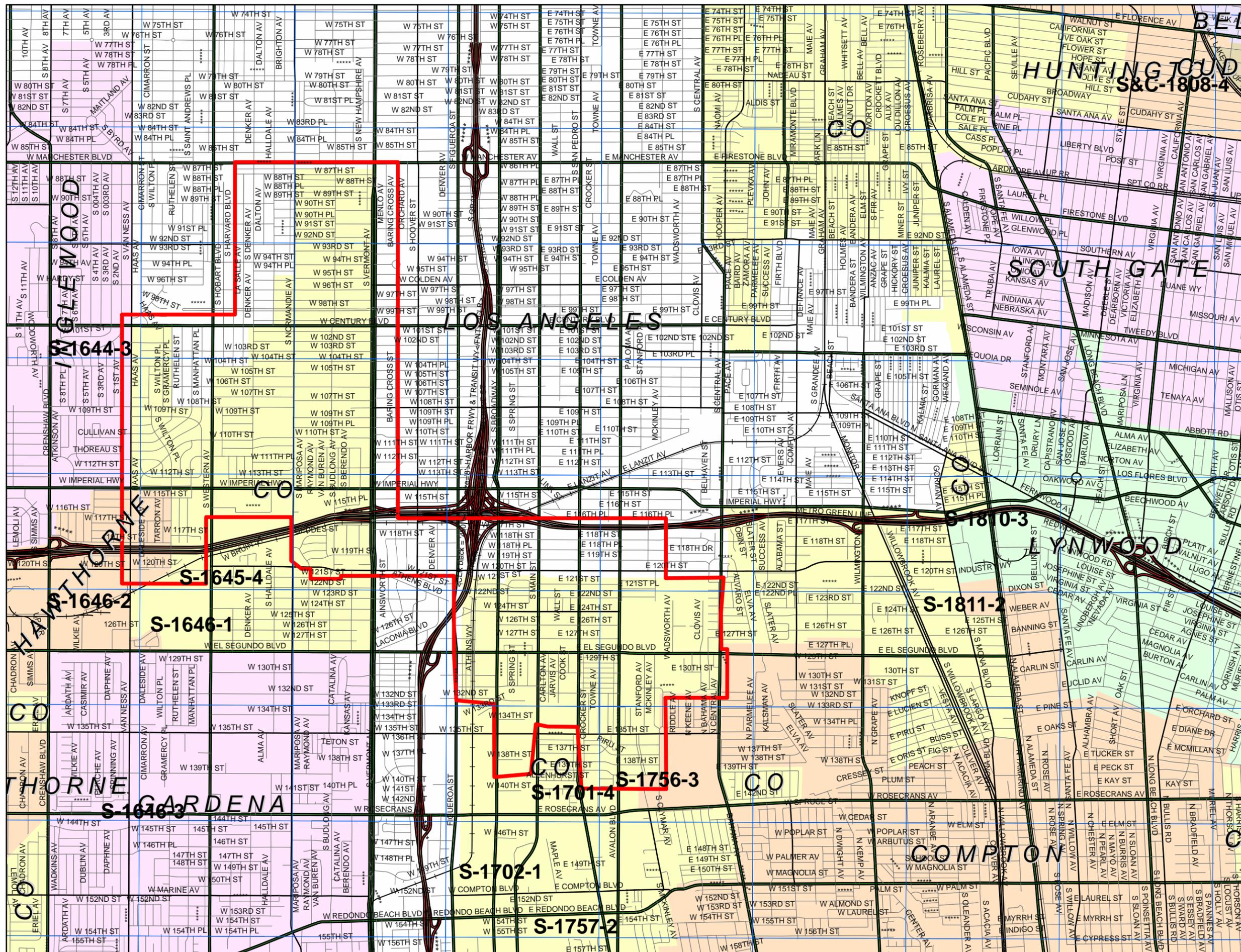
● Non SMD Maintained MH

□ SMD Operations Maps

□ Y0TV0708G

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AUGUST 2009



ENCLOSURE 2:

- Quick Maintenance Rating Report
Priority List
- Quick Maintenance Rating Map

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0708G)
as of 07/28/2008

Item No.	QMR	Start MH	End MH	Street	Observation: Location	Correction Action Taken
1	5431	1756-0106	1756-0107	STANFORD AV	Attached grease ,roots	Rodder (Completed 6/26/09)
2	5227	1701-0179	1701-0180	EASE/CARLTON AV	Attached grease, roots	Hydrojet (Completed 6/8/09)
3	5222	1756-0132	1756-0133	EL SEGUNDO BV	Water level 25% ,attached grease	Rodder (Completed 7/2/09)
4	5141	1756-0074	1756-0075	MCKINLEY AV	Water level 50% ,attached grease , roots	Rodder (Completed 6/25/09)
5	5141	1756-0063	1756-0064	EASE/STANFORD AV	Deposits (attached Grease)	Hydrojet (Completed 6/25/09)
6	5141	1756-0036	1756-0037	EASE/138TH ST	Root Ball : 95'	Hydrojet (Completed 7/22/09)
7	5141	1701-0320	1701-0319	EASE/TOWNE AV	Root Ball :101'	Hydrojet (Completed 7/24/09)
8	5141	1701-0097	1701-0096	124TH ST	Root ball :178'	Rodder (Completed 6/8/09)
9	5141	1701-0089	1701-0088	SAN PEDRO ST	Water level 25% , attached grease	Rodder (Completed 6/8/09)
10	5139	1701-0094	1701-0119	SAN PEDRO ST	Water level 40% ,attached grease , roots	Rodder (Completed 6/8/09)
11	5131	1756-0053	1756-0054	STANFORD AV	Root Ball : 185'	Rodder (Completed 7/2/09)
12	5131	1756-0045	1756-0046	AW/AVALON BL	Water level 20% ,attached grease , roots	Rodder (Completed 7/2/09)
13	512A	1756-0029	1756-0017	EASE/AVALON BL	Water level 40%, attached grease	Hydrojet (Completed 7/2/09)
14	5122	1756-0078	1756-0077	135TH ST	Water level 50% , deposits (attached Grease)	Rodder (Completed 6/26/09)
15	5121	1756-0079	1756-0078	135TH ST	Water level 30% , attached grease	Rodder (Completed 6/26/09)
16	5121	1701-0209	1701-0449	130TH ST	Deposits Attached Grease	Rodder (Completed 6/8/09)
17	5116	1756-0107	1756-0108	STANFORD AV	Deposits (attached Grease) , roots	Rodder (Completed 6/26/09)
18	5113	1756-0103	1756-0102	EASE/STANFORD AV	Water level 20- 80% , roots	Hydrojet (Completed 6/26/09)
19	5112	1756-0076	1756-0174	MCKINLEY AV	Water level 25-75%	Rodder (Completed 6/25/09)
20	5111	1756-0173	1756-0176	SALINAS AV	water level is high	Rodder (Completed 6/26/09)
21	5111	1756-0077	1756-0173	MCKINLEY AV	Water level 20-60%	Rodder (Completed 6/25/09)
22	5100	1756-0667	1756-0103	EASE/STANFORD AV	Water level 25-85%	Hydrojet (Completed 6/26/09)
23	5100	1701-0239	1701-0238	MAIN ST	Water level is high, attached grease	Rodder (Completed 6/26/09)
24	5100	1701-0104	1701-0105	EL SEGUNDO BV	Deposits (attached grease)	Rodder (Completed 6/8/09)
25	5100	1700-0159	1700-0158	IMPERIAL HWY	Construction debris: 256'	Rodder (Completed7/10/09)
26	5100	1700-0158	1700-0159	IMPERIAL HWY	Construction debris 0'	Rodder (Completed7/10/09)
27	4A39	1645-TRNK	1645-0035	IMPERIAL HWY	Water level 25-50%	Rodder (Completed7/17/09)
28	4A2D	1645-0156	1645-0165	EASE/RUTHELENAV	Sag : 50'-139'	Rodder (Completed7/17/09)
29	4636	1756-0160	1756-0161	EASE/121ST PL	Root ball :135'	Hydrojet (Completed 7/21/09)
30	4534	1756-0155	1756-0154	EASE/122ND ST	Roots	Hydrojet (Completed 7/21/09)
31	4532	1645-0290	1645-0289	EASE/113TH ST	Root ball :156'	Hydrojet (Completed 7/21/09)
32	4532	1645-0102	1645-0078	THOREAU ST	Roots	Rodder (Completed7/14/09)

33	4436	1755-0200	1755-0199	EASE/MCKINLEY AV	Root ball : 305'	Hydrojet (Completed 7/22/09)
34	4434	1645-0293	1645-0292	EASE/113TH ST	Roots , sag : 210'-336'	Hydrojet (Completed 7/14/09)
35	4334	1756-0156	1756-0155	EASE/122ND ST	Root ball : 311'	Hydrojet (Completed 7/22/09)
36	4332	1756-0220	1756-0219	CLOVIS AV	Deposits (attached Grease) ,water level is high	Rodder (Completed 6/29/09)
37	4332	1645-0036	1645-0034	HAAS AV	Water level sag 65%, roots	Rodder (Completed 7/17/09)
38	4331	1755-0201	1755-0200	EASE/MCKINLEY AV	Roots	Hydrojet (Completed 7/22/09)
39	4331	1645-0056	1645-0057	EASE/WILTON PL	Roots	Hydrojet (Completed 7/13/09)
40	4322	1756-0188	1756-0190	EL SEGUNDO BV	Roots , deposits (grease)	Rodder (Completed 6/26/09)
41	431N	1756-0140	1756-0141	AVALON BV	Water level 50% ,attached grease, roots	Rodder (Completed 6/29/09)
42	4318	1645-0020	1645-0009	CULLIVAN ST	Roots	Rodder (Completed7/13/09)
43	4238	1700-0219	1700-0221	EASE/VAN BUREN AV	Water level sag 25-50% , obstacle rocks	Hydrojet (Completed 7/17/09)
44	4235	1701-0157	1701-0156	130TH ST	Roots, water level 10-15%	Hydrojet (Completed 7/21/09)
45	4232	1756-0086	1756-0087	EASE/TOWNE AV	Root ball :126'	Hydrojet(Completed 7/22/09)
46	4232	1701-0088	1701-0090	SAN PEDRO ST	Deposits (attached grease), water level 20-50% , roots	Hydrojet (Completed 6/29/09)
47	4232	1645-0076	1645-0070	112TH ST	Water level sag 60%	Hydrojet (Completed 7/13/09)
48	4232	1645-0055	1645-0054	EASE/WILTON PL	Root ball: 272'	Hydrojet (Completed 7/22/09)
49	4231	1701-0318	1701-0319	EASE/TOWNE AV	Roots	Hydrojet (Completed 7/24/09)
50	4231	1645-0294	1645-0307	EASE/DENKER AV	Roots	Hydrojet (NO Access)
51	422F	1699-0173	1699-0174	VERMONT AV	Water level sag 55% , deposits sand	Rodder (Completed7/17/09)
52	4222	1756-0136	1756-0140	AVALON BV	Water level ,attached grease, roots	Rodder (Completed 6/29/09)
53	4221	1645-0029	1645-0020	CULLIVAN ST	Obstacle (external pipe) : 317'	Rodder (Completed7/13/09)
54	4221	1645-0035	1645-TRNK	IMPERIAL HWY	Water level sag 25-55% , deposits (settled gravel)	Rodder (Completed7/17/09)
55	421C	1756-0211	1756-0184	EL SEGUNDO BV	Water level 25 % , roots	Rodder (Completed7/20/09)
56	421C	1756-0183	1756-0187	EL SEGUNDO BV	Water level 20 % , roots	Rodder (Completed7/20/09)
57	4215	1645-0356	1645-0056	EASE/WILTON PL	Root ball: 154'	Rodder (Completed7/13/09)
58	413J	1701-0236	1701-0234	EASE/134TH ST	Water level sag 55% , deposits (attached Other)113'-305'	Hydrojet (Completed 6/8/09)
59	4139	1756-0096	1756-0095	AE/TOWNE AV	Roots	Rodder (Completed7/24/09)
60	4135	1756-0164	1756-0165	MC KINLEY AV	Roots , water level 30%	Hydrojet (Completed 6/26/09)
61	4135	1700-0025	1700-0026	121ST ST	Roots, attached grease ,water level 20-25%	Hydrojet (Completed 7/17/09)
62	4134	1756-0158	1755-0202	MC KINLEY AV	Root ball :196' , sag :180'-264' (20-35%)	Hydrojet (Completed 6/26/09)
63	4134	1701-0158	1701-0157	COOK ST	Root ball : 60'	Hydrojet (Completed 7/21/09)
64	4133	1756-0146	1756-0147	124TH ST	Roots	Hydrojet (Completed 7/20/09)
65	4133	1756-0064	1756-0073	EASE/MCKINLEY AV	Roots, deposits (grease)	Hydrojet (Completed 6/25/09)
66	4133	1700-0139	1700-0171	IMPERIAL HWY	Water level is high , attached grease	Hydrojet (Completed 7/16/09)
67	4133	1645-0170	1645-0169	ST ANDREWS	Roots	Hydrojet (Completed 7/13/09)
68	4132	1756-0159	1756-0160	EASE/MCKINLEY AV	Root ball :152'	Hydrojet (Completed 7/22/09)
69	4132	1756-0158	1756-0159	EASE/MCKINLEY AV	Root ball : 229'	Hydrojet (Completed 7/22/09)
70	4132	1756-0040	1756-0037	EASE/AVALON BV	Water level is 50% , roots	Hydrojet (Completed 7/20/09)
71	4132	1755-0202	1755-0201	EASE/MCKINLEY AV	There is a piece of wood hanging inside MH 1755-201	Hydrojet (Completed 7/22/09)
72	4132	1701-0333	1701-0334	EASE/PIRU ST	Water level is high, camera is not clear	Hydrojet (Completed 7/24/09)

73	4132	1701-0141	1701-0142	AW/SANPEDRO ST	Roots	Hydrojet (Completed 7/15/09)
74	4132	1645-0104	1645-0103	THOREAU ST	Roots	Hydrojet (Completed 7/13/09)
75	4132	1645-0094	1645-0093	MANHATTAN PL	Root ball : 52'	Hydrojet (Completed 7/13/09)
76	4131	1756-0206	1756-0207	131ST ST	Roots ball :110'	Hydrojet (Completed 7/20/09)
77	4131	1756-0072	1756-0073	MCKINLEY AV	Water level is 50%, roots	Hydrojet (Completed 6/25/09)
78	4131	1701-0148	1756-0125	AE/TOWNE AV	Water level is high , camera is not clear	Hydrojet (Completed 7/20/09)
79	4131	1701-0135	1701-0134	124TH ST	Roots , deposits (greases)	Hydrojet (Completed 6/29/09)
80	4131	1701-0110	1701-0109	SAN PEDRO ST	Deposits (attached grease)	Hydrojet (Completed 6/29/09)
81	4131	1700-0163	1700-0164	IMPERIAL HWY	Water level sag 60% , camera underwater :97'	Hydrojet (Completed 7/16/09)
82	4131	1700-0024	1700-0025	121ST ST	Roots ball :181', attached (grease),water level 20-25%	Hydrojet (Completed 7/17/09)
83	4131	1699-0210	1699-0132	VERMONT AV	Root ball : 85'	Hydrojet (Completed 7/16/09)
84	4131	1645-0170	1645-0171	ST ANDREWS	Roots	Hydrojet (Completed 7/13/09)
85	4131	1645-0126	1645-TRNK	AW/WESTERN AV	Roots, deposits (greases)	Hydrojet (Completed 6/28/09)
86	4131	1645-0090	1645-0089	MANHATTAN PL	Roots ball : 82'	Hydrojet (Completed 7/13/09)
87	4131	1645-0061	1645-0060	IMPERIAL HWY	Roots	Hydrojet (Completed 7/13/09)
88	4131	1645-0051	1645-0052	WILTON PL	Water level 10-20% , roots	Hydrojet (Completed 7/13/09)
89	4131	1645-0025	1645-0015	107TH ST	Roots ball : 9'	Hydrojet (Completed 7/13/09)
90	4131	1645-0024	1645-0043	104TH ST	Roots	Hydrojet (Completed 7/13/09)
91	4131	1645-0018	1645-0027	109TH ST	Roots ball : 58'	Hydrojet (Completed 7/13/09)
92	412J	1756-0075	1756-0076	MCKINLEY AV	Water level 50-65% ,attached (grease) , roots	Rodder (Completed 6/25/09)
93	412J	1645-0278	1645-0133	IMPERIAL HWY	Water level sag 25% , deposits (attached grease)	Rodder (Completed 6/29/09)
94	412I	1699-0174	1699-0175	VERMONT AV	Water level sag 30%	Hydrojet (Completed 7/16/09)
95	412G	1700-0045	1700-0044	VERMONT AV	Water level sag 25%	Rodder (Completed7/17/09)
96	412G	1699-0175	1699-0211	VERMONT AV	Water level sag 25-55%	Rodder (Completed7/16/09)
97	412F	1700-0300	1700-0194	BUDLONG AV	Water level sag 25-50%	Rodder (Completed7/17/09)
98	412E	1756-0063	1756-0062	EASE/STANFORD AV	Water level ,attached (grease) , Roots	Rodder (Completed 6/25/09)
99	412C	1699-0204	1699-0205	VERMONT AV	Water level sag 30%	Rodder (Completed7/17/09)
100	412B	1756-0080	1756-0079	135TH ST	Water level 60% ,attached (grease) , roots	Rodder (Completed 6/26/09)
101	4127	1645-0011	1645-0024	104TH ST	Roots ball 216' , attached (grease) ,roots	Hydrojet (Completed 7/14/09)
102	4126	1700-0220	1700-0219	117TH ST	Water level sag is 50%	Hydrojet (Completed 7/17/09)
103	4125	1700-0069	1700-0068	VERMONT AV	Water level sag is25- 50%	Hydrojet (Completed 7/17/09)
104	4122	1645-0307	1645-0308	EASE/DENKER AV	Roots	Hydrojet (NO Access)
105	4122	1645-0027	1645-0018	109TH ST	Roots ball : 198'	Hydrojet (Completed 7/13/09)
106	4121	1756-0042	1756-0041	AVALON BV	Water level ,attached (grease) , roots fine	Hydrojet (Completed 7/20/09)
107	4121	1701-0209	1701-0210	AN/126TH ST	Water level is high , obstacle other :142'-146'	Hydrojet (Completed 7/15/09)
108	4121	1701-0091	1701-0092	SAN PEDRO ST	Water level is high 20-50% , attached (grease)	Hydrojet (Completed 6/29/09)
109	4121	1701-0034	1701-0033	AS/130TH ST	Infiltration runner	No action needed
110	4121	1699-0080	1699-0081	AW/BUDLONG AV	Roots bball :189' , roots	Hydrojet (Completed 7/17/09)
111	412J	1756-0075	1756-0076	MCKINLEY AV	Water level 50-65% ,attached (grease) , roots	Rodder (Completed 6/25/09)
112	412J	1645-0278	1645-0133	IMPERIAL HWY	Water level sag 25% , deposits (attached grease)	Rodder (Completed 6/29/09)

113	412I	1699-0174	1699-0175	VERMONT AV	Water level sag 30%	Hydrojet (Completed 7/16/09)
114	412G	1700-0045	1700-0044	VERMONT AV	Water level sag 25%	Rodder (Completed 7/17/09)
115	412G	1699-0175	1699-0211	VERMONT AV	Water level sag 25-55%	Rodder (Completed 7/16/09)
116	412F	1700-0300	1700-0194	BUDLONG AV	Water level sag 25-50%	Rodder (Completed 7/17/09)
117	412E	1756-0063	1756-0062	EASE/STANFORD AV	Water level ,attached (grease) , Roots	Rodder (Completed 6/25/09)
118	412C	1699-0204	1699-0205	VERMONT AV	Water level sag 30%	Rodder (Completed 7/17/09)
119	412B	1756-0080	1756-0079	135TH ST	Water level 60% ,attached (grease) , roots	Rodder (Completed 6/26/09)
120	412B	1756-0069	1756-0070	EASE/STANFORD AV	Water level sag 25-50% , deposits (attached grease)	Rodder (Completed 7/2/09)
121	412A	1700-0046	1700-0045	VERMONT AV	Water level sag 30-50%	Rodder (Completed 7/17/09)
122	4118	1701-0331	1701-0332	EASE/138TH ST	Roots	Hydrojet (NO Access)
123	4118	1645-0110	1645-0111	RUTHELEN AV	Roots ball : 5'	Hydrojet (Completed 7/14/09)
124	4117	1756-0207	1756-0206	131ST ST	Roots ball : 241'	Hydrojet (Completed 7/20/09)
125	4116	1701-0104	1701-0120	EL SEGUNDO BV	Water level 25-50% , roots	Hydrojet (Completed 7/15/09)
126	4116	1645-0085	1645-0081	109TH ST	Roots	Hydrojet (Completed 7/14/09)
127	4115	1645-0059	1645-0058	IMPERIAL HWY	Roots	Hydrojet (Completed 7/14/09)
128	4114	1756-0174	1756-0175	SALINAS AV	Water level is high 50-70% , attached (grease)	Hydrojet (Completed 6/26/09)
129	4114	1645-0058	1645-0035	IMPERIAL HWY	Water level , roots	Hydrojet (Completed 7/14/09)
130	4113	1645-0057	1645-0052	108TH ST	Roots	Hydrojet (Completed 7/14/09)
131	4112	1701-0025	1701-0103	EL SEGUNDO BV	Water level sag is 20- 50%	Hydrojet (Completed 7/15/09)
132	4112	1645-0144	1645-0145	WILTON PL	Sag : 90'-110', 140'-165', 178'-265', Roots	Hydrojet (Completed 7/14/09)
133	4112	1645-0101	1645-0076	112TH ST	Roots	Hydrojet (Completed 7/14/09)
134	4111	1756-0151	1755-0194	AVALON BV	Water level is high 50%, obstacle :135'	Hydrojet (Completed 7/21/09)
135	4111	1756-0067	1756-0066	AE/AVALON BV	Water level is high 50% , attached (grease)	Hydrojet (Completed 7/14/09)
136	4111	1701-0237	1701-0236	EASE/MAIN ST	Water level is high 50%	Hydrojet (Completed 6/26/09)
137	4100	1701-0247	1701-0248	BROADWAY	Water level is high 25%	Hydrojet (Completed 7/15/09)
138	4100	1701-0246	1701-0247	BROADWAY	Water level is high 20-60%	Hydrojet (Completed 7/15/09)
139	4100	1701-0245	1701-0246	BROADWAY	Water mark 70%	No action needed
140	4100	1701-0244	1701-0245	BROADWAY	Water level is high 20-60%	Hydrojet (Completed 7/15/09)
141	4100	1701-0225	1701-0226	BROADWAY	Water level is high 20-50%	Hydrojet (Completed 7/15/09)
142	4100	1701-0204	1701-0203	AW/BROADWAY	Water mark 50%	No action needed
143	4100	1701-0109	1701-0110	SAN PEDRO ST	Water level is high 50% , obstacle (Other) :9'	Hydrojet (Completed 7/15/09)
144	4100	1701-0093	1701-0094	SAN PEDRO ST	Water level is high , camera is not clear : 131'-174'	Hydrojet (Completed 7/15/09)
145	4100	1645-0243	1645-0374	AE/WESTERN AV	Water level is high	Hydrojet (Completed 7/17/09)
146	4100	1645-0086	1645-0085	109TH ST	Roots ball : 207'	Hydrojet (Completed 6/29/09)
147	3A21	1700-0212	1700-0255	BUDLONG AV	Attached grease	Hydrojet (Completed 9/23/09)
148	2300	1645-TRNK	1645-0097	109TH ST	Attached deposits	Hydrojet (Completed 10/22/09)
149	2212	1701-0055	1701-0054	BROADWAY	Cockroaches/debris at MH0054	Hydrojet (Completed 9/29/09)
150	1900	1645-0060	1645-0059	IMPERIAL HWY	Tap roots :215'	Hydrojet (Completed 10/22/09)

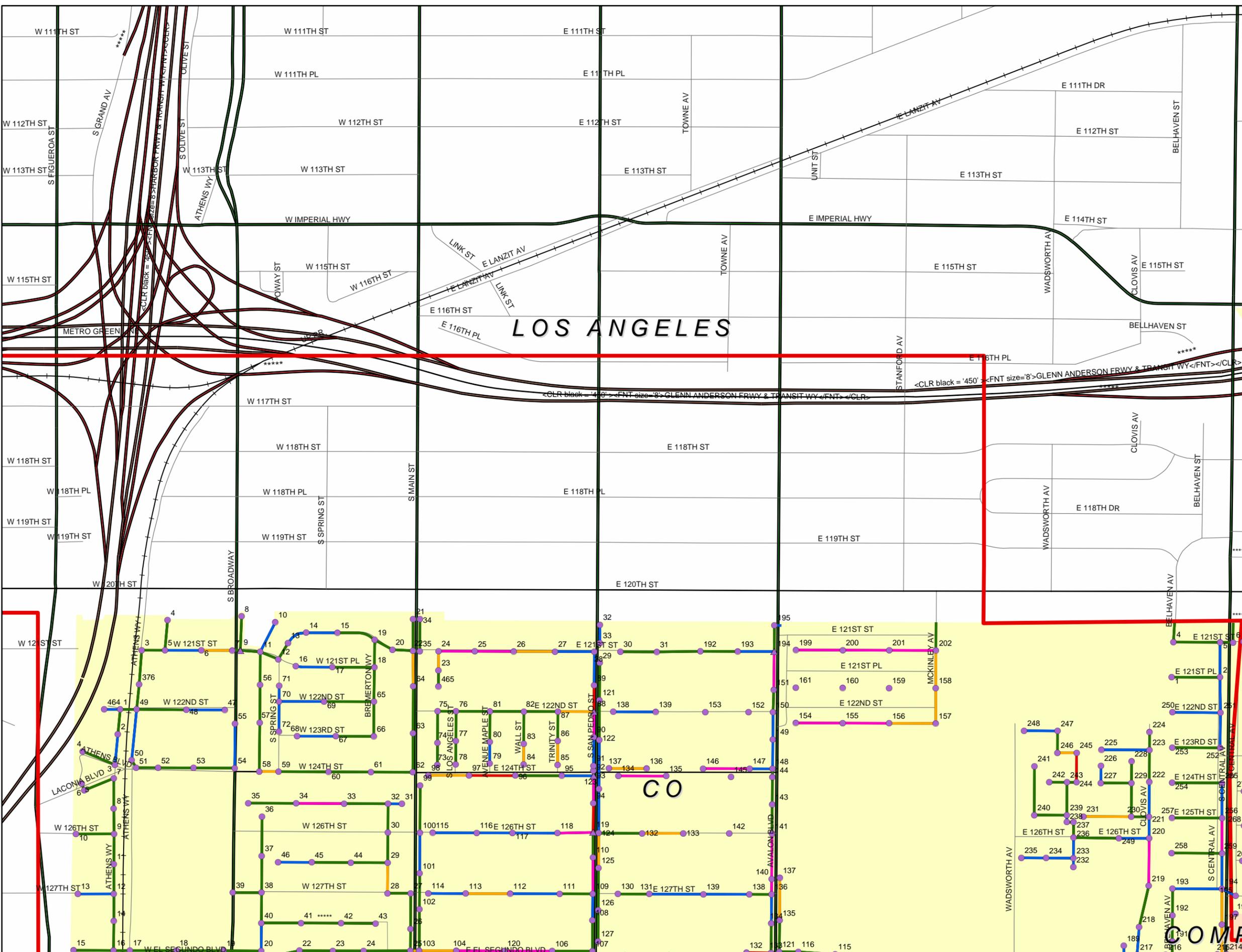
ENCLOSURE 2

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

QUICK MAINTENANCE RATING (QMR)



Legend

SMD sanitary Sewers

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

SMD Manholes

- Other
- Manhole Type
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Satations

Maintained by Others:

- Trunk Sewerlines
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0708G

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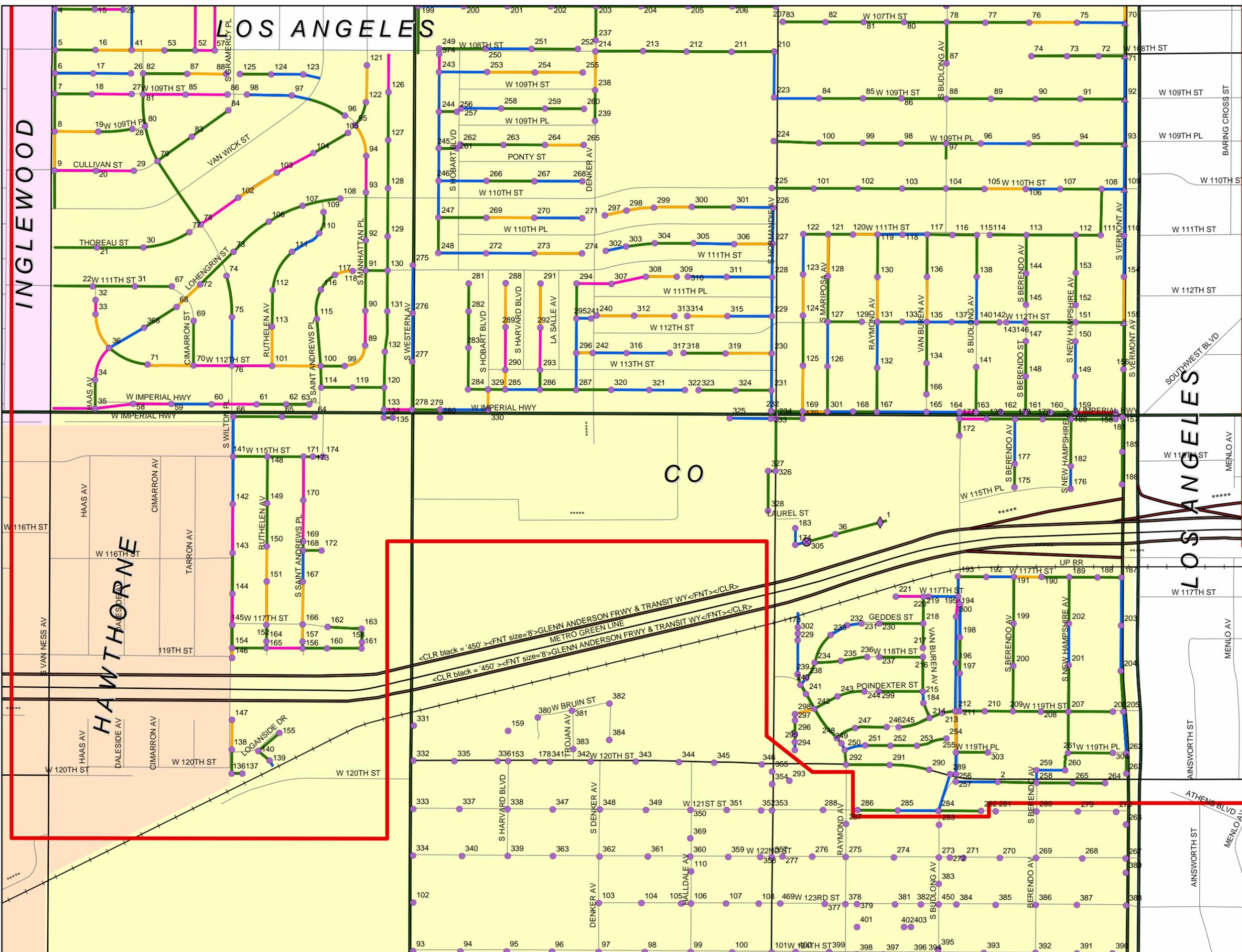
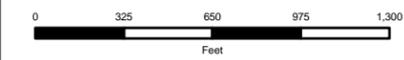
ENCLOSURE 2

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

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 (Red 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 Satations (Red square with P)

Maintained by Others:

- Trunk Sewerlines (Thick green line)
- SMD Treatment Plants (WTP icon)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Light blue circle)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- Y0TV0708G (Red outline)

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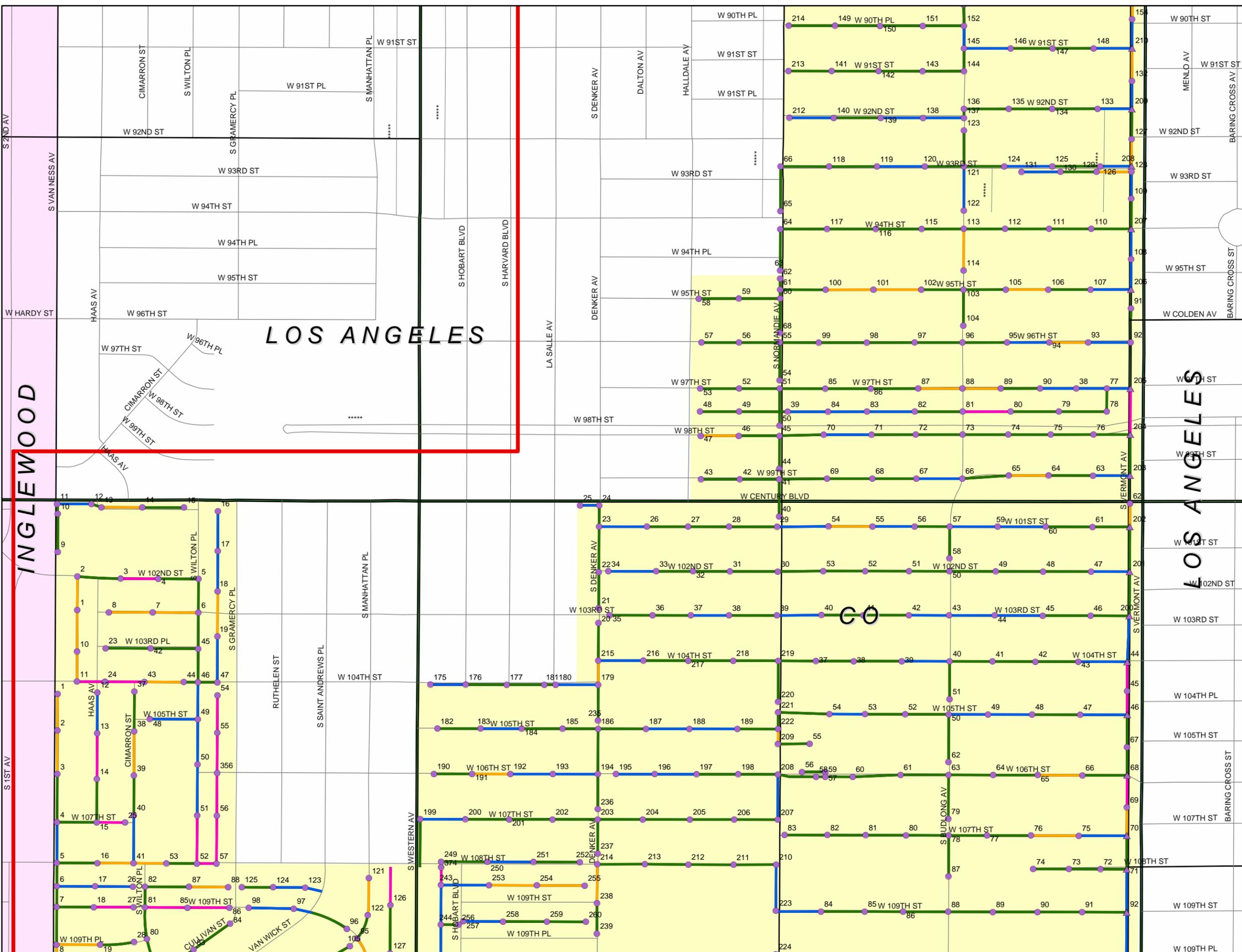
ENCLOSURE 2

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

QUICK MAINTENANCE RATING (QMR)



Legend

SMD sanitary Sewers

- QMR**
- 1: EXCELLENT
 - 2: GOOD
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SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Satations

Maintained by Others:

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- Y0TV0708G

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AUGUST 2009

ENCLOSURE 2

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

QUICK MAINTENANCE RATING (QMR)



Legend

SMD sanitary Sewers

QMR

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

SMD Manholes

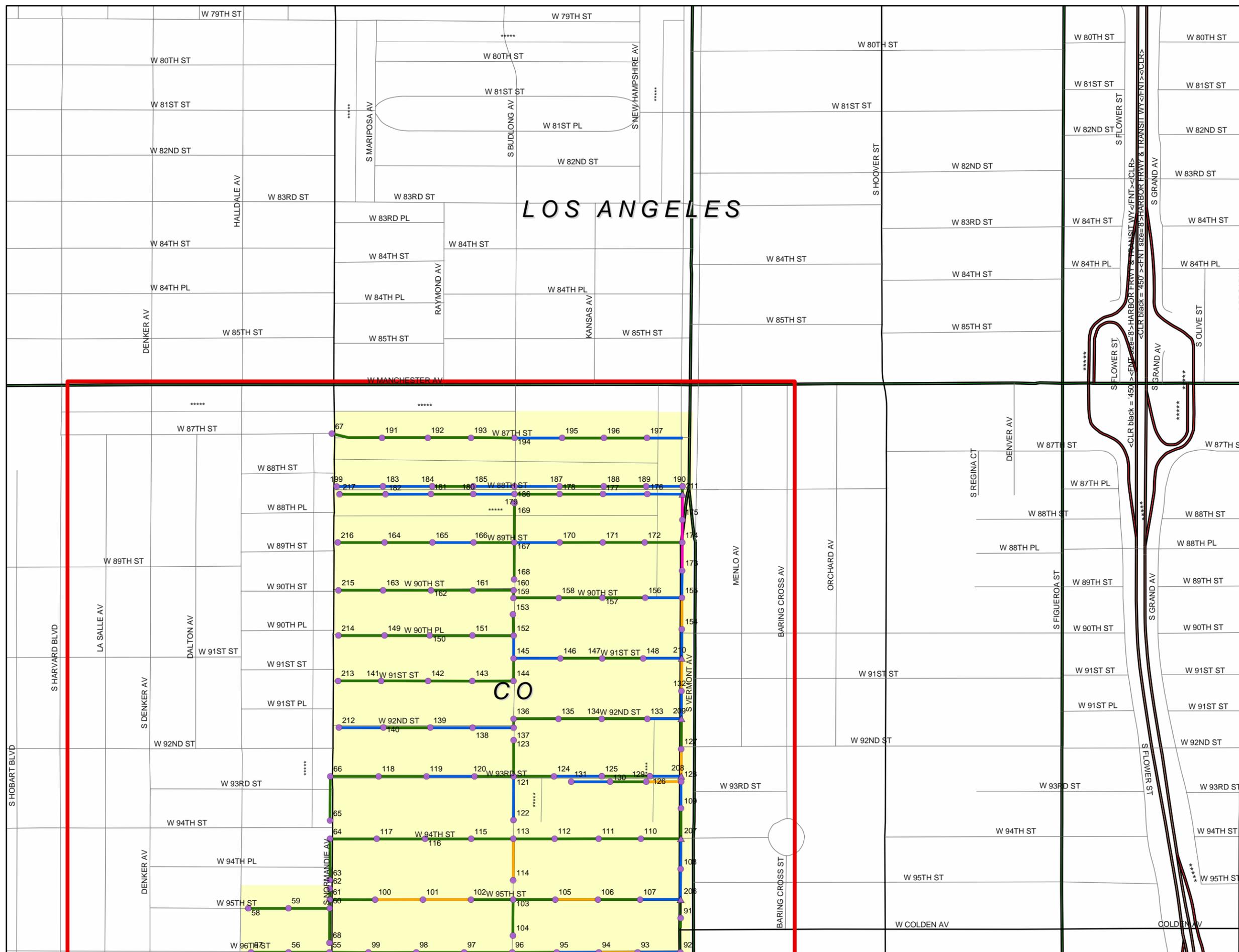
- Other (Circle with dot)
- Manhole Type
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)
 - SMD Pump Satations (Red square with 'P')

Maintained by Others:

- Trunk Sewerlines (Thick green line)
- SMD Treatment Plants (WTP icon)
- Non SMD Sanitary Sewers (Dashed green line)
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- SMD Operations Maps (Blue outline)
- Y0TV0708G (Red outline)

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AUGUST 2009



LOS ANGELES

CO

ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0708G)
as of 07/28/2008

Item No.	QSR	Start MH	End MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5224	1756-0115	1756-0114	EL SEGUNDO BV	Hole with soil visible: 1', 130'; fractures and cracks throughout	Lining: MH to MH	280
2	5222	1701-0034	1701-0033	ALLEY BY S BROADWAY	Hole with void visible: 150'	Point Repair	
3	5222	1701-0150	1756-0126	ALLEY BY TOWNE AV	Hole with void visible, broken: 152'; fractures and cracks	Lining: MH to MH	325
4	5215	1756-0194	1756-0195	CENTRAL AV	Hole with soil visible: 14'; cracks	Lining: MH to MH	130
5	5143	1699-0129	1699-0128	93RD ST	Broken, deformed: 134': Hole at base of MH 128	Point Repair; CSMD to repair base of MH 128	
6	5142	1645-0296	1645-0295	ALLEY BY DENKER AV	Hole with void visible: 252'	Point Repair	
7	5141	1645-0231	1645-0232	NORMANDIE AV	Hole with concrete visible: 15', 82'	Structural integrity in tact. No action needed.	
8	5141	1700-0238	1700-0240	GEDDES ST	Broken: 65', cracks at multiple locations	Lining: MH to MH	114
9	5133	1645-0226	1645-0227	NORMANDIE AV	Hole with soil visible: 269'	Lining: MH to MH	272
10	5135	1644-0012	1644-0011	CENTURY BV	Broken: 152'	Lining: MH to MH	251
11	5133	1645-0251	1645-0250	108TH ST	Broken: 160'	Point Repair	
12	5133	1645-0241	1645-0295	EASE BY DENKER AV	Broken with void visible; deformed: 115'	Point Repair	
13	5137	1700-0232	1700-0233	GEDDES ST	Broken: 32': cracks	Lining: MH to MH	179
14	5132	1700-0195	1700-0194	BUDLONG AV	Broken: 3'; cracks	Lining: MH to MH	13
15	5132	1700-0173	1700-TRNK	AE/ NORMANDIE AV	Broken with void visible: 41'- 46'; cracks	Lining: MH to MH	106
16	5131	1645-0229	1645-0230	NORMANDIE AV	Broken: 267'	Structural integrity in tact. No action needed.	
17	512A	1701-0055	1701-0054	BROADWAY	Broken: 161'; fractures and cracks at multiple locations	Lining: MH to MH	318
18	5124	1756-0067	1756-0068	EASE BY139TH ST	Collapsed (capped?) pipe near MH 68 (terminal): 244'	South Yard to investigate	
19	5124	1701-0151	1701-0152	ALLEY BY TOWNE AV	Broken 94'; fractures and cracks	Lining: MH to MH	350
20	5122	1701-0118	1701-0119	126TH ST	Broken: 334'; 15 feet of concrete pipe to MH 119'	Lining: MH to MH	351
21	5122	1701-0175	1701-0176	CARLTON AV	Hole with void visible: 224'	Point Repair	
22	5122	1756-0180	1756-0179	EASE BY E 130TH ST	Collapsed pipe: 270'	South Yard to investigate	
23	5122	1756-0126	1756-0127	ALLEY BY TOWNE AV	Broken: 113'; cracks	Lining: MH to MH	319
24	5121	1756-0193	1756-0194	127TH ST	Hole with soil visible: 205'; fractures: 127'; cracks at multiple locations	Lining: MH to MH	346
25	5121	1756-0149	1756-0150	AVALON BV	Broken with soil visible: 141'	Structural integrity in tact. No action needed.	

Item No.	QSR	Start MH	End MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
26	5112	1645-TRNK	1645-0035	IMPERIAL HWY	Broken: base of MH TRNK	Structural integrity in tact. No action needed.	
27	5118	1701-0327	1701-0328	EASE BY139TH ST	Hole with soil visible: 63'; cracks at multiple locations	Structural integrity in tact. No action needed.	
28	5115	1756-0187	1756-0186	EASE BY E ELSEGUNDO BL	Hole with soil visible: 201'; cracks at multiple locations	Lining: MH to MH	250
29	5111	1756-0045	1756-0044	ALLEY BY135TH ST	Hole with concrete patch visible: 7'	Structural integrity in tact. No action needed.	
30	5111	1701-0316	1701-0317	135TH ST	Hole with concrete patch visible: 35'	Structural integrity in tact. No action needed.	
31	5100	1756-0139	1701-0131	127TH ST	Hole with soil visible: 9'	Structural integrity in tact. No action needed.	
32	5100	1700-0054	1700-0053	105TH ST	Broken at base of MH 1700-0053	CSMD will repair base of MH 1700-0053	
33	5100	1700-0143	1700-0146	112TH ST	Broken at base of MH 1700-0146	CSMD will repair base of MH 1700-0146	
34	5100	1700-0251	1700-0250	ALLEY BY RAYMOND AV	Hole with soil visible: 29'	Structural integrity in tact. No action needed.	
35	5100	1645-0004	1645-0005	VAN NESS AV	Hole with void visible: 236'	Point Repair	
36	5100	1645-TRNK	1645-0097	109TH ST	Broken with concrete/clay pipe patch visible: 13'	Structural integrity in tact. No action needed.	
37	4233	1645-0090	1645-0089	MANHATTAN PL	Fractures: 190', 228'; cracks	Lining: MH to MH	300
38	413P	1700-0239	1700-0229	AE/ NORMANDIE AV	Broken: 222'; fractures and cracks throughout	Lining: MH to MH	300
39	4139	1645-0075	1645-0076	WILTON PL	Multiple fractures: 325'; fractures and cracks throughout	Lining: MH to MH	349
40	4135	1645-0060	1645-0059	IMPERIAL HWY	Fractures: 270'; cracks at multiple locations	Lining: MH to MH	298
41	4134	1644-0017	1644-0018	AE/ WILTON PL	Fractures: 153'; cracks at multiple locations	Structural integrity in tact. No action needed.	
42	4131	1701-0113	1701-0112	127TH ST	Fractures: 30'; cracks	Structural integrity in tact. No action needed.	
43	4131	1644-0018	1644-0019	AE/ WILTON PL	Fractures: 275'; cracks	Structural integrity in tact. No action needed.	
44	4131	1645-0113	1645-0101	RUTHELEN AV	Fractures: 87'; cracks	Lining: MH to MH	298
45	4131	1645-0141	1645-0142	WILTON PL	Fractures: 331'	Structural integrity in tact. No action needed.	
46	4122	1701-0114	1701-0113	127TH ST	Fractures: 232'; cracks	Lining: MH to MH	352
47	4121	1645-0017	1645-0006	AN/ 109TH ST	Fractures: 2', 246'	Lining: MH to MH	248
48	4100	1699-0057	1699-0059	101ST ST	Broken at the base of MH 1699-0059	CSMD to repair base of MH 1699-0059	
49	4100	1645-0188	1645-0189	105TH ST	Broken at the base of MH 1645-0189	CSMD to repair base of MH 1645-0189	
50	4100	1645-0207	1645-0208	NORMANDIE AV	Broken at the base of MH 1645-0208	CSMD to repair base of MH 1645-0208	
51	4100	1700-0212	1700-0255	BUDLONG AV	Fracture: 56'	Structural integrity in tact. No action needed.	
52	4100	1645-0049	1645-0048	107TH ST	Fractures near terminal manhole: 316'	Structural integrity in tact. No action needed.	

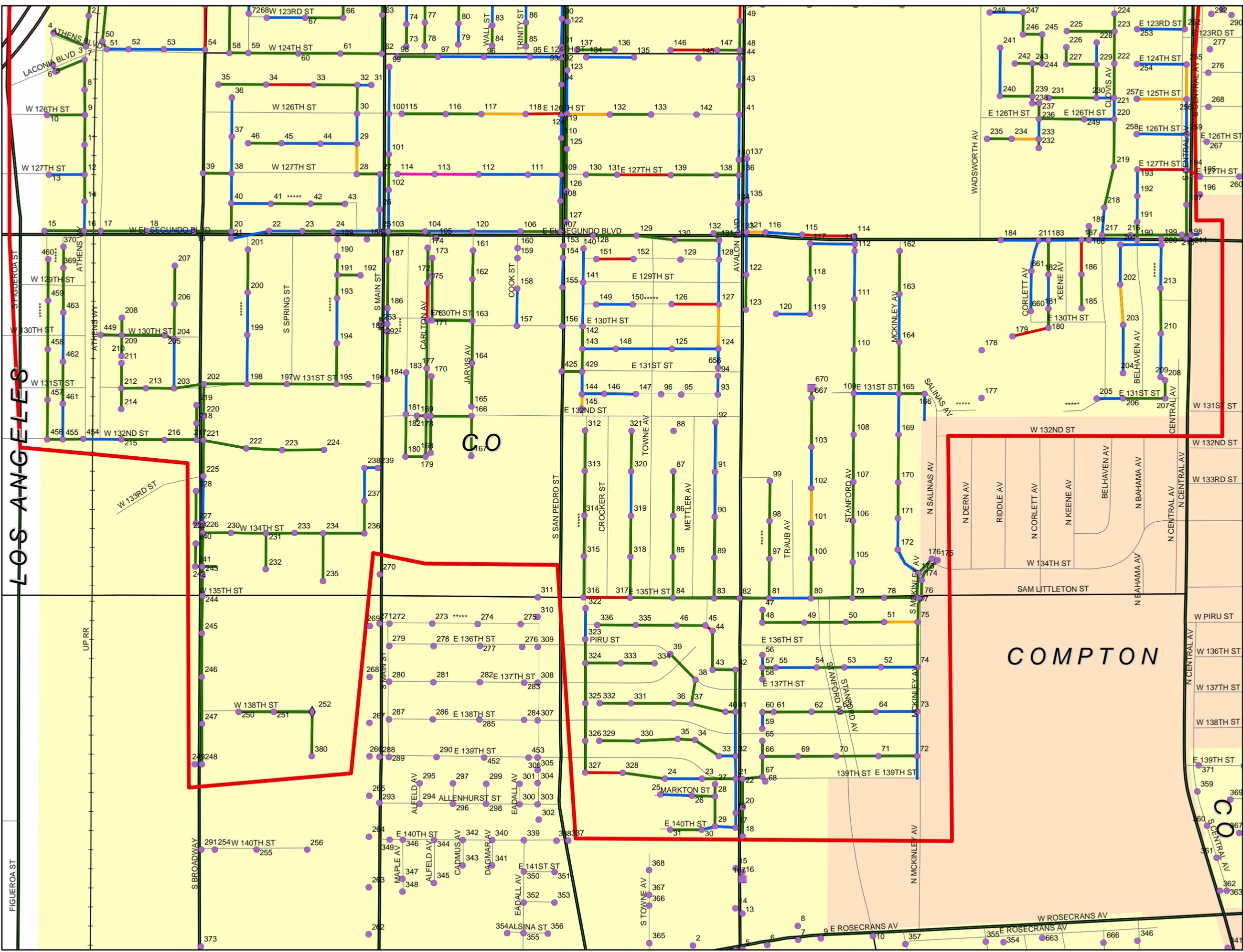
ENCLOSURE 3

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

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 Satations

Maintained by Others:

- Trunk Sewerlines
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0708G

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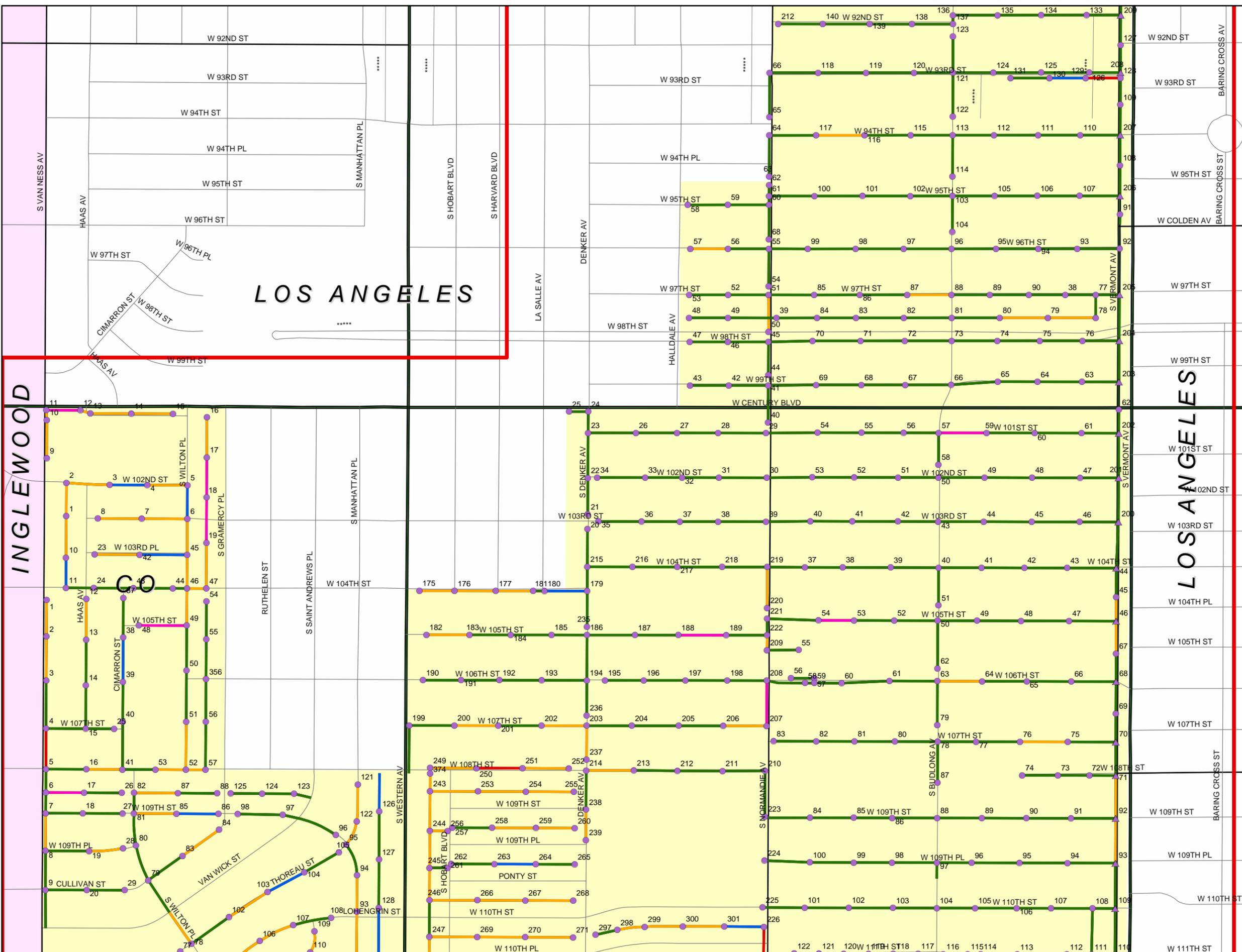
ENCLOSURE 3

CCTV PROJECT

Y0TV0708G

Supervisorial District 5
Unincorporated County

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 Satations
- Maintained by Others:**
- Trunk Sewerlines
 - SMD Treatment Plants
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 - Trunk Mh
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 - SMD Operations Maps
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AUGUST 2009

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20080519	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 1	PSR: 68609
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/19/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: BROADWAY	Flow Control: Not Controlled	Start MH: 1701-0055
City: ZLAS	Year Renewed	End MH: 1701-0054
Location Code: Light Highway	Tape/Media #: M313-001	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: 0054/1701-0055/1701	Lining Method:
	Category:

Remark::

1:297	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0055	00:00:57	1	
	0.00	Vermin Cockroach, within 8 inch: NO	00:01:09	2	M 1
	3.50	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:01:53	3, b	S 1
	4.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:27	5	
	7.20	Water Level, 5 %, within 8 inch: NO	00:03:43	6	M 2
	10.90	Fracture Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:04:23	7, b	S 2
	32.80	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:05:52	9, b	S 2
	38.60	Water Mark, 20 %, within 8 inch: NO	00:06:27	11	M 2
	42.50	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:06:47	12, b	S 1
	45.50	Crack Circumferential, from 7 to 8 o'clock, within 8 inch: YES	00:07:25	14, b	S 1
	51.60	Crack Circumferential, from 1 to 8 o'clock, within 8 inch: YES	00:08:19	16, b	S 1
	52.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:52	18	
	60.50	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:09:28	19, b	S 2
	66.70	Crack Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:10:23	21, b	S 1
	69.60	Crack Circumferential, from 3 to 8 o'clock, within 8 inch: YES	00:11:14	23, b	S 1
	85.40	Crack Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:12:18	25, b	S 1
	88.30	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:12:49	27, b	S 2
	91.70	Crack Circumferential, from 11 to 8 o'clock, within 8 inch: YES	00:13:45	29, b	S 1
	92.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:23	31	
	115.30	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:15:33	32, b	S 2
	115.30	Fracture Circumferential, from 11 to 1 o'clock, within 8 inch: YES	00:15:55	34, b	S 2
	118.40	Crack Circumferential, from 3 to 8 o'clock, within 8 inch: YES	00:16:32	36, b	S 1
	130.90	Crack Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:17:35	38, b	S 1
	132.10	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: cracks in lateral	00:18:34	40	M 2



Inspection report

Date: 20080519	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 1	PSR: 68609
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/19/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

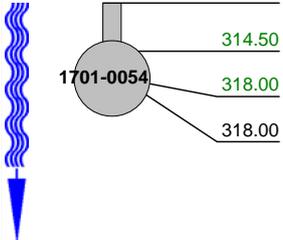
1:297	position	observation	MPEG	photo	grade
	<u>142.80</u>	Crack Circumferential, from 9 to 2 o'clock, within 8 inch: YES	00:19:27	41, b	S 1
	<u>152.20</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:20:08	43, b	S 2
	<u>158.10</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:21:08	45, b	S 2
	<u>161.40</u>	Hole Soil Visible, from 3 to 5 o'clock, within 8 inch: YES	00:21:54	47, b	S 5
	<u>161.40</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:22:22	49	S 1
	<u>164.50</u>	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:22:53	50, b	S 1
	<u>167.80</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:23:26	52, b	S 1
	<u>174.00</u>	Crack Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:24:13	54, b	S 1
	<u>178.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:48	56	
	<u>182.70</u>	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:25:11	57, b	S 1
	<u>222.90</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:26:56	59, b	S 1
	<u>233.10</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:28:27	61	
	<u>253.10</u>	Fracture Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:29:27	62, b	S 2
	<u>259.60</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:30:16	65, b	S 2
	<u>265.80</u>	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:31:12	67, b	S 1
	<u>284.90</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:32:22	69	
	<u>286.60</u>	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:32:45	70, b	S 2
	<u>295.90</u>	Crack Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:33:36	72, b	S 1
	<u>298.90</u>	Crack Circumferential, from 1 to 2 o'clock, within 8 inch: YES	00:34:15	74, b	S 1
	<u>299.70</u>	Water Level, 10 %, within 8 inch: NO	00:34:41	76	M 2



Inspection report

Date: 20080519	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 1	PSR: 68609
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/19/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:297	position	observation	MPEG	photo	grade
	<u>308.30</u>	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:35:08	77, b	S 1
	<u>314.50</u>	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:35:49	79, b	S 1
	<u>318.00</u>	Vermin Cockroach, within 8 inch: NO	00:36:50	81	M 1
	<u>318.00</u>	Manhole, within 8 inch: NO, Remarks: 1701-0054	00:37:00	82	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
512A	2412	49	10	59	1.44	1.67	1.48



Inspection report

Date: 20080523	P.O.#: Y0TV0708G	Weather: Light Rain	Surveyed By: Martin Garcia	section number: 79	PSR: 68590
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/22/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1701-0034
City: ZLAS	Year Renewed	End MH: 1701-0033
Location Code: Alley	Tape/Media #: M313-005	pipe length: 351 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0033/1701-0034/1701	Lining Method:
	Category:

Remark::

1:528	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0034	00:00:31	1562	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:01	1563	M 2
	8.80	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:01:29	1564, b	S 1
	9.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:08	1566	
	15.40	Fracture Circumferential, from 10 to 2 o'clock, within 8 inch: NO	00:02:54	1567, b	S 2
	39.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:23	1570	
	53.60	Crack Circumferential, from 2 to 9 o'clock, within 8 inch: YES	00:05:11	1571, b	S 1
	57.80	Crack Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:06:14	1573, b	S 1
	58.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:51	1575	
	60.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:13	1576, b	S 1
	77.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:09	1578	
	83.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:08:37	1579, b	S 1
	109.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:51	1581	
	114.00	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:10:15	1582, b	S 1
	150.60	Hole Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:11:58	1584, b	S 5
	150.60	Fracture Circumferential, from 6 to 1 o'clock, within 8 inch: YES	00:12:27	1586, b	S 2
	150.60	Broken, from 7 to 11 o'clock, within 8 inch: YES	00:12:48	1589	S 5
	152.10	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:13:19	1590	M 2
	152.10	Infil Runner, at 9 o'clock, within 8 inch: NO	00:13:40	1591	M 4
	154.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:16	1592	
	173.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:01	1593	
	179.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:30	1594	
	233.90	Crack Circumferential, from 7 to 2 o'clock, within 8 inch: YES	00:17:32	1595, b	S 1
	234.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:05	1597	



Inspection report

Date: 20080523	P.O.#: Y0TV0708G	Weather: Light Rain	Surveyed By: Martin Garcia	section number: 79	PSR: 68590
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/22/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:528	position	observation	MPEG	photo	grade
	250.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:47	1598	
	280.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:02	1599	
	286.30	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:20:33	1600, b	S 1
	287.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:04	1602	
	333.60	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:22:44		S 1
	334.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:33	1605	
	336.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:23:58	1606, b	S 1
	341.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:45	1608	
	351.00	General Observation, within 8 inch: NO, Remarks: pipe material vitrified c	00:25:47	1609	
	351.00	Manhole, within 8 inch: NO, Remarks: 1701-0033	00:25:57	1610	



Inspection report

Date: 20080528	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 98	PSR: 68547
Total Pipe Length: 261.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: 126TH ST	Flow Control: Not Controlled	Start MH: 1701-0118
City: ZLAS	Year Renewed	End MH: 1701-0119
Location Code: Light Highway	Tape/Media #: M313-007	pipe length: 351.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0118/1701-0119/1701	Lining Method:
	Category:

Remark::

1:363	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0118	00:00:26	2071	
	4.50	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:01:15	2072, b	S 1
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:55	2074	
	7.70	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:26	2075, b	S 1
	8.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:01	2077	
	8.20	Crack Longitudinal, at 3 o'clock, within 8 inch: NO	00:03:16	2078	S 2
	52.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:49	2079	
	53.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:06	2080, b	S 1
	55.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:34	2082	
	78.40	Roots Fine Joint, from 10 to 5 o'clock, within 8 inch: YES	00:06:44	2083	
	81.20	Roots Fine Joint, from 2 to 8 o'clock, within 8 inch: YES	00:07:00	2084, b	
	84.70	Roots Fine Joint, from 2 to 10 o'clock, within 8 inch: YES	00:07:30	2086, b	
	87.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:08:00	2088, b	
	87.80	Crack Circumferential, from 9 to 2 o'clock, within 8 inch: YES	00:08:37	2090	S 1
	88.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:52	2091	
	102.90	Roots Fine Joint, from 2 to 4 o'clock, within 8 inch: YES	00:09:33	2092, b	
	127.70	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:10:33	2094, b	
	131.00	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:11:01	2096, b	
	131.00	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:11:27	2098	S 2
	132.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:49	2099	
	132.00	Roots Ball Connection, at 9 o'clock, 65 %, within 8 inch: NO	00:12:10	2100	M 4
	137.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:44	2101, b	
	137.30	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:12:56	2103	S 1



Inspection report

Date: 20080528	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 98	PSR: 68547
Total Pipe Length: 261.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:363	position	observation	MPEG	photo	grade
	137.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:44	2101, b	
	137.30	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:12:56	2103	S 1
	138.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:20	2104	
	138.30	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:13:32	2105	M 1
	140.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:13:52	2106, b	
	156.10	Roots Fine Joint, from 4 to 6 o'clock, within 8 inch: YES	00:15:13	2108, b	
	172.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:07	2110	
	172.80	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:16:18	2111	M 1
	172.80	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:16:36	2112	M 1
	184.40	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:17:15	2113	
	196.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:17:49	2114, b	
	197.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:05	2117	
	197.80	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:18:17	2118	M 1
	208.50	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:52	2119	
	230.00	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:19:50	2120	
	230.00	Roots Fine Connection, at 3 o'clock, within 8 inch: NO	00:20:10	2121	M 1
	240.00	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:20:43	2122, b	
	334.60	Broken, from 9 to 2 o'clock, within 8 inch: YES	00:24:36	2124, b	S 5
	351.90	General Observation, within 8 inch: NO, Remarks: pipe material vitrified c	00:26:25	2127	
	351.90	Manhole, within 8 inch: NO, Remarks: 1701-0119	00:26:35	2128	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	4115	14	9	23	1.75	1.5	1.64



Inspection report

Date: 20080529	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 113	PSR: 68543
Total Pipe Length: 273.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: 127TH ST	Flow Control: Not Controlled	Start MH: 1701-0114
City: ZLAS	Year Renewed	End MH: 1701-0113
Location Code: Light Highway	Tape/Media #: M313-008	pipe length: 352.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0113/1701-0114/1701	Lining Method:
	Category:

Remark::

1:528	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0114	00:00:24	2425	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:30	2426	M 1
	5.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:15	2427	
	7.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:03	2428	
	12.40	Water Level, 5 %, within 8 inch: NO	00:04:14	2429	M 2
	34.20	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:05:02	2430, b	S 2
	80.70	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:07:12	2432, b	S 1
	84.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:43	2434	
	94.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:16	2435	
	135.20	Roots Fine Joint, from 12 to 2 o'clock, within 8 inch: YES	00:09:43	2436, b	
	136.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:12	2438	
	138.00	Roots Fine Joint, from 7 to 4 o'clock, within 8 inch: YES	00:10:32	2439, b	
	145.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:23	2441	
	177.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:12:48	2442, b	S 1
	183.50	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:13:31	2444, b	S 1
	184.60	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: cracks in lateral	00:14:07	2446	M 2
	194.90	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:14:51	2447	
	195.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:09	2448, b	S 1
	196.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:39	2450	
	202.80	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:16:11	2451	
	228.80	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:17:35	2452, b	S 1
	232.00	Fracture Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:18:35	2454, b	S 4
	232.90	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: cracks in lateral	00:19:26	2457	M 2
	235.10	Fracture Circumferential, from 1 to 10 o'clock, within 8 inch: YES	00:19:46	2458, b	S 2



Inspection report

Date: 20080529	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 113	PSR: 68543
Total Pipe Length: 273.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:528	position	observation	MPEG	photo	grade
	<u>246.50</u>	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:20:47	2460, b	S 1
	<u>247.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:14	2462	
	<u>290.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:23:10	2463	
	<u>294.80</u>	Crack Circumferential, from 5 to 8 o'clock, within 8 inch: YES	00:23:44	2464, b	S 1
	<u>296.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:12	2466	
	<u>307.00</u>	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:25:09	2467, b	S 1
	<u>314.80</u>	Water Level, 15 %, within 8 inch: NO	00:25:58	2469	M 2
	<u>328.70</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:28:16	2470, b	S 1
	<u>329.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:28:45	2472	
	<u>337.40</u>	Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO	00:29:31	2473	M 2
	<u>339.00</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:29:47	2474	
	<u>352.50</u>	Vermin Cockroach, within 8 inch: NO	00:30:41	2475	M 1
	<u>352.50</u>	General Observation, within 8 inch: NO, Remarks: pipe material vitrified c	00:31:03	2476	
	<u>352.50</u>	Manhole, within 8 inch: NO, Remarks: 1701-0113	00:31:13	2477	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2512	17	12	29	1.42	1.71	1.53



Inspection report

Date: 20080603	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 142	PSR: 84829
Total Pipe Length: 396.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/29/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: 127TH ST	Flow Control: Not Controlled	Start MH: 1756-0139
City: ZLAS	Year Renewed	End MH: 1701-0131
Location Code: Light Highway	Tape/Media #: M313-010	pipe length: 352 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0139/1756-0131/1701	Lining Method:
	Category:

Remark::

1:726	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0139	00:00:26	3078	
	4.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:00:54	3079	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:25	3080	M 2
	9.20	Hole Void Visible, from 2 to 3 o'clock, within 8 inch: NO	00:02:42	3081, b	S 5
	22.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:33	3083	
	34.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:06	3084	
	48.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:45	3085	
	63.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:23	3086	
	90.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:26	3087	
	102.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:58	3088	
	151.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:46	3089	
	156.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:07	3090	
	177.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:01	3091	
	192.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:43	3092	
	207.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:24	3093	
	209.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:39	3094	
	245.40	Water Level, 5 %, within 8 inch: NO	00:13:00	3095	M 2
	249.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:16	3096	
	260.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:51	3097	
	275.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:31	3098	
	275.40	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:45	3099	M 1
	284.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:12	3100	
	302.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:00	3101	
	314.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:42	3102	



Inspection report

Date: 20080603	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 142	PSR: 84829
Total Pipe Length: 396.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/29/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:726	position	observation	MPEG	photo	grade
		Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:04	3103	
		Vermin Cockroach, within 8 inch: NO	00:18:33	3104	M 1
		General Observation, within 8 inch: NO, Remarks: pipe material vitrified c	00:18:56	3105	
		Manhole, within 8 inch: NO, Remarks: 1701-0131	00:19:06	3106	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2212	5	6	11	5	1.5	2.2



Inspection report

Date: 20080605	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 183	PSR: 68542
Total Pipe Length: 324.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/29/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: 127TH ST	Flow Control: Not Controlled	Start MH: 1701-0113
City: ZLAS	Year Renewed	End MH: 1701-0112
Location Code: Light Highway	Tape/Media #: M313-012	pipe length: 352.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0112/1701-0113/1701	Lining Method:
	Category:

Remark::

1:297	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0113	00:00:27	3936	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:35	3937	M 1
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:02	3938	M 2
	7.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:23	3939	
	9.10	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:01:42	3940, b	S 1
	18.20	Roots Fine Joint, from 1 to 3 o'clock, within 8 inch: YES	00:02:19	3942	
	30.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:03	3943	S 1
	30.70	Broken, from 12 to 2 o'clock, within 8 inch: YES	00:03:25	3944, b	S 4
	30.70	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:03:43	3946	
	31.70	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: cracks	00:04:06	3947	M 2
	39.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:04:34	3948, b	S 1
	39.20	Roots Fine Joint, from 12 to 5 o'clock, within 8 inch: YES	00:04:52	3950	
	40.30	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:05:15	3951	
	48.30	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:55	3952, b	S 1
	48.30	Roots Fine Joint, from 9 to 2 o'clock, within 8 inch: YES	00:06:16	3954	
	54.10	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:06:39	3955, b	S 2
	54.10	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:06:57	3957	S 2
	60.40	Roots Fine Joint, from 4 to 9 o'clock, within 8 inch: YES	00:07:19	3958, b	
	63.60	Roots Fine Joint, from 3 to 4 o'clock, within 8 inch: YES	00:07:46	3960, b	
	69.70	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:08:25	3962	
	72.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:09:09	3963	S 1
	72.60	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:09:20	3964	
	73.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:38	3965	
	75.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:01	3966, b	
	78.70	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:45	3970	S 3



Inspection report

Date: 20080605	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 183	PSR: 68542
Total Pipe Length: 324.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/29/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:297	position	observation	MPEG	photo	grade
	<u>78.70</u>	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:45	3970	S 3
	<u>79.30</u>	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: cracks	00:11:13	3971	M 2
	<u>81.10</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:11:33	3972, b	S 2
	<u>86.30</u> F1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:12:00	3974	
	<u>96.50</u>	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:12:32	3975, b	
	<u>96.50</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:12:43	3977	S 2
	<u>99.80</u>	Crack Circumferential, from 12 to 7 o'clock, within 8 inch: YES	00:13:18	3978, b	S 1
	<u>100.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:49	3980	
	<u>100.60</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:00	3981	M 1
	<u>108.50</u>	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:14:44	3982	
	<u>108.50</u>	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:15:05	3983	S 1
	<u>109.70</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:20	3984	
	<u>110.90</u>	Crack Circumferential, from 11 to 3 o'clock, within 8 inch: YES	00:15:47	3985, b	S 1
	<u>110.90</u>	Roots Fine Joint, at 4 o'clock, within 8 inch: YES	00:16:04	3987	
	<u>117.20</u>	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:16:31	3988, b	S 2
	<u>117.20</u>	Roots Fine Joint, from 2 to 9 o'clock, within 8 inch: YES	00:16:49	3990, b	
	<u>118.90</u>	Deposits Attached Grease, from 2 to 4 o'clock, 5 %, within 8 inch: NO	00:17:14	3992, b	M 2
	<u>120.40</u>	Roots Fine Joint, from 2 to 4 o'clock, within 8 inch: YES	00:17:35	3994, b	
	<u>123.70</u>	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:18:03	3996	
	<u>126.80</u>	Roots Fine Joint, from 11 to 3 o'clock, within 8 inch: YES	00:18:25	3997	
	<u>132.60</u>	Roots Fine Joint, from 1 to 3 o'clock, within 8 inch: YES	00:18:48	3998, b	
	<u>132.60</u>	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:19:17	4000	S 2
	<u>140.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:45	4001	
	<u>144.80</u> S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:20:10	4002, b	
	<u>147.90</u>	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:20:34	4006	S 2
	<u>160.10</u> F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:11	4007	
	<u>160.10</u>	Deposits Attached Grease, from 9 to 11 o'clock, 5 %, within 8 inch: YES	00:21:29	4008	M 2
	<u>163.50</u>	Crack Circumferential, from 5 to 7 o'clock, within 8 inch: YES	00:21:52	4009, b	S 1
	<u>163.50</u>	Deposits Attached Grease, from 10 to 2 o'clock, 10 %, within 8 inch: YES	00:22:08	4011	M 2
	<u>173.30</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:22:50	4012, b	S 2
	<u>176.20</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:23:17	4014	S 2
	<u>176.20</u>	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:23:37	4015	S 1
	<u>179.90</u>	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:23:58	4016	



Inspection report

Date: 20080605	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 183	PSR: 68542
Total Pipe Length: 324.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 05/29/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:297	position	observation	MPEG	photo	grade
	179.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:23:58	4016	
	181.50	Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO	00:24:15	4017	M 2
	206.80	Deposits Attached Grease, from 10 to 2 o'clock, 10 %, within 8 inch: YES	00:25:14	4018	M 2
	212.90	Deposits Attached Grease, from 9 to 3 o'clock, 15 %, within 8 inch: NO	00:25:41	4019, b	M 3
	241.00	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: YES	00:26:59	4021, b	S 1
	244.70	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:27:29	4023	
	249.70	Crack Circumferential, from 1 to 5 o'clock, within 8 inch: YES	00:27:57	4024, b	S 1
	278.10	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:29:19	4026, b	S 2
	296.60	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:30:23	4028, b	S 2
	303.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:31:02	4030	
	314.80	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:31:35	4031, b	S 1
	320.90	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:32:08	4033, b	S 2
	327.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:32:37	4035, b	S 2
	333.50	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:33:09	4037, b	S 1
	352.40	Vermin Cockroach, within 8 inch: NO	00:34:12	4039	M 1
	352.40	General Observation, within 8 inch: NO, Remarks: pipe material vitrified c	00:34:36	4040	
	352.40	Manhole, within 8 inch: NO, Remarks: 1701-0112	00:34:45	4041	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	3128	47	22	69	1.62	1.83	1.68



Inspection report

Date: 20080611	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 223	PSR: 68474
Total Pipe Length: 272.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/06/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: CARLTON AV	Flow Control: Not Controlled	Start MH: 1701-0175
City: ZLAS	Year Renewed	End MH: 1701-0176
Location Code: Light Highway	Tape/Media #: M313-015	pipe length: 353.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0175/1701-0176/1701	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0175	00:00:28	4921	
	<u>11.30</u>	Water Level, 5 %, within 8 inch: NO	00:01:18	4922	M 2
	<u>15.60</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:01:37	4923	
	<u>63.90</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:03:15	4924	
	<u>86.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:09	4925	
	<u>119.90</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:25	4926	
	<u>122.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:46	4927	
	<u>165.90</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:19	4928	
	<u>188.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:17	4929	
	<u>217.20</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:25	4930	
	<u>223.40</u>	Fracture Circumferential, from 4 to 11 o'clock, within 8 inch: YES	00:10:04	4931, b	S 2
	<u>224.50</u>	Hole Void Visible, from 6 to 11 o'clock, within 8 inch: NO	00:10:53	4933, b	S 5
	<u>225.40</u>	Fracture Circumferential, from 4 to 11 o'clock, within 8 inch: NO	00:11:21	4935, b	S 2
	<u>229.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:05	4937	
	<u>242.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:46	4938	
	<u>311.60</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:11	4939	
	<u>314.20</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:15:33	4940	
	<u>323.60</u>	Deposits Attached Grease, from 9 to 3 o'clock, 5 %, within 8 inch: NO	00:16:06	4941	M 2
	<u>332.00</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:33	4942	
	<u>333.50</u>	Water Level, 10 %, within 8 inch: NO	00:16:47	4943	M 2
	<u>353.50</u>	Vermin Cockroach, within 8 inch: NO	00:17:43	4944	M 1
	<u>353.50</u>	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:18:00	4945	
	<u>353.50</u>	Manhole, within 8 inch: NO, Remarks: 1701-0176	00:18:10	4946	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2311	9	7	16	3	1.75	2.29



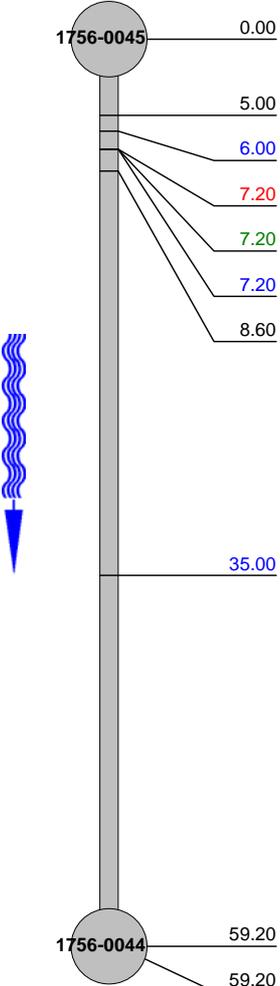
Inspection report

Date: 20080619	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 296	PSR: 63462
Total Pipe Length: 66.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/11/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1756-0045
City: ZLAS	Year Renewed:	End MH: 1756-0044
Location Code: Alley	Tape/Media #: M313-019	pipe length: 59.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0044/1756-0045/1756	Lining Method:
	Category:

Remark::

1:150	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0045	00:00:29	6622	
	5.00	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:00:58	6623	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:15	6624	M 2
	7.20	Hole Soil Visible, from 11 to 1 o'clock, within 8 inch: YES	00:01:57	6625, b	S 5
	7.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:13	6627	S 1
	7.20	Deposits Attached Grease, from 8 to 9 o'clock, 5 %, within 8 inch: YES	00:02:27	6628	M 2
	8.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:02:44	6629	
	35.00	Water Level, 15 %, within 8 inch: NO	00:03:41	6630	M 2
	59.20	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:04:44	6631	
	59.20	Manhole, within 8 inch: NO, Remarks: 1756-0044	00:04:52	6632	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2300	6	6	12	3	2	2.4



Inspection report

Date: 20080627	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 365	PSR: 63407
Total Pipe Length: 390.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: EL SEGUNDO BV	Flow Control: Not Controlled	Start MH: 1756-0115
City: ZLAS	Year Renewed	End MH: 1756-0114
Location Code: Main Highway - Urban	Tape/Media #: M313-024	pipe length: 280.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0114/1756-0115/1756	Lining Method:
	Category:

Remark::

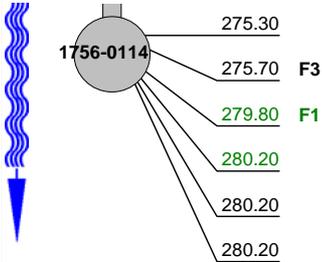
1:594	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0115	00:00:24	8314	
	1.50	Hole Soil Visible, from 7 to 2 o'clock, within 8 inch: YES	00:00:55	8315, b	S 5
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:40	8319	M 2
	10.20	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:03:03	8320, b	S 2
	19.80	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:42	8322	S 2
	31.80 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:22	8323, b	S 1
	31.80	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:04:34	8327, b	
	34.90	Roots Fine Joint, from 7 to 8 o'clock, within 8 inch: YES	00:05:07	8329	
	53.00	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:06:13	8330	
	56.00 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:06:32	8331, b	
	129.70	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:10:41	8335, b	S 2
	130.70	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: NO	00:11:16	8337, b	S 5
	159.40 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:12:53	8339	
	162.90	Joint Offset Large, within 8 inch: YES	00:13:15	8340, b	S 2
	164.00	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:13:42	8342	
	187.70	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:15:00	8343	
	190.80	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:15:14	8344	
	193.90	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:15:47	8345, b	
	200.30 S3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:16:24	8347, b	
	216.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:17:46	8351	



Inspection report

Date: 20080627	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 365	PSR: 63407
Total Pipe Length: 390.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

1:594	position	observation	MPEG	photo	grade
	275.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:21:28	8352	
	275.70 F3	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:39	8353	
	279.80 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:02	8354	S 1
	280.20	Vermin Cockroach, within 8 inch: NO	00:22:19	8355	M 1
	280.20	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:22:35	8356	
	280.20	Manhole, within 8 inch: NO, Remarks: 1756-0114	00:22:49	8357	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5224	2111	20	3	23	2.5	1.5	2.3



Inspection report

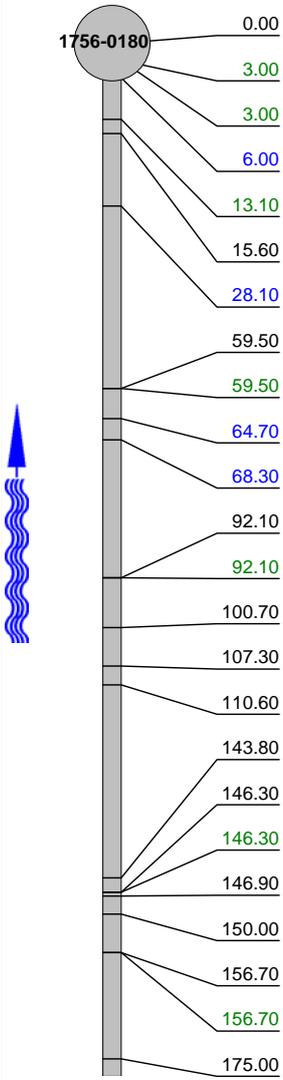
Date: 20080708	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 416	PSR: 63338
Total Pipe Length: 272.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1756-0180
City: ZLAS	Year Renewed	End MH: 1756-0179
Location Code: Easement/Right of Way	Tape/Media #: M313-028	pipe length: 270.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0179/1756-0180/1756	Lining Method:
	Category:

Remark::

1:396	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0180	00:00:25	9757	
	3.00	Joint Offset Medium, within 8 inch: YES	00:00:56	9758	S 1
	3.00	Crack Circumferential, from 12 to 2 o'clock, within 8 inch: YES	00:01:16	9759	S 1
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:50	9760	M 2
	13.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:31	9761, b	S 1
	15.60	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:03:03	9763, b	
	28.10	Water Level, 10 %, within 8 inch: NO	00:03:51	9765	M 2
	59.50	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:05:02	9766	
	59.50	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:05:12	9767	M 1
	64.70	Water Level, 5 %, within 8 inch: NO	00:05:33	9768	M 2
	68.30	Fracture Circumferential, from 9 to 12 o'clock, within 8 inch: NO	00:05:51	9769, b	S 2
	92.10	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:07:12	9771, b	
	92.10	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:07:24	9773, b	S 1
	100.70	Roots Fine Joint, from 12 to 2 o'clock, within 8 inch: YES	00:08:05	9775, b	
	107.30	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:08:44	9777, b	
	110.60	Roots Fine Joint, from 2 to 3 o'clock, within 8 inch: YES	00:09:14	9779, b	
	143.80	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:10:46	9781, b	
	146.30	Tap Break-in, at 9 o'clock, 6", within 8 inch: NO	00:11:16	9783	
	146.30	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:11:36	9784	M 1
	146.90	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:12:03	9785, b	
	150.00	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:29	9787, b	
	156.70	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:13:06	9789, b	
	156.70	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:13:23	9791, b	S 1
	175.00	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:14:20	9793, b	

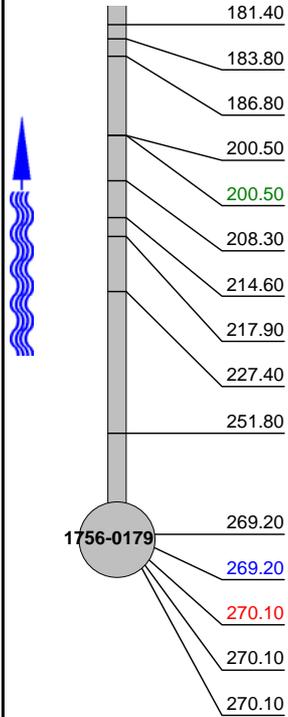




Inspection report

Date: 20080708	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 416	PSR: 63338
Total Pipe Length: 272.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

1:396	position	observation	MPEG	photo	grade
	181.40	Roots Fine Joint, at 1 o'clock, within 8 inch: YES	00:14:55	9795	
	183.80	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES	00:15:20	9796	
	186.80	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:15:36	9797, b	
	200.50	Tap Break-in, at 3 o'clock, 6", within 8 inch: NO	00:16:32	9799	
	200.50	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:16:43	9800	M 1
	208.30	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:17:09	9801, b	
	214.60	Roots Fine Joint, from 12 to 4 o'clock, within 8 inch: YES	00:17:42	9803, b	
	217.90	Roots Fine Joint, from 10 to 3 o'clock, within 8 inch: YES	00:18:11	9805, b	
	227.40	Roots Fine Joint, from 9 to 11 o'clock, within 8 inch: YES	00:18:49	9807, b	
	251.80	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:20:01	9809, b	
	269.20	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:21:08	9811	
	269.20	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:21:26	9812, b	S 2
	270.10	Hole Soil Visible, from 9 to 12 o'clock, within 8 inch: NO	00:22:03	9814, b	S 5
	270.10	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:22:45	9817	
	270.10	End of Pipe, within 8 inch: NO, Remarks: 1756-0179 PIPES BEEN CAPP	00:23:10	9818	





Inspection report

Date: 20080709	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 437	PSR: 68357
Total Pipe Length: 341.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: 135TH ST	Flow Control: Not Controlled	Start MH: 1701-0316
City: ZLAS	Year Renewed:	End MH: 1701-0317
Location Code: Light Highway	Tape/Media #: M313-029	pipe length: 337.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0316/1701-0317/1701	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0316	00:00:36	10502	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:13	10503	M 2
	35.80	Hole Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:02:19	10504, b	S 5
	90.70	Crack Circumferential, from 1 to 6 o'clock, within 8 inch: YES	00:04:32	10506, b	S 1
	117.90	Roots Fine Joint, from 9 to 12 o'clock, within 8 inch: YES	00:05:51	10508, b	
	180.00	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:08:08	10510, b	
	182.90	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:08:40	10512, b	
	192.60	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:09:22	10514, b	
	207.60	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:10:22	10516, b	
	213.90	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:10:54	10518, b	
	220.10	Roots Fine Joint, from 3 to 8 o'clock, within 8 inch: YES	00:11:26	10520, b	
	228.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:01	10522, b	
	269.60	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:07	10526	
	281.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:14:36	10527, b	
	284.30	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:14:58	10529, b	
	337.10	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:17:29	10531	
	337.10	Manhole, within 8 inch: NO, Remarks: 1701-0317	00:17:39	10532	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2100	6	2	8	3	2	2.67



Inspection report

Date: 20080710	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 458	PSR: 63346
Total Pipe Length: 250.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1756-0187
City: ZLAS	Year Renewed:	End MH: 1756-0186
Location Code: Easement/Right of Way	Tape/Media #: M313-030	pipe length: 250.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0186/1756-0187/1756	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0187	00:00:32	11056	
	3.00	Crack Circumferential, from 2 to 6 o'clock, within 8 inch: YES	00:01:14	11057, b	S 1
	6.00	Water Level, 10 %, within 8 inch: NO	00:02:21	11059	M 2
	11.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:02:50	11060, b	S 1
	11.40	Roots Fine Joint, from 11 to 1 o'clock, within 8 inch: YES	00:03:14	11062	
	13.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:40	11063, b	
	46.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:09	11067	
	46.70	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:05:19	11068	M 1
	52.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:05:47	11069	
	52.60	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:05:59	11070	M 1
	100.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:07:54	11071	
	107.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:08:15	11072	
	109.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:29	11073	
	153.70	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:09:58	11074, b	
	162.40	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:10:34	11076, b	
	164.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:10:54	11078	
	164.70	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:11:04	11079	M 1
	165.30	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:11:17	11080, b	
	165.30	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:11:38	11082	S 1
	167.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:54	11083	
	167.60	Roots Ball Lateral, at 3 o'clock, 90 %, within 8 inch: NO	00:12:11	11084	M 4
	180.10	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:12:45	11085, b	
	183.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:13:08	11087, b	

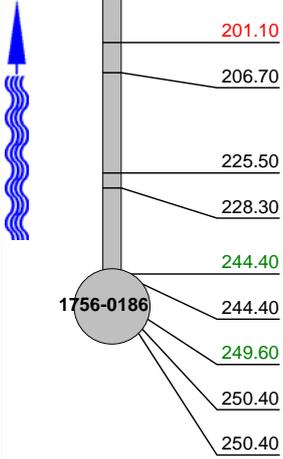


Inspection report

Date: 20080710	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 458	PSR: 63346
Total Pipe Length: 250.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

1:429	position	observation	MPEG	photo	grade
	201.10	Hole Soil Visible, from 12 to 2 o'clock, within 8 inch: NO	00:14:39	11091, b	S 5
	206.70 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:21	11093	
	225.50	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:16:04	11094	
	228.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:16:17	11095	
	244.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:17:06	11096, b	S 1
	244.40	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:17:22	11098	
	249.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: NO	00:17:42	11099, b	S 1
	250.40	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:18:18	11101	
	250.40	Manhole, within 8 inch: NO, Remarks: 1756-0186	00:18:29	11102	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5115	4121	10	9	19	1.67	1.8	1.73





Inspection report

Date: 20080711	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 467	PSR: 68369
Total Pipe Length: 274.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/08/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1701-0327
City: ZLAS	Year Renewed	End MH: 1701-0328
Location Code: Easement/Right of Way	Tape/Media #: M313-031	pipe length: 277.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0327/1701-0328/1701	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0327	00:00:26	11219	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:32	11220	M 1
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:08	11221	
	8.70	Water Level, 10 %, within 8 inch: NO	00:04:30	11222	M 2
	51.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:53	11223	
	51.10	Roots Medium Lateral, at 9 o'clock, 10 %, within 8 inch: NO	00:06:07	11224	M 3
	53.70	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:06:32	11225	
	63.50	Hole Void Visible, from 1 to 3 o'clock, within 8 inch: NO	00:07:24	11226, b	S 5
	65.00	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:07:54	11228	
	67.30	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:08:15	11229, b	S 1
	90.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:09:23	11231	
	92.70	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:09:45	11232	
	100.20	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:10:26	11233, b	S 1
	103.60	Crack Circumferential, from 11 to 5 o'clock, within 8 inch: YES	00:11:05	11235, b	S 1
	143.80	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: YES	00:12:50	11237, b	S 1
	145.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:13:16	11239	
	145.00	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:13:27	11240	M 1
	147.40	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:13:50	11241	
	177.00	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:15:00	11242, b	S 1
	196.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:16:03	11244	
	196.70	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:16:21	11245	M 1
	199.50	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:16:41	11246	
	200.60	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:17:05	11247, b	S 1



Inspection report

Date: 20080711	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 467	PSR: 68369
Total Pipe Length: 274.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/08/2008	Pre-Cleaned: Jetting	Map Grid #: 1701

1:462	position	observation	MPEG	photo	grade
	<u>225.40</u>	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:18:11	11249, b	S 1
	<u>225.40</u>	Roots Fine Joint, from 8 to 5 o'clock, within 8 inch: YES	00:18:29	11251	
	<u>241.00</u>	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:19:09	11252, b	
	<u>248.60</u>	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:19:47	11254	
	<u>248.60</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:19:58	11255	M 1
	<u>248.60</u>	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:20:14	11256	M 1
	<u>250.80</u>	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:20:37	11257	
	<u>271.00</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:21:35	11258, b	S 1
	<u>277.60</u>	Vermin Cockroach, within 8 inch: NO	00:22:15	11260	M 1
	<u>277.60</u>	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:22:33	11261	
	<u>277.60</u>	Manhole, within 8 inch: NO, Remarks: 1701-0328 BURIED MANHOLE	00:22:49	11262	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5118	3121	13	11	24	1.44	1.38	1.41



Inspection report

Date: 20080716	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 485	PSR: 63353
Total Pipe Length: 361.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/08/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: 127TH ST	Flow Control: Not Controlled	Start MH: 1756-0193
City: ZLAS	Year Renewed:	End MH: 1756-0194
Location Code: Light Highway	Tape/Media #: M313-033	pipe length: 346.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0193/1756-0194/1756	Lining Method:
	Category:

Remark::

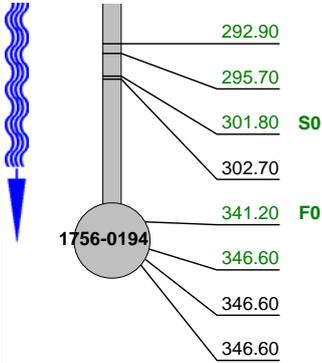
1:627	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0193	00:01:06	11683	
	0.00	Vermin Cockroach, within 8 inch: NO	00:01:18	11684	M 1
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:56	11685	M 2
	5.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:09	11686	
	7.30	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:02:34	11687, b	S 1
	8.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:53	11689	
	9.80 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:3:10	11690, b	S 1
	41.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:49	11694	
	77.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:32	11695	
	127.10	Fracture Circumferential, from 4 to 2 o'clock, within 8 inch: YES	00:08:52	11696, b	S 2
	128.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:22	11698	
	152.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:37	11699	
	185.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:05	11700	
	186.80	Crack Circumferential, within 8 inch: NO	00:12:18	11701	S 1
	188.90 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:12:28	11702	S 1
	205.50	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:13:10	11703, b	S 1
	205.50	Hole Void Visible, at 12 o'clock, within 8 inch: NO	00:13:27	11705, b	S 5
	209.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:07	11707	
	213.90 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:14:29	11708, b	S 1
	244.60 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:58	11712	S 1
	257.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:36	11713	
	265.20	Crack Circumferential, from 9 to 4 o'clock, within 8 inch: YES	00:17:09	11714, b	S 1
	277.50	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:17:58	11716, b	S 1



Inspection report

Date: 20080716	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 485	PSR: 63353
Total Pipe Length: 361.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/08/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

1:627	position	observation	MPEG	photo	grade
	292.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:18:57	11718, b	S 1
	295.70	Crack Circumferential, from 4 to 9 o'clock, within 8 inch: YES	00:19:27	11720, b	S 1
	301.80 SO	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:20:05	11722, b	S 1
	302.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:32	11726	
	341.20 FO	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:31	11727	S 1
	346.60	Vermin Cockroach, within 8 inch: NO	00:22:50	11728	M 1
	346.60	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:23:18	11729	
	346.60	Manhole, within 8 inch: NO, Remarks: 1756-0194	00:23:27	11730	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2112	20	4	24	1.33	1.33	1.33



Inspection report

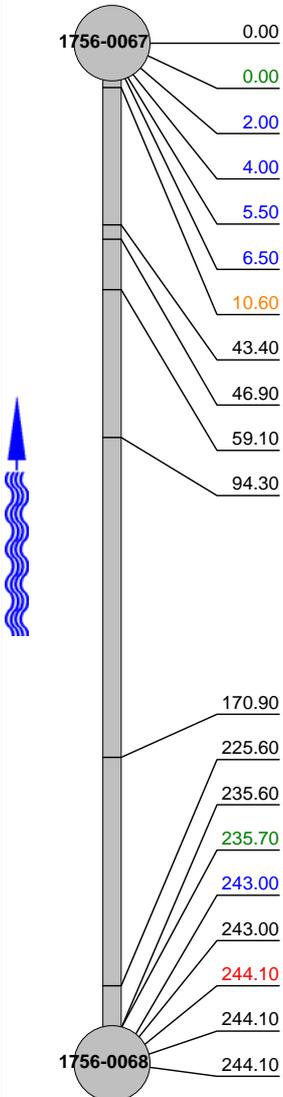
Date: 20080718	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 525	PSR: 63487
Total Pipe Length: 40.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/08/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1756-0067
City: ZLAS	Year Renewed	End MH: 1756-0068
Location Code: Easement/Right of Way	Tape/Media #: M313-035	pipe length: 244.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 6"/6"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0067/1756-0068/1756	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0067	00:00:20	12421	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:27	12422	M 1
	2.00	Fracture Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:01:39	12423	S 2
	4.00	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:01:59	12424, b	S 2
	5.50	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:02:35	12426, b	S 2
	6.50	Water Level, 5 %, within 8 inch: NO	00:03:09	12428	M 2
	10.60	Water Mark, 40 %, within 8 inch: NO	00:03:24	12429	M 3
	43.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:29	12430	
	46.90	Roots Fine Joint, from 8 to 9 o'clock, within 8 inch: YES	00:04:44	12431, b	
	59.10	Roots Fine Joint, from 3 to 8 o'clock, within 8 inch: YES	00:05:21	12433, b	
	94.30	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:43	12435	
	170.90	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:9:10	12436	
	225.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:02	12437	
	235.60	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:11:32	12438	
	235.70	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:11:59	12439, b	S 1
	243.00	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: NO	00:12:47	12441, b	S 2
	243.00	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:13:05	12444, b	
	244.10	Broken, from 3 to 9 o'clock, within 8 inch: NO	00:14:00	12446	S 5
	244.10	End of Pipe, within 8 inch: NO, Remarks: 1756-0068 PIPE CAPPED OFF	00:14:54	12447	
	244.10	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:15:11	12448	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5124	3121	14	6	20	2.33	2	2.22



Inspection report

Date: 20080721	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 532	PSR: 63441
Total Pipe Length: 197.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/17/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: AVALON BV	Flow Control: Not Controlled	Start MH: 1756-0149
City: ZLAS	Year Renewed	End MH: 1756-0150
Location Code: Light Highway	Tape/Media #: M313-036	pipe length: 221 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 15"/15"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0149/1756-0150/1756	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0149	00:00:25	12540	
	3.70	Water Level, 20 %, within 8 inch: NO	00:00:42	12541	M 2
	34.70	Tap Factory Capped, at 10 o'clock, 6", within 8 inch: NO	00:01:35	12542	
	67.90	Water Mark, 25 %, within 8 inch: NO	00:02:27	12543	M 2
	83.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:57	12544	
	136.50	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:19	12545	
	141.00	Broken Void Visible, from 12 to 2 o'clock, within 8 inch: YES	00:04:54	12546, b	S 5
	141.00	Fracture Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:05:17	12548, b	S 2
	221.00	Vermin Cockroach, within 8 inch: NO	00:07:24	12550	M 1
	221.00	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL	00:07:40	12551	
	221.00	VITRIFIED C			
	221.00	Manhole, within 8 inch: NO, Remarks: 1756-0150	00:07:49	12552	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2211	7	5	12	3.5	1.67	2.4



Inspection report

Date: 20080723	P.O.#: Y0TV0708G	Weather: Dry	Surveyed By: Martin Garcia	section number: 562	PSR: 63354
Total Pipe Length: 112.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/17/2008	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: CENTRAL AV	Flow Control: Not Controlled	Start MH: 1756-0194
City: ZLAS	Year Renewed:	End MH: 1756-0195
Location Code: Light Highway	Tape/Media #: M313-038	pipe length: 130.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0194/1756-0195/1756	Lining Method:
	Category:

Remark::

1:300	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0194	00:00:21	13114	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:28	13115	M 1
	6.00	Water Level, 20 %, within 8 inch: NO	00:01:05	13116	M 2
	11.10	Obstacle Other, from 7 to 9 o'clock, 10 %, within 8 inch: NO	00:01:42	13117, b	M 2
	11.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:01:59	13119, b	S 1
	12.90	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:02:23	13121, b	S 1
	14.50	Hole Void Visible, from 7 to 11 o'clock, within 8 inch: NO	00:02:50	13123, b	S 5
	14.50	Broken Void Visible, from 7 to 11 o'clock, within 8 inch: NO	00:03:05	13125, b	S 5
	16.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:25	13127, b	S 1
	25.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:57	13129, b	S 1
	130.10	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:07:49	13133	S 1
	130.40	Vermin Cockroach, within 8 inch: NO	00:08:09	13134	M 1
	130.40	General Observation, within 8 inch: NO, Remarks: PIPE MATERIAL VITRIFIED C	00:08:26	13135	
	130.40	Manhole, within 8 inch: NO, Remarks: 1756-0195	00:08:35	13136	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5215	2212	15	6	21	2.14	1.5	1.91



Inspection report

Date: 20080604	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 726	PSR: 69064
Total Pipe Length: 255.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/03/2008	Pre-Cleaned: Jetting	Map Grid #: 1699

Street: 93RD ST	Flow Control: Not Controlled	Start MH: 1699-0129
City: ZLAS	Year Renewed	End MH: 1699-0128
Location Code: Sidewalk	Tape/Media #: G312-012	pipe length: 220.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0128/1699-0129/1699	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1699-0129	00:00:52	2378	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:28	2379	M 2
	21.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:02:23	2380	
	72.50	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:04:02	2381	
	134.40	S1 Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES, Start	00:07:06	2382, b	S 4
	134.40	Infil Dropper, from 7 to 5 o'clock, within 8 inch: YES	00:07:29	2385, b	M 3
	134.40	Broken, from 10 to 12 o'clock, within 8 inch: NO	00:08:40	2387, b	S 4
	134.40	S2 Deformed, 10 %, within 8 inch: NO, Start	00:09:05	2389, b	S 4
	135.40	Tap Factory Defective, at 12 o'clock, 6", within 8 inch: NO, Remarks: fractured	00:11:12	2391, b	M 2
	136.00	Roots Fine Barrel, from 2 to 3 o'clock, within 8 inch: NO	00:12:27	2393, b	M 2
	137.40	F1 Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES, End	00:13:50	2395	S 4
	137.40	F2 Deformed, 10 %, within 8 inch: NO, End	00:14:03	2396	S 4
	220.50	Broken Void Visible, from 5 to 8 o'clock, within 8 inch: NO	00:17:25	2397, b	S 5
	220.50	Manhole, within 8 inch: NO, Remarks: 1699-0128	00:19:03	2399	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5145	3123	25	9	34	4.17	2.25	3.4



Inspection report

Date: 20080606	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 753	PSR: 69117
Total Pipe Length: 324.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/05/2008	Pre-Cleaned: Jetting	Map Grid #: 1699

Street: 101ST ST	Flow Control: Not Controlled	Start MH: 1699-0057
City: ZLAS	Year Renewed	End MH: 1699-0059
Location Code: Light Highway	Tape/Media #: G312-014	pipe length: 324.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0057/1699-0059/1699	Lining Method: Cured in Place
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1699-0057	00:00:47	2859	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:11	2860	M 2
	76.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:37	2861	
	81.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:03	2862	
	102.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:56	2863	
	119.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:47	2864	
	163.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:11	2865	
	192.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:21	2866	
	225.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:30	2867	
	250.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:23	2868	
	297.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:05	2869	
	324.70	Broken, from 7 to 9 o'clock, within 8 inch: NO, Remarks: Channel of MH 1699-0059	00:13:25	2870, b	S 4
	324.70	Manhole, within 8 inch: NO, Remarks: 1699-0059	00:14:25	2872	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080613	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 816	PSR: 71430
Total Pipe Length: 332.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/12/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 105TH ST	Flow Control: Not Controlled	Start MH: 1645-0188
City: ZLAS	Year Renewed	End MH: 1645-0189
Location Code: Light Highway	Tape/Media #: G312-019	pipe length: 334.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0188/1645-0189/1645	Lining Method: Cured in Place
Category:	

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0188	00:00:46	3938	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:22	3939	M 2
	6.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:34	3940	
	55.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:43	3941	
	65.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:28	3942	
	83.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:28	3943	
	127.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:19	3944	
	150.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:28	3945	
	191.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:17	3946	
	207.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:21	3947	
	242.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:39	3948	
	255.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:49	3949	
	311.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:10	3950	
	316.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:11	3951	
	324.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:55	3952	
	334.50	Broken, from 4 to 6 o'clock, within 8 inch: NO	00:21:09	3953, b	S 4
	334.50	Manhole, within 8 inch: NO, Remarks: 1645-0189	00:22:00	3955	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080613	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 821	PSR: 68945
Total Pipe Length: 309.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/12/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: 105TH ST	Flow Control: Not Controlled	Start MH: 1700-0054
City: ZLAS	Year Renewed	End MH: 1700-0053
Location Code: Light Highway	Tape/Media #: G312-019	pipe length: 311 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0053/1700-0054/1700	Lining Method: Cured in Place
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0054	00:00:55	3989	
	<u>6.00</u>	Water Level, 10 %, within 8 inch: NO	00:01:26	3990	M 2
	<u>15.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:55	3991	
	<u>56.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:18	3992	
	<u>69.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:13	3993	
	<u>77.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:43	3994	
	<u>82.20</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:15	3995	
	<u>136.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:56	3996	
	<u>172.80</u>	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:08:21	3997	
	<u>180.40</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:50	3998	
	<u>213.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:07	3999	
	<u>264.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:53	4000	
	<u>306.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:12	4001	
	<u>311.00</u>	Broken, from 2 to 5 o'clock, within 8 inch: NO, Remarks: channel of manhole	00:14:39	4002, b	S 4
	<u>311.00</u>	Manhole, within 8 inch: NO, Remarks: 1700-0053	00:15:14	4004	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080616	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 837	PSR: 71322
Total Pipe Length: 326.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/13/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: NORMANDIE AV	Flow Control: Not Controlled	Start MH: 1645-0207
City: ZLAS	Year Renewed:	End MH: 1645-0208
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-020	pipe length: 330.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0207/1645-0208/1645	Lining Method: Cured in Place
Category:	

Remark::

1:750	position	observation	MPEG	photo	grade
	0.10	Manhole, within 8 inch: NO, Remarks: 1645-0207	00:00:44	4278	
	6.10	Water Level, 10 %, within 8 inch: NO	00:01:24	4279	M 2
	6.10	General Observation, within 8 inch: NO, Remarks: Flow direction is incorre	00:01:52	4280	
	59.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:27	4281	
	131.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:34	4282	
	157.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:40	4283	
	249.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:13	4284	
	330.80	Broken, from 7 to 9 o'clock, within 8 inch: NO, Remarks: Channel of MH	00:12:15	4285, b	S 4
	330.80	Manhole, within 8 inch: NO, Remarks: 1645-0208	00:13:11	4287	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080625	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 928	PSR: 71371
Total Pipe Length: 336.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/24/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 108TH ST	Flow Control: Not Controlled	Start MH: 1645-0251
City: ZLAS	Year Renewed:	End MH: 1645-0250
Location Code: Light Highway	Tape/Media #: G312-027	pipe length: 310.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0250/1645-0251/1645	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0251	00:00:37	5988	
	<u>0.00</u>	Water Level, 5 %, within 8 inch: NO	00:00:51	5989	M 2
	9.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:25	5990	
	51.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:02	5991	
	72.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:05	5992	
	114.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:24	5993	
	<u>114.50</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:05:44	5994, b	M 1
	156.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:20	5996	
	<u>158.10</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:10	5997, b	S 3
	158.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:08:23	5999, b	
	<u>160.20</u>	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, Start	00:09:18	6001, b	S 2
	<u>160.90</u>	Broken, from 4 to 8 o'clock, within 8 inch: YES	00:10:10	6003, b	S 5
	<u>160.90</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:33	6006, b	S 3
	<u>160.90</u>	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, End	00:11:16	6008	S 2
	219.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:04	6009	
	<u>288.60</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:17	6010	S 3
	288.60	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES, Start	00:16:35	6011, b	
	289.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:17:07	6013	
	306.30	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES, End	00:18:27	6014	
	310.20	Manhole, within 8 inch: NO, Remarks: 1645-0250	00:19:07	6015	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5133	2111	18	3	21	3	1.5	2.63



Inspection report

Date: 20080701	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 974	PSR: 68786
Total Pipe Length: 139.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/30/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: 112TH ST	Flow Control: Not Controlled	Start MH: 1700-0143
City: ZLAS	Year Renewed:	End MH: 1700-0146
Location Code: Light Highway	Tape/Media #: G312-031	pipe length: 149.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Concrete Pipe (non-reinforced) Pipe Length:
Drain. Area: 0143/1700-0146/1700	Lining Method: Spiral Wound
Category:	

Remark::

1:350	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0143	00:00:38	6716	
	4.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:01:18	6717	
	<u>5.00</u>	Water Level, 5 %, within 8 inch: NO	00:01:42	6718	M 2
	6.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:59	6719	
	16.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:31	6720	
	47.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:32	6721	
	68.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:20	6722	
	<u>149.70</u>	Broken, from 3 to 9 o'clock, within 8 inch: NO, Remarks: Channel of MH	00:06:43	6723, b	S 5
	149.70	Manhole, within 8 inch: NO, Remarks: 1700-0146	00:07:17	6725	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2100	5	2	7	5	2	3.5



Inspection report

Date: 20080709	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1048	PSR: 68747
Total Pipe Length: 140.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/09/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: GEDDES ST	Flow Control: Not Controlled	Start MH: 1700-0232
City: ZLAS	Year Renewed:	End MH: 1700-0233
Location Code: Light Highway	Tape/Media #: G312-036	pipe length: 179.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0232/1700-0233/1700	Lining Method:
	Category:

Remark::

1:400	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0232	00:00:40	7800	
	0.40	Water Level, 5 %, within 8 inch: NO	00:01:01	7801	M 2
	2.80	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:01:27	7802, b	S 3
	2.80	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:01:48	7804, b	S 3
	21.20	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:03:13	7806, b	S 3
	22.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:41	7808	
	24.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:02	7809	
	32.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:23	7810, b	S 3
	32.00	Broken, from 4 to 8 o'clock, within 8 inch: YES	00:05:36	7812, b	S 5
	95.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:28	7814, b	S 3
	95.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:00	7818, b	S 3
	99.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:35	7820	
	108.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:10	7821	
	110.10	Surface Other Unknown, from 4 to 8 o'clock, within 8 inch: YES	00:11:28	7822, b	
	159.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:54	7824	
	176.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:14:45	7825	S 3
	179.30	Manhole, within 8 inch: NO, Remarks: 1700-0233	00:15:41	7826	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5137	2100	26	2	28	3.25	2	3.11



Inspection report

Date: 20080710	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1062	PSR: 68764
Total Pipe Length: 161.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/09/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1700-0251
City: ZLAS	Year Renewed:	End MH: 1700-0250
Location Code: Alley	Tape/Media #: G312-037	pipe length: 114.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0250/1700-0251/1700	Lining Method:
	Category:

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0251	00:00:38	8020	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:00	8021	M 2
	29.90	Hole, from 9 to 10 o'clock, within 8 inch: NO	00:01:55	8022, b	S 4
	84.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:34	8024	
	114.40	Manhole, within 8 inch: NO, Remarks: 1700-0250	00:04:45	8025	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080711	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1071	PSR: 68732
Total Pipe Length: 300.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/10/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: BUDLONG AV	Flow Control: Not Controlled	Start MH: 1700-0212
City: ZLAS	Year Renewed:	End MH: 1700-0255
Location Code: Light Highway	Tape/Media #: G312-038	pipe length: 92 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0212/1700-0255/1700	Lining Method:
	Category:

Remark::

1:225	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0212	00:00:33	8129	
	5.00	Water Level, 15 %, within 8 inch: NO	00:00:56	8130	M 2
	8.00 S1	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: NO, Start	00:01:19	8131, b	M 3
	28.00 F1	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: NO, End	00:04:24	8135	M 3
	41.00 S2	Deposits Attached Grease, from 8 to 4 o'clock, 15 %, within 8 inch: YES, Start	00:05:04	8136, b	M 3
	47.10 F2	Deposits Attached Grease, from 8 to 4 o'clock, 15 %, within 8 inch: YES, End	00:05:37	8138	M 3
	55.80	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: NO	00:06:09	8139, b	M 2
	56.00	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:06:47	8141, b	S 4
	57.50 S3	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: NO, Start	00:07:29	8143, b	M 3
	59.60 F3	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: NO, End	00:08:22	8145	M 3
	74.60 S4	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: YES, Start	00:09:08	8146, b	M 3
	92.00 F4	Deposits Attached Grease, from 8 to 4 o'clock, 20 %, within 8 inch: YES, End	00:14:02	8149	M 3
	92.00	Abandoned Survey, within 8 inch: NO, Remarks: Completes inspection of e	00:14:23	8150	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3822	4	28	32	4	2.8	2.91



Inspection report

Date: 20080711	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1076	PSR: 68769
Total Pipe Length: 58.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/10/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: BUDLONG AV	Flow Control: Not Controlled	Start MH: 1700-0195
City: ZLAS	Year Renewed:	End MH: 1700-0194
Location Code: Light Highway	Tape/Media #: G312-038	pipe length: 13.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0194/1700-0195/1700	Lining Method:
	Category:

Remark::

1:50	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0195	00:00:44	8208	
	0.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: NO	00:01:26	8209, b	S 3
	3.00	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:3:10	8211, b	S 4
	5.00	Water Level, 5 %, within 8 inch: NO	00:03:41	8213	M 2
	11.20	Crack Multiple, from 7 to 10 o'clock, within 8 inch: YES	00:04:52	8214, b	S 3
	13.60	Manhole, within 8 inch: NO, Remarks: 1700-0194	00:06:19	8216	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	10	2	12	3.33	2	3



Inspection report

Date: 20080718	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1143	PSR: 71354
Total Pipe Length: 108.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/17/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 0	Flow Control: Not Controlled	Start MH: 1645-0241
City: ZLAS	Year Renewed	End MH: 1645-0295
Location Code: Easement/Right of Way	Tape/Media #: G312-043	pipe length: 119.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0241/1645-0295/1645	Lining Method:
	Category:

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0241	00:00:33	9604	
	5.00	Water Level, 10 %, within 8 inch: NO	00:00:59	9605	M 2
	13.60	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:40	9606, b	
	13.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:55	9609, b	S 3
	59.20	Water Level, 15 %, within 8 inch: NO, Remarks: Held by tissue debris	00:03:42	9611	M 2
	74.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:14	9612	S 3
	75.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:43	9613	
	75.40	Roots Tap Connection, from 6 to 9 o'clock, 15 %, within 8 inch: NO	00:06:07	9614, b	M 2
	81.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:42	9616	
	81.20	Roots Tap Connection, from 2 to 6 o'clock, 20 %, within 8 inch: NO	00:07:17	9617, b	M 2
	90.10	Water Level, 20 %, within 8 inch: NO	00:07:52	9619	M 2
	115.00	Broken Void Visible, from 7 to 5 o'clock, within 8 inch: NO, Start	00:10:17	9620, b	S 5
	117.30	Broken Void Visible, from 7 to 5 o'clock, within 8 inch: NO, End	00:12:27	9624	S 5
	117.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:13:03	9625	
	117.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:13:25	9626	S 3
	119.10	Manhole, within 8 inch: NO, Remarks: 1645-0295	00:14:19	9627	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5233	2500	19	10	29	3.8	2	2.9



Inspection report

Date: 20080718	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1147	PSR: 71335
Total Pipe Length: 264.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/17/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: NORMANDIE AV	Flow Control: Not Controlled	Start MH: 1645-0226
City: ZLAS	Year Renewed	End MH: 1645-0227
Location Code: Sidewalk	Tape/Media #: G312-043	pipe length: 272.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0226/1645-0227/1645	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0226	00:00:37	9710	
	1.00 S1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:04	9711, b	
	1.00 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:15	9713, b	S 3
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:13	9716	M 2
	61.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:27	9717	
	61.10	Roots Tap Connection, from 3 to 6 o'clock, 15 %, within 8 inch: NO	00:03:40	9718, b	M 2
	126.30 F1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:06:05	9720	
	141.70	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:07:02	9721, b	
	185.70	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:08:54	9723	
	206.30	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:09:47	9724, b	M 2
	256.00	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:11:22	9726, b	
	265.60	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:12:18	9728, b	S 2
	268.20 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:13:52	9730	S 3
	269.80	Hole Void Visible, from 7 to 8 o'clock, within 8 inch: NO	00:14:26	9731	S 5
	269.80	Repair Patch, from 8 to 4 o'clock, within 8 inch: NO, Remarks: Cement patch	00:15:08	9732, b	
	269.80	Crack Multiple, from 4 to 8 o'clock, within 8 inch: NO	00:15:36	9734, b	S 3
	272.20	Manhole, within 8 inch: NO, Remarks: 1645-0227	00:16:26	9736	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5133	2300	16	6	22	3.2	2	2.75



Inspection report

Date: 20080722	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1165	PSR: 71341
Total Pipe Length: 270.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/21/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: NORMANDIE AV	Flow Control: Not Controlled	Start MH: 1645-0229
City: ZLAS	Year Renewed	End MH: 1645-0230
Location Code: Sidewalk	Tape/Media #: G312-045	pipe length: 270.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0229/1645-0230/1645	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0229	00:00:42	10156	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:55	10157	M 2
	2.10	Crack Circumferential, from 9 to 10 o'clock, within 8 inch: YES	00:01:28	10158, b	S 1
	2.10	Crack Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:01:46	10160, b	S 1
	2.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:02:00	10162, b	
	9.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:59	10164	
	64.10	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:05:13	10165, b	S 3
	176.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:22	10167, b	S 2
	189.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:10:22	10169	
	216.80	Water Level Sag, 25 %, within 8 inch: NO, Start	00:11:41	10170, b	M 2
	218.00	Roots Fine Joint, from 7 to 2 o'clock, within 8 inch: YES	00:12:17	10172, b	
	236.70	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES, Start	00:13:31	10174, b	
	267.40	Water Level Sag, 25 %, within 8 inch: NO, End	00:15:16	10176	M 2
	267.40	Water Level, 10 %, within 8 inch: NO	00:15:28	10177	M 2
	267.40	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES, End	00:15:49	10178	
	267.40	Joint Offset Medium, within 8 inch: YES	00:16:27	10179	S 1
	267.40	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:16:42	10180	S 2
	267.40	Broken, from 2 to 8 o'clock, within 8 inch: YES	00:17:10	10181, b	S 5
	270.60	Manhole, within 8 inch: NO, Remarks: 1645-0230	00:18:28	10184	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2400	15	8	23	2.14	2	2.09



Inspection report

Date: 20080722	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1167	PSR: 71345
Total Pipe Length: 150.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/21/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: NORMANDIE AV	Flow Control: Not Controlled	Start MH: 1645-0231
City: ZLAS	Year Renewed:	End MH: 1645-0232
Location Code: Sidewalk	Tape/Media #: G312-045	pipe length: 140.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0231/1645-0232/1645	Lining Method:
	Category:

Remark::

1:325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0231	00:00:42	10209	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:56	10210	M 2
	12.80	Joint Offset Medium, within 8 inch: YES	00:01:45	10211, b	S 1
	12.80	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:02:00	10213, b	S 2
	15.70	Surface Aggregate Missing Unknown, from 7 to 5 o'clock, within 8 inch: YES	00:03:09	10215, b	S 4
	21.80	Crack Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:04:13	10217, b	S 3
	21.80	Joint Offset Medium, within 8 inch: YES	00:04:35	10219, b	S 1
	59.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:06:23	10221	
	73.10 S1	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES, Start	00:07:37	10222, b	S 3
	75.90 S2	Joint Offset Medium, within 8 inch: YES, Start	00:08:32	10225, b	S 1
	82.10	Broken, from 8 to 10 o'clock, within 8 inch: YES	00:09:55	10227, b	S 4
	115.30 F2	Joint Offset Medium, within 8 inch: YES, End	00:11:32	10229	S 1
	136.80 F1	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES, End	00:12:28	10230	S 3
	140.40	Manhole, within 8 inch: NO, Remarks: 1645-0232	00:13:22	10231	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4233	2100	23	2	25	2.3	2	2.27



Inspection report

Date: 20080722	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1174	PSR: 68744
Total Pipe Length: 249.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/21/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1700-0239
City: ZLAS	Year Renewed	End MH: 1700-0229
Location Code: Alley	Tape/Media #: G312-045	pipe length: 300.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0229/1700-0239/1700	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0239	00:00:34	10357	
	0.00	Water Level, 10 %, within 8 inch: NO	00:00:49	10358	M 2
	2.90 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:27	10359, b	S 3
	86.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:39	10362	
	88.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:22	10363	
	119.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:21	10364	
	132.80 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:05:50	10365	S 3
	145.80 S2	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES, Start	00:06:25	10366, b	S 3
	146.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:53	10368	
	148.30	Roots Fine Joint, from 8 to 9 o'clock, within 8 inch: YES	00:07:51	10369, b	
	161.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:32	10371	
	207.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:47	10372	
	221.70 S3	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES, Start	00:10:42	10373, b	S 3
	221.70	Surface Spalling, at 1 o'clock, within 8 inch: NO	00:11:14	10375	
	221.70	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:11:31	10376, b	S 3
	221.70	Fracture Circumferential, from 6 to 10 o'clock, within 8 inch: YES	00:12:04	10378, b	S 2
	222.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:53	10380	
	222.70	Broken, from 6 to 8 o'clock, within 8 inch: NO	00:13:39	10381, b	S 4
	223.80 F3	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES, End	00:14:14	10384	S 3
	249.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:05	10385	
	295.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:37	10386	
	296.90 F2	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES, End	00:16:52	10387	S 3
	298.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:06	10388	
	300.50	Manhole, within 8 inch: NO, Remarks: 1700-0229	00:18:25	10389	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4137	2100	27	2	29	3	2	2.9



Inspection report

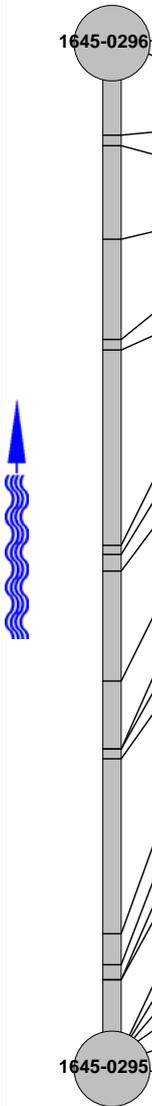
Date: 20080723	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1189	PSR: 71280
Total Pipe Length: 251.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/22/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 0	Flow Control: Not Controlled	Start MH: 1645-0296
City: ZLAS	Year Renewed	End MH: 1645-0295
Location Code: Easement/Right of Way	Tape/Media #: G312-046	pipe length: 256.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0295/1645-0296/1645	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0296	00:00:37	10656	
	<u>0.00</u>	Water Level, 10 %, within 8 inch: NO	00:00:49	10657	M 2
	23.10	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:01:43	10658	
	25.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:06	10659	
	<u>49.10</u> S1	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: NO, Start	00:03:15	10660, b	M 2
	74.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:40	10663	
	76.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:56	10664	
	125.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:34	10665	
	128.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:52	10666	
	<u>132.00</u> F1	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: NO, End	00:07:08	10667	M 2
	<u>159.50</u> S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:14	10668, b	
	176.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:07	10670	
	<u>176.50</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:09:19	10671, b	M 1
	179.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:49	10673	
	<u>222.80</u> F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:11:17	10674	
	230.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:42	10675	
	234.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:12:14	10676, b	
	<u>234.30</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:12:26	10678, b	S 3
	<u>252.60</u> S3	Broken, from 4 to 8 o'clock, within 8 inch: YES, Start	00:14:07	10680, b	S 5
	252.60	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:14:31	10682, b	
	<u>252.60</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:14:47	10684, b	S 4
	<u>252.60</u>	Deformed, 10 %, within 8 inch: NO	00:15:28	10686, b	S 4
	<u>254.40</u> F3	Broken, from 4 to 8 o'clock, within 8 inch: YES, End	00:16:07	10688	S 5
	256.50	Manhole, within 8 inch: NO, Remarks: 1645-0295	00:16:42	10689	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5242	2311	21	7	28	4.2	1.75	3.11



Inspection report

Date: 20080724	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1192	PSR: 68814
Total Pipe Length: 109.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: 0	Flow Control: Not Controlled	Start MH: 1700-0173
City: ZLAS	Year Renewed	End MH: 1700-TRNK
Location Code: Easement/Right of Way	Tape/Media #: G312-047	pipe length: 106.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0173/1700-TRNK/1700	Lining Method:
	Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0173, Buried	00:00:50	10720	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:07	10721	M 2
	41.50	Crack Multiple, from 5 to 11 o'clock, within 8 inch: YES	00:02:51	10722, b	S 3
	46.50	Broken Void Visible, from 7 to 5 o'clock, within 8 inch: YES	00:04:08	10724, b	S 5
	46.50	Crack Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:05:18	10728, b	S 3
	52.70	Deposits Attached Encrustation, from 7 to 10 o'clock, 5 %, within 8 inch: YES	00:05:59	10730, b	M 2
	96.30	Crack Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:07:26	10732, b	S 1
	105.30	Crack Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:08:19	10734, b	S 1
	106.30	Manhole, within 8 inch: NO, Remarks: 1700-TRNK	00:09:02	10736	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	2200	13	4	17	2.6	2	2.43



Inspection report

Date: 20080724	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1195	PSR: 68752
Total Pipe Length: 64.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1700

Street: GEDDES ST	Flow Control: Not Controlled	Start MH: 1700-0238
City: ZLAS	Year Renewed:	End MH: 1700-0240
Location Code: Light Highway	Tape/Media #: G312-047	pipe length: 114.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0238/1700-0240/1700	Lining Method:
	Category:

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1700-0238	00:00:45	10757	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:03	10758	M 2
	2.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:01:41	10759, b	
	2.20 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:59	10761, b	S 3
	17.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:03:07	10763, b	
	62.50 S2	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, Start	00:04:38	10765, b	
	65.70	Hole Soil Visible, from 3 to 5 o'clock, within 8 inch: YES	00:05:30	10767, b	S 5
	65.70	Broken, from 6 to 8 o'clock, within 8 inch: YES	00:06:14	10769, b	S 4
	101.20 F2	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, End	00:07:34	10771	
	110.30 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:08:09	10772	S 3
	114.20	Manhole, within 8 inch: NO, Remarks: 1700-0240	00:08:43	10773	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2100	15	2	17	3.75	2	3.4



Inspection report

Date: 20080724	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1205	PSR: 71570
Total Pipe Length: 250.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1644

Street: CENTURY BV	Flow Control: Not Controlled	Start MH: 1644-0012
City: ZLAS	Year Renewed:	End MH: 1644-0011
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-047	pipe length: 251 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0011/1644-0012/1644	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1644-0011	00:00:48	10866	
	5.50 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:38	10867, b	S 3
	5.50	Joint Offset Medium, within 8 inch: YES	00:02:48	10871, b	S 1
	80.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:40	10873	
	101.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:22	10874	
	152.40	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:08:18	10875, b	S 4
	152.40	Broken, from 7 to 8 o'clock, within 8 inch: NO	00:09:26	10877, b	S 4
	153.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:57	10879	
	194.90 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:11:14	10880	S 3
	201.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:43	10881	
	203.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:12:15	10882, b	S 3
	222.50 S2	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: NO, Start	00:13:11	10884, b	M 2
	225.00 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:13:57	10887, b	S 3
	246.20 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:27	10889	S 3
	246.20 F2	Deposits Attached Grease, from 8 to 4 o'clock, 10 %, within 8 inch: NO, End	00:15:45	10890	M 2
	251.00	Manhole, within 8 inch: NO, Remarks: 1644-0011	00:16:22	10891	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4235	2200	24	4	28	3	2	2.8



Inspection report

Date: 20080623	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1218	PSR: 71575
Total Pipe Length: 291.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/20/2008	Pre-Cleaned: Jetting	Map Grid #: 1644

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1644-0017
City: ZLAS	Year Renewed	End MH: 1644-0018
Location Code: Light Highway	Tape/Media #: R311-001	pipe length: 298.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0017/1644-0018/1644	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1644-0017	00:00:54	58	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:21	59	M 2
	8.30	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:50	60	
	17.30	Crack Multiple, from 1 to 4 o'clock, within 8 inch: YES	00:02:51	61, b	S 3
	18.70	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:27	63	
	29.60	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:05:47	64, b	S 3
	67.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:07:17	66	
	93.80	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:17	67	
	123.00	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:09:25	68, b	S 2
	123.00	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:09:47	70, b	S 1
	124.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:10:26	72	
	153.00	Fracture Multiple, from 8 to 3 o'clock, within 8 inch: YES	00:12:10	73, b	S 4
	154.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:44	75	
	164.50	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:13:18	76, b	S 2
	173.40	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:14:33	78, b	S 1
	179.90	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:15:38	80, b	S 2
	179.90	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:15:51	82, b	S 2
	180.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:16:39	84	
	189.20	Crack Longitudinal, at 3 o'clock, within 8 inch: NO	00:17:12	85, b	S 2
	189.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:17:37	87	



Inspection report

Date: 20080623	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1218	PSR: 71575
Total Pipe Length: 291.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/20/2008	Pre-Cleaned: Jetting	Map Grid #: 1644

1:429	position	observation	MPEG	photo	grade
	202.90	Roots Fine Joint, from 7 to 8 o'clock, within 8 inch: YES	00:18:27	88, b	
	202.90	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:19:06	90, b	S 3
	206.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:19:45	92	
	245.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:21:13	93	
	245.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:21:29	94, b	M 1
	245.90	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:22:09	96, b	S 2
	263.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:23:06	98	
	263.60	Roots Fine Lateral, at 10 o'clock, within 8 inch: NO	00:23:27	99, b	M 1
	271.10	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:24:09	101, b	
	283.70	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:25:05	103, b	S 3
	283.70	Fracture Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:25:38	105, b	S 2
	286.70	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:26:15	107, b	S 2
	298.60	Manhole, within 8 inch: NO, Remarks: 1644-0018	00:27:49	109	



Inspection report

Date: 20080623	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1219	PSR: 71576
Total Pipe Length: 330.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/20/2008	Pre-Cleaned: Jetting	Map Grid #: 1644

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1644-0018
City: ZLAS	Year Renewed	End MH: 1644-0019
Location Code: Light Highway	Tape/Media #: R311-001	pipe length: 299.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0018/1644-0019/1644	Lining Method:
	Category:

Remark::

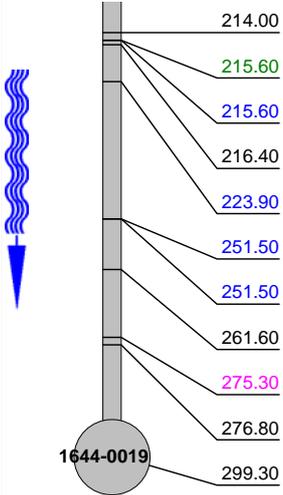
1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1644-0018	00:00:46	110	
	3.00	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:01:30	111, b	S 1
	3.00	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:01:53	113, b	S 2
	9.60	Water Level, 5 %, within 8 inch: NO	00:02:50	115	M 2
	12.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:12	116	
	17.10	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:33	117	
	31.20	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:04:19	118, b	S 2
	31.20	Crack Longitudinal, at 7 o'clock, within 8 inch: YES	00:04:40	120, b	S 2
	47.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:40	122	
	64.00	Roots Fine Joint, from 10 to 3 o'clock, within 8 inch: YES	00:06:33	123, b	
	64.00	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:46	125, b	S 2
	65.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:19	127	
	65.50	Roots Medium Lateral, at 3 o'clock, 45 %, within 8 inch: NO	00:07:40	128, b	M 3
	69.60	Roots Fine Joint, from 9 to 1 o'clock, within 8 inch: YES	00:08:17	130, b	
	94.30	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:09:20	132, b	
	104.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:10:04	134	
	106.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:55	135, b	S 2
	106.20	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:11:07	137, b	S 2
	115.30	Roots Fine Joint, from 11 to 2 o'clock, within 8 inch: YES	00:12:01	139, b	
	142.70	Crack Longitudinal, at 7 o'clock, within 8 inch: YES	00:13:03	141, b	S 2
	142.70	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:13:19	143, b	S 1
	142.70	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:13:33	145, b	S 2
	200.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:50	147, b	S 3



Inspection report

Date: 20080623	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1219	PSR: 71576
Total Pipe Length: 330.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/20/2008	Pre-Cleaned: Jetting	Map Grid #: 1644

1:462	position	observation	MPEG	photo	grade
	<u>214.00</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:16:36	149	
	<u>215.60</u>	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:17:08	150, b	S 1
	<u>215.60</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:17:22	152, b	S 2
	<u>216.40</u>	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:18:05	154	
	<u>223.90</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:18:35	155, b	S 2
	<u>251.50</u>	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:19:53	157, b	S 2
	<u>251.50</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:20:13	159, b	S 2
	<u>261.60</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:20:56	161	
	<u>275.30</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:22:05	162, b	S 4
	<u>276.80</u>	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:22:33	164	
	<u>299.30</u>	Manhole, within 8 inch: NO, Remarks: 1644-0019	00:23:50	165	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	3121	34	5	39	2	2.5	2.05



Inspection report

Date: 20080625	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1242	PSR: 71540
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 107TH ST	Flow Control: Not Controlled	Start MH: 1645-0049
City: ZLAS	Year Renewed:	End MH: 1645-0048
Location Code: Light Highway	Tape/Media #: R311-003	pipe length: 319.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0048/1645-0049/1645	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0049	00:00:28	910	
	5.50	Water Level, 5 %, within 8 inch: NO	00:02:08	911	M 2
	8.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:33	912	
	71.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:08	913	
	138.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:48	914	
	140.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:07	915	
	189.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:25	916	
	215.50	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:08:23	917	
	236.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:05	918	
	269.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:10:03	919	
	312.70	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:11:25	920	
	315.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:42	921	
	316.40	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:12:39	922, b	S 4
	319.30	Manhole, within 8 inch: NO, Remarks: 1645-0048	00:13:43	924	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20080625	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1253	PSR: 71618
Total Pipe Length: 296.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/23/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: VAN NESS AV	Flow Control: Not Controlled	Start MH: 1645-0004
City: ZLAS	Year Renewed	End MH: 1645-0005
Location Code: Light Highway	Tape/Media #: R311-003	pipe length: 261 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0004/1645-0005/1645	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0004	00:00:41	1204	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:22	1205	M 2
	8.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:49	1206	
	103.00	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:03:55	1207, b	
	151.30	Roots Fine Joint, from 8 to 9 o'clock, within 8 inch: YES	00:05:25	1209, b	
	200.00	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:06:53	1211, b	
	205.80	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:07:28	1213, b	
	215.20	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:08:04	1215, b	
	218.30	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:08:35	1217, b	
	221.00	Roots Fine Joint, at 11 o'clock, within 8 inch: YES	00:09:07	1219, b	
	227.20	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:09:42	1221, b	
	236.70	Broken Soil Visible, from 11 to 2 o'clock, within 8 inch: YES	00:11:04	1223, b	S 5
	242.80	Roots Fine Joint, at 8 o'clock, within 8 inch: YES	00:11:52	1225, b	
	245.60	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:12:29	1227, b	
	254.60	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:13:10	1229, b	
	261.00	Manhole, within 8 inch: NO, Remarks: 1645-0005	00:14:03	1231	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2100	5	2	7	5	2	3.5



Inspection report

Date: 20080630	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1292	PSR: 71464
Total Pipe Length: 134.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/27/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: 109TH ST	Flow Control: Not Controlled	Start MH: 1645-TRNK
City: ZLAS	Year Renewed	End MH: 1645-0097
Location Code: Light Highway	Tape/Media #: R311-006	pipe length: 86.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0097/1645-TRNK/1645	Lining Method:
	Category:

Remark::

1:200	position	observation	MPEG	photo	grade
	0.10	Manhole, within 8 inch: NO, Remarks: 1645-TRNK	00:00:25	2013	
	8.90	Water Level, 5 %, within 8 inch: NO	00:01:32	2014	M 2
	13.60	Broken Soil Visible, from 11 to 2 o'clock, within 8 inch: NO	00:02:55	2015, b	S 5
	18.30	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:44	2017	
	73.00	Deposits Attached Encrustation, from 3 to 5 o'clock, 5 %, within 8 inch: YES	00:05:59	2018, b	M 2
	79.00 S1	Deposits Attached Encrustation, from 2 to 7 o'clock, 5 %, within 8 inch: YES, Start	00:06:47	2020, b	M 2
	86.10	Abandoned Survey, within 8 inch: NO, Remarks: Due To Deposits Attached	00:08:19	2022, b	
	86.10 F1	Deposits Attached Encrustation, from 2 to 7 o'clock, 5 %, within 8 inch: YES, End	00:08:51	2024	M 2

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2400	5	8	13	5	2	2.6



Inspection report

Date: 20080701	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1301	PSR: 71453
Total Pipe Length: 252.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/30/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: MANHATTAN PL	Flow Control: Not Controlled	Start MH: 1645-0090
City: ZLAS	Year Renewed	End MH: 1645-0089
Location Code: Light Highway	Tape/Media #: R311-007	pipe length: 299.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0089/1645-0090/1645	Lining Method:
	Category:

Remark::

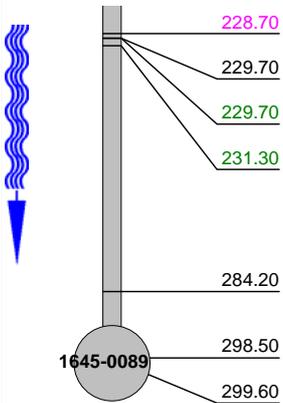
1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0090	00:00:44	2176	
	5.50	Water Level, 5 %, within 8 inch: NO	00:01:08	2177	M 2
	8.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint length 3'	00:01:43	2178	
	13.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:04	2179	
	30.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:50	2180	
	69.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:00	2181	
	81.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:41	2182	
	81.10	Roots Ball Lateral, at 9 o'clock, 80 %, within 8 inch: NO	00:05:00	2183, b	M 4
	82.30	Crack Circumferential, from 12 to 4 o'clock, within 8 inch: YES	00:05:33	2185, b	S 1
	82.30	Roots Medium Joint, from 7 to 11 o'clock, 45 %, within 8 inch: YES	00:06:24	2187, b	
	129.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:07	2189	
	129.60	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:08:38	2190, b	M 1
	131.00	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:15	2192, b	S 2
	131.00	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES	00:09:54	2194, b	S 3
	143.20	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES	00:11:15	2196, b	S 3
	144.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:44	2198	
	178.90	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:13:25	2199, b	S 3
	179.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:55	2201	
	190.90	Fracture Multiple, from 6 to 12 o'clock, within 8 inch: YES	00:15:08	2202, b	S 4
	193.30	Crack Circumferential, from 11 to 3 o'clock, within 8 inch: YES	00:16:23	2204, b	S 1
	194.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:01	2206	
	209.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:47	2207	
	209.00	Roots Fine Connection, at 3 o'clock, within 8 inch: NO	00:18:09	2208, b	M 1



Inspection report

Date: 20080701	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1301	PSR: 71453
Total Pipe Length: 252.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/30/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

1:495	position	observation	MPEG	photo	grade
	<u>228.70</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:19:58	2210, b	S 4
	<u>229.70</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:26	2212	
	<u>229.70</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:20:39	2213, b	M 1
	<u>231.30</u>	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:21:22	2215, b	S 1
	<u>284.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:08	2217	
	<u>298.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:23:52	2218	
	<u>299.60</u>	Manhole, within 8 inch: NO, Remarks: 1645-0089	00:24:33	2219	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4233	4121	22	9	31	2.44	1.8	2.21



Inspection report

Date: 20080702	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1317	PSR: 71469
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/30/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: RUTHELEN AV	Flow Control: Not Controlled	Start MH: 1645-0113
City: ZLAS	Year Renewed	End MH: 1645-0101
Location Code: Light Highway	Tape/Media #: R311-008	pipe length: 298.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0101/1645-0113/1645	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0113	00:00:44	2553	
	7.60	Water Level, 10 %, within 8 inch: NO	00:01:11	2554	M 2
	10.60	Deposits Attached Grease, at 12 o'clock, 5 %, within 8 inch: YES	00:01:37	2555, b	M 2
	16.50	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:15	2557	
	22.20	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:02:41	2558, b	
	22.20	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:02:57	2560, b	S 2
	24.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:38	2562	
	24.30	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:03:51	2563, b	M 1
	25.00	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:04:18	2565, b	
	29.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:47	2567	
	41.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:21	2568	
	87.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:07:01	2569, b	S 4
	89.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:30	2571	
	90.40	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:07:50	2572, b	S 2
	90.40	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:08:02	2574, b	S 2
	111.50	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:09:13	2576, b	S 3
	113.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:46	2578	
	166.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:16	2579	
	175.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:45	2580	
	207.00	Crack Longitudinal, at 5 o'clock, within 8 inch: YES	00:12:51	2581, b	S 2
	207.00	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:13:04	2583, b	S 2



Inspection report

Date: 20080702	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1317	PSR: 71469
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 06/30/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

1:462	position	observation	MPEG	photo	grade
	215.80	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:13:48	2585, b	
	217.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:14	2587	
	217.30	Roots Medium Connection, at 9 o'clock, 45 %, within 8 inch: NO	00:14:38	2588, b	M 3
	218.70	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:15:14	2590, b	
	225.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:49	2592	
	231.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:14	2593	
	243.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:52	2594	
	298.80	Manhole, within 8 inch: NO, Remarks: 1645-0101	00:18:59	2595	



Inspection report

Date: 20080703	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1326	PSR: 71567
Total Pipe Length: 356.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/01/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: WILTON PL	Flow Control: Not Controlled	Start MH: 1645-0075
City: ZLAS	Year Renewed	End MH: 1645-0076
Location Code: Light Highway	Tape/Media #: R311-009	pipe length: 349.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0075/1645-0076/1645	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0075	00:00:42	2788	
	7.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:38	2789	
	8.60	Water Level, 5 %, within 8 inch: NO	00:01:57	2790	M 2
	11.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:22	2791	
	11.90	Crack Circumferential, from 1 to 5 o'clock, within 8 inch: YES	00:02:41	2792, b	S 1
	15.10	Crack Multiple, from 2 to 11 o'clock, within 8 inch: YES	00:04:03	2794, b	S 3
	16.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:35	2796	
	30.40	Crack Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:05:27	2797, b	S 3
	98.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:09	2799	
	107.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:07:37	2800	
	121.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:14	2801	
	124.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:08:34	2802	
	134.70	Fracture Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:09:20	2803, b	S 2
	134.70	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:09:50	2805, b	S 2
	134.70	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:10:13	2807, b	S 2
	205.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:21	2809	
	208.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:41	2810	
	209.50	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:12:59	2811, b	S 2
	209.50	Crack Multiple, from 2 to 4 o'clock, within 8 inch: YES	00:13:33	2813, b	S 3
	236.70	Fracture Longitudinal, at 7 o'clock, within 8 inch: YES	00:15:00	2815, b	S 3
	236.70	Crack Multiple, from 4 to 10 o'clock, within 8 inch: YES	00:15:40	2817, b	S 3
	246.10	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:16:45	2819, b	S 3
	249.00	Fracture Longitudinal, at 7 o'clock, within 8 inch: YES	00:17:23	2821, b	S 3
	249.00	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES	00:18:19	2823, b	S 3



Inspection report

Date: 20080703	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1326	PSR: 71567
Total Pipe Length: 356.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/01/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

1:693	position	observation	MPEG	photo	grade
	325.10	Fracture Multiple, from 10 to 7 o'clock, within 8 inch: YES	00:21:11	2825, b	S 4
	328.00	Crack Multiple, from 3 to 7 o'clock, within 8 inch: YES	00:22:12	2827, b	S 3
	346.90	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:23:05	2829, b	S 2
	349.40	Manhole, within 8 inch: NO, Remarks: 1645-0076	00:24:11	2831	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4139	2100	42	2	44	2.63	2	2.59



Inspection report

Date: 20080707	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1339	PSR: 71551
Total Pipe Length: 294.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/03/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: IMPERIAL HWY	Flow Control: Not Controlled	Start MH: 1645-0060
City: ZLAS	Year Renewed	End MH: 1645-0059
Location Code: Light Highway	Tape/Media #: R311-010	pipe length: 298.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0059/1645-0060/1645	Lining Method:
	Category:

Remark::

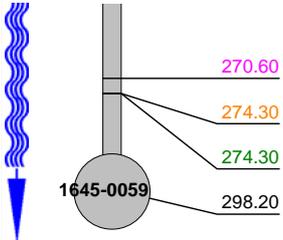
1:561	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0060	00:00:53	3140	
	<u>8.60</u>	Water Level, 5 %, within 8 inch: NO	00:01:46	3141	M 2
	11.80	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:02:09	3142	
	41.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:04	3143	
	<u>41.10</u>	Roots Fine Connection, at 3 o'clock, within 8 inch: NO	00:03:16	3144, b	M 1
	51.60	Roots Fine Joint, from 4 to 5 o'clock, within 8 inch: YES	00:4:10	3146, b	
	<u>54.80</u>	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:04:58	3148, b	S 3
	73.10	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:05:56	3150, b	
	<u>82.90</u>	Crack Spiral, from 7 to 10 o'clock, within 8 inch: YES	00:06:57	3152, b	S 2
	<u>86.40</u>	Crack Multiple, from 3 to 8 o'clock, within 8 inch: YES	00:08:05	3154, b	S 3
	102.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:9:10	3156	
	131.10	Roots Fine Joint, from 2 to 4 o'clock, within 8 inch: YES	00:10:14	3157, b	
	137.20	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:11:20	3159, b	
	<u>137.20</u>	Crack Multiple, from 2 to 6 o'clock, within 8 inch: YES	00:11:48	3161, b	S 3
	144.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:38	3163	
	196.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:02	3164	
	<u>196.10</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:14	3165, b	M 1
	203.70	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:14:56	3167, b	
	<u>203.70</u>	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:15:24	3169, b	S 1
	215.80	Roots Fine Joint, from 8 to 3 o'clock, within 8 inch: YES	00:16:16	3171, b	
	<u>215.80</u>	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:16:33	3173, b	S 1
	217.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:05	3175	
	218.50	Roots Fine Joint, from 2 to 4 o'clock, within 8 inch: YES	00:17:37	3176, b	
	<u>222.00</u>	Crack Multiple, from 8 to 10 o'clock, within 8 inch: YES	00:18:13	3178, b	S 3



Inspection report

Date: 20080707	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1339	PSR: 71551
Total Pipe Length: 294.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/03/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

1:561	position	observation	MPEG	photo	grade
	270.60	Fracture Multiple, from 6 to 2 o'clock, within 8 inch: YES	00:20:40	3180, b	S 4
	274.30	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:21:38	3182, b	S 3
	274.30	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:21:57	3184, b	S 1
	298.20	Manhole, within 8 inch: NO, Remarks: 1645-0059	00:23:33	3186	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4135	2112	24	4	28	2.4	1.33	2.15



Inspection report

Date: 20080708	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1352	PSR: 71623
Total Pipe Length: 279.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/03/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1645-0017
City: ZLAS	Year Renewed	End MH: 1645-0006
Location Code: Light Highway	Tape/Media #: R311-011	pipe length: 248.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0006/1645-0017/1645	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0017	00:00:50	3491	
	2.00	Fracture Multiple, from 1 to 9 o'clock, within 8 inch: YES	00:01:51	3492, b	S 4
	3.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:02:34	3494	
	4.80	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:03:06	3495, b	S 1
	7.60	Deposits Attached Encrustation, from 12 to 4 o'clock, 5 %, within 8 inch: YES	00:03:51	3497, b	M 2
	10.70	Water Level, 5 %, within 8 inch: NO	00:04:19	3499	M 2
	14.00	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:04:46	3500	
	58.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:05	3501	
	109.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:46	3502	
	149.50	Roots Fine Joint, at 8 o'clock, within 8 inch: YES	00:09:24	3503, b	
	162.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:15	3505	
	162.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:10:27	3506, b	M 1
	177.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:17	3508	
	177.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:11:30	3509, b	M 1
	246.00	Fracture Circumferential, from 4 to 7 o'clock, within 8 inch: YES	00:14:10	3511, b	S 2
	248.70	Manhole, within 8 inch: NO, Remarks: 1645-0006	00:15:28	3513	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2212	7	6	13	2.33	1.5	1.86



Inspection report

Date: 20080711	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1388	PSR: 71380
Total Pipe Length: 345.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 07/09/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: WILTON PL	Flow Control: Not Controlled	Start MH: 1645-0141
City: ZLAS	Year Renewed	End MH: 1645-0142
Location Code: Light Highway	Tape/Media #: R311-014	pipe length: 334 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0141/1645-0142/1645	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-0141	00:00:38	4112	
	7.50	Water Level, 10 %, within 8 inch: NO	00:01:32	4113	M 2
	10.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:54	4114	
	73.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:25	4115	
	73.70	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:03:51	4116	
	122.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:11	4117	
	133.90	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:05:55	4118	
	172.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:03	4119	
	190.30	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:08:06	4120	
	224.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:12	4121	
	243.00	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:10:00	4122	
	249.90	Crack Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:10:40	4123, b	S 3
	275.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:08	4125	
	294.10	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:12:52	4126	
	326.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:53	4127	
	331.20	Fracture Multiple, from 3 to 8 o'clock, within 8 inch: YES	00:14:38	4128, b	S 4
	334.00	Manhole, within 8 inch: NO, Remarks: 1645-0142	00:15:39	4130	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	7	2	9	3.5	2	3



Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1454	PSR: 68578
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1701-0150
City: ZLAS	Year Renewed	End MH: 1756-0126
Location Code: Alley	Tape/Media #: A315-003	pipe length: 325.6 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0150/1701-0126/1756	Lining Method:
	Category:

Remark::

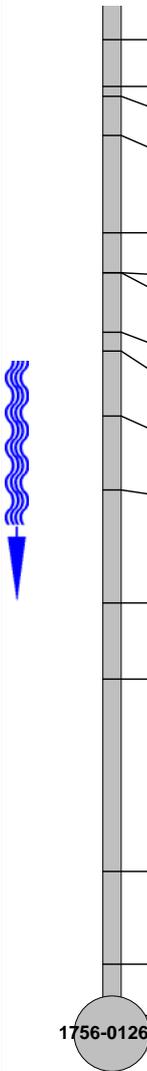
1:363	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0150	00:00:43	729	
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:44	730	M 2
	5.00	Water Mark, 20 %, within 8 inch: NO	00:01:52	731	M 2
	31.40	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:03:18	732, b	S 1
	31.40	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:03:44	734, b	
	38.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:26	736	
	38.50	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:04:38	737, b	M 1
	40.10	Crack Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:05:20	739, b	S 1
	40.10	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:05:48	741, b	
	41.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:21	743	
	67.50	Roots Fine Joint, at 11 o'clock, within 8 inch: YES	00:08:05	744, b	
	70.70	Crack Circumferential, from 7 to 3 o'clock, within 8 inch: YES	00:09:06	746, b	S 1
	73.70	Roots Fine Joint, from 8 to 3 o'clock, within 8 inch: YES	00:09:45	748, b	
	93.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:59	750	
	93.20	Roots Medium Lateral, at 3 o'clock, 5 %, within 8 inch: NO	00:11:14	751	M 3
	101.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:56	752	
	101.90	Roots Medium Lateral, at 9 o'clock, 5 %, within 8 inch: NO	00:12:11	753	M 3
	146.60	Fracture Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:14:46	754, b	S 2
	147.80	Joint Offset Medium, within 8 inch: YES	00:15:19	756, b	S 1
	152.30	Hole Soil Visible, from 10 to 2 o'clock, within 8 inch: NO	00:16:35	758, b	S 5
	152.30	Broken, from 2 to 10 o'clock, within 8 inch: NO	00:16:52	760, b	S 5
	152.80	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:17:42	762, b	S 1
	155.80	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:18:15	764, b	S 1
	161.40	Water Level, 25 %, within 8 inch: NO	00:18:57	766	M 2



Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1454	PSR: 68578
Total Pipe Length: 288.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1701

1:363	position	observation	MPEG	photo	grade
	<u>168.60</u>	Alignment Left, within 8 inch: NO	00:20:19	767, b	M 1
	<u>176.00</u>	Water Level, 15 %, within 8 inch: NO	00:21:03	769	M 2
	<u>177.60</u>	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:21:21	770, b	
	<u>183.80</u>	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:22:10	772, b	S 1
	<u>199.10</u>	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:23:20	774, b	S 1
	<u>205.40</u>	Roots Fine Joint, at 4 o'clock, within 8 inch: YES	00:24:07	776, b	
	<u>205.40</u>	Crack Circumferential, from 10 to 5 o'clock, within 8 inch: YES	00:24:30	778, b	S 1
	<u>214.80</u>	Crack Circumferential, from 12 to 8 o'clock, within 8 inch: YES	00:25:20	780, b	S 1
	<u>217.80</u>	Roots Fine Joint, from 3 to 10 o'clock, within 8 inch: YES	00:26:00	782, b	
	<u>228.10</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:26:43	784	
	<u>239.70</u>	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:27:39	785	
	<u>257.60</u>	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:28:44	786	
	<u>269.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:29:41	787	
	<u>300.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:31:52	788	
	<u>314.70</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:32:45	789	
	<u>322.80</u>	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:35:22	790, b	S 2
	<u>325.60</u>	Manhole, within 8 inch: NO, Remarks: 1756-0126	00:36:30	792	





Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1455	PSR: 63419
Total Pipe Length: 344.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1756

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1756-0126
City: ZLAS	Year Renewed	End MH: 1756-0127
Location Code: Alley	Tape/Media #: A315-003	pipe length: 319.2 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0126/1756-0127/1756	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1756-0126	00:00:47	793	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:36	794	M 2
	6.00	Water Mark, 20 %, within 8 inch: NO	00:01:42	795	M 2
	8.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:13	796, b	S 2
	8.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:38	798, b	S 1
	12.00	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:03:15	800	M 2
	14.60	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:03:36	801, b	M 2
	14.60	Crack Circumferential, from 9 to 11 o'clock, within 8 inch: NO	00:03:54	803, b	S 1
	22.10	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:04:37	805, b	
	37.60	Roots Fine Joint, from 1 to 3 o'clock, within 8 inch: YES	00:05:34	807, b	
	44.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:14	809	
	53.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:47	810	
	55.00	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:07:16	811, b	S 2
	102.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:15	813	
	103.50	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:09:39	814, b	S 1
	110.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:36	816	
	112.20	Crack Circumferential, from 9 to 4 o'clock, within 8 inch: YES	00:11:13	817, b	S 1
	113.90	Broken, from 8 to 5 o'clock, within 8 inch: NO	00:12:09	819, b	S 5
	122.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:13:04	822	
	149.70	Tap Factory Defective, at 2 o'clock, 6", within 8 inch: NO	00:14:21	823, b	M 2
	182.80	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:16:00	825	
	188.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:16:34	826	
	218.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:17:59	827	



Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1455	PSR: 63419
Total Pipe Length: 344.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1756

1:495	position	observation	MPEG	photo	grade
	227.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:18:36	828	
	238.20	Crack Circumferential, from 9 to 5 o'clock, within 8 inch: YES	00:19:13	829, b	S 1
	251.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:20:13	831	
	254.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:20:34	832	
	282.70	Tap Break-in Active, at 12 o'clock, 4", within 8 inch: NO	00:21:44	833, b	
	283.50	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:22:23	835, b	S 1
	287.40	Tap Factory Capped, at 10 o'clock, 6", within 8 inch: NO	00:23:04	837	
	290.00	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:23:25	838	
	297.60	Crack Circumferential, from 11 to 2 o'clock, within 8 inch: YES	00:23:57	839, b	S 1
	319.20	Manhole, within 8 inch: NO, Remarks: 1756-0127	00:25:11	841	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2500	16	10	26	1.6	2	1.73



Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1459	PSR: 68579
Total Pipe Length: 272.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1701

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1701-0151
City: ZLAS	Year Renewed	End MH: 1701-0152
Location Code: Alley	Tape/Media #: A315-003	pipe length: 350.3 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0151/1701-0152/1701	Lining Method:
	Category:

Remark::

1:363	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1701-0151	00:00:36	974	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:43	975	M 1
	3.00	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:01:12	976, b	S 1
	4.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:46	978	
	6.00	Water Level, 5 %, within 8 inch: NO	00:02:23	979	M 2
	6.00	Water Mark, 10 %, within 8 inch: NO	00:02:29	980	M 2
	6.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:43	981	
	24.40	Crack Circumferential, from 1 to 5 o'clock, within 8 inch: YES	00:03:30	982, b	S 1
	33.70	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:04:22	984, b	S 1
	42.60	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:05:12	986, b	S 1
	48.90	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:05:52	988, b	S 1
	52.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:33	990	
	55.30	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:06:57	991, b	M 2
	69.00	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:54	993	S 2
	69.00	Crack Circumferential, from 5 to 10 o'clock, within 8 inch: YES	00:08:25	994	S 1
	78.20	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:09:05	995, b	S 2
	93.20	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:10:12	997, b	S 1
	94.80	Broken, from 3 to 10 o'clock, within 8 inch: YES	00:10:54	999, b	S 5
	96.30	Fracture Circumferential, from 11 to 2 o'clock, within 8 inch: YES	00:11:56	1002, b	S 2
	99.40	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:12:41	1004, b	S 2
	103.40	Tap Factory Defective, at 10 o'clock, 6", within 8 inch: NO	00:13:28	1006	M 2
	106.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:13:50	1007	
	134.80	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:00	1008, b	S 1



Inspection report

Date: 20080616	P.O.#: Y0TV0607C	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1459	PSR: 68579
Total Pipe Length: 272.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: Jetting	Map Grid #: 1701

1:363	position	observation	MPEG	photo	grade
	<u>134.80</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:00	1008, b	S 1
	<u>135.70</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:15:31	1010	
	<u>135.70</u>	Roots Medium Lateral, at 2 o'clock, 15 %, within 8 inch: NO	00:15:45	1011	M 3
	<u>152.50</u>	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:16:43	1012, b	S 1
	<u>153.60</u>	Tap Factory Abandoned, at 10 o'clock, 6", within 8 inch: NO	00:17:21	1014	
	<u>208.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:16	1015	
	<u>210.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:34	1016	
	<u>258.50</u>	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:21:19	1017, b	M 2
	<u>261.20</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:01	1019, b	
	<u>278.00</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:23:23	1021, b	S 1
	<u>312.40</u>	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:25:04	1023	
	<u>313.90</u>	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:25:26	1024, b	S 1
	<u>343.90</u>	Crack Circumferential, from 9 to 4 o'clock, within 8 inch: YES	00:27:17	1026, b	S 1
	<u>350.30</u>	Vermin Cockroach, within 8 inch: NO	00:28:03	1028	M 1
	<u>350.30</u>	Manhole, within 8 inch: NO, Remarks: 1701-0152	00:28:10	1029	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5124	3125	25	15	40	1.47	1.88	1.6



Inspection report

Date: 20080806	P.O.#: YOTV0708G	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1469	PSR: 71526
Total Pipe Length: 310.00	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date: 08/06/2008	Pre-Cleaned: Jetting	Map Grid #: 1645

Street: IMPERIAL HWY	Flow Control: Not Controlled	Start MH: 1645-TRNK
City: ZLAS	Year Renewed:	End MH: 1645-0035
Location Code: Main Highway - Suburban/Rural	Tape/Media #: G312-049	pipe length: 94.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"/10"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0035/1645-TRNK/1645	Lining Method:
	Category:

Remark::

1:225	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1645-TRNK	00:00:44	40	
	0.50	Broken, from 10 to 2 o'clock, within 8 inch: NO	00:01:27	41, b	S 5
	1.50	Joint Offset Medium, within 8 inch: YES	00:02:02	43, b	S 1
	6.00	Water Level, 25 %, within 8 inch: NO	00:02:45	45	M 2
	15.20	Joint Offset Medium, within 8 inch: YES, Start	00:03:33	46, b	S 1
	33.10	Water Level Sag, 35 %, within 8 inch: NO, Start	00:04:47	49, b	M 3
	38.00	Camera Underwater, within 8 inch: NO, Start	00:05:17	51	M 4
	67.60	Water Level Sag, 35 %, within 8 inch: NO, End	00:07:01	52	M 3
	67.60	Water Level, 15 %, within 8 inch: NO	00:07:15	53	M 2
	74.60	Water Level Sag, 25 %, within 8 inch: NO, Start	00:07:58	54, b	M 2
	94.10	Joint Offset Medium, within 8 inch: YES, End	00:09:14	56	S 1
	94.10	Camera Underwater, within 8 inch: NO, End	00:09:30	57	M 4
	94.10	Water Level Sag, 25 %, within 8 inch: NO, End	00:09:45	58	M 2
	94.10	Abandoned Survey, within 8 inch: NO, Remarks: Completes inspection of e	00:10:08	59	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5113	4232	8	22	30	2	2.75	2.5

ENCLOSURE 5:

CCTV Sewer Inspection Project Schedule

Unincorporated South Yard

CCTV PROJECT SCHEDULE

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	STATUS
2005-2006	Y0TV0506B	193,883	COMPLETED
2006-2007	Y0TV0607A	123,540	REPORT PENDING
2007-2008	Y0TV0708G	359,110	COMPLETED
2008-2009	Y0TV0809D	116,855	REPORT PENDING
2009-2010	Y0TV0910A	139,245	REPORT PENDING
2009-2010	Y0TV0910D	300,619	FUTURE PROJECT
2010-2011		278,232	
2011-2012		92,152	
2012-2013		306,486	
2012-2013		106,189	
2012-2013		3,779	
2013-2014		26,580	
2014-2015		69,265	
	TOTAL (FT):	2,115,935	
	TOTAL (MILES)	401	