


July 23, 2009

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations



FROM: Robert Swartz
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0506B**

This memo is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television (CCTV) inspection of 193,883 feet or approximately 9.2 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 (Y0TV0506B)

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

PROJECT NAME:	Y0TV0506B	PROJECT MGR:	Kari Eskridge
PROJECT DATE:	04/20/06-06/12/06	CONTACT NO:	(626) 300-3390
SUP. DISTRICT(s):	2	MAP PAGE(S):	1537,1538,1590,1591,1592,
Report By:	Hanna Kebede	Report Date:	07/23/2009

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 193,883 feet or approximately 9.2 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 Y0TV0506B 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 93.2 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 6.8 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	19,999	10.3	88
2: Good	146,686	75.6	551
3: Fair	14,107	7.3	65
4: Poor	7,176	3.7	33
5: Immediate Attention	5,915	3.1	25
TOTAL	193,883	100.0	762

STRUCTURAL REPORT

Our inspection revealed that approximately 86.6 percent of the inspected pipe segments within the Unincorporated Los Angeles County were free of severe structural defects. However, the remaining 13.4 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 94 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 ninety four segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	121,732	62.8	488
2: Good	6,134	3.2	31
3: Fair	40,051	20.6	149
4: Poor	20,213	10.4	69
5: Immediate Attention	5,753	3.0	25
TOTAL	193,883	100.0	762

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:

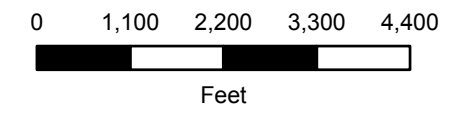
Project Overview Map

ENCLOSURE 1

CCTV PROJECT Y0TV0506B

Supervisorial District 2 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:

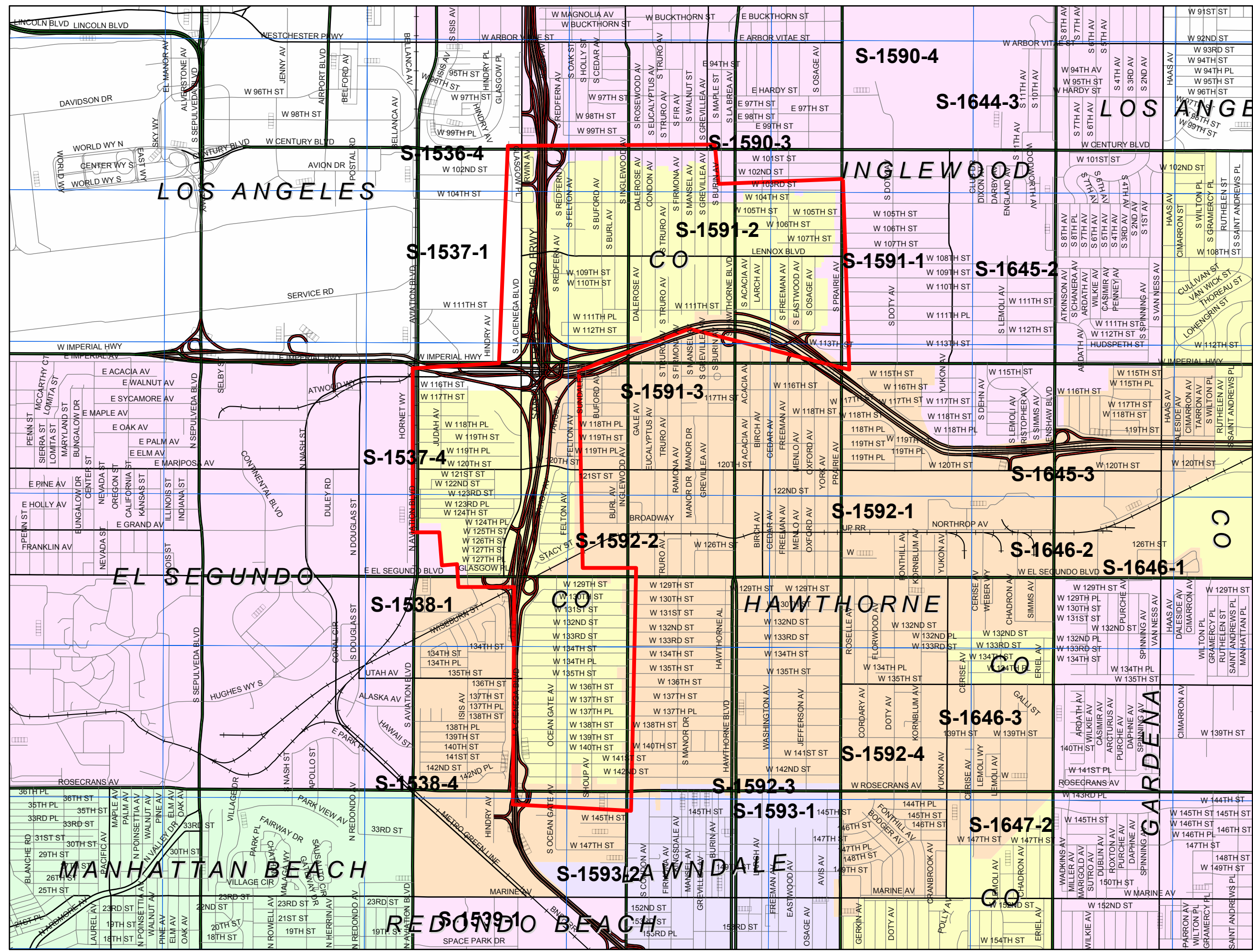
- Trunk Sewerlines
- - - Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH

□ SMD Operations Maps

▭ Y0TV0506B

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JULY 2009



ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE REPORT PRIORITY LIST
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0506B)
as of 06/12/06

ITEM NO.	QMR	Start MH	End MH	Street	Observation	Correction Action Taken
1	5231	1591-0114	1591-0082	AW HAWTHORNE BL	Heavy grease	Hydrojet (completed 05/19/09)
2	5132	1591-0015	1591-0014	106TH ST	Grease	Hydrojet (completed 05/19/09)
3	5132	1591-0123	1591-0124	AW HAWTHORNE BL	Grease	Hydrojet (completed 05/22/09)
4	5131	1590-0035	1591-0209	INGLEWOOD AV	Grease	Hydrojet (completed 05/19/09)
5	5131	1537-0027	1537-0029	REDFERN AV	Grease	Hydrojet (completed 05/21/09)
6	5131	1591-0246	1591-0247	INGLEWOOD AV	Debris	Hydrojet (completed 05/21/09)
7	5131	1592-0018	1592-0019	INGLEWOOD AV	Roots; grease	Hydrojet (completed 06/09/09)
8	5129	1538-0076	1538-0077	130TH ST	Roots	Rodder (completed 05/22/09)
9	5123	1590-0003	1590-0033	FELTON AV	High water mark level	No action needed.
10	5123	1591-0085	1591-TRNK	111TH ST	Intruding tap (12o'clock): 125' from MH 85	Completed 05/19/09
11	5122	1538-0027	1592-0001	138TH ST	Root balls	Rodder (completed 05/19/09)
12	5122	1591-0059	1591-0060	RAVENSWOOD AV	Deposits: settled	Hydrojet (completed 05/20/09)
13	5122	1591-0093	1591-0092	Ease 111TH ST	Deposits attached	Hydrojet (completed 05/19/09)
14	5122	1591-0179	1591-0178	FIRMONA AV	Heavy grease	Hydrojet (completed 05/21/09)
15	5122	1592-0086	1592-0085	137TH PL	Debris: rocks	Hydrojet (completed 05/22/09)
16	5121	1590-0303	1591-0033	FELTON AV	High water level; camera underwater	Hydrojet (completed 05/19/09)
17	5121	1591-0245	1591-0246	INGLEWOOD AV	High water mark level	No action needed.
18	5121	1592-0090	1592-0001	138TH ST	Roots	Rodder (completed 06/18/09)
19	5100	1537-0019	1537-0020	LENNOX BL	Roots	Hydrojet (completed 06/18/09)
20	5100	1537-0014	1537-0015	LENNOX BLVD	Roots	Hydrojet (completed 05/22/09)
21	5100	1537-0013	1537-0014	LENNOX BL	High water level; camera underwater	Hydrojet (completed 05/22/09)
22	5100	1537-0012	1537-0013	Ease LA CIENEGA BL	High water level; camera underwater	Hydrojet (completed 06/23/09)
23	5100	1537-0062	1537-0058	PACIFIC CONCOURSE DR	Debris (Broken pipe)	Hydrojet (completed 05/21/09)
24	5100	1538-0079	1538-0080	129TH ST	Debris (rocks)	Hydrojet (completed 05/21/09)
25	5100	1591-0045	1591-0046	CEDAR AV	Soccer ball (5' from MH 45)	Hydrojet (completed 05/22/09)
26	4H23	1590-0034	1590-0017	INGLEWOOD AV	Grease	Hydrojet (completed 05/19/09)
27	4431	1537-0115	1537-0116	119TH PL	Debris	Hydrojet (completed 05/29/09)
28	4431	1590-0029	1590-0030	MANSEL AV	Roots	Rodder (completed 06/23/09)
29	4232	1591-0078	1591-0079	HAWTHORNE BL	Grease	Hydrojet (completed 06/23/09)
30	4232	1591-0215	1591-0216	INGLEWOOD AV	Roots	Rodder (completed 06/18/09)
31	4231	1592-0060	1592-0059	134TH ST	Grease	Hydrojet (completed 05/21/09)
32	4200	1537-0022	1591-0294	LENNOX BL	High water level; camera underwater	Hydrojet (completed 05/22/09)
33	4134	1592-0055	1592-0056	INGLEWOOD AV	Grease	Hydrojet (completed 05/21/09)
34	4133	1591-0154	1591-0180	LENNOX BL	Grease	Hydrojet (completed 05/19/09)
35	4131	1590-0002	1590-0001	OCEAN GATE	Roots	Rodder (completed 06/23/09)
36	4131	1591-0082	1591-TRNK	111TH ST	Obstacles: rocks; grease	Hydrojet (completed 05/20/09)
37	4123	1591-0127	1591-0126	AW HAWTHORNE BL	Heavy grease	Hydrojet (completed 05/20/09)
38	4123	1591-0285	1591-0284	BURL AV	Heavy grease	Hydrojet (completed 05/20/09)

39	4122	1590-0033	1591-0303	FELTON AV	Debris: gravel	Hydrojet (completed 05:22:09)
40	4122	1590-0030	1590-0029	MANSEL AV	Roots	Hydrojet (completed 06:18:09)
41	4122	1592-0071	1592-0070	135TH ST	Obstacle: clay brick (345' from MH 71)	Hydrojet (completed 05:21:09)
42	4121	1538-0003	1592-0110	142ND ST	Debris (rocks)	Hydrojet (completed 05:21:09)
43	4121	1538-0052	1538-0051	134TH PL	Roots	Rodder (completed 06:09:09)
44	4121	1591-0018	1591-0017	107TH ST	Obstacles: rocks	Hydrojet (completed 05:20:09)
45	4121	1591-0046	1591-0045	CEDAR AV	Debris (rocks, sand)	Hydrojet (completed 05:22:09)
46	4100	1591-0103	1591-TRNK	CENTURY FWY	High water level; grease	Hydrojet (completed 05:20:09)
47	4100	1537-0022	1537-0020	LENNOX BL	High water level	Hydrojet (completed 06:12:09)
48	4100	1537-0019	1537-0015	LENNOX BL	Roots	Hydrojet (completed 05:24:09)
49	4100	1537-0008	1537-0009	Ease 108TH ST	Debris (sand)	Hydrojet (completed 05:28:09)
50	4100	1537-0058	1537-0109	PACIFIC CONCOURSE DR	Roots	Hydrojet (completed 06:23:09)
51	4100	1591-0177	1591-TRNK	FIRMONA AV	High water level; debris	Hydrojet (completed 05:20:09)
52	4100	1591-0312	1591-0311	BUFORD AV	High water level; camera underwater	Hydrojet (completed 05:20:09)
53	4100	1592-0085	1591-0086	17TH PL	High water level; debris	Hydrojet (completed 05:21:09)
54	4100	1591-0178	1591-0179	FIRMONA AV	High water level; debris	Hydrojet (completed 05:20:09)
55	4100	1591-0177	1591-0178	FIRMONA AV	High water level; debris	Hydrojet (completed 05:19:09)
56	4100	1591-0039	1591-0038	FREEMEN AV	High water level; camera underwater	Hydrojet (completed 05:22:09)

The following line segments received a Quick Maintenance Rating of above 4000 due to the observation of Root Ball or Deposit inside the lateral connection. CSMD does not maintain lateral lines: it is the responsibility of the parcel owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. Therefore, these lines were not included on the Priority List above identified with maintenance deficiencies in need of immediate attention by CSMD.

Item No.	QMR	Start MH	End MH	Street	Observation
1	4121	1538-0012	1538-0011	141ST ST	Root ball in lateral connection
2	4121	1538-0052	1538-0053	OCEAN GATE AV	Root ball in lateral connection

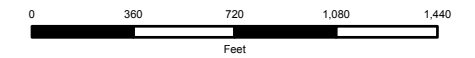
ENCLOSURE 2

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
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

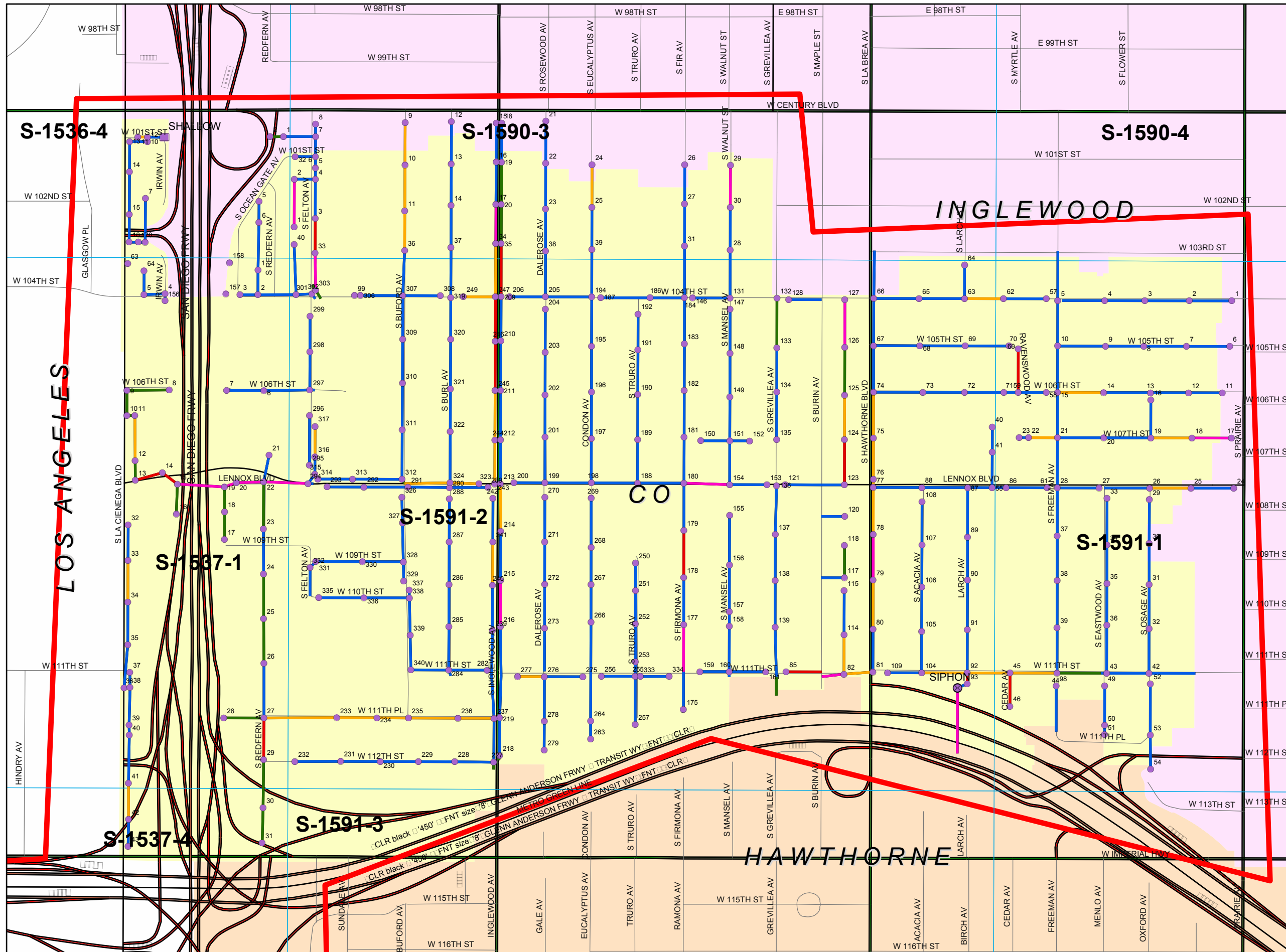
- Standard
- DROP
- Shallow
- Trap
- Siphon

Maintained by Others:

- Trunk Sewerlines
- SMD Pump Stations
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0506B

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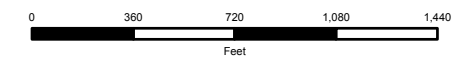
ENCLOSURE 2

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
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

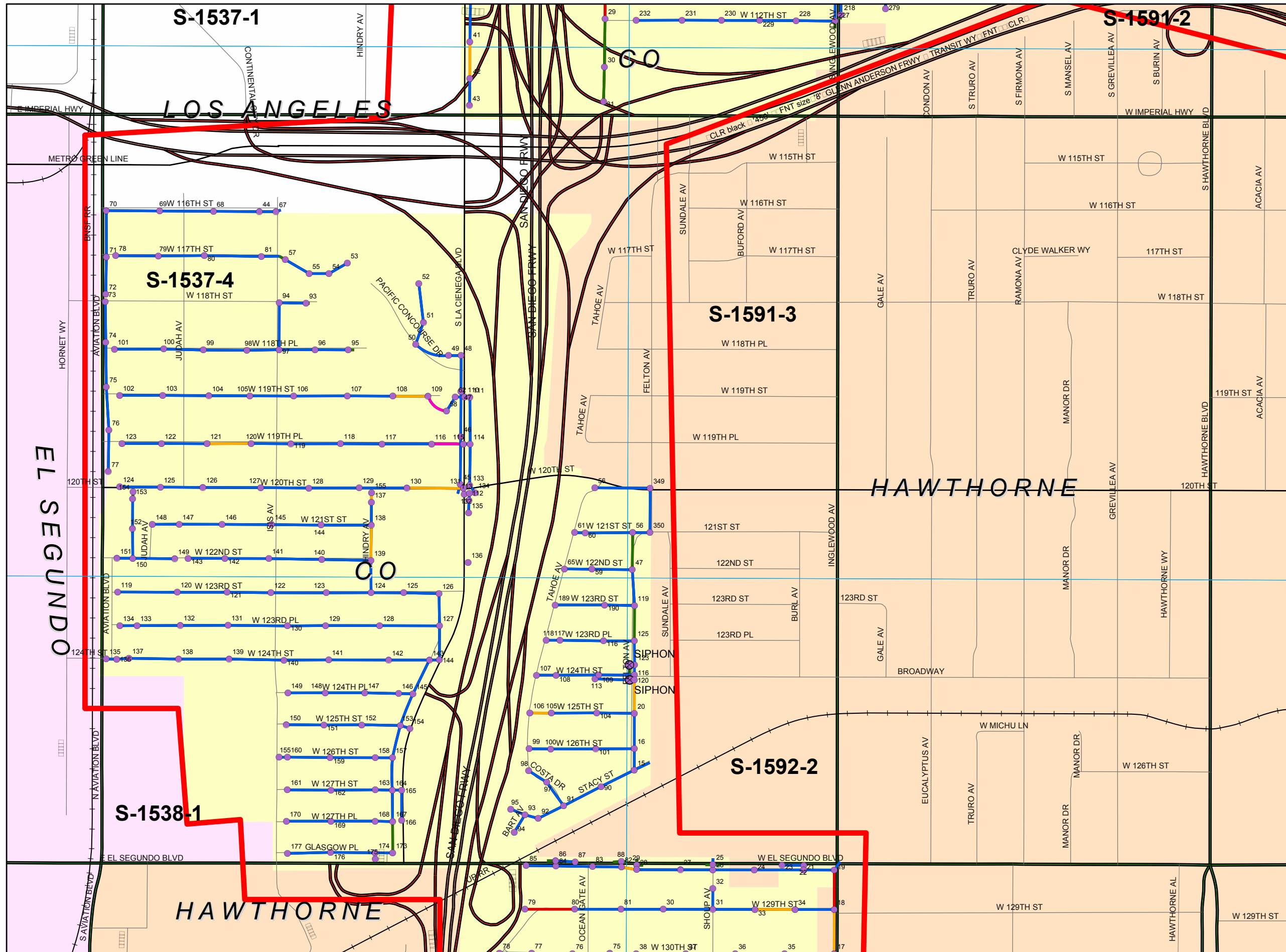
- Other (Circle with dot)
- Manhole Type:
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)

Maintained by Others:

- Trunk Sewerlines (Green dashed line)
- SMD Pump Stations (Red square with 'P')
- SMD Treatment Plants (WTP icon)
- Non SMD Sanitary Sewers (Green dashed line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- Y0TV0506B (Red outline)

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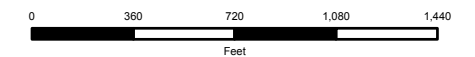
ENCLOSURE 2

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
Unincorporated County

**QUICK
MAINTENANCE
RATING
(QMR)**



Legend

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

SMD Manholes

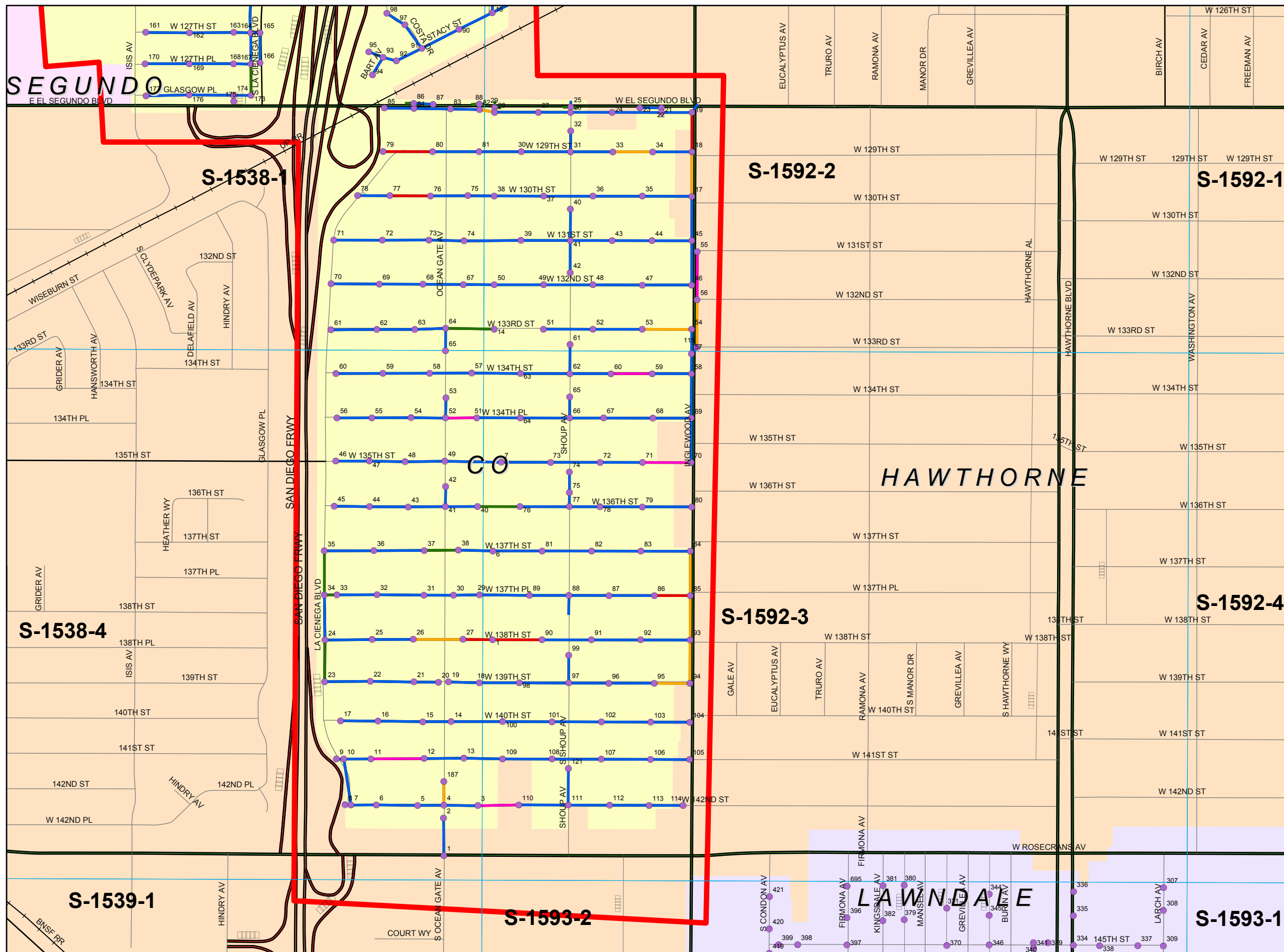
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon

Maintained by Others:

- Trunk Sewerlines
- SMD Pump Stations
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0506B

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ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY OF LOS ANGELES(Y0TV0506B)

as of 06/12/06

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5344	1591-0335	1591-0336	110th St	Hole with soil visible: 7', 161"; fractures and cracks (multiple locations)	Emergency Project (completed 05/09)	
2	5243	1537-0051	1537-0050	Pacific Concourse Dr	Broken □ deformed: 89'	Line has been abandoned. No action needed.	
3	5243	1592-0071	1592-0070	135th St	Hole with soil visible: 344"; fractures and cracks (multiple locations)	Lining: MH to MH	350
4	5242	1592-0026	1592-0025	El Segundo Bl	Broken: 29'; fractures (multiple locations)	Lining: MH to MH	36
5	5200	1591-0292	1591-0291	Lennox Bl	Fractures: 6'	Structural integrity in tact. No action needed.	
6	5200	1537-0062	1537-0058	Lacienega Bl	Broken: 11'	Lining: MH to MH	118
7	5142	1537-0012	1537-0011	Lacienega Bl	Collapse: 250"; fractures and cracks (multiple locations)	Emergency Point Repair (completed: 05/15/06); Lining: MH to MH	350
8	5142	1591-0127	1591-0126	AW Hawthorne Bl	Hole with soil visible: 14'	Lining: MH to MH	331
9	5141	1591-0251	1591-0250	Truro Av	Broken with soil visible: 82'	Lining: MH to MH	300
10	5141	1592-0055	1592-0056	Inglewood Av	Hole with soil visible: 324"; multiple fractures and cracks	Lining: MH to MH	341
11	5141	1538-0065	1538-0064	Ocean Gate Av	Broken: 42"; broken with soil visible: 46"; large joint offset: 73'	Lining: MH to MH	160
12	5141	1591-0287	1591-0288	Burl Av	Broken with soil visible: 19'	Lining: MH to MH	306
13	5141	1538-0146	1538-0145	124th Pl	Broken with soil visible and fractures: 5'	Lining: MH to MH	73
14	5131	1591-307A	1591-307	Buford Av	Broken with soil visible: 23"; broken at End MH	Lining: MH to MH; CSMD to repair base of End MH 1591-0307.	28
15	513B	1538-0174	1538-0176	El Segundo Bl	Hole with soil visible: 230"; fractures and cracks (multiple locations)	Lining: MH to MH	278
16	5122	1591-0218	1591-0219	Inglewood Av	Broken with soil visible: 227"; large joint offset: 162'	Structural integrity in tact. No action needed.	
17	5122	1538-0052	1538-0053	Ocean Gate Av	Broken with soil visible: 27"; large joint offsets: 59', 64'	Lining: MH to MH	142
18	5122	1591-0157	1591-0158	Mansel Av	Broken with soil visible and fractures: 96"; cracks	Lining: MH to MH	100
19	5121	1591-0085	1591-TRNK	111th St	Large joint offset: 37"; broken: 46'	Structural integrity in tact. No action needed.	
20	5111	1592-0070	1592-0069	Inglewood Av	Broken with soil visible and fractures: 20"; cracks	Lining: MH to MH	314
21	5111	1591-0298	1591-0299	Felton Av	Broken: 17'	Structural integrity in tact. No action needed.	
22	5100	1592-0093	1592-0094	Inglewood Av	Hole with soil visible: 12'	Structural integrity in tact. No action needed.	
23	5100	1591-0240	1591-0241	Inglewood Av	Broken (capped with plastic pipe): 221'	Structural integrity in tact. No action needed.	
24	5100	1591-0160	1591-0159	111th St	Hole with soil visible: 94'	Structural integrity in tact. No action needed.	
25	5100	1591-0088	1591-0087	Lennox Bl	Hole with void visible: 34'	Point Repair (Completed 06/09)	
26	4736	1592-0007	1592-0073	135th St	Fractures and cracks (multiple locations)	Lining: MH to MH	350
27	4632	1592-0072	1592-0071	135th St	Fractures and cracks (multiple locations)	Lining: MH to MH	350
28	4631	1592-0052	1592-0053	133rd St	Fractures and cracks (multiple locations)	Lining: MH to MH	350
29	4535	1592-0092	1592-0093	138th St	Fractures and cracks (multiple locations)	Lining: MH to MH	310
30	453C	1538-0176	1538-0177	El Segundo Bl	Fractures and cracks (multiple locations)	Lining: MH to MH	275
31	4433	1592-0082	1592-0083	137th St	Fractures and cracks (multiple locations)	Lining: MH to MH	325
32	4336	1592-0067	1592-0068	134th Pl	Fractures and cracks (multiple locations)	Lining: MH to MH	305
33	4334	1592-0051	1592-0052	133rd St	Fractures and cracks	Structural integrity in tact. No action needed.	
34	4333	1592-0048	1592-0047	132nd St	Fracture: 282"; cracks	Structural integrity in tact. No action needed.	
35	4331	1538-0075	1592-0038	130th St	Fractures: 56', 159'	Structural integrity in tact. No action needed.	
36	433A	1591-0194	1591-0195	Condon Av	Fractures and cracks (multiple locations)	Lining: MH to MH	333
37	4238	1538-0076	1538-0075	130th St	Fracture: 301', 319"; cracks (multiple locations)	Lining: MH to MH	326
38	4237	1538-0131	1538-0130	123rd Pl	Fractures and cracks (multiple locations)	Lining: MH to MH	357
39	4236	1538-0150	1538-0151	125th St	Fractures: 4', 216"; cracks (multiple locations)	Structural integrity in tact. No action needed.	
40	4234	1591-0324	1591-TRNK	Lennox Bl	Fractures and cracks	Structural integrity in tact. No action needed.	
41	4233	1592-0085	1592-0093	Inglewood Av	Fractures and cracks	Structural integrity in tact. No action needed.	
42	4233	1538-0174	1538-0173	El Segundo Bl	Fractures: 51', 82"; cracks	Lining: MH to MH	193
43	4232	1592-0081	1592-0082	137th St	Fractures: 142', 213"; cracks	Structural integrity in tact. No action needed.	
44	4232	1537-0146	1537-0145	121st St	Fractures: 4', 292"; cracks (multiple locations)	Lining: MH to MH	350
45	4231	1592-0018	1592-0017	Inglewood Av	Fractures: 145', 189'	Structural integrity in tact. No action needed.	
46	4231	1591-0336	1591-0338	110th St	Fractures: 37', 74"; cracks (multiple locations)	Lining: MH to MH	328
47	4231	1592-0036	1592-0035	130th St	Fracture: 33', 105"; cracks	Structural integrity in tact. No action needed.	
48	4221	1537-0130	1537-0131	120th St	Broken: 345"; fracture: 332'	Point Repair (Completed 05/09)	
49	4211	1537-0005	1537-0064	Ease □ 104TH ST	Fracture: 33'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY OF LOS ANGELES(Y0TV0506B)

as of 06/12/06

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
50	4200	1591-0181	1591-0180	Firmona Av	Large joint offset: 318'	Structural integrity in tact. No action needed.	
51	4200	1591-0331	1591-0330	109th St	Deformed and multiple fractures: 12'	Lining: MH to MH	322
52	4138	1591-0066	1590-CITY	Hawthorne Bl	Concrete pipe	Lining: MH to MH	334
53	4136	1592-0021	1592-0019	El Segundo Bl	Fracture: 147'; cracks (multiple locations)	Lining: MH to MH	191
54	4136	1592-0024	1592-0021	El Segundo Bl	Fractures and cracks (multiple locations)	Structural integrity in tact. No action needed.	
55	4135	1538-0006	1538-0005	142nd St	Fractures and cracks (multiple locations)	Structural integrity in tact. No action needed.	
56	4135	1592-0068	1592-0069	134th Pl	Cracks (multiple locations)	Lining: MH to MH	262
57	4135	1592-0049	1592-0048	132nd St	Fracture: 232'; cracks (multiple locations)	Structural integrity in tact. No action needed.	
58	4134	1592-0026	1592-0024	El Segundo Bl	Fracture: 207'; cracks (multiple locations)	Structural integrity in tact. No action needed.	
59	4134	1538-0052	1538-0051	134th Pl	Multiple fractures: 110'; cracks (multiple locations)	Lining: MH to MH	259
60	4133	1537-0150	1537-0152	AE Aviation Bl	Multiple fractures: 103'; cracks	Lining: MH to MH	246
61	4133	1538-0138	1538-0139	124th St	Cracks (multiple locations)	Structural integrity in tact. No action needed.	
62	4132	1592-0027	1592-0026	El Segundo Bl	Fracture: 210'; cracks	Structural integrity in tact. No action needed.	
63	4132	1538-0037	1538-0038	137th St	Fracture: 225'; large joint offset: 237'; cracks	Structural integrity in tact. No action needed.	
64	4132	1592-0007	1538-0049	135th St	Fracture: 165'; cracks (multiple locations)	Lining: MH to MH	350
65	4132	1537-0044	1537-0067	116th St	Crack: 51', 118'	Structural integrity in tact. No action needed.	
66	4131	1592-0112	1592-0113	142nd St	Fracture: 185', 301'; crack: 281'	Structural integrity in tact. No action needed.	
67	4131	1591-0252	1591-0253	Truro Av	Fracture: 127'; cracks (multiple locations)	Lining: MH to MH	281
68	4131	1592-0028	1592-0027	El Segundo Bl	Fracture: 0'; crack: 11'	Structural integrity in tact. No action needed.	
69	4131	1592-0069	1592-0058	Inglewood Av	Fracture: 173'	Structural integrity in tact. No action needed.	
70	4131	1592-0103	1592-0104	140th St	Fracture: 175'; crack: 261'	Structural integrity in tact. No action needed.	
71	4131	1591-0158	1591-0160	Mansel Av	Fracture: 87'; crack: 25', 71'	Lining: MH to MH	356
72	4131	1538-0122	1538-0123	123rd St	Fracture: 6'; cracks: 2', 230'	Structural integrity in tact. No action needed.	
73	4131	1538-0161	1538-0162	127th St	Fractures: 273'; cracks (multiple locations)	Lining: MH to MH	280
74	4131	1592-0072	1592-0073	135th St	Fracture: 2'; crack: 127'	Lining: MH to MH	350
75	4131	1537-0125	1537-0126	120th St	Fracture: 6'	Structural integrity in tact. No action needed.	
76	4131	1538-0147	1538-0146	124th Pl	Fracture: 137'	Structural integrity in tact. No action needed.	
77	4122	1591-0332	1591-0331	Felton Av	Fractures and joint offset: 6'	Lining: MH to MH	44
78	4121	1592-0056	1592-0115	Inglewood Av	Fractures: 21'; 248'	Structural integrity in tact. No action needed.	
79	4121	1592-0091	1592-0092	138th St	Fracture: 4'	Structural integrity in tact. No action needed.	
80	4121	1538-0153	1538-0152	125th St	Fractures: 0', 164'	Structural integrity in tact. No action needed.	
81	4121	1592-0037	1592-0038	130th St	Fracture: 289'	Structural integrity in tact. No action needed.	
82	4111	1538-0106	1538-0105	125th St	Fractures: 15'	Structural integrity in tact. No action needed.	
83	4111	1538-0038	1592-0006	137th St	Fracture: 139'	Structural integrity in tact. No action needed.	
84	4100	1591-0214	1591-0213	Inglewood Av	Hole with soil visible :87'	Structural integrity in tact. No action needed.	
85	4100	1591-0319	1590-0037	Burl Av	Hole with soil visible: 106'	Structural integrity in tact. No action needed.	
86	4100	1592-0035	1592-0017	130th St	Fracture: 149'	Structural integrity in tact. No action needed.	
87	4100	1538-0020	1538-0021	139th St	Fracture: 34'	Structural integrity in tact. No action needed.	
88	4100	1592-0028	1592-0029	El Segundo Bl	Fractures: 19'	Structural integrity in tact. No action needed.	
89	4100	1538-0082	1592-0028	El Segundo Bl	Fractures: 146'	Lining: MH to MH	180
90	4100	1536-0016	1537-0063	La Cienega Bl	Fractures: 102'	Structural integrity in tact. No action needed.	
91	4100	1591-0232	1591-0231	112th St	Fracture: 134'	Structural integrity in tact. No action needed.	
92	4100	1591-0278	1591-0279	Daleros Av	Fractures: 68'	Structural integrity in tact. No action needed.	
93	4100	1591-0290	1591-0289	Lennox Bl	Fractures: 13'	Structural integrity in tact. No action needed.	
94	4100	1537-0060	1591-0056	121st St	Fractures: 177'	Structural integrity in tact. No action needed.	

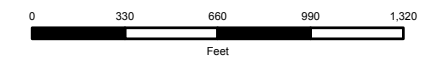
ENCLOSURE 3

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
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

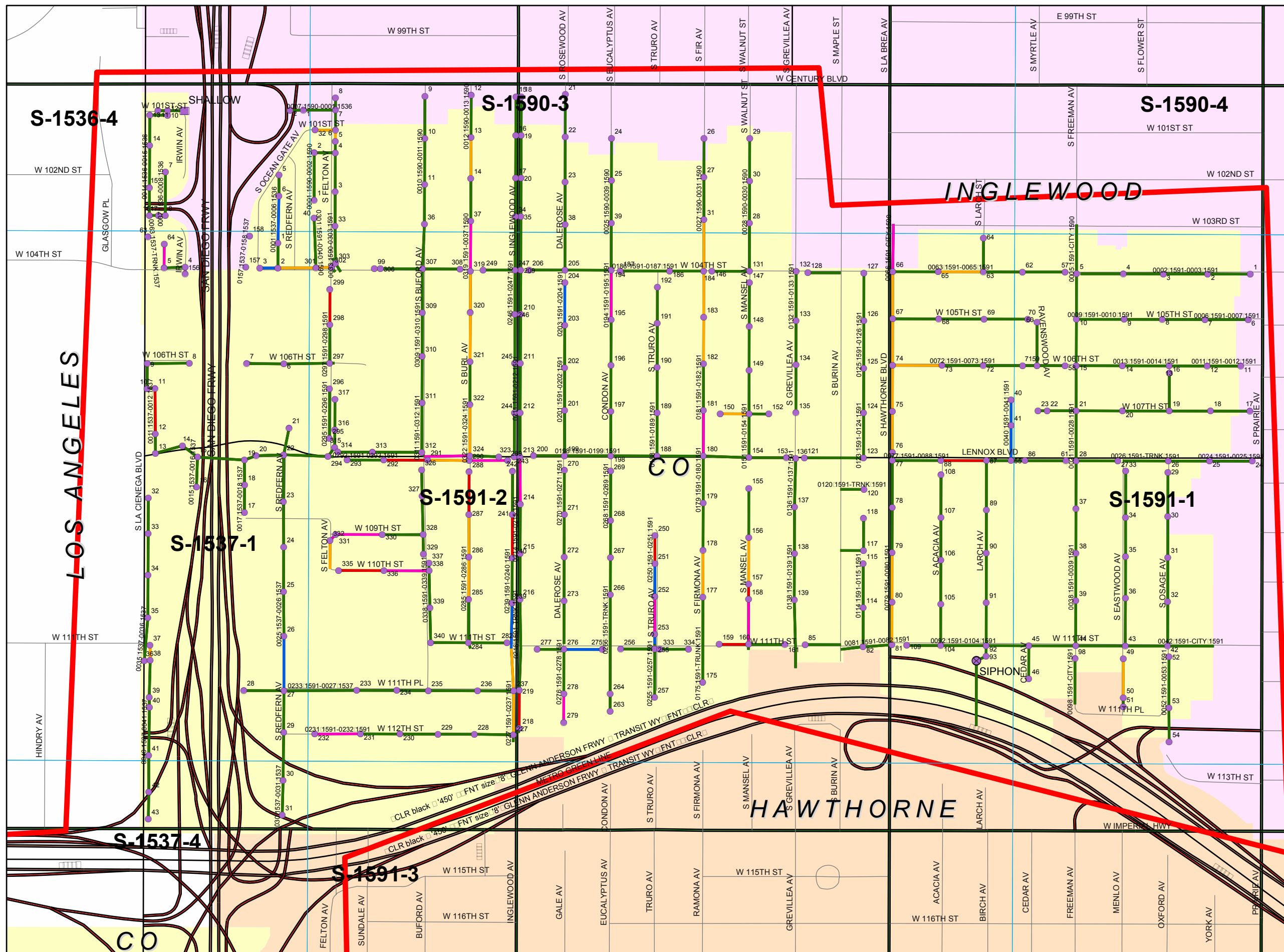
- Standard
- DROP
- Shallow
- Trap
- Siphon

Maintained by Others:

- Trunk Sewerlines
- SMD Pump Stations
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0506B

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JULY 2009



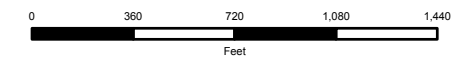
ENCLOSURE 3

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
Unincorporated County

**QUICK
STRUCTURAL
RATING
(QSR)**



Legend

SMD Sanitary Sewers

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

SMD Manholes

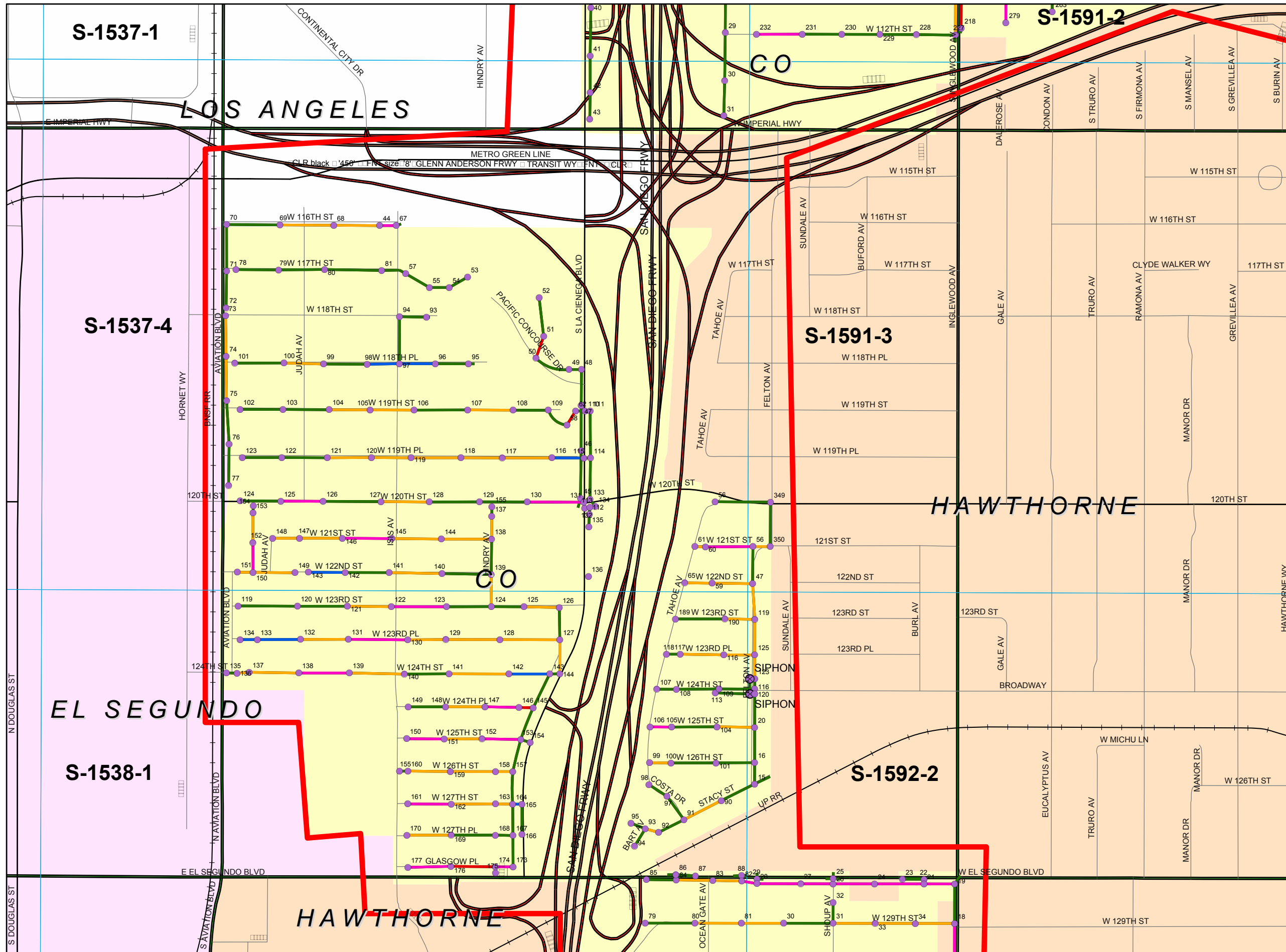
- Other (Circle with dot)
- Standard (Purple circle)
- DROP (Purple triangle)
- Shallow (Purple square)
- Trap (Purple diamond)
- Siphon (Purple circle with cross)

Maintained by Others:

- Trunk Sewerlines (Thick green line)
- SMD Pump Stations (Red square with P)
- SMD Treatment Plants (WTP icon)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- Y0TV0506B (Red outline)

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JULY 2009



S-1537-1

S-1591-2

S-1537-4

S-1591-3

EL SEGUNDO

S-1538-1

S-1592-2

HAWTHORNE

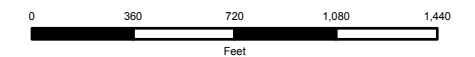
ENCLOSURE 3

CCTV PROJECT

Y0TV0506B

Supervisorial District 2
Unincorporated County

**QUICK
STRUCTURAL
RATING
(QSR)**



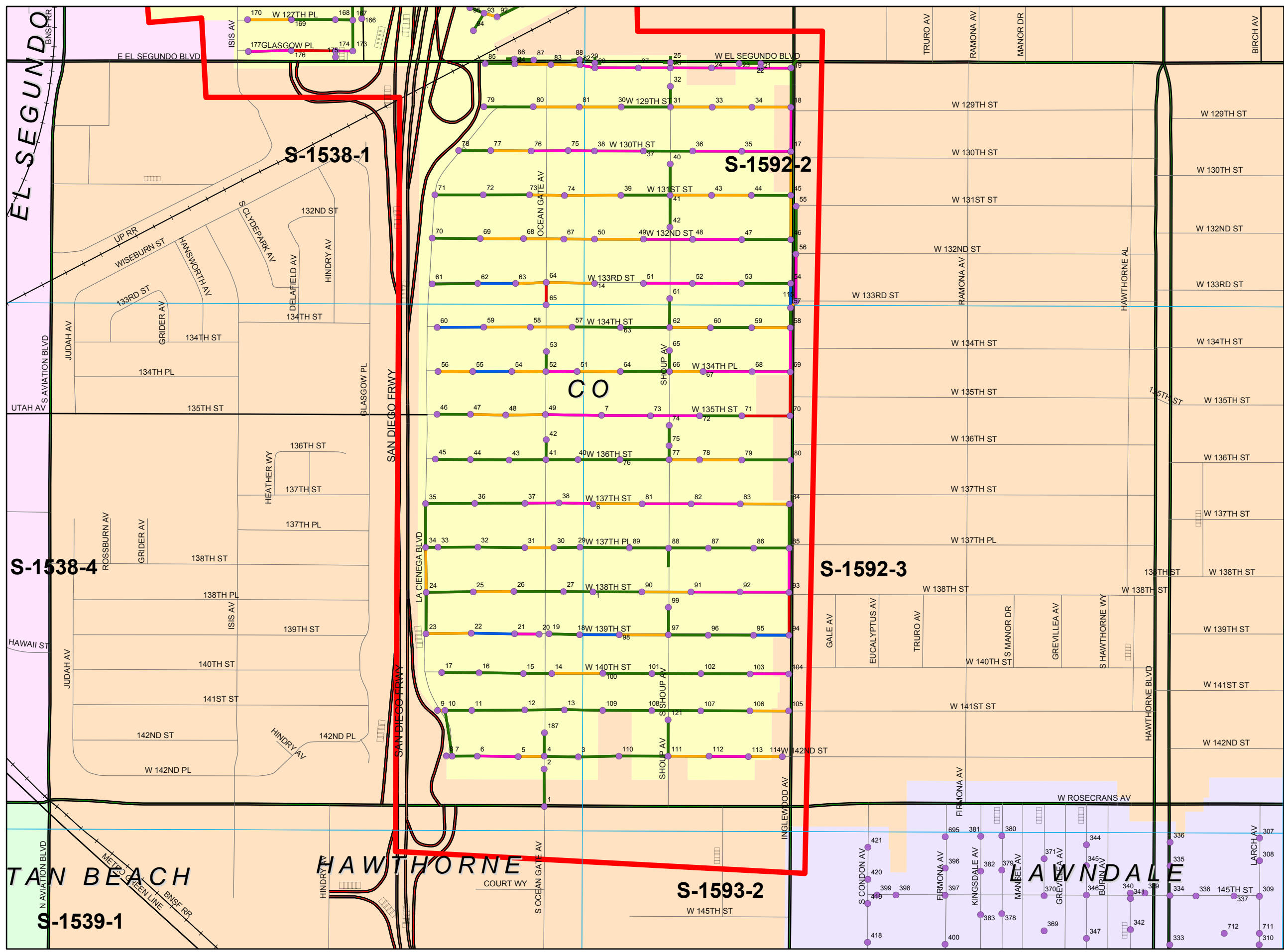
- Legend**
- SMD Sanitary Sewers**
- QSR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION

- SMD Manholes**
- Other
- Manhole Type**
- Standard
 - DROP
 - Shallow
 - Trap
 - Siphon

- Maintained by Others:**
- Trunk Sewerlines
 - SMD Pump Stations
 - SMD Treatment Plants
 - Non SMD Sanitary Sewers
 - Trunk Mh
 - Non SMD Maintained MH
 - SMD Operations Maps
 - Y0TV0506B

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JULY 2009



S-1538-1

S-1592-2

CO

S-1538-4

S-1592-3

S-1593-2

S-1539-1

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 418	PSR: 73706
Total Pipe Length: 320	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: 110TH ST	Flow Control:	Start MH: 1591-0335
City: ZLAS	Year Renewed	End MH: 1591-0336
Location Code: B Main Highway - Suburban Rural	Tape Media # 2	pipe length: 305.93 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0335 1591-0336 1591	Lining Method:
	Category:

Remark::

1:363	position	observation	TIME	photo	grade
	0.00	Manhole, Survey Begins			
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:42		M 2
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:54		M 2
	6.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:14	240a	
	7.32	Hole Soil Visible, from 07 to 09 o'clock, within 8 inch: YES	00:02:00	241a	S 5
	7.32	Roots Ball Joint, from 07 to 09 o'clock, 20 %, within 8 inch: YES	00:02:20	242a	
	8.34	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS 70%	00:02:54	243a	
	25.53	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:03:30	244a	S 3
	31.53	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:04:04	245a	S 3
	34.78	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:04:26	246a	S 2
	37.63	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:02	247a	S 3
	40.89	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:05:36	248a	S 3
	44.14	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:06:06	249a	S 3
	50.34	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:06:29	250a	S 1
	52.89	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:07:03	251a	S 2
	53.40	Crack Circumferential, from 09 to 02 o'clock, within 8 inch: YES	00:07:36	252a	S 1
	54.62	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:53	253a	
	56.75	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES	00:08:45	254a	S 3
	56.75	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:09:06	255a	S 3
	59.09	Fracture Circumferential, from 11 to 01 o'clock, within 8 inch: YES	00:09:46	256a	S 2
	59.70	Fracture Multiple, from 03 to 11 o'clock, within 8 inch: YES	00:10:24	257a	S 4
	63.97	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:59	258a	
	73.33	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:24	259a	
	101.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:01	260a	
	103.64	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:12:29	261a	S 2
	103.64	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:12:44	262a	S 2



Inspection report

Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 418	PSR: 73706
Total Pipe Length: 320	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

1:363	position	observation	MPEG	photo	grade
	103.64	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:12:29	261a	S 2
	103.64	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:12:44	262a	S 2
	115.13	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:13:26	263a	S 4
	115.94	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES	00:13:59	264a	S 3
	115.94	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:14:12	265a	S 3
	154.59	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:12	266a	
	161.92	Fracture Circumferential, from 04 to 08 o'clock, within 8 inch: YES	00:15:54	267a	S 2
	161.92	Hole Void Visible, from 04 to 05 o'clock, within 8 inch: YES	00:16:12	268a	S 5
	162.53	Hole, from 07 to 08 o'clock, within 8 inch: YES	00:16:53	269a	S 4
	162.83	Hole Soil Visible, from 04 to 08 o'clock, within 8 inch: YES	00:17:29	270a	S 5
	163.14	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:17:54	271a	S 2
	163.95	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:13	272a	
	166.09	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:18:35	273a	S 2
	168.83	Joint Offset SLIGHT	00:19:10	274a	S 1
	173.51	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:19:41	275a	
	204.63	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:20:20	276a	
	205.65	Crack Multiple, from 04 to 07 o'clock, within 8 inch: YES	00:20:48	277a	S 3
	206.57	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:21:08	278a	S 2
	260.77	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:22:05	279a	
	270.23	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:22:25	280a	
	271.66	Fracture Circumferential, from 04 to 05 o'clock, within 8 inch: YES	00:22:50	281a	S 2
	272.17	Fracture Circumferential, from 04 to 05 o'clock, within 8 inch: YES	00:23:23	282a	S 2
	272.17	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:23:44	283a	S 2
	279.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:24:09	284a	
	280.51	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:24:46	285a	S 3
	280.51	Crack Longitudinal, at 07 o'clock, within 8 inch: YES	00:25:02	286a	S 2
	281.52	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:25:43	287a	S 4
	305.93	Slight Circular Cracks Throughout Reach 25'	00:26:33		S 1
	305.93	Slight Longitudinal Cracks Throughout Reach 25'	00:26:43		S 2
	305.93	Materials Found-VCV	00:26:54		
	305.93	End of Segment	00:27:06		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5344	2200	96	4	100	2.67	2	2.63


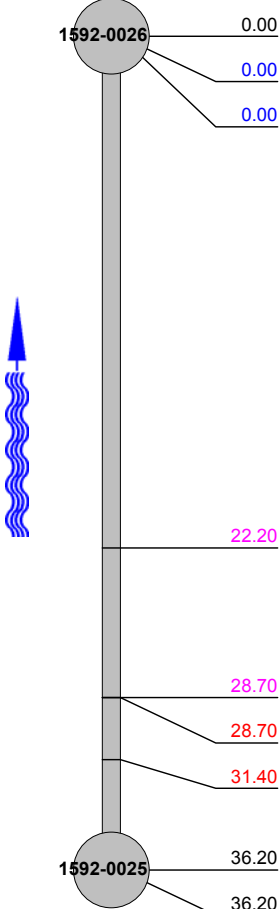



Inspection report

Date: 20060412	P.O.# Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 191	PSR: 73741
Total Pipe Length: 37	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0026
City: ZLAS	Year Renewed:	End MH: 1592-0025
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 36.2 ft
Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8	
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:	
Drain. Area: 0025 1592-0026 1592	Lining Method:	
	Category:	

Remark::

1:100	position	observation	MPEG	photo	grade
 1592-0026	0.00	Downstream Manhole, Survey Begins	00:00:19		
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	22.20	Fracture Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:02:10	2352_4a, b	S 4
	28.70	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:30	2352_5a, b	S 4
	28.70 S1	Broken, from 09 to 03 o'clock, within 8 inch: YES	00:04:17	2352_6a, b	S 5
	31.40	Broken, from 09 to 03 o'clock, within 8 inch: YES, end	00:04:55	2352_7a, b	S 5
	36.20	Materials Found-VCP	00:05:35		
 1592-0025	36.20	End of Segment	00:05:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5242	2200	18	4	22	4.5	2	3.67



Inspection report

Date: 20060418	P.O.☐: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 39	PSR: 77969
Total Pipe Length: 164	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐: 1537

Street: 0	Flow Control:	Start MH: 1537-0051
City: ZLAS	Year Renewed	End MH: 1537-0050
Location Code: G Parking Lot	Tape/Media ☐: 62	pipe length: 237.18 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12 12
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0050 1537-0051 1537	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:44		
	8.54	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:02:05	1435a	
	9.97	Water Level, 10 of cross sectional area, from 05 to 07 o'clock	00:02:26		M 2
	9.97	Water Mark, 15 of cross sectional area, from 04 to 08 o'clock	00:02:35		M 2
	89.30	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:43	1438a	S 4
	91.03	Deformed, 25 ☐	00:05:21	1439a	S 5
	91.03	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:05:37	1440a	S 4
	93.67	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:14	1441a	S 4
	95.40	Broken, from 04 to 08 o'clock, within 8 inch: YES	00:06:42	1442a	S 5
	213.18	Obstacles Other, 5 ☐ of cross sectional area, at 12 o'clock, Remark: ROPE	00:10:02	1443a	M 2
	237.18	Materials Found-VCP	00:10:45		
	237.18	End of Segment	00:10:55		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5243	2300	22	6	28	4.4	2	3.5



Inspection report

Date: 20060414	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 306	PSR: 73794
Total Pipe Length: 311	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: LENNOX BL	Flow Control:	Start MH: 1591-0292
City: ZLAS	Year Renewed	End MH: 1591-0291
Location Code: A Main Highway - Urban	Tape Media # 65	pipe length: 325.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0291 1591-0292 1591	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	6.40	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:01:00	2467 4a, b	S 5
	7.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:52	2467 5a	
	7.50	Broken Void Visible, at 04 o'clock, within 8 inch: YES	00:02:13	2467 6a	S 5
	43.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:14	2467 7a	
	81.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:22	2467 8a	
	137.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:40	2467 9a	
	184.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:55	2467 10a	
	239.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:16	2467 11a	
	325.40	Materials Found-VCP	00:10:36		
	325.40	End of Segment	00:10:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	2200	10	4	14	5	2	3.5



Inspection report

Date: 20060413	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 238	PSR: 73662
Total Pipe Length: 345	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 135TH ST	Flow Control:	Start MH: 1592-0071
City: ZLAS	Year Renewed	End MH: 1592-0070
Location Code: B Main Highway - Suburban Rural	Tape/Media # 63	pipe length: 349.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0070 1592-0071 1592	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	4.90	Fracture Circumferential, from 07 to 09 o'clock, within 8 inch: YES	00:00:55	239904a	S 2
	6.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:28	239905a	
	41.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:02:35	239906a	
	42.90	Fracture Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:03:05	239907a, b	S 2
	53.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:03:53	239908a	
	67.00	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:04:37	239909a, b	S 3
	68.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:05	239910a	
	82.10	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:51	239911a, b	S 4
	84.80	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:06:32	239912a, b	S 4
	86.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:02	239913a	
	109.10	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:07:51	239914a, b	S 3
	110.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:25	239915a	
	114.70	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:59	239916a, b	S 3
	131.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:52	239917a	
	148.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:34	239918a	
	172.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:18	239919a	
	187.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:50	239920a	
	189.20	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:12:25	239921a, b	S 4
	190.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:59	239922a	



Inspection report

Date: 20060413	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 238	PSR: 73662
Total Pipe Length: 345	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:627	position	observation	MPEG	photo	grade
	269.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:14:44	2399□23a	
	281.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:18	2399□24a	
	344.50	Broken, from 10 to 03 o'clock, within 8 inch: YES	00:17:00	2399□25a, b	S 5
	344.50	Broken, from 09 to 03 o'clock, within 8 inch: YES	00:17:36	2399□26a, b	S 5
	345.20	Obstacles Pipe Material, 25 □ of cross sectional area, from 05 to 07 o'clock	00:18:33	2399□27a	M 4
	349.10	Materials Found-VCP	00:19:20		
	349.10	End of Segment	00:19:37		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5243	4122	35	8	43	3.5	2.67	3.31



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 237	PSR: 73661
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0070
City: ZLAS	Year Renewed:	End MH: 1592-0069
Location Code: A Main Highway - Urban	Tape/Media # 57	pipe length: 314.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0069 1592-0070 1592	Lining Method:
	Category:

Remark: _____

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 25 of cross sectional area, from 04 to 08 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	20.00	Broken Void Visible, from 09 to 03 o'clock, within 8 inch: YES	00:01:12	2398-4a, b	S 5
	70.60	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:02:34	2398-5a	
	113.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:40	2398-6a	
	152.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:04:44	2398-7a	
	198.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:05:53	2398-8a	
	246.00	Crack Circumferential, from 09 to 12 o'clock, within 8 inch: YES	00:07:09	2398-9a	S 1
	247.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:40	2398-10a	
	289.00	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:08:51	2398-11a	
	314.50	General Observation GREASE THOURHOUT REACH 90	00:09:45		
	314.50	General Observation CRACKS THROUGHOUT REACH 20	00:10:06		
	314.50	Materials Found-VCP	00:10:17		
	314.50	End of Segment	00:10:31		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2200	6	4	10	3	2	2.5



Inspection report

Date: 20060418	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 247	PSR: 73904
Total Pipe Length: 252	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: 111TH ST	Flow Control:	Start MH: 1591-0085
City: ZLAS	Year Renewed:	End MH: 1591-TRNK
Location Code: B Main Highway - Suburban Rural	Tape Media # 71	pipe length: 125.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0085 1591-TRNK 1591	Lining Method:
	Category:

Remark: _____

1:325	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 ° of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 ° of cross sectional area, from 05 to 07 o'clock			M 2
	7.20	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:01:24	2408□4a	
	10.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:52	2408□5a	
	27.90	Tap Break-In Intruding, at 10 o'clock, 1", 6", 5 °, within 8 inch: NO	00:03:06	2408□6a, b	M 2
	37.60	Joint Offset Large	00:04:00	2408□7a	S 2
	46.30	Broken Void Visible, from 08 to 10 o'clock, within 8 inch: NO	00:05:01	2408□8a, b	S 5
	47.40	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: NO	00:05:47	2408□9a	
	52.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:17	2408□10a	
	70.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:56	2408□11a	
	84.50	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:07:31	2408□12a	
	105.80	Tap Break-In Active, at 12 o'clock, 6", within 8 inch: NO	00:08:31	2408□13a	
	124.80	End of Segment DUE TO BREAK IN	00:10:40		
	125.70	Tap Break-In Intruding, at 12 o'clock, 3", 6", 45 °, within 8 inch: NO	00:10:44	2408□15a, b	M 5

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	5123	7	11	18	3.5	2.75	3



Inspection report

Date: 20060216	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 380	PSR: 73821
Total Pipe Length: 104	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: MANSEL AV	Flow Control:	Start MH: 1591-0157
City: ZLAS	Year Renewed:	End MH: 1591-0158
Location Code: B Main Highway - Suburban Rural	Tap Media # 4	pipe length: 101.5 ft
Reason for inspection: F Routine Assessment		Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary		Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0157 1591-0158 1591		Lining Method:
		Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:29		
	0.00	Water Level, 10 o'clock of cross sectional area, from 05 to 07 o'clock	00:00:39		M 2
	0.00	Water Mark, 10 o'clock of cross sectional area, from 05 to 07 o'clock	00:00:49		M 2
	8.44	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: NO	00:01:06	777a	
	32.44	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:01:37	778a	
	49.73	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:00	779a	
	73.43	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:36	780a	
	74.86	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:04:16	781a	S 2
	76.48	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:51	782a	
	86.76	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:05:44	783a	S 1
	96.32	Broken Soil Visible, from 10 to 02 o'clock, within 8 inch: YES	00:07:32	784a	S 5
	96.42	Fracture Circumferential, from 06 to 12 o'clock, within 8 inch: YES	00:08:33	785a	S 2
	101.50	Materials Found-VCP	00:09:02		
	101.50	End of Segment	00:09:24		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2200	10	4	14	2.5	2	2.33



Inspection report

Date: 20060428	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 321	PSR:
Total Pipe Length: UNKNOWN	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: OCEAN GATE AV	Flow Control:	Start MH: 1538-0052
City: ZLAS	Year Renewed:	End MH: 1538-0053
Location Code: B Main Highway - Suburban Rural	Tape Media # 83	pipe length: 80.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0052 1538-0053 1538	Lining Method:
	Category:

Remark: _____

1:200	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 5 % of cross sectional area, at 06 o'clock			M 2
	0.00	Reversal Inspection	00:00:26		
	27.10	Broken Soil Visible, from 07 to 11 o'clock, within 8 inch: YES	00:01:59	2483-5a, b	S 5
	59.30	Joint Offset Large	00:03:08	2483-6a	S 2
	64.20	Joint Offset Large	00:03:33	2483-7a	S 2
	80.20	Roots Ball Lateral, at 10 o'clock, 25 %, within 8 inch: YES		12905a	M 4

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	4122	9	8	17	3	2.67	2.83



Inspection report

Date: 20060419	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 276	PSR: 73865
Total Pipe Length: 269	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: INGLEWOOD AV	Flow Control:	Start MH: 1591-0218
City: ZLAS	Year Renewed:	End MH: 1591-0219
Location Code: A Main Highway - Urban	Tape/Media # 71	pipe length: 300.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0218 1591-0219 1591	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 0 of cross sectional area			M 2
	0.00	Water Level, 0 of cross sectional area			M 2
	8.90	Fracture Circumferential, from 04 to 05 o'clock, within 8 inch: YES	00:01:31	2437\4a	S 2
	32.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:14	2437\5a	
	40.80	Tap Break-In Active, at 01 o'clock, 6", within 8 inch: NO	00:03:02	2437\6a	
	110.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:40	2437\7a	
	151.60	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:05:51	2437\8a	
	162.70	Joint Separated Large	00:06:44	2437\9a, b	S 2
	199.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:58	2437\10a	
	227.80	Broken Void Visible, from 07 to 01 o'clock, within 8 inch: YES	00:09:14	2437\11a, b	S 5
	234.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:48	2437\12a	
	279.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:51	2437\13a	
	300.90	Materials Found-VCP	00:11:33		
	300.90	End of Segment	00:11:45		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2200	9	4	13	3	2	2.6



Inspection report

Date: 20060213	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 423	PSR:
Total Pipe Length: 18	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: BUFORD AV	Flow Control:	Start MH: 1591-307A
City: ZLAS	Year Renewed:	End MH: 1591-307
Location Code: B Main Highway - Suburban Rural	Tape/Media # 1	pipe length: 28.78 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0307 1591-307A 1591	Lining Method:
	Category:

Remark::

1:75	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:34		
	9.15	Water Level, 10 o'clock of cross sectional area	00:00:55		M 2
	9.15	Water Mark, 10 o'clock of cross sectional area, from 05 to 07 o'clock	00:01:04		M 2
	23.90	Crack Multiple, from 11 to 07 o'clock, within 8 inch: YES	00:01:58		S 3
	23.90	Hole, at 04 o'clock, within 8 inch: YES	00:02:24	123a	S 5
	28.78	Materials Found-VCP	00:03:11		
	28.78	End of Segment	00:03:30	125a, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2200	8	4	12	4	2	3



Inspection report

Date: 20060313	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 574	PSR: 77706
Total Pipe Length: 311	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1538-0174
City: ZLAS	Year Renewed:	End MH: 1538-0176
Location Code: B Main Highway - Suburban Rural	Tape Media # 23	pipe length: 278.37 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0174 1538-0176 1538	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:35		
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:45		M 2
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:55		M 2
	34.17	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:01:46	102a	
	40.58	Deposits Attached Grease, 10 # of cross sectional area, from 04 to 08 o'clock, within 8 inch: YES	00:02:09	103a	M 2
	84.72	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:02:59	104a	S 3
	95.91	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:21	105a	
	152.25	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:04:29	106a	S 3
	160.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:48	107a	
	169.85	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:05:29	108a	S 3
	172.90	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:48	109a	S 2
	185.41	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:06:16	110a	S 3
	189.38	Crack Multiple, from 01 to 03 o'clock, within 8 inch: YES	00:06:40	111a	S 3
	195.89	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:07:00	112a	S 3
	197.82	Fracture Circumferential, from 10 to 01 o'clock, within 8 inch: YES	00:07:24	113a	S 2
	209.51	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:07:55	114a	S 3
	215.11	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:17	115a	
	227.52	Fracture Longitudinal, at 02 o'clock, within 8 inch: YES	00:08:41	116a	S 3
	230.16	Hole Soil Visible, from 01 to 03 o'clock, within 8 inch: YES	00:09:06	117a	S 5
	230.16	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:09:23	118a	S 3
	232.40	Fracture Longitudinal, at 12 o'clock, within 8 inch: NO	00:09:42	119a	S 3
	240.33 S1	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES, start	00:10:19	120a	S 3



Inspection report

Date: 20060313	P.O.☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 574	PSR: 77706
Total Pipe Length: 311	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐ 1538

1:627	position	observation	MPEG	photo	grade
	<u>263.83</u> F1	Fracture Longitudinal, at 12 o'clock, within 8 inch: NO, end	00:10:51		S 3
	<u>271.86</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:21	122a	
	<u>278.37</u>	Slight Longitudinal Cracks Throughout Reach 50☐	00:11:44		S 2
	<u>278.37</u>	Slight Circular Cracks Throughout Reach 50☐	00:11:55		S 1
	<u>278.37</u>	Materials Found-VCP	00:12:03		
	<u>278.37</u>	End of Segment	00:12:17		



Inspection report

Date: 20060313	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 686	PSR: 77798
Total Pipe Length: 101	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: 124TH PL	Flow Control:	Start MH: 1538-0146
City: ZLAS	Year Renewed:	End MH: 1538-0145
Location Code: B Main Highway - Suburban Rural	Tape Media # 22	pipe length: 73.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0145 1538-0146 1538	Lining Method:
	Category:

Remark: _____

1:200	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	5.40	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:01:38	10809a, b	S 4
	6.30	Broken Soil Visible, from 03 to 05 o'clock, within 8 inch: YES	00:02:26	10810a, b	S 5
	29.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:26	10811a	
	31.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:04	10812a	
	73.40	Materials Found, VCP	00:05:55		
	73.40	End of Segment	00:06:10		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	9	4	13	4.5	2	3.25



Inspection report

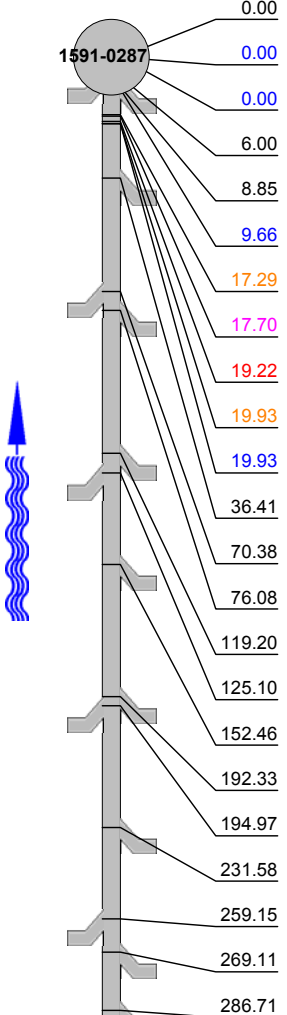
Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 403	PSR: 73791
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: BURL AV	Flow Control:	Start MH: 1591-0287
City: ZLAS	Year Renewed:	End MH: 1591-0288
Location Code: B Main Highway - Suburban Rural	Tape Media # 2	pipe length: 306.14 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0287 1591-0288 1591	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:29		
	<u>0.00</u>	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:48		M 2
	<u>0.00</u>	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock	00:00:58		M 2
	<u>6.00</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:15	452a	
	<u>8.85</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:32	453a	
	<u>9.66</u>	Crack Spiral, from 11 to 05 o'clock, within 8 inch: YES	00:01:51	454a	S 2
	<u>17.29</u>	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:23	455a	S 3
	<u>17.70</u>	Fracture Multiple, from 06 to 07 o'clock, within 8 inch: YES	00:02:45	456a	S 4
	<u>19.22</u>	Broken Soil Visible, from 04 to 08 o'clock, within 8 inch: YES	00:03:18	457a	S 5
	<u>19.93</u>	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:03:37	458a	S 3
	<u>19.93</u>	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:04:00	459a	S 2
	<u>36.41</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:04:28	460a	
	<u>70.38</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:11	461a	
	<u>76.08</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:28	462a	
	<u>119.20</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:19	463a	
	<u>125.10</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:36	464a	
	<u>152.46</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:07	465a	
	<u>192.33</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:47	466a	
	<u>194.97</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:02	467a	
	<u>231.58</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:08:44	468a	
	<u>259.15</u>	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:09:22	469a	
	<u>269.11</u>	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:09:49	470a	
	<u>286.71</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:14	471a	





Inspection report

Date: 20060214	P.O. □: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 403	PSR: 73791
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □: 1591

1:693	position	observation	MPEG	photo	grade
	292.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:30	472a	
	304.10	Tap Break-In Active, at 12 o'clock, 4", within 8 inch: NO	00:10:58	473a	
	306.14	Materials Found-VCP	00:11:17		
	306.14	End of Segment	00:11:30		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	19	4	23	3.17	2	2.88



Inspection report

Date: 20060428	P.O. #: Y0TV0506B	Weather:	Surveyed By: J. NGO	section number: 234	PSR: 77858
Total Pipe Length: 160	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: OCEAN GATE AV	Flow Control:	Start MH: 1538-0065
City: ZLAS	Year Renewed:	End MH: 1538-0064
Location Code: B Main Highway - Suburban Rural	Tape/Media # 83	pipe length: 115.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0064 1538-0065 1538	Lining Method:
	Category:

Remark::

1:300	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 0 % of cross sectional area			M 2
	0.00	Water Level, 0 % of cross sectional area			M 2
	11.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:00:58	2395 4a	
	35.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:36	2395 5a	
	41.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:40	2395 6a	
	42.60	Broken, from 07 to 03 o'clock, within 8 inch: YES	00:03:50	2395 7a, b	S 5
	46.60	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:05:03	2395 8a, b	S 4
	73.30	Joint Offset Large	00:05:58	2395 9a	S 2
	115.60	Materials Found-VCP	00:06:46		
	115.60	End of Segment	00:06:56		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	11	4	15	3.67	2	3



Inspection report

Date: 20060412	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 223	PSR: 73646
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0055
City: ZLAS	Year Renewed:	End MH: 1592-0056
Location Code: A Main Highway - Urban	Tape/Media # 63	pipe length: 341.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0055 1592-0056 1592	Lining Method:
	Category:

Remark::

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
1592-0055	20.50	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:01:26	238414a	S 4
	55.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:32	238415a	
	96.30	Deposits Attached Grease, 5 % of cross sectional area, from 02 to 03 o'clock, within 8 inch: YES	00:03:48	238416a	M 2
	114.40	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:04:35	238417a	S 3
	115.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:05:05	238418a, b	
	128.90	Crack Circumferential, from 09 to 11 o'clock, within 8 inch: YES	00:05:54	238419a	S 1
	129.10	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:06:28	2384110a, b	S 3
	138.50	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:07:25	2384111a, b	S 3
	156.50	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:08:25	2384112a, b	S 3
	170.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:23	2384113a	
	170.00	Deposits Attached Grease, 5 % of cross sectional area, from 02 to 03 o'clock, within 8 inch: YES	00:09:44	2384114a	M 2
	178.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:10:18	2384115a	
	247.70	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:12:02	2384116a	
	275.90	Deposits Attached Grease, 25 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:13:05	2384117a	M 4
	292.70	Tap Factory Made, at 10 o'clock, 6", within 8 inch: NO, Remark: UNKNOWN WITH DEBRIS	00:14:46	2384118a	
	293.80	Deposits Attached Grease, 20 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:15:11	2384119a	M 3
	314.80	Deposits Attached Grease, 20 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: NO	00:15:55	2384120a	M 3
	324.10	Broken Soil Visible, from 04 to 08 o'clock, within 8 inch: YES	00:16:47	2384121a, b	S 5
	327.80	Deposits Attached Grease, 20 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:17:38	2384122a	M 3
	341.20	General Observation 30' THROUGHOUT REACH WITH GREASE ON TOP PORTION OF PIPE	00:18:32		
	341.20	Materials Found-VCP	00:18:43		
	341.20	End of Segment	00:18:57		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	4134	22	22	44	3.14	2.75	2.93



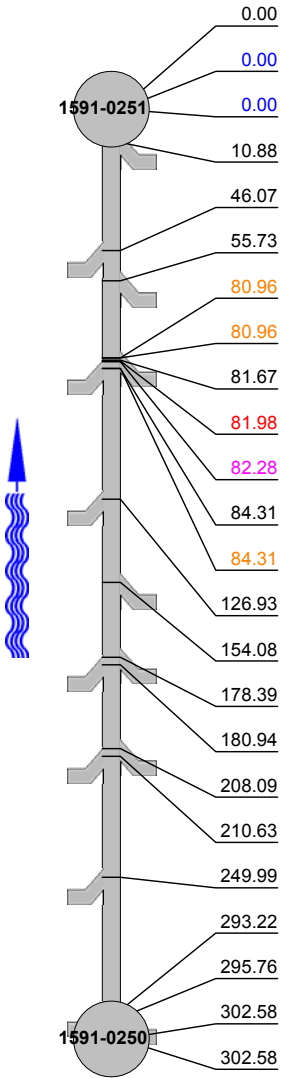
Inspection report

Date: 20060405	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 104	PSR: 73762
Total Pipe Length: 197	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: TRURO AV	Flow Control:	Start MH: 1591-0251
City: ZLAS	Year Renewed:	End MH: 1591-0250
Location Code: B Main Highway - Suburban Rural	Tape Media # 48	pipe length: 302.58 ft

Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0250 1591-0251 1591	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:29		
	<u>0.00</u>	Water Level, 10 of cross sectional area, from 05 to 07 o'clock	00:00:41		M 2
	<u>0.00</u>	Water Mark, 10 of cross sectional area, at 05 o'clock	00:00:50		M 2
	10.88	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:06	395a	
	46.07	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:42	396a	
	55.73	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:02:07	397a	
	<u>80.96</u>	Fracture Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:47	398a	S 3
	<u>80.96</u>	Fracture Longitudinal, at 05 o'clock, within 8 inch: YES	00:03:04	399a	S 3
	81.67	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: CRACKED	00:03:37	400a	
	<u>81.98</u>	Broken Soil Visible, from 05 to 07 o'clock, within 8 inch: YES	00:04:24	401a	S 5
	<u>82.28</u>	Fracture Multiple, from 12 to 08 o'clock, within 8 inch: YES	00:04:53	402a	S 4
	84.31	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACKED	00:05:32	403a	
	<u>84.31</u>	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:05:49	404a	S 3
	126.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:31	405a	
	154.08	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:59	406a	
	178.39	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:07:35	407a	
	180.94	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:55	408a	
	208.09	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:27	409a	
	210.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:44	410a	
	249.99	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:09:29	411a	
	293.22	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:14	412a	
	295.76	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:30	413a	
	302.58	Materials Found-VCP	00:10:48		
	302.58	End of Segment	00:10:55		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	18	4	22	3.6	2	3.14



Inspection report

Date: 20060228	P.O. #: Y0TV0506B	Weather: 3 Light rain	Surveyed By: J.ALEJOS	section number: 357	PSR: 73928
Total Pipe Length: 337	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: 0	Flow Control:	Start MH: 1591-0127
City: ZLAS	Year Renewed:	End MH: 1591-0126
Location Code: H Alley	Tape/Media # 11	pipe length: 84.42 ft

Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0126 1591-0127 1591	Lining Method:
	Category:

Remark: _____

1:225	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:35		
	0.00	Water Level, 15 % of cross sectional area, from 05 to 07 o'clock	00:00:46		M 2
	0.00	Water Mark, 15 % of cross sectional area, from 05 to 07 o'clock	00:00:59		M 2
	17.70	S1 Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES, start	00:03:28	422a	S 4
	19.12	Hole Soil Visible, from 10 to 02 o'clock, within 8 inch: YES	00:03:56	423a	S 5
	20.04	F1 Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES, end	00:04:34	424a	S 4
	23.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:06	425a	
	35.50	Deposits Attached Grease, 10 of cross sectional area, from 04 to 08 o'clock, within 8 inch: YES	00:05:37	426a	M 2
	50.85	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:06:15	427a	
	77.91	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:07:38	428a	
	80.25	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:07:55		
	81.57	S1 Deposits Attached Grease, 25 % of cross sectional area, from 03 to 09 o'clock, within 8 inch: YES	00:08:12	430a	M 4
	84.42	Inspection incomplete due to HEAVY GREASE	00:08:51	431a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	4123	13	10	23	4.33	2.5	3.29



Inspection report

Date: 20060428	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 160	PSR: 78057
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1537

Street: 0	Flow Control:	Start MH: 1537-0012
City: ZLAS	Year Renewed	End MH: 1537-0011
Location Code: A Main Highway - Urban	Tape Media # 83	pipe length: 250.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0011 1537-0012 1537	Lining Method:
	Category:

Remark: :

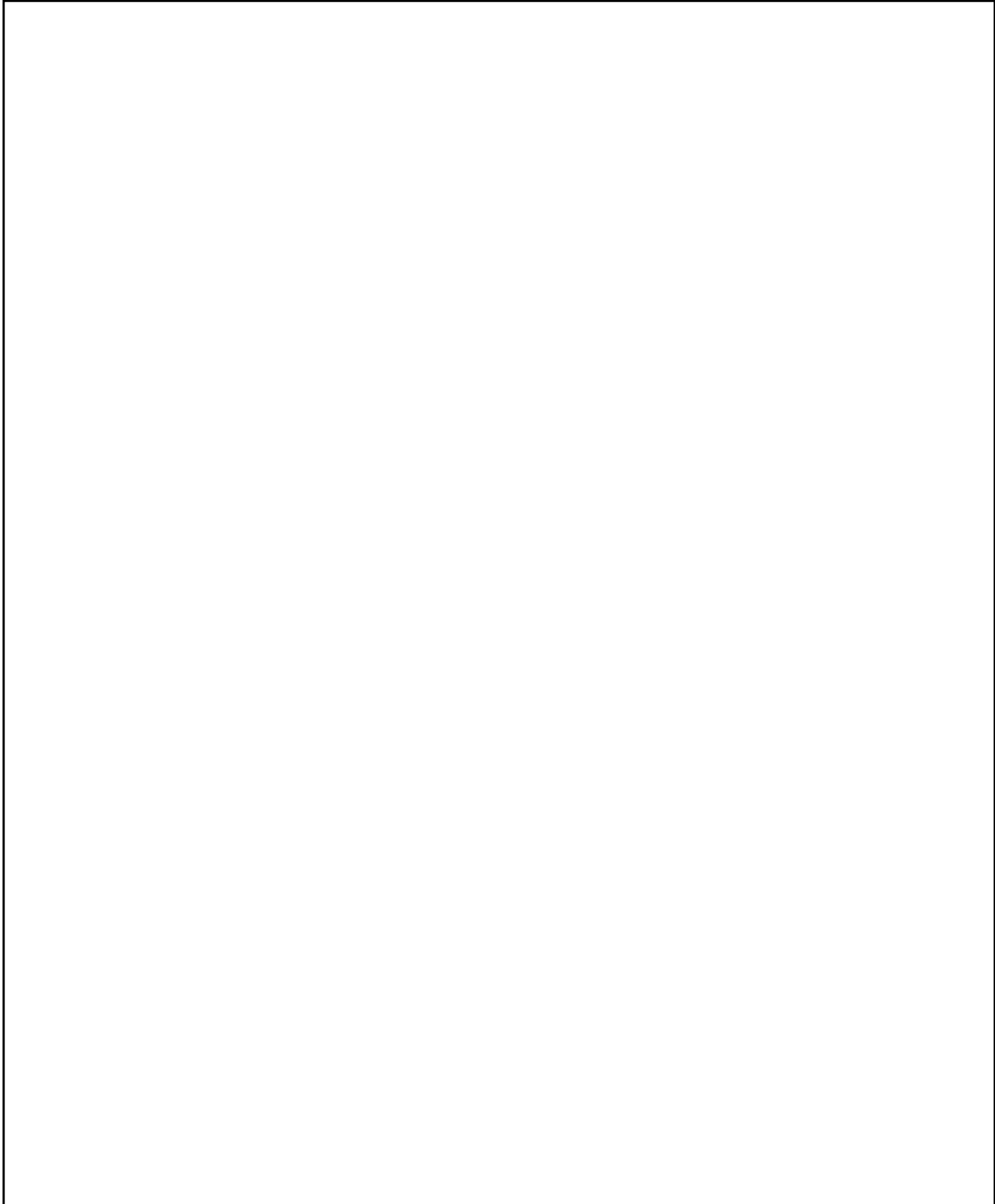
1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Obstacles Pipe Material, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:18	2321 4a	M 2
	7.00	Crack Multiple, from 07 to 08 o'clock, within 8 inch: YES	00:03:43	2321 5a	S 3
	76.00	Crack Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:08:15	2321 6a	S 3
	90.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:55	2321 7a	
	142.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:41	2321 8a	
	190.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:51	2321 9a	
	230.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:49	2321 10a	
	233.30	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:13:11	2321 11a, b	S 3
	246.10	Fracture Multiple, from 09 to 05 o'clock, within 8 inch: YES	00:15:14	2321 12a, b	S 4
	249.60	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:16:16	2321 13a, b	S 4
	250.70	Obstacles Pipe Material, 10 % of cross sectional area, from 05 to 07 o'clock	00:19:02	2321 14a	M 2
	250.70	Collapse Pipe Sewer, 50 %	00:19:54	2321 15a	S 5
	250.70	End of Segment	00:20:21		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	3123	22	9	31	3.67	2.25	3.1



Inspection photos

City: ZLAS	Street: 0	Date: 20060501	section number: 712	PSR: 77976
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Inspection report

Date: 20060405	P.O. □ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 4	PSR: 77932
Total Pipe Length: 212	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □ 1538

Street: 142ND ST	Flow Control:	Start MH: 1538-0006
City: ZLAS	Year Renewed	End MH: 1538-0005
Location Code: B Main Highway - Suburban Rural	Tape Media □ 48	pipe length: 306.34 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0005 1538-0006 1538	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:33		
	0.00	Water Level, 5 □ of cross sectional area, from 05 to 07 o'clock	00:00:45		M 2
	0.00	Water Mark, 5 □ of cross sectional area, from 05 to 07 o'clock	00:00:55		M 2
	3.86	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:50	189a	
	12.71	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:08	190a	
	56.96	Crack Circumferential, from 03 to 04 o'clock, within 8 inch: YES	00:03:01	191a	S 1
	58.18	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:17	192a	
	69.87	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:42	193a	
	83.60	Crack Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:04:15	194a	S 3
	86.65	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:04:42	195a	S 3
	106.69	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:18	196a	
	107.71	Fracture Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:05:44	197a	S 4
	108.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:01	198a	
	113.40	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:06:36	199a	S 3
	119.50	Crack Multiple, from 06 to 10 o'clock, within 8 inch: YES	00:07:08	200a	S 3
	122.56	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:07:41	201a	S 3
	157.64	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:32	202a	
	160.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:52	203a	
	196.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:48	204a	
	223.65	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:30	205a	
	235.45	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:58	206a	
	237.99	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:17	207a	



Inspection report

Date: 20060405	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 4	PSR: 77932
Total Pipe Length: 212	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:627	position	observation	MPEG	photo	grade		
		Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:02	208a			
	306.34	Slight Circular Cracks Throughout Reach 20'	00:12:37		S 1		
	306.34	Materials Found-VCP	00:12:45				
	306.34	End of Segment	00:12:56				
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4135	2200	21	4	25	2.63	2	2.5



Inspection report

Date: 20060412	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 184	PSR: 73738
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0024
City: ZLAS	Year Renewed:	End MH: 1592-0021
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 346.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0021 1592-0024 1592	Lining Method:
	Category:

Remark::

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	11.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:12	234504a	
	13.90	Obstacles Rocks, 5 of cross sectional area, from 05 to 06 o'clock	00:02:14	234505a	M 2
	34.40	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:05:06	234506a	S 1
	71.20	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:06:25	234507a, b	S 3
	72.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:54	234508a	
	127.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:08:47	234509a	
	178.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:04	234510a	
	217.30	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:11:14	234511a, b	S 3
	227.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:50	234512a	
	247.50	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:12:36	234513a	S 1
	269.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:13:33	234514a, b	
	280.80	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:14:18	234515a	S 3
	290.20	Fracture Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:14:58	234516a	S 4
	299.60	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:15:38	234517a, b	S 3
	302.30	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:16:20	234518a, b	S 3
	314.70	Crack Circumferential, from 07 to 09 o'clock, within 8 inch: YES	00:17:08	234519a	S 1
	321.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:17:36	234520a	
	326.60	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: YES	00:18:37	234521a	
	326.60	Crack Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:19:12	234522a	S 3
	346.70	General Observation CRACKS THROUGHOUT REACH 15'	00:20:10		
	346.70	Materials Found-VCP	00:20:21		
	346.70	End of Segment	00:20:35		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	2300	25	6	31	2.5	2	2.38



Inspection report

Date: 20060412	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 177	PSR: 73734
Total Pipe Length: 217	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0021
City: ZLAS	Year Renewed	End MH: 1592-0019
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 191.5 ft
Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8	
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe	Pipe Length:
Drain. Area: 0019 1592-0021 1592	Lining Method:	
	Category:	

Remark: _____

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	7.90	Crack Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:02:06	2338-4a	S 3
	16.90	Crack Multiple, from 04 to 05 o'clock, within 8 inch: YES	00:03:03	2338-5a	S 3
	18.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:44	2338-6a	
	19.60	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:04:44	2338-7a	S 3
	57.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:48	2338-8a	
	115.20	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:08:42	2338-9a	
	147.40	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:23	2338-10a, b	S 4
	150.70	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:11:44	2338-11a	S 3
	153.90	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:12:44	2338-12a, b	S 3
	169.40	Crack Multiple, from 06 to 01 o'clock, within 8 inch: YES	00:14:06	2338-13a	S 3
	191.50	Materials Found-VCP	00:15:22		
	191.50	End of Segment	00:15:44		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	2200	22	4	26	3.14	2	2.89



Inspection report

Date: 20060317	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 537	PSR: 74004
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: HAWTHORNE BL	Flow Control:	Start MH: 1591-0066
City: ZLAS	Year Renewed:	End MH: 1590-CITY
Location Code: A Main Highway - Urban	Tape/Media # 28	pipe length: 334.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12 12
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0066 1591-CITY 1590	Lining Method:
	Category:

Remark::

1:528	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:39		
	<u>0.00</u>	Water Level, 10 o'clock of cross sectional area, from 04 to 08 o'clock	00:00:51		M 2
	<u>0.00</u>	Water Mark, 15 o'clock of cross sectional area, from 04 to 08 o'clock	00:01:01		M 2
	1.00	Material Change, Remark: CONCRETE	00:02:00	655a	
	<u>9.26</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:02:44	656a	S 2
	<u>11.70</u>	Broken, from 10 to 01 o'clock, within 8 inch: YES	00:03:17	657a	S 4
	12.10	Material Change, Remark: VCP	00:03:38	658a	
	19.02	Material Change, Remark: CONCRETE	00:04:14	659a	
	<u>24.21</u>	Crack Multiple, from 09 to 11 o'clock, within 8 inch: YES	00:04:38	660a	S 3
	<u>27.46</u>	Crack Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:05:04	661a	S 3
	35.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRI	00:05:32	662a	
	<u>39.46</u>	Crack Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:05:54	663a	S 3
	<u>57.57</u>	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:37	664a	S 3
	<u>69.87</u>	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:07:13	665a	S 3
	81.06	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:42	666a	
	<u>88.28</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:08:10	667a	S 2
	105.77	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:48	668a	
	<u>112.49</u>	Crack Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:09:10	669a	S 3
	<u>116.86</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:09:28	670a	S 2
	132.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:59	671a	
	157.24	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:46	672a	
	184.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:33	673a	
	<u>192.02</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:11:56	674a	S 2
	208.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:27	675a	



Inspection report

Date: 20060317	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 537	PSR: 74004
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

1:528	position	observation	MPEG	photo	grade
	236.16	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:14	676a	
	257.72	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:47	677a	
	267.28	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:14:12	678a	S 3
	285.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:21	679a	
	319.76	Crack Multiple, from 10 to 12 o'clock, within 8 inch: YES	00:16:43	680a	S 3
	334.10	Slight Circular Cracks Throughout Reach 30'	00:17:38		S 1
	334.10	Slight Longitudinal Cracks Throughout Reach 45'	00:17:53		S 2
	334.10	Materials Found-VCP, CONCRETE	00:18:09		
	334.10	End of Segment	00:18:20		



Inspection report

Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 415	PSR: 73702
Total Pipe Length: 330	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: 109TH ST	Flow Control:	Start MH: 1591-0331
City: ZLAS	Year Renewed:	End MH: 1591-0330
Location Code: B Main Highway - Suburban Rural	Tape Media # 2	pipe length: 322.51 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0330 1591-0331 1591	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	12.20	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:02:22	365a	S 4
	12.20	Deformed, 5	00:03:29	366a	S 4
	18.92	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:04:09	367a	
	21.36	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:04:37	368a	
	69.97	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:59	369a	
	72.72	Tap Factory Made Active, at 10 o'clock, 5", within 8 inch: NO	00:06:25	370a	
	114.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:28	371a	
	120.62	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:08:14	372a	
	154.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS 90°	00:09:35	373a	
	156.42	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:28	374a	
	189.99	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:11:37	375a	
	192.43	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:12:13	376a	
	235.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:21	377a	
	237.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:51	378a	
	277.66	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:02	379a	
	280.20	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:15:44	380a	
	310.61	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:50	381a	
	313.36	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:42	382a	
	322.51	Materials Found-VCP	00:18:17		
	322.51	End of Segment	00:18:36		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	2200	8	4	12	4	2	3



Inspection report

Date: 20060215	P.O. □: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 391	PSR: 73832
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □: 1591

Street: FIRMONA AV	Flow Control:	Start MH: 1591-0181
City: ZLAS	Year Renewed:	End MH: 1591-0180
Location Code: B Main Highway - Suburban Rural	Tape Media □: 3	pipe length: 318.85 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0180 1591-0181 1591	Lining Method:
	Category:

Remark: :

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:26		
	0.00	Water Level, 15 □ of cross sectional area, from 04 to 08 o'clock	00:00:36		M 2
	0.00	Water Mark, 15 □ of cross sectional area, from 04 to 08 o'clock	00:00:45		M 2
	10.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:02	632a	
	16.07	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:22	633a	
	64.58	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:02:11	634a	
	85.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:02:37	635a	
	97.43	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:03:00	636a	
	107.91	Fracture Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:03:27	637a	S 4
	121.54	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:59	638a	
	124.28	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:04:15	639a	
	166.59	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:00	640a	
	172.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:21	641a	
	218.16	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:09	642a	
	226.91	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:31	643a	
	228.02	Roots Fine Joint, at 02 o'clock, within 8 inch: YES	00:06:48	644a	
	289.25	Roots Medium Joint, from 09 to 03 o'clock, 5 □, within 8 inch: YES	00:07:59	645a	
	310.92	Roots Medium Joint, at 01 o'clock, 5 □, within 8 inch: YES	00:08:32	646a	
	318.14	Repair Point Defective, from 04 to 08 o'clock, within 8 inch: YES	00:09:54	647a	S 4
	318.85	Inspection incomplete due to SEVERE OFFSET	00:11:01	648a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	2200	8	4	12	4	2	3



Inspection report

Date: 20060425	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 146	PSR: 78051
Total Pipe Length: 340	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1537

Street: 0	Flow Control:	Start MH: 1537-0005
City: ZLAS	Year Renewed:	End MH: 1537-0064
Location Code: A Main Highway - Urban	Tape Media # 77	pipe length: 173.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0005 1537-0064 1537	Lining Method:
	Category:

Remark: _____

1:425	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:01:05		
	0.00	Water Mark, 10 □ of cross sectional area, from 04 to 08 o'clock			M 2
	0.00	Water Level, 10 □ of cross sectional area, from 05 to 07 o'clock	00:00:02		M 2
	33.30	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:02:15	2307\4a, b	S 4
	33.90	Fracture Multiple, from 04 to 07 o'clock, within 8 inch: YES	00:02:45	2307\5a, b	S 4
	44.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:29	2307\6a	
	46.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:48	2307\7a	
	84.60	Crack Circumferential, from 07 to 12 o'clock, within 8 inch: YES	00:05:06	2307\8a, b	S 1
	94.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:44	2307\9a	
	97.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:06	2307\10a	
	116.30	Roots Tap Joint, at 08 o'clock, 5 □, within 8 inch: YES	00:06:52	2307\11a	
	148.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:40	2307\12a	
	149.00	Roots Ball Joint, from 02 to 05 o'clock, 10 □, within 8 inch: NO	00:08:00	2307\13a	
	151.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:21	2307\14a	
	173.20	Materials Found-VCP	00:09:03		
	173.20	End of Segment	00:09:25		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4211	2200	9	4	13	3	2	2.6



Inspection report

Date: 20060417	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 82	PSR: 77902
Total Pipe Length: 329	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1537

Street: 120TH ST	Flow Control:	Start MH: 1537-0130
City: ZLAS	Year Renewed	End MH: 1537-0131
Location Code: A Main Highway - Urban	Tape: Media # 60	pipe length: 355.87 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0130 1537-0131 1537	Lining Method:
	Category:

Remark::

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:25		
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:40		M 2
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:52		M 2
	26.24	Obstacles Construction Debris, 15 # of cross sectional area, from 04 to 07 o'clock	00:01:36	1395a	M 3
	50.34	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:11	1396a	
	55.94	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:29	1397a	
	154.69	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:25	1398a	
	207.58	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:41	1399a	
	260.16	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:43	1400a	
	281.32	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:15	1401a	
	332.78	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:39	1402a	S 4
	332.78	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:08:54	1403a	S 4
	341.33	Joint Offset Medium, from 04 to 08 o'clock	00:10:03	1404a	S 1
	345.19	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:10:35	1405a	S 2
	355.87	End of Segment	00:11:21		
	355.87	Light DEBRI Throughout Reach 40 #	00:11:05		M 2
	355.87	Materials Found-VCP	00:11:26		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4221	3123	11	9	20	2.75	2.25	2.5



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 659	PSR: 73690
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 130TH ST	Flow Control:	Start MH: 1592-0036
City: ZLAS	Year Renewed:	End MH: 1592-0035
Location Code: B Main Highway - Suburban Rural	Tape Media # 33	pipe length: 326.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0035 1592-0036 1592	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	22.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:00:53	2826#4a	
	33.50	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:01:39	2826#5a, b	S 4
	34.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:12	2826#6a	
	46.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:02:49	2826#7a	
	85.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:45	2826#8a	
	105.40	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:04:30	2826#9a, b	S 4
	106.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:00	2826#10a	
	120.30	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:05:40	2826#11a, b	S 3
	121.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:10	2826#12a	
	145.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:07:02	2826#13a	
	169.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:44	2826#14a	
	190.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:24	2826#15a	
	220.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:12	2826#16a	
	229.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:48	2826#17a	
	268.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:46	2826#18a	
	289.70	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:11:38	2826#19a	
	307.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:40	2826#20a	
	319.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:12	2826#21a	
	326.40	Materials Found-VCP	00:13:45		
	326.40	End of Segment	00:13:59		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2200	11	4	15	3.67	2	3



Inspection report

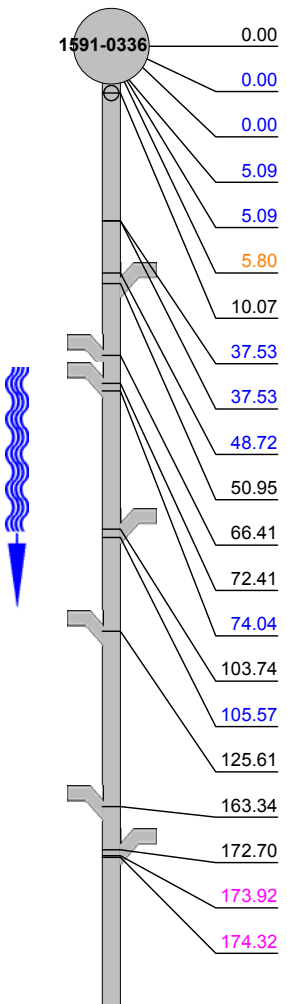
Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 419	PSR: 73707
Total Pipe Length: 321	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: 110TH ST	Flow Control:	Start MH: 1591-0336
City: ZLAS	Year Renewed:	End MH: 1591-0338
Location Code: B Main Highway - Suburban Rural	Tape Media # 2	pipe length: 328.51 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0336 1591-0338 1591	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:01:09		
	0.00	Water Level, 5' of cross sectional area	00:01:41		M 2
	0.00	Water Mark, 5' of cross sectional area	00:01:59		M 2
	5.09	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:58	296a	S 2
	5.09	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:03:25	297a	S 2
	5.80	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:04:27	298a	S 3
	10.07	Tap Factory Made Active, at 11 o'clock, 6", within 8 inch: YES	00:05:16	299a	
	37.53	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:06:56	300a	S 2
	37.53	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:07:29	301a	S 2
	48.72	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:26	302a	S 2
	50.95	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:34	303a	
	66.41	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:44	304a	
	72.41	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:33	305a	
	74.04	Crack Longitudinal, at 06 o'clock, within 8 inch: YES	00:13:01	306a	S 2
	103.74	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:14:16	307a	
	105.57	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:15:02	308a	S 2
	125.61	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: YES	00:16:03	309a	
	163.34	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:17:23	310a	
	172.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:18:06	311a	
	173.92	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:19:47	312a	S 4
	174.32	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:20:47	313a	S 4





Inspection report

Date: 20060214	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 419	PSR: 73707
Total Pipe Length: 321	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

1:495	position	observation	MPEG	photo	grade
	<u>211.45</u>	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:22:50	314a	S 2
	<u>211.65</u>	Crack Circumferential, from 06 to 09 o'clock, within 8 inch: YES	00:23:27	315a	S 1
	<u>212.87</u>	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:24:06	316a	
	<u>216.02</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:24:55	317a	
	<u>259.66</u>	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:26:07	318a	
	<u>262.91</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:26:40	319a	
	<u>307.76</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:28:00	320a	S 2
	<u>328.51</u>	Slight Circular Cracks Throughout Reach 30 □	00:29:32		S 1
	<u>328.51</u>	Slight Longitudinal Cracks Throughout Reach 30 □	00:29:50		S 2
	<u>328.51</u>	Materials Found-VCP	00:30:06		
	<u>328.51</u>	End of Segment	00:30:10		



Inspection report

Date: 20060411	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 170	PSR: 73729
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0018
City: ZLAS	Year Renewed:	End MH: 1592-0017
Location Code: A Main Highway - Urban	Tape Media # 59	pipe length: 318.1 ft
Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8	
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe	Pipe Length:
Drain. Area: 0017 1592-0018 1592	Lining Method:	
	Category:	

Remark:.

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	55.50	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:01:57	2331□4a	
	104.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:07	2331□5a	
	145.80	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:04:15	2331□6a, b	S 4
	146.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:53	2331□7a	
	188.50	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:06:13	2331□8a	S 4
	189.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:41	2331□9a	
	222.10	Crack Multiple, from 11 to 06 o'clock, within 8 inch: YES	00:07:52	2331□10a	S 3
	222.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:08:54	2331□11a	
	265.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:14	2331□12a	
	318.10	Materials Found-VCP	00:11:36		
	318.10	End of Segment	00:11:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	3121	11	5	16	3.67	2.5	3.2



Inspection report

Date: 20060330	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 769	PSR: 73671
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 137TH ST	Flow Control:	Start MH: 1592-0081
City: ZLAS	Year Renewed:	End MH: 1592-0082
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 327 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0081 1592-0082 1592	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	15.90	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO		2620a	
	18.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2621a	
	51.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2622a	
	58.80	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES		2623a	S 3
	60.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2624a	
	68.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2625a	
	71.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2626a	
	105.90	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES		2627a	S 1
	142.00	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES		2628a, b	S 4
	143.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2629a	
	179.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2630a	
	188.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2631a	
	213.50	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES		2632a, b	S 4
	214.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2633a	
	250.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2634a	
	253.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2635a	
	275.50	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES		2636a, b	S 3
	276.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE		2637a	
	297.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRIS		2638a	
	327.00	Materials Found-VCP			
	327.00	End of Segment			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2200	15	4	19	3	2	2.71



Inspection report

Date: 20060307	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 652	PSR: 77919
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1537

Street: 121ST ST	Flow Control:	Start MH: 1537-0146
City: ZLAS	Year Renewed	End MH: 1537-0145
Location Code: B Main Highway - Suburban Rural	Tape Media # 16	pipe length: 350.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0145 1537-0146 1537	Lining Method:
	Category:

Remark: :

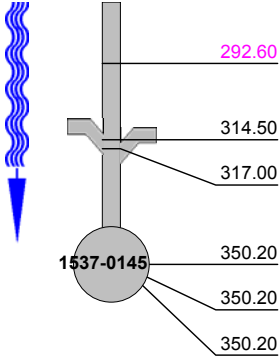
1:660	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	3.80	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:01:22	2818-5a, b	S 4
	35.30	Crack Circumferential, from 03 to 04 o'clock, within 8 inch: YES	00:02:36	2818-6a	S 1
	36.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:06	2818-7a	
	47.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:39	2818-8a	
	91.10	Crack Circumferential, from 07 to 12 o'clock, within 8 inch: YES	00:05:13	2818-9a, b	S 1
	92.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:08	2818-10a	
	94.00	Crack Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:07:04	2818-11a, b	S 3
	97.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:58	2818-12a	
	120.70	Roots Tap Joint, at 09 o'clock, 5 #, within 8 inch: YES	00:08:56	2818-13a	
	141.70	Roots Tap Joint, at 10 o'clock, 5 #, within 8 inch: YES	00:09:59	2818-14a	
	144.50	Roots Tap Joint, at 04 o'clock, 5 #, within 8 inch: YES	00:10:50	2818-15a	
	145.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:11:39	2818-16a	
	157.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:40	2818-17a	
	189.30	Roots Tap Joint, at 04 o'clock, 5 #, within 8 inch: YES	00:14:00	2818-18a	
	201.30	Roots Tap Joint, at 04 o'clock, 5 #, within 8 inch: NO	00:14:54	2818-19a	
	208.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:15:46	2818-20a	
	209.70	Crack Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:16:36	2818-21a	S 3
	210.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:17:23	2818-22a	
	261.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:50	2818-23a	
	264.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:19:19	2818-24a	



Inspection report

Date: 20060307	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 652	PSR: 77919
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1537

1:660	position	observation	MPEG	photo	grade
	292.60	Fracture Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:20:46	2818□25a	S 4
	314.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:21:45	2818□26a	
	317.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:22:14	2818□27a	
	350.20	Materials Found, VCP	00:23:16		
	350.20	End of Segment	00:23:34		
	350.20	General Observation, 10□ ROOTS THROUGHOUT REACH within 8 inch: YES			



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2200	16	4	20	2.67	2	2.5



Inspection report

Date: 20060313	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 572	PSR: 77704
Total Pipe Length: 100	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1538-0174
City: ZLAS	Year Renewed	End MH: 1538-0173
Location Code: B Main Highway - Suburban Rural	Tape/Media # 23	pipe length: 193.14 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0173 1538-0174 1538	Lining Method:
	Category:

Remark::

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:26		
	0.00	Water Level, 15 % of cross sectional area, from 04 to 08 o'clock	00:00:41		M 2
	0.00	Water Mark, 15 % of cross sectional area, from 04 to 08 o'clock	00:00:53		M 2
	3.05	Fracture Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:01:19	168a	S 4
	22.58	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:56	169a	
	51.87	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:02:45	170a	S 4
	82.79	Crack Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:03:26	171a	S 3
	83.81	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:45	172a	
	100.89	Crack Longitudinal, at 10 o'clock, within 8 inch: NO	00:04:14	173a	S 2
	116.35	Fracture Circumferential, from 08 to 12 o'clock, within 8 inch: YES	00:04:46	174a	S 2
	133.13	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:11	175a	
	143.81	Crack Multiple, from 10 to 01 o'clock, within 8 inch: YES	00:05:44	176a	S 3
	146.86	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:06:10	177a	S 3
	149.81	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:06:33	178a	S 2
	191.11	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:19	179a	
	193.14	Slight Longitudinal Cracks Throughout Reach 20 %	00:07:40		S 2
	193.14	Slight Circular Cracks Throughout Reach 25 %	00:07:51		S 1
	193.14	Materials Found-VCP	00:07:57		
	193.14	End of Segment	00:08:11		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4233	2200	26	4	30	2.6	2	2.5



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 246	PSR: 73676
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0085
City: ZLAS	Year Renewed:	End MH: 1592-0093
Location Code: A Main Highway - Urban	Tape Media # 57	pipe length: 315.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0085 1592-0093 1592	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	33.20	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:57	2407□4a	S 3
	36.20	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:02:32	2407□5a	S 2
	64.60	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:03:24	2407□6a	
	111.30	Fracture Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:04:51	2407□7a, b	S 4
	112.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:05:39	2407□8a	
	156.20	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:06	2407□9a, b	S 3
	157.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:58	2407□10a	
	176.70	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:58	2407□11a, b	S 4
	200.90	Crack Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:10:04	2407□12a	S 3
	202.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:30	2407□13a	
	243.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:11:41	2407□14a, b	
	288.40	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:13:09	2407□15a	
	315.50	General Observation: CRACKS THROUGHOUT REACH 5'	00:15:34		
	315.50	Materials Found-VCP	00:15:44		
	315.50	End of Segment	00:15:58		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4233	3121	19	5	24	3.17	2.5	3



Inspection report

Date: 20060414	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 315	PSR: 73697
Total Pipe Length: 323	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: LENNOX BL	Flow Control:	Start MH: 1591-0324
City: ZLAS	Year Renewed:	End MH: 1591-TRNK
Location Code: A Main Highway - Urban	Tape/Media # 65	pipe length: 326.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0324 1591-TRNK 1591	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	19.90	Crack Multiple, from 10 to 01 o'clock, within 8 inch: YES	00:01:16	2476 4a, b	S 3
	38.20	Crack Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:02:17	2476 5a, b	S 3
	48.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:02:55	2476 6a	
	50.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:03:27	2476 7a	
	82.40	Crack Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:04:39	2476 8a, b	S 3
	88.50	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:05:39	2476 9a, b	S 3
	92.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:06:21	2476 10a	
	95.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:41	2476 11a	
	108.90	Fracture Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:07:38	2476 12a, b	S 4
	134.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:08:40	2476 13a	
	137.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:10	2476 14a	
	169.90	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:10:05	2476 15a	
	178.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:34	2476 16a	
	199.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:18	2476 17a	
	223.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:12:11	2476 18a	
	225.90	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:12:41	2476 19a	
	255.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:13:33	2476 20a	
	256.60	Fracture Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:14:03	2476 21a, b	S 4
	257.90	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:14:46	2476 22a	



Inspection report

Date: 20060414	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 315	PSR: 73697
Total Pipe Length: 323	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

1:693	position	observation	MPEG	photo	grade
		Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:54	2476□23a	
		Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:16:21	2476□24a	
		General Observation CRACKS THROUGHOUT REACH 5□	00:17:23		
		Materials Found-VC	00:17:34		
		End of Segment	00:17:47		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4234	3121	20	5	25	3.33	2.5	3.13



Inspection report

Date: 20060313	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 690	PSR: 77803
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: 125TH ST	Flow Control:	Start MH: 1538-0150
City: ZLAS	Year Renewed:	End MH: 1538-0151
Location Code: B Main Highway - Suburban Rural	Tape Media # 22	pipe length: 271.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0150 1538-0151 1538	Lining Method:
	Category:

Remark::

1:594	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	4.10	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:02:38	10879a, b	S 4
	4.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:25	10880a	
	6.90	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:04:19	10881a, b	S 3
	7.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:06	10882a	
	25.00	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:05:59	10883a	S 1
	46.30	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:06:46	10884a	S 2
	46.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:12	10885a	
	51.40	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:07:43	10886a	S 2
	52.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:08:12	10887a, b	
	54.20	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:08:58	10888a	S 3
	110.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:23	10889a	
	112.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:51	10890a	
	129.70	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:11:57	10891a, b	S 3
	157.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:13:22	10892a, b	S 3
	157.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:02	10893a	
	160.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:39	10894a	
	213.60	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:16:49	10895a	S 3
	214.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:16	10896a	
	216.20	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:18:14	10897a, b	S 4
	217.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:19:00	10898a	



Inspection report

Date: 20060313	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 690	PSR: 77803
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:594	position	observation	MPEG	photo	grade
	<u>264.20</u>	Crack Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:20:19	10899a, b	S 3
	<u>265.60</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:20:53	10900a	
	<u>271.50</u>	Materials Found, VCP	00:21:30		
	<u>271.50</u>	End of Segment	00:21:50		



Inspection report

Date: 20060309	P.O.☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 483	PSR: 77784
Total Pipe Length: 420	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐: 1538

Street: 123RD PL	Flow Control:	Start MH: 1538-0131
City: ZLAS	Year Renewed	End MH: 1538-0130
Location Code: B Main Highway - Suburban Rural	Tape Media ☐ 19	pipe length: 357.6 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0130 1538-0131 1538	Lining Method:
	Category:

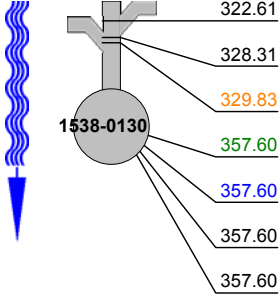
Remark::

1:759	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:45		
	0.00	Water Level, 5 of cross sectional area, from 05 to 07 o'clock	00:00:56		M 2
	0.00	Water Mark, 5 ☐ of cross sectional area, from 05 to 07 o'clock	00:01:06		M 2
	13.83	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:26	871a	
	22.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:47	872a	
	77.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:46	873a	
	78.72	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:03:17	874a	S 4
	79.84	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:35	875a	
	81.47	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:10	876a	S 4
	125.51	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:54	877a	
	134.15	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:12	878a	
	181.44	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:06:18	879a	S 3
	184.49	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:06:44	880a	S 3
	185.51	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:06	881a	
	188.16	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:25	882a	
	225.69	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:15	883a	S 2
	226.30	Crack Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:08:42	884a	S 3
	247.86	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:09:24	885a	S 3
	250.91	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:09:51	886a	S 3
	250.91	Fracture Longitudinal, at 07 o'clock, within 8 inch: YES	00:10:05	887a	S 3



Inspection report

Date: 20060309	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 483	PSR: 77784
Total Pipe Length: 420	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:759	position	observation	MPEG	photo	grade
	 322.61	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:11	888a	
	328.31	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:30	889a	
	329.83	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:11:55	890a	S 3
	357.60	Slight Circular Cracks Throughout Reach 15'	00:12:29		S 1
	357.60	Slight Longitudinal Cracks Throughout Reach 15'	00:12:40		S 2
	357.60	Materials Found-VCP	00:12:48		
	357.60	End of Segment	00:12:59		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4237	2200	34	4	38	2.83	2	2.71



Inspection report

Date: 20060323	P.O. □ Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 664	PSR: 77865
Total Pipe Length: 265	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □ 1538

Street: 130TH ST	Flow Control:	Start MH: 1538-0076
City: ZLAS	Year Renewed	End MH: 1538-0075
Location Code: B Main Highway - Suburban Rural	Tape Media □ 33	pipe length: 326.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0075 1538-0076 1538	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	1538-0076 0.00	Water Mark, 10 □ of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 □ of cross sectional area, from 05 to 07 o'clock			M 2
	21.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:00:56	2834□4a	
	29.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:25	2834□5a	
	66.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:22	2834□6a	
	70.90	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:02:48	2834□7a	S 3
	72.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:20	2834□8a	
	82.70	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:04:09	2834□9a	S 3
	83.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:43	2834□10a	
	94.70	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:31	2834□11a, b	S 3
	126.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:38	2834□12a	
	127.80	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:07:12	2834□13a, b	S 3
	166.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:29	2834□14a	
	180.10	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:09:20	2834□15a, b	S 3
	186.20	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:10:03	2834□16a, b	S 3
	239.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:27	2834□17a	
	248.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:00	2834□18a	
	282.00	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:13:02	2834□19a	
	283.40	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:13:50	2834□20a, b	S 3
	285.20	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:14:38	2834□21a	
	286.30	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:15:14	2834□22a	S 3
	287.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:41	2834□23a	



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 664	PSR: 77865
Total Pipe Length: 265	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:693	position	observation	MPEG	photo	grade
	<u>301.50</u>	Fracture Multiple, from 07 to 03 o'clock, within 8 inch: YES	00:16:39	2834\24a, b	S 4
	<u>302.50</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:10	2834\25a	
	<u>319.50</u>	Fracture Multiple, from 12 to 07 o'clock, within 8 inch: YES	00:18:11	2834\26a	S 4
	<u>320.60</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:43	2834\27a	
	<u>322.20</u>	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:19:12	2834\28a, b	S 1
	<u>326.90</u>	Materials Found-VCP	00:19:48		
	<u>326.90</u>	End of Segment	00:20:02		



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 660	PSR: 84791
Total Pipe Length: 270	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

Street: 130TH ST	Flow Control:	Start MH: 1538-0075
City: ZLAS	Year Renewed:	End MH: 1592-0038
Location Code: B Main Highway - Suburban Rural	Tape Media # 33	pipe length: 322.3 ft

Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0038 1592-0075 1538	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
1538-0075	15.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:00:55	282904a	
	55.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:51	282905a	
	56.40	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:02:25	282906a, b	S 4
	57.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:56	282907a	
	97.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:07	282908a	
	111.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:39	282909a	
	132.00	Roots Tap Joint, at 09 o'clock, 5 %, within 8 inch: YES	00:05:23	282910a	
	136.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:51	282911a	
	159.40	Fracture Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:06:48	282912a, b	S 4
	160.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:07:42	282913a	
	172.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:22	282914a	
	173.40	Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:08:53	282915a, b	S 4
	174.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:09:36	282916a, b	
	175.90	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:10:27	282917a, b	S 3
	217.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:36	282918a	
	238.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE ROOTS	00:12:22	282919a	
	259.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:12	282920a	
	277.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:48	282921a	
	297.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:30	282922a	
	319.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:21	282923a	
	322.30	Materials Found-VCP	00:15:48		
1592-0038	322.30	End of Segment	00:16:03		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4331	2200	15	4	19	3.75	2	3.17



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 661	PSR: 73639
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 132ND ST	Flow Control:	Start MH: 1592-0048
City: ZLAS	Year Renewed:	End MH: 1592-0047
Location Code: B Main Highway - Suburban Rural	Tape Media # 33	pipe length: 326.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0047 1592-0048 1592	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	44.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:30	28304a	
	52.10	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:02:12	28305a	S 3
	53.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:49	28306a	
	92.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:55	28307a	
	107.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:30	28308a	
	122.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:07	28309a	
	130.00	Roots Tap Joint, at 08 o'clock, 5', within 8 inch: YES	00:05:41	283010a	
	134.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:12	9986a	
	135.50	Roots Tap Joint, from 08 to 09 o'clock, 5', within 8 inch: YES	00:06:51	9987a	
	154.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:46	9988a	
	187.00	Crack Multiple, from 07 to 11 o'clock, within 8 inch: NO	00:08:52	9989a, b	S 3
	188.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:25	9990a	
	195.80	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:10:08	283016a, b	S 4
	196.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:48	9992a	
	198.60	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:11:21	9993a	S 1
	229.30	Fracture Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:12:34	9994a	S 4
	230.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:19	218a	
	234.10	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:13:50	9996a, b	S 2
	234.80	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:14:32	9997a	S 3
	235.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:06	9998a	



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 661	PSR: 73639
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:627	position	observation	MPEG	photo	grade
	269.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:16:17	9999a	
	277.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:16:53	10000a	
	282.10	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:17:31	10001a, b	S 4
	282.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:03	10002a	
	313.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:19:11	10003a	
	326.30	Materials Found-VCP	00:19:52		
	326.30	End of Segment	00:20:16		



Inspection report

Date: 20060327	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 758	PSR: 73642
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 133RD ST	Flow Control:	Start MH: 1592-0051
City: ZLAS	Year Renewed:	End MH: 1592-0052
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 350.8 ft

Reason for inspection: F Routine Assessment	Dia. Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0051 1592-0052 1592	Lining Method:
	Category:

Remark::

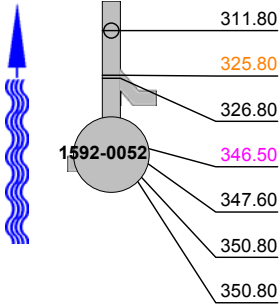
1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	<u>0.00</u>	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	<u>0.00</u>	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	<u>36.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2409a	
	<u>39.10</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2410a	
	<u>65.10</u>	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES		2411a, b	S 3
	<u>66.00</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2412a	
	<u>81.00</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2413a	
	<u>117.30</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2976□9a	
	<u>119.70</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2976□10a	
	<u>125.40</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS		2976□11a	
	<u>129.90</u>	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES		2417a	S 3
	<u>130.80</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2418a	
	<u>196.20</u> S1	Crack Longitudinal, at 04 o'clock, within 8 inch: YES, start		2419a	S 2
	<u>197.20</u>	Crack Multiple, from 02 to 04 o'clock, within 8 inch: YES		2420a	S 3
	<u>197.90</u> F1	Crack Longitudinal, at 04 o'clock, within 8 inch: YES, end		2421a	S 2
	<u>233.90</u>	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES		2422a, b	S 4
	<u>234.90</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2423a	
	<u>237.20</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2424a	
	<u>270.80</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRIS		2425a	
	<u>272.40</u>	Fracture Multiple, from 08 to 11 o'clock, within 8 inch: YES		2426a, b	S 4
	<u>273.30</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2427a	
	<u>294.20</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2428a	



Inspection report

Date: 20060327	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 758	PSR: 73642
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:726	position	observation	MPEG	photo	grade
	311.80	Tap Factory Made Active, at 01 o'clock, 6", within 8 inch: NO		2429a	
	325.80	Crack Multiple, from 04 to 05 o'clock, within 8 inch: YES		2430a, b	S 3
	326.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET		2431a	
	346.50	Fracture Multiple, from 01 to 08 o'clock, within 8 inch: YES		2432a, b	S 4
	347.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2433a	
	350.80	Materials Found-VCP			
	350.80	End of Segment			



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4334	2200	28	4	32	3.11	2	2.91



Inspection report

Date: 20060329	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 618	PSR: 73659
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 134TH PL	Flow Control:	Start MH: 1592-0067
City: ZLAS	Year Renewed:	End MH: 1592-0068
Location Code: B Main Highway - Suburban Rural	Tape Media # 36	pipe length: 305.52 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0067 1592-0068 1592	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:50		
	<u>0.00</u>	Water Level, 10 o'clock of cross sectional area, from 04 to 08 o'clock	00:01:13		M 2
	<u>0.00</u>	Water Mark, 10 o'clock of cross sectional area, from 04 to 08 o'clock	00:01:33		M 2
	<u>25.12</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:36	278304a	
	<u>32.75</u>	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:03:45	278305a	S 4
	<u>34.17</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:23	278306a	
	<u>71.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:31	278307a	
	<u>75.97</u>	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:06:38	278308a	S 3
	<u>82.18</u>	Crack Multiple, from 06 to 01 o'clock, within 8 inch: YES	00:07:34	278309a	S 3
	<u>83.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:01	278310a	
	<u>88.08</u>	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:09:15	278311a	S 3
	<u>94.18</u>	Crack Multiple, from 01 to 03 o'clock, within 8 inch: YES	00:10:13	278312a	S 3
	<u>95.60</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:43	278313a	
	<u>106.38</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:11:20	278314a	S 2
	<u>131.30</u>	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:12:33	278315a	
	<u>148.39</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:22	278316a	
	<u>169.54</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:09	278317a	
	<u>194.46</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:57	278318a	
	<u>215.82</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:45	278319a	
	<u>233.01</u>	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:16:54	278320a	S 4
	<u>234.53</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:17:22	278321a	
	<u>254.67</u>	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:18:35	278322a	S 3
	<u>255.79</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:19:00	278323a	



Inspection report

Date: 20060329	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 618	PSR: 73659
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:627	position	observation	MPEG	photo	grade
	<u>273.08</u>	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:20:17	2783\24a	S 3
	<u>274.50</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:20:44	2783\25a	
	<u>291.69</u>	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:21:49	2783\26a	S 4
	<u>292.61</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:22:12	2783\27a	
	<u>305.52</u>	Slight Circular Cracks Throughout Reach 10'	00:23:16		S 1
	<u>305.52</u>	Slight Longitudinal Cracks Throughout Reach 10'	00:23:32		S 2
	<u>305.52</u>	Materials Found-VCP	00:23:50		
	<u>305.52</u>	End of Segment	00:24:23		



Inspection report

Date: 20060406	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 96	PSR: 73844
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: CONDON AV	Flow Control:	Start MH: 1591-0194
City: ZLAS	Year Renewed:	End MH: 1591-0195
Location Code: B Main Highway - Suburban Rural	Tap Media # 50	pipe length: 333.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0194 1591-0195 1591	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:23		
	0.00	Water Level, 15 # of cross sectional area, from 04 to 08 o'clock	00:00:32		M 2
	0.00	Water Mark, 15 # of cross sectional area, from 04 to 08 o'clock	00:00:43		M 2
	67.23	Tap Break-In Active, at 11 o'clock, 5", within 8 inch: NO	00:01:50	640a	
	88.59	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:16	641a	
	91.13	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:34	642a	
	145.85	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:03:31	643a	
	148.49	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:48	644a	
	156.22	Fracture Longitudinal, at 11 o'clock, within 8 inch: YES	00:04:13	645a	S 3
	156.22	Fracture Longitudinal, at 06 o'clock, within 8 inch: YES	00:04:42	646a	S 3
	159.27	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:05:16	647a	S 4
	162.22	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:37	648a	S 3
	165.27	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:59	649a	S 3
	165.27	Fracture Longitudinal, at 05 o'clock, within 8 inch: YES	00:06:19	650a, b	S 3
	168.32	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:06:50	651a	S 4
	172.60	Crack Multiple, from 12 to 08 o'clock, within 8 inch: YES	00:07:20	652a	S 3
	178.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:27	653a	
	179.92	Crack Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:08:08	654a	S 3
	183.88	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:08:26	655a	S 2
	190.09	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: NO	00:08:53	656a	S 4
	191.11	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:09:11	657a	S 3
	192.33	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:09:25	658a	S 3
	194.67	Fracture Longitudinal, at 05 o'clock, within 8 inch: YES	00:09:53	659a	S 3
	199.75	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:13	660a	



Inspection report

Date: 20060406	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 96	PSR: 73844
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

1:495	position	observation	MPEG	photo	grade
	217.55	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:42	661a	
	226.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:07	662a	
	244.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:33	663a	
	277.66	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:15	664a	
	308.07	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:50	665a	
	329.02	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:48	666a	
	333.70	Materials Found-VCP	00:14:57		
	333.70	End of Segment	00:15:07		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
433A	2200	44	4	48	3.14	2	3



Inspection report

Date: 20060330	P.O. #: Y0TV0506B	Weather:	Surveyed By: J. NGO	section number: 770	PSR: 73672
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 137TH ST	Flow Control:	Start MH: 1592-0082
City: ZLAS	Year Renewed:	End MH: 1592-0083
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 326.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0082 1592-0083 1592	Lining Method:
	Category:

Remark::

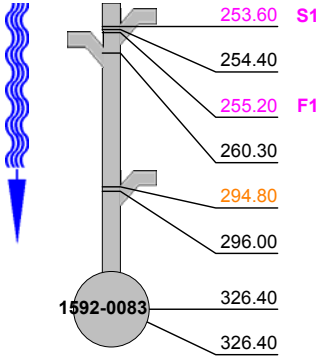
1:594	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	8.10	Fracture Circumferential, from 07 to 09 o'clock, within 8 inch: YES		2644a	S 2
	9.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2645a	
	12.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK		2646a	
	50.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2647a	
	50.80	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES		2648a	S 1
	79.60	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES		2649a, b	S 4
	80.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE		2650a	
	82.00	Fracture Multiple, from 12 to 06 o'clock, within 8 inch: YES		2651a, b	S 4
	83.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2652a	
	125.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET		2653a	
	127.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2654a	
	166.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2655a	
	169.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2656a	
	183.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2657a	
	212.30	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES		2658a, b	S 3
	213.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2659a	
	217.50	Crack Multiple, from 12 to 12 o'clock, within 8 inch: NO		2660a	S 3
	219.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2661a	



Inspection report

Date: 20060330	P.O. #: Y0TV0506B	Weather:	Surveyed By: J. NGO	section number: 770	PSR: 73672
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:594	position	observation	MPEG	photo	grade
	<u>253.60</u> S1	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES, start		2662a, b	S 4
	<u>254.40</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2663a	
	<u>255.20</u> F1	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES, end		2664a, b	S 4
	<u>260.30</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2665a	
	<u>294.80</u>	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES		2666a	S 3
	<u>296.00</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2667a	
	<u>326.40</u>	Materials Found-VCP			
	<u>326.40</u>	End of Segment			



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4433	2200	28	4	32	3.11	2	2.91



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 59	PSR: 73684
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 138TH ST	Flow Control:	Start MH: 1592-0092
City: ZLAS	Year Renewed:	End MH: 1592-0093
Location Code: B Main Highway - Suburban Rural	Tape Media # 54	pipe length: 310.61 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0092 1592-0093 1592	Lining Method:
	Category:

Remark::

1:561	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:30		
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock	00:00:45		M 2
	0.00	Water Mark, 15 of cross sectional area, from 04 to 08 o'clock	00:00:56		M 2
	10.48	Roots Ball Joint, from 02 to 05 o'clock, 40 #, within 8 inch: YES	00:01:31	907a	
	12.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:54	908a	
	14.85	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:18	909a	
	56.14	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:03:31	910a	S 3
	57.46	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:53	911a	
	58.79	Fracture Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:04:33	912a	S 4
	59.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:57	913a	
	67.33	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:05:36	914a	S 1
	73.64	Crack Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:06:10	915a	S 3
	95.10	Crack Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:07:26	916a	S 3
	96.52	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:00	917a	
	97.84	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:39	918a	S 4
	99.06	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:57	919a	
	103.44	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:09:43	920a	S 3
	134.35	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:11:29	921a	S 4
	135.57	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:50	922a	
	137.00	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:12:17	923a	S 3
	138.32	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:41	924a	
	181.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:47	925a	
	182.56	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:14:17	926a	S 4
	183.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACKED	00:14:44	927a	



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 59	PSR: 73684
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:561	position	observation	MPEG	photo	grade
	240.33	Fracture Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:15:59	928a	S 4
	241.55	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:16:19	929a	
	244.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:41	930a	
	310.61	Slight Circular Cracks Throughout Reach 40'	00:17:55		S 1
	310.61	Slight Longitudinal Cracks Throughout Reach 25'	00:18:08		S 2
	310.61	Light Grease Throughout Reach 15'	00:18:18		M 2
	310.61	Materials Found-VCP	00:18:26		
	310.61	End of Segment	00:18:38		



Inspection report

Date: 20060313	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 575	PSR: 77707
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1538-0176
City: ZLAS	Year Renewed	End MH: 1538-0177
Location Code: B Main Highway - Suburban Rural	Tape Media # 23	pipe length: 276.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0176 1538-0177 1538	Lining Method:
	Category:

Remark: :

1:528	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:27		
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:37		M 2
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:48		M 2
	4.27	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:01:02	130a	S 3
	39.67	Crack Spiral, from 09 to 04 o'clock, within 8 inch: NO	00:01:52	131a	S 2
	41.19	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:02:12	132a	S 3
	59.09	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:39	133a	
	71.91	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:11	134a	S 3
	75.06	Fracture Longitudinal, at 02 o'clock, within 8 inch: YES	00:03:31	135a	S 3
	78.92	Fracture Longitudinal, at 11 o'clock, within 8 inch: NO	00:03:56	136a	S 3
	83.60 S1	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES, start	00:04:16	137a, b	S 3
	86.25	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:04:34	138a	S 2
	90.72	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:05:14	139a	S 3
	114.11	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:41	140a	
	120.83 F1	Fracture Longitudinal, at 12 o'clock, within 8 inch: NO, end	00:06:03		S 3
	166.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:06:51	142a	
	186.02	Fracture Longitudinal, at 09 o'clock, within 8 inch: YES	00:07:20	143a	S 3
	186.02	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:07:44	144a	S 3
	203.31 S2	Crack Longitudinal, at 12 o'clock, within 8 inch: YES, start	00:08:16	145a	S 2
	210.73 F2	Crack Longitudinal, at 12 o'clock, within 8 inch: NO, end	00:08:44		S 2
	216.84	Fracture Circumferential, from 10 to 03 o'clock, within 8 inch: YES	00:09:09	147a	S 2



Inspection report

Date: 20060313	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 575	PSR: 77707
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:528	position	observation	MPEG	photo	grade
	221.41	Fracture Multiple, from 12 to 03 o'clock, within 8 inch: YES	00:09:43	148a	S 4
	224.87	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:06	149a	
	226.30	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:25	150a	S 3
	231.99	Fracture Multiple, from 10 to 01 o'clock, within 8 inch: YES	00:10:45	151a	S 4
	234.94	Fracture Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:11:10	152a	S 4
	239.11	Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:11:33	153a	S 4
	244.50	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:11:55	154a	S 3
	247.55	Fracture Longitudinal, at 01 o'clock, within 8 inch: YES	00:12:14	155a	S 3
	251.32	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:12:35	156a	S 3
	253.96	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:12:59	157a	S 3
	257.11	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:13:21	158a	S 3
	260.47	Fracture Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:13:44	159a	S 4
	271.56	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:09	160a	
	276.95	Slight Longitudinal Cracks Throughout Reach 55'	00:14:30		S 2
	276.95	Slight Circular Cracks Throughout Reach 40'	00:14:37		S 1
	276.95	Materials Found-VCP	00:14:47		
	276.95	End of Segment	00:15:00		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
453C	2200	96	4	100	2.91	2	2.86



Inspection report

Date: 20060327	P.O. □ Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 759	PSR: 73643
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □ 1592

Street: 133RD ST	Flow Control:	Start MH: 1592-0052
City: ZLAS	Year Renewed	End MH: 1592-0053
Location Code: B Main Highway - Suburban Rural	Tape Media □ 1	pipe length: 350.4 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0052 1592-0053 1592	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 □ of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 □ of cross sectional area, from 05 to 07 o'clock			M 2
	39.50	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO		2439a	
	40.70	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES		2440a, b	S 4
	41.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2441a	
	81.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2442a	
	82.60	Fracture Multiple, from 08 to 10 o'clock, within 8 inch: YES		2443a	S 4
	83.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2444a	
	104.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2445a	
	131.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2446a	
	149.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2447a	
	170.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2448a	
	187.20	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES		2449a	S 3
	188.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2450a	
	210.80	Crack Longitudinal, at 05 o'clock, within 8 inch: YES		2451a	S 2
	211.00	Fracture Multiple, from 06 to 09 o'clock, within 8 inch: YES		2452a, b	S 4
	211.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2453a	
	226.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRIS		2454a	
	250.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2455a	
	267.60	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES		2456a, b	S 4
	268.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2457a	



Inspection report

Date: 20060327	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 759	PSR: 73643
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:693	position	observation	MPEG	photo	grade
	289.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2458a	
	309.50	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES		2459a	S 4
	310.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2460a	
	324.40	Fracture Multiple, from 08 to 10 o'clock, within 8 inch: YES		2461a, b	S 4
	325.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO			
	350.40	Materials Found-VCP			
	350.40	End of Segment			



Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 762	PSR: 77863
Total Pipe Length: 278	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 135TH ST	Flow Control:	Start MH: 1592-0072
City: ZLAS	Year Renewed:	End MH: 1592-0071
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 327 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0071 1592-0072 1592	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	6.00	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO		2499a	
	9.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2500a	
	39.90	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES		2501a	S 3
	41.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2502a	
	43.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2503a	
	81.90	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES		2504a	S 3
	82.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2505a	
	84.10	Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES		2506a, b	S 4
	85.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2507a	
	96.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2508a	
	104.50	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES		2509a	S 1
	105.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2510a	
	134.80	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES		2511a	S 4
	135.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2512a	
	168.70	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO		2513a	
	177.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2514a	
	200.50	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES		2515a, b	S 4
	201.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2516a	
	234.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2517a	
	246.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS:CRACKS		2518a	



Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 762	PSR: 77863
Total Pipe Length: 278	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:627	position	observation	MPEG	photo	grade
		<p style="color: magenta;">Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES</p> <p>Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET</p> <p style="color: magenta;">Fracture Multiple, from 07 to 02 o'clock, within 8 inch: YES</p> <p>Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO</p> <p style="color: magenta;">Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES</p> <p>Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO</p> <p>End of Segment</p>	<p style="color: magenta;">2519a, b</p> <p>2520a</p> <p style="color: magenta;">2521a</p> <p>2522a</p> <p style="color: magenta;">2523a</p>	<p style="color: magenta;">S 4</p> <p></p> <p style="color: magenta;">S 4</p> <p></p> <p style="color: magenta;">S 4</p>	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4632	2200	31	4	35	3.44	2	3.18



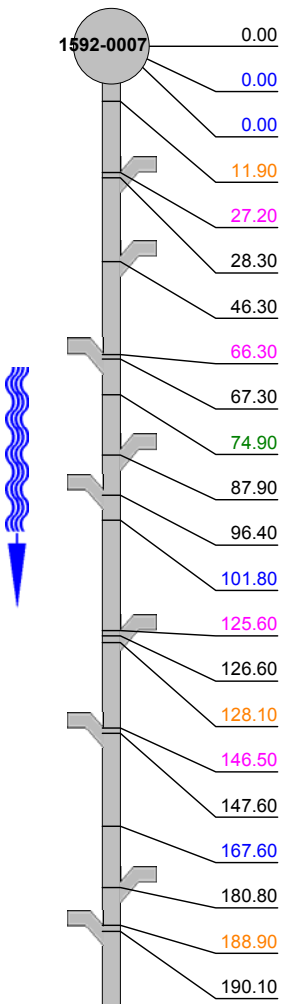
Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 743	PSR: 73719
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 135TH ST	Flow Control:	Start MH: 1592-0007
City: ZLAS	Year Renewed	End MH: 1592-0073
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 351 ft
Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8	Material: VCP Vitrified Clay Pipe Pipe Length: Lining Method: Category:
Use of Sewer: SS Sanitary		
Drain. Area: 0007 1592-0073 1592		

Remark::

1:495	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	11.90	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	2961	4a	S 3
	27.20	Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES			S 4
	28.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2961	6a	
	46.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2961	7a	
	66.30	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	2961	8a, b	S 4
	67.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2961	9a	
	74.90	Crack Circumferential, from 07 to 09 o'clock, within 8 inch: YES	2961	10a	S 1
	87.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2961	11a	
	96.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	2961	12a	
	101.80	Crack Longitudinal, at 12 o'clock, within 8 inch: YES, Remark: 101.1	2961	13a	S 2
	125.60	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	2961	14a, b	S 4
	126.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark:	2961	15a	
	128.10	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	2961	16a	S 3
	146.50	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	2961	17a	S 4
	147.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2961	18a	
	167.60	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	2961	19a	S 2
	180.80	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	2961	20a	
	188.90	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	2961	21a	S 3
	190.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2961	22a	

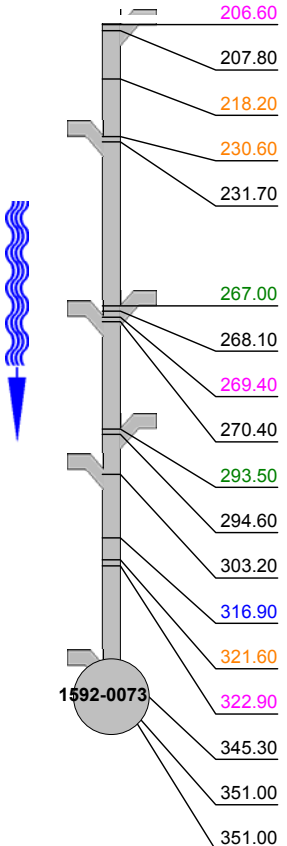




Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 743	PSR: 73719
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:495	position	observation	MPEG	photo	grade
	<u>206.60</u>	Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES		2961\23a, b	S 4
	<u>207.80</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2961\24a	
	<u>218.20</u>	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES		2961\25a, b	S 3
	<u>230.60</u>	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES		2961\26a	S 3
	<u>231.70</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2961\27a	
	<u>267.00</u>	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES		2961\28a	S 1
	<u>268.10</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2961\29a	
	<u>269.40</u>	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES		2961\30a	S 4
	<u>270.40</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2961\31a	
	<u>293.50</u>	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES		2961\32a	S 1
	<u>294.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2961\33a	
	<u>303.20</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK		2961\34a	
	<u>316.90</u>	Crack Longitudinal, at 02 o'clock, within 8 inch: YES		2961\35a	S 2
	<u>321.60</u>	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES		2961\36a, b	S 3
	<u>322.90</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES		2961\37a	S 4
	<u>345.30</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2961\38a	
	<u>351.00</u>	Materials Found-VCP			
	<u>351.00</u>	End of Segment			





Inspection report

Date: 20060831	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: A.S.T.	section number: 800	PSR: 73928
Total Pipe Length:	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: HAWTHORNE BL	Flow Control:	Start MH: 1591-0126
City: ZLAS	Year Renewed:	End MH: 1591-0127
Location Code: B Main Highway - Suburban Rural	Tape/Media # 4A	pipe length: 326.68 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0126 1591-0127 1591	Lining Method: NO
	Category:

Remark: **10503 HAWTHORNE BLVD.**

1:800	position	observation	MPEG	photo	grade
	0.00	0 Manhole, Survey Begins DWN STRM MH 0126	00:00:19		
	7.73	2 Grease, from 09 to 03 o'clock, 5 <input type="checkbox"/> cross-sectional area loss	00:00:40	138a	M 2
	18.31	1 Prefabricated connection, at 02 o'clock, active	00:01:05		
	30.10	1 Prefabricated connection, at 10 o'clock, stub	00:01:31		
	53.90	1 Prefabricated connection, at 02 o'clock, open	00:02:26		
	103.13	1 Prefabricated connection, at 02 o'clock, active	00:03:58		
	123.67	1 Prefabricated connection, at 02 o'clock, stub	00:04:32		
	138.52	1 Prefabricated connection, at 02 o'clock, open	00:05:02		
	153.58	1 Prefabricated connection, at 10 o'clock, active	00:05:44		
	183.78	1 Prefabricated connection, at 02 o'clock, active	00:06:34		
	198.63	1 Prefabricated connection, at 10 o'clock, active	00:07:20		
	219.18	1 Prefabricated connection, at 02 o'clock, active	00:08:02		
	235.04	1 Prefabricated connection, at 10 o'clock, open	00:08:29		
	243.79	1 Prefabricated connection, at 02 o'clock, active	00:08:54		
	264.74	1 Prefabricated connection, at 10 o'clock, stub	00:09:27		
	267.39	1 Prefabricated connection, at 02 o'clock, active	00:09:43		
	293.42	1 Prefabricated connection, at 02 o'clock, open	00:11:00		
	322.20	1 Prefabricated connection, at 10 o'clock, active	00:12:36		
	325.05	4 Missing pipe with soil visible from 11 to 02 o'clock, 3 in	00:13:17	155a	S 5
	326.68	3 Survey Abandoned DUE TO GREASE ON FLOW LINE	00:15:14	156a	

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



Inspection report

Date: 20060324	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 708	PSR: 73905
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: LENNOX BL	Flow Control:	Start MH: 1591-0088
City: ZLAS	Year Renewed:	End MH: 1591-0087
Location Code: A Main Highway - Urban	Tape Media # 35	pipe length: 343.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0087 1591-0088 1591	Lining Method:
	Category:

Remark::

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 0 % of cross sectional area			M 2
	18.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:01:13	11495a	
	34.50	Hole Soil Visible, from 07 to 04 o'clock, within 8 inch: YES	00:02:47	11496a, b	S 5
	71.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:04:29	11497a	
	98.20	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:05:50	11498a	
	134.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:06:53	11499a	
	145.60	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:07:31	11500a	
	163.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:08:13	11501a	
	168.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:08:57	11502a	
	195.40	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:10:29	11503a	
	234.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:11:46	11504a	
	237.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:12:15	11505a	
	245.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:12:58	11506a	
	263.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:13:38	11507a	
	287.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:14:25	11508a	
	338.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:51	11509a	
	343.70	Materials Found-VCP	00:16:34		
	343.70	End of Segment	00:16:49		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



Inspection report

Date: 20060216	P.O. □ Y0TV0506B	Weather: 1 Dry	Surveyed By: T.DIAZ	section number: 382	PSR: 73823
Total Pipe Length: 208	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □ 1591

Street: 111TH ST	Flow Control:	Start MH: 1591-0160
City: ZLAS	Year Renewed	End MH: 1591-0159
Location Code: B Main Highway - Suburban Rural	Tape Media □ 4	pipe length: 212.77 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0159 1591-0160 1591	Lining Method:
	Category:

Remark::

1:525	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Level, 5 □ of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Mark, 5 □ of cross sectional area, from 05 to 07 o'clock			M 2
	44.24	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:15	833a	
	68.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:04	834a	
	83.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:44	835a	
	92.45	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:05:16	836a	
	94.28	Hole Soil Visible, at 12 o'clock, within 8 inch: NO	00:05:59	837a	S 5
	94.89	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:56	838a	
	116.05	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:36	839a	
	127.95	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:08:08	840a	
	151.95	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:55	841a	
	170.26	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:09:34	842a	
	175.85	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:10:01	843a	
	203.11	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:50	844a	
	205.85	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:31	845a	
	212.77	Materials Found-VCP	00:12:08		
	212.77	End of Segment	00:12:26		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



Inspection report

Date: 20060421	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 292	PSR: 73815
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: INGLEWOOD AV	Flow Control:	Start MH: 1591-0240
City: ZLAS	Year Renewed	End MH: 1591-0241
Location Code: A Main Highway - Urban	Tape/Media # 75	pipe length: 319.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0240 1591-0241 1591	Lining Method:
	Category:

Remark: :

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	<u>0.00</u>	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	<u>0.00</u>	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	<u>10.80</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:00:49	245304a	
	<u>54.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:56	245305a	
	<u>87.30</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:57	245306a	
	<u>140.80</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:08	245307a	
	<u>167.30</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:04:51	245308a	
	<u>190.80</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:31	245309a	
	<u>221.80</u>	Broken Void Visible, from 11 to 01 o'clock, within 8 inch: YES	00:06:52	245310a, b	S 5
	<u>238.30</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:07:43	245311a	
	<u>261.70</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:08:26	245312a	
	<u>300.40</u>	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:09:29	245313a	
	<u>319.30</u>	Materials Found-VCP	00:10:01		
	<u>319.30</u>	End of Segment	00:10:15		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3121	5	5	10	5	2.5	3.33



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 253	PSR: 73685
Total Pipe Length: 307	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0093
City: ZLAS	Year Renewed:	End MH: 1592-0094
Location Code: A Main Highway - Urban	Tape Media # 57	pipe length: 312.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0093 1592-0094 1592	Lining Method:
	Category:

Remark: _____

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	12.70	Hole Soil Visible, from 07 to 12 o'clock, within 8 inch: YES	00:01:11	2414□4a, b	S 5
	65.40	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:02:37	2414□5a	
	83.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:03:17	2414□6a	
	128.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:27	2414□7a	
	202.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:06:15	2414□8a, b	
	239.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:25	2414□9a	
	271.10	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:08:38	2414□10a	
	312.50	General Observation CRACKS THROUGHOUT REACH 5' OR LESS	00:11:21		
	312.50	Materials Found-VCP	00:11:31		
	312.50	End of Segment	00:11:47		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3121	5	5	10	5	2.5	3.33



Inspection report

Date: 20060414	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 313	PSR: 73801
Total Pipe Length: 251	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1591

Street: FELTON AV	Flow Control:	Start MH: 1591-0298
City: ZLAS	Year Renewed:	End MH: 1591-0299
Location Code: B Main Highway - Suburban Rural	Tape Media # 65	pipe length: 284.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0298 1591-0299 1591	Lining Method:
	Category:

Remark: _____

1:700	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	16.80	Joint Offset Medium	00:01:02	2474□4a	S 1
	17.20	Broken Void Visible, at 04 o'clock, within 8 inch: YES	00:01:23	2474□5a	S 5
	18.60	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: NO	00:01:54	2474□6a	
	48.50	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:02:53	2474□7a	
	54.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:03:19	2474□8a	
	101.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:04:29	2474□9a	
	104.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:53	2474□10a	
	136.90	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:05:53	2474□11a	
	145.70	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:06:36	2474□12a	
	178.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:08:08	2474□13a	
	198.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:47	2474□14a	
	231.90	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:10:45	2474□15a	
	237.30	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:11:13	2474□16a	
	270.70	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:13:23	2474□17a	
	273.20	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:13:46	2474□18a	
	275.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:07	2474□19a	
	284.60	Materials Found-VCP	00:14:34		
	284.60	End of Segment	00:14:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2200	6	4	10	3	2	2.5



Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 3 Light rain	Surveyed By: J. NGO	section number: 742	PSR: 77845
Total Pipe Length: 490	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 135TH ST	Flow Control:	Start MH: 1592-0007
City: ZLAS	Year Renewed:	End MH: 1538-0049
Location Code: B Main Highway - Suburban Rural	Tape Media # 1	pipe length: 350.2 ft

Reason for inspection: F Routine Assessment	Dia. Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0007 1592-0049 1538	Lining Method:
	Category:

Remark::

1:627	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	<u>0.00</u>	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	<u>0.00</u>	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	<u>5.00</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#4a	
	<u>15.90</u>	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO		2960#5a	
	<u>22.90</u>	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES		2960#6a	S 3
	<u>38.40</u>	Roots Tap Joint, at 08 o'clock, 5 #, within 8 inch: YES		2960#7a	
	<u>41.00</u>	Roots Tap Joint, at 10 o'clock, 5 #, within 8 inch: YES		2960#8a	
	<u>45.90</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2960#9a	
	<u>51.50</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2960#10a	
	<u>81.40</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#11a	
	<u>93.20</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2960#12a	
	<u>126.40</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS		2960#13a	
	<u>153.20</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2960#14a	
	<u>165.00</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#15a	
	<u>165.70</u>	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES		2960#16a, b	S 4
	<u>198.90</u>	Crack Longitudinal, at 12 o'clock, within 8 inch: YES		2960#17a	S 2
	<u>206.80</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#18a	
	<u>215.70</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2960#19a	
	<u>221.20</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#20a	
	<u>249.10</u>	Crack Longitudinal, at 01 o'clock, within 8 inch: YES		2960#21a	S 2
	<u>257.00</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2960#22a	
	<u>259.60</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2960#23a	



Inspection report

Date: 20060328	P.O. #: Y0TV0506B	Weather: 3 Light rain	Surveyed By: J. NGO	section number: 742	PSR: 77845
Total Pipe Length: 490	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:627	position	observation	MPEG	photo	grade
	269.70	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	296024a		S 2
	281.60	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	296025a		S 2
	295.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	296026a		
	296.00	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	296027a		S 3
	300.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	296028a		
	320.00	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	296029a		S 2
	350.20	Materials Found-VCP			
	350.20	End of Segment			



Inspection report

Date: 20060330	P.O. ☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 588	PSR: 77836
Total Pipe Length: 218	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐: 1538

Street: 137TH ST	Flow Control:	Start MH: 1538-0037
City: ZLAS	Year Renewed:	End MH: 1538-0038
Location Code: B Main Highway - Suburban Rural	Tape Media ☐: 38	pipe length: 332.68 ft
Reason for inspection: F Routine Assessment		Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary		Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0037 1538-0038 1538		Lining Method:
		Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:38		
	<u>29.29</u>	Crack Circumferential, from 09 to 10 o'clock, within 8 inch: YES	00:01:33	2753☐2a	S 1
	30.41	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:57	2753☐3a	
	33.26	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:18	2753☐4a	
	66.62	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:00	2753☐5a	
	106.28	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:54	2753☐6a	
	114.83	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:29	2753☐7a	
	139.34	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:05:39	2753☐8a	
	<u>140.96</u>	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:16	2753☐9a	S 3
	154.69	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:45	2753☐10a	
	181.95	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:23	2753☐11a	
	187.44	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:47	2753☐12a	
	<u>225.69</u>	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:50	2753☐13a	S 4
	<u>237.99</u>	Joint Offset Large, from 11 to 05 o'clock	00:09:37	2753☐14a	S 2
	273.39	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:22	2753☐15a	
	<u>274.61</u>	Crack Multiple, from 01 to 03 o'clock, within 8 inch: YES	00:10:46	2753☐16a	S 3
	275.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:10	2753☐17a	
	309.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:53	2753☐18a	
	321.29	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:18	2753☐19a	
	<u>332.68</u>	Slight Circular Cracks Throughout Reach 10 ☐	00:12:45		S 1
	332.68	Materials Found-VCP	00:12:52		
	332.68	End of Segment	00:13:13		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	0000	14	0	14	2.33	0	2.33



Inspection report

Date: 20060220	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 429	PSR: 77961
Total Pipe Length: 122	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1537

Street: 116TH ST	Flow Control:	Start MH: 1537-0044
City: ZLAS	Year Renewed:	End MH: 1537-0067
Location Code: B Main Highway - Suburban Rural	Tape Media # 7	pipe length: 224.7 ft
Reason for inspection: F Routine Assessment		Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary		Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0044 1537-0067 1537		Lining Method:
		Category:

Remark: _____

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Level, 5' of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Mark, 5' of cross sectional area, from 05 to 07 o'clock			M 2
	13.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:52	63a	
	16.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:33	64a	
	51.80	Crack Multiple, from 07 to 03 o'clock, within 8 inch: YES	00:04:48	65a	S 3
	77.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:20	66a	
	79.30	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:07:35	67a	S 4
	80.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:14	68a	
	118.90	Crack Multiple, from 06 to 12 o'clock, within 8 inch: NO	00:10:37	69a	S 3
	126.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:08	70a	
	129.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:54	71a	
	181.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:05	72a	
	184.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:52	73a	
	224.70	HAIRLINE LONGITUDAL CRACKS THROUGHOUT THE REACH AT 5'	00:18:37		S 2
	224.70	HAIRLINE CIRCULAR CRACKS THROUGHOUT THE REACH AT 5'	00:19:26		S 1
	224.70	Materials Found VCP	00:19:52		
	224.70	End of Segment	00:20:18		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	13	4	17	2.6	2	2.43



Inspection report

Date: 20060412	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 196	PSR: 73745
Total Pipe Length: 229	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0027
City: ZLAS	Year Renewed:	End MH: 1592-0026
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 215.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0026 1592-0027 1592	Lining Method:
	Category:

Remark: _____

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Level, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Mark, 10' of cross sectional area, from 05 to 07 o'clock			M 2
	44.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:09	2357\4a	
	95.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:43	2357\5a	
	141.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark:	00:05:45	2357\6a	
	143.30	CRACK Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:06:48	2357\7a	S 3
	190.10	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:08:21	2357\8a	
	207.10	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:09:32	2357\9a	S 3
	210.10	Fracture Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:10:37	2357\10a, b	S 4
	215.30	Materials Found-VCP	00:11:39		
	215.30	End of Segment	00:11:58		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	10	4	14	3.33	2	2.8



Inspection report

Date: 20060309	P.O.☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 648	PSR: 77791
Total Pipe Length: 382	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐ 1538

Street: 124TH ST	Flow Control:	Start MH: 1538-0138
City: ZLAS	Year Renewed	End MH: 1538-0139
Location Code: B Main Highway - Suburban Rural	Tape Media ☐ 20	pipe length: 350.5 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0138 1538-0139 1538	Lining Method:
	Category:

Remark::

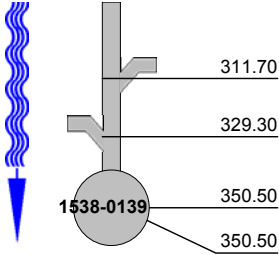
1:693	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 ☐ of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 ☐ of cross sectional area, from 05 to 07 o'clock			M 2
	4.60	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:01:14	2814☐4a, b	S 2
	5.20	Crack Circumferential, from 11 to 12 o'clock, within 8 inch: YES	00:01:53	2814☐5a	S 1
	25.50	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:49	2814☐6a	S 2
	34.10	Crack Circumferential, from 05 to 06 o'clock, within 8 inch: YES	00:03:23	2814☐7a	S 1
	40.10	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:03:45	2814☐8a	S 2
	47.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:11	2814☐9a	
	55.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:44	2814☐10a	
	60.30	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:05:16	2814☐11a, b	S 3
	84.90	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:06:13	2814☐12a	S 2
	98.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:53	2814☐13a	
	113.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:37	2814☐14a	
	148.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:50	2814☐15a	
	165.20	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:45	2814☐16a, b	S 3
	166.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:17	2814☐17a	
	182.80	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:11:08	2814☐18a	S 1
	209.90	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:12:34	2814☐19a, b	S 3
	211.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:07	2814☐20a	
	213.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:35	2814☐21a	
	263.00	Fracture Multiple, from 09 to 05 o'clock, within 8 inch: YES	00:15:25	2814☐22a, b	S 4
	264.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:16:03	2814☐23a	
	273.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:41	2814☐24a	



Inspection report

Date: 20060309	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 648	PSR: 77791
Total Pipe Length: 382	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1538

1:693	position	observation	MPEG	photo	grade
	311.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:18:01	2814□25a	
	329.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:50	2814□26a	
	350.50	Materials Found, VCP	00:19:41		
	350.50	End of Segment	00:19:58		



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	24	4	28	2.18	2	2.15



Inspection report

Date: 20060307	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 504	PSR: 77924
Total Pipe Length: 246	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1537

Street: ALLEY	Flow Control:	Start MH: 1537-0150
City: ZLAS	Year Renewed:	End MH: 1537-0152
Location Code: H Alley	Tape Media # 17	pipe length: 246.33 ft
Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8	
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe	Pipe Length:
Drain. Area: 0150 1537-0152 1537	Lining Method:	
	Category:	

Remark:.

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:21		
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:31		M 2
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:40		M 2
	100.28	Fracture Circumferential, from 04 to 08 o'clock, within 8 inch: YES	00:00:57	650a	S 2
	101.50	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES	00:02:32	651a	S 3
	101.50	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:43	652a	S 3
	103.74	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:03:05	653a	S 4
	114.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:33	654a	
	116.35	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:03:53	655a	S 3
	117.57	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:10	656a	
	169.54	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:59	657a	
	187.44	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACKED	00:05:27	658a	
	221.01	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:08	659a	
	223.55	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:26	660a	
	246.23	Slight Circular Cracks Throughout Reach 10	00:06:55		S 1
	246.23	Slight Longitudinal Cracks Throughout Reach 10	00:07:07		S 2
	246.23	Materials Found-VCP	00:07:13		
	246.23	End of Segment	00:07:24		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	18	4	22	2.57	2	2.44



Inspection report

Date: 20060329	P.O. □ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 597	PSR: 77846
Total Pipe Length: 259	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid □ 1538

Street: 134TH PL	Flow Control:	Start MH: 1538-0052
City: ZLAS	Year Renewed	End MH: 1538-0051
Location Code: B Main Highway - Suburban Rural	Tape/Media □ 36	pipe length: 168.22 ft

Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0051 1538-0052 1538	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:33		
	0.00	Water Level, 10 □ of cross sectional area, from 05 to 07 o'clock	00:00:44		M 2
	0.00	Water Mark, 10 □ of cross sectional area, from 05 to 07 o'clock	00:00:55		M 2
	57.16	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:46	2762□4a	
	89.50	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:02:55	2762□5a	S 1
	99.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:15	2762□6a	
	109.13	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:03:39	2762□7a	S 2
	110.66	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:04:17	2762□8a	S 4
	113.81	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:13	2762□9a	S 3
	135.27	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:06:00	2762□10a	S 3
	136.39	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:26	2762□11a	
	141.07	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:06:55	2762□12a	S 3
	142.08	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:16	2762□13a	
	154.08	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:41	2762□14a	
	161.81	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:38	2762□15a	S 2
	161.81	Obstacles External Pipe or Cable, 25 □ of cross sectional area, from 01 to 05 o'clock	00:09:18	2762□16a	M 4
	162.02	Crack Multiple, from 04 to 05 o'clock, within 8 inch: YES	00:09:43	2762□17a	S 3
	168.22	Inspection incomplete due to PIPE	00:10:59	2762□18a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	4122	21	8	29	2.63	2.67	2.64



Inspection report

Date: 20060412	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 189	PSR: 73740
Total Pipe Length: 294	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0026
City: ZLAS	Year Renewed	End MH: 1592-0024
Location Code: A Main Highway - Urban	Tape Media # 61	pipe length: 336.1 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0024 1592-0026 1592	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	30.10	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:01:08	2350 4a	S 3
	68.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:07	2350 5a	
	78.70	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:02:45	2350 6a, b	S 3
	104.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:34	2350 7a	
	162.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:54	2350 8a	
	206.60	Fracture Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:06:10	2350 9a, b	S 4
	207.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:41	2350 10a	
	261.40	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:08:11	2350 11a, b	S 3
	262.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:35	2350 12a	
	300.60	Crack Circumferential, from 03 to 06 o'clock, within 8 inch: YES	00:09:43	2350 13a, b	S 1
	300.60	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:10:09	2350 14a, b	S 3
	301.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:42	2350 15a	
	336.10	Materials Found-VCP	00:11:31		
	336.10	End of Segment	00:11:49		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	2200	17	4	21	2.83	2	2.63



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 701	PSR: 73640
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 132ND ST	Flow Control:	Start MH: 1592-0049
City: ZLAS	Year Renewed:	End MH: 1592-0048
Location Code: B Main Highway - Suburban Rural	Tape Media # 33	pipe length: 326.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0048 1592-0049 1592	Lining Method:
	Category:

Remark::

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	32.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:17	11264a	
	39.50	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:02:04	11265a	S 3
	40.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:37	11266a	
	129.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:54	11267a	
	139.70	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:05:44	11268a, b	S 3
	152.00	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:06:36	11269a, b	S 3
	153.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:15	11270a	
	192.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:15	11271a	
	193.70	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:08:58	11272a	S 3
	195.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:27	11273a	
	230.20	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:10:58	11274a	S 2
	231.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:27	11275a	
	232.80	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:12:39	11276a, b	S 4
	233.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:29	11277a	
	242.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:05	11278a	
	251.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:40	11279a	



Inspection report

Date: 20060323	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 701	PSR: 73640
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

1:726	position	observation	MPEG	photo	grade
	309.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:10	11280a	
	313.40	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:17:21	11281a, b	S 3
	314.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:58	11282a	
	320.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:18:29	11283a	
	322.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:19:06	11284a	
	326.70	Materials Found-VCP	00:19:42		
	326.70	End of Segment	00:19:56		



Inspection report

Date: 20060413	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 235	PSR: 73660
Total Pipe Length: 272	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 134TH PL	Flow Control:	Start MH: 1592-0068
City: ZLAS	Year Renewed:	End MH: 1592-0069
Location Code: B Main Highway - Suburban Rural	Tape Media # 63	pipe length: 263.6 ft

Reason for inspection: F Routine Assessment	Dia. Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0068 1592-0069 1592	Lining Method:
	Category:

Remark: _____

1:650	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 25 % of cross sectional area, from 04 to 08 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	5.00	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:00:49	2396 4a, b	S 3
	7.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:01:31	2396 5a, b	
	32.90	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:02:37	2396 6a, b	S 3
	33.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:10	2396 7a	
	44.80	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:03:51	2396 8a, b	S 3
	45.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:26	2396 9a	
	61.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:04	2396 10a	
	85.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:49	2396 11a	
	96.40	Fracture Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:06:28	2396 12a, b	S 4
	111.90	Crack Multiple, from 04 to 06 o'clock, within 8 inch: YES	00:07:18	2396 13a	S 3
	119.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:47	2396 14a	
	124.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:20	2396 15a	
	170.10	Fracture Longitudinal, at 09 o'clock, within 8 inch: YES	00:09:30	2396 16a, b	S 3
	176.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:07	2396 17a	
	195.00	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:10:48	2396 18a	
	228.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:11:42	2396 19a	
	263.60	General Observation 10% THROUGHOUT REACH WITH CRACKS	00:12:49		
	263.60	Materials Found-VCP	00:13:00		
	263.60	End of Segment	00:13:12		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4135	2200	19	4	23	3.17	2	2.88



Inspection report

Date: 20060316	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 551	PSR: 77765
Total Pipe Length: 140	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 125TH ST	Flow Control:	Start MH: 1538-0106
City: ZLAS	Year Renewed	End MH: 1538-0105
Location Code: B Main Highway - Suburban Rural	Tape/Media # 27	pipe length: 174.93 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0105 1538-0106 1538	Lining Method:
	Category:

Remark::

1:400	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:33		
	0.00	Water Level, 0 # of cross sectional area	00:00:41		M 2
	0.00	Water Mark, 0 # of cross sectional area	00:00:49		M 2
	13.12	Deposits Settled Compacted, 15 # of cross sectional area, from 01 to 06 o'clock, within 8 inch: YES	00:01:21	571a	M 3
	14.75	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: NO	00:01:58	572a	
	15.97	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:02:40	573a	S 4
	16.98	Tap Factory Made Defective, at 03 o'clock, 6", within 8 inch: YES, Remark: CONCRETE 100#	00:03:46	574a	M 2
	19.43	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:04:09	575a	
	74.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:05:09	576a	
	77.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:05:32	577a	
	116.86	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:06:10	578a	
	118.49	Crack Circumferential, from 12 to 05 o'clock, within 8 inch: YES	00:06:37	579a	S 1
	119.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:06:53	580a	
	168.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: NO	00:07:40	581a	
	174.93	Materials Found-VCP	00:07:57		
	174.93	End of Segment	00:08:08		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	3123	5	9	14	2.5	2.25	2.33



Inspection report

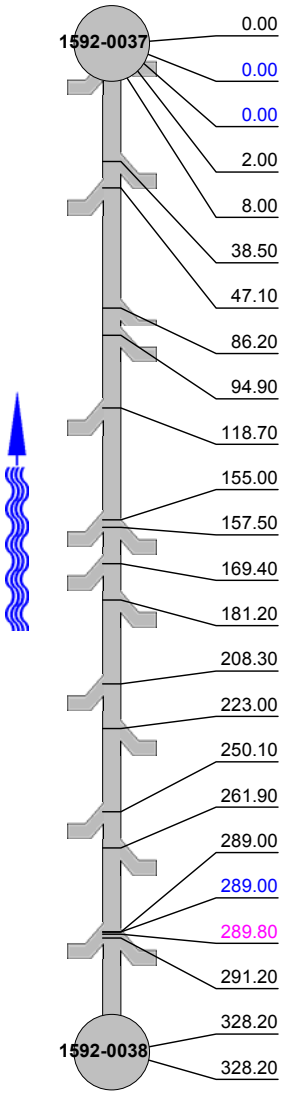
Date: 20060323	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 700	PSR: 73630
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: 130TH ST	Flow Control:	Start MH: 1592-0037
City: ZLAS	Year Renewed	End MH: 1592-0038
Location Code: B Main Highway - Suburban Rural	Tape/Media # 33	pipe length: 328.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0037 1592-0038 1592	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	2.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:00:43	11185a	
	8.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:14	11186a	
	38.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:03	11187a	
	47.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:30	11188a	
	86.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:27	11189a	
	94.90	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:03:56	11190a	
	118.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:31	11191a	
	155.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:24	11192a	
	157.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: VOID HOLE	00:05:54	11193a	
	169.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:23	11194a	
	181.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:53	11195a	
	208.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:40	11196a	
	223.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:11	11197a	
	250.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:52	11198a	
	261.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:19	11199a	
	289.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:03	11200a	
	289.00	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:10:29	11201a	S 2
	289.80	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:11:04	11202a, b	S 4
	291.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:45	11203a	
	328.20	Materials Found-VCP	00:12:43		
	328.20	End of Segment	00:12:59		



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	6	4	10	3	2	2.5



Inspection report

Date: 20060314	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 675	PSR: 77805
Total Pipe Length: 274	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 125TH ST	Flow Control:	Start MH: 1538-0153
City: ZLAS	Year Renewed	End MH: 1538-0152
Location Code: B Main Highway - Suburban Rural	Tape/Media # 24	pipe length: 246.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0152 1538-0153 1538	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:00:56	2862:4a	S 4
	52.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: roots	00:03:06	2862:5a	
	58.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:34	2862:6a	
	112.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:46	2862:7a	
	115.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:06	2862:8a	
	163.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:06:16	2862:9a	
	164.70	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:07:31	2862:10a	S 2
	166.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:45	2862:11a	
	220.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:58	2862:12a	
	223.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:19	2862:13a	
	246.50	Materials Found, VCP	00:10:03		
	246.50	End of Segment	00:10:20		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	6	4	10	3	2	2.5



Inspection report

Date: 20060330	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 625	PSR: 73683
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: 138TH ST	Flow Control:	Start MH: 1592-0091
City: ZLAS	Year Renewed	End MH: 1592-0092
Location Code: B Main Highway - Suburban Rural	Tape/Media # 38	pipe length: 331.56 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0091 1592-0092 1592	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:25		
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:36		M 2
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:44		M 2
	3.76	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:00:59	2790_4a	S 2
	4.37	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:01:34	2790_5a	S 4
	4.37	Roots Tap Joint, from 08 to 04 o'clock, 10 %, within 8 inch: YES	00:01:55	2790_6a	
	6.71	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS 50%	00:02:17	2790_7a	
	43.12	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:56	2790_8a	
	64.07	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:24	2790_9a	
	91.23	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:55	2790_10a	
	109.03	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:24	2790_11a	
	145.24	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:03	2790_12a	
	147.58	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:24	2790_13a	
	156.63	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:45	2790_14a	
	186.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:24	2790_15a	
	223.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:04	2790_16a	
	225.58	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:26	2790_17a	
	237.48	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:50	2790_18a	
	264.54	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:25	2790_19a	
	282.54	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:51	2790_20a	
	306.64	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:22	2790_21a	
	331.56	Materials Found-VCP	00:09:55		
	331.56	End of Segment	00:10:05		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	6	4	10	3	2	2.5



Inspection report

Date: 20060412	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 225	PSR: 73647
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0056
City: ZLAS	Year Renewed	End MH: 1592-0115
Location Code: A Main Highway - Urban	Tape/Media # 63	pipe length: 341.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0056 1592-0115 1592	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 25 of cross sectional area, from 04 to 08 o'clock	00:00:05		M 2
	21.80	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:36	2386 4a, b	S 4
	108.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:43	2386 5a	
	168.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:05:10	2386 6a	
	214.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:24	2386 7a	
	248.50	Fracture Circumferential, from 08 to 09 o'clock, within 8 inch: YES	00:07:26	2386 8a	S 2
	274.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:08:22	2386 9a	
	341.20	General Observation 10 TRHOUGHTOUT REACH WITH CRACKS	00:10:30		
	341.20	Materials Found-VCP	00:10:40		
	341.20	End of Segment	00:10:53		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	3121	6	5	11	3	2.5	2.75



Inspection report

Date: 20060214	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 416	PSR: 73703
Total Pipe Length: 59	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: FELTON AV	Flow Control:	Start MH: 1591-0332
City: ZLAS	Year Renewed	End MH: 1591-0331
Location Code: B Main Highway - Suburban Rural	Tape/Media # 2	pipe length: 44.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0331 1591-0332 1591	Lining Method:
	Category:

Remark::

1:100	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:32		
	6.00	Water Level, 5' of cross sectional area, from 05 to 07 o'clock	00:01:34		M 2
	6.00	Water Mark, 5' of cross sectional area, from 05 to 07 o'clock	00:01:44		M 2
	6.00	Fracture Circumferential, from 04 to 09 o'clock, within 8 inch: YES	00:01:57	357a	S 2
	6.00	Joint Offset Large, from 05 to 07 o'clock	00:02:14	358a	S 2
	6.51	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:02:54	359a	S 4
	44.95	Materials Found-VCP	00:03:35		
	44.95	End of Segment	00:03:45		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2200	8	4	12	2.67	2	2.4



Inspection report

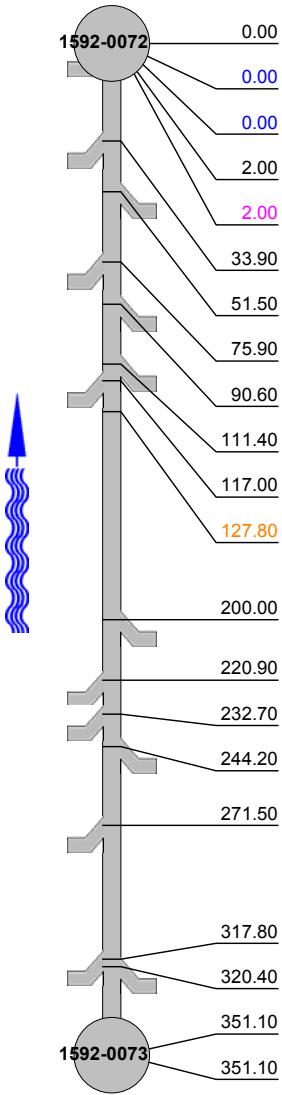
Date: 20060328	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 763	PSR: 73664
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: 135TH ST	Flow Control:	Start MH: 1592-0072
City: ZLAS	Year Renewed	End MH: 1592-0073
Location Code: B Main Highway - Suburban Rural	Tape/Media # 1	pipe length: 351.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0072 1592-0073 1592	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	2.00	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO, Remark: FRACTURE		2529a	
	2.00	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES		2530a, b	S 4
	33.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2531a	
	51.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2532a	
	75.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2533a	
	90.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: GREASE		2534a	
	111.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2535a	
	117.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2536a	
	127.80	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES		2537a, b	S 3
	200.00	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO		2538a	
	220.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2539a	
	232.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2540a	
	244.20	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO		2541a	
	271.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2542a	
	317.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO		2543a	
	320.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO		2544a	
	351.10	Materials Found-VCP			
	351.10	End of Segment			



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20060313	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 687	PSR: 77800
Total Pipe Length: 240	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 124TH PL	Flow Control:	Start MH: 1538-0147
City: ZLAS	Year Renewed	End MH: 1538-0146
Location Code: B Main Highway - Suburban Rural	Tape/Media # 22	pipe length: 272 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0146 1538-0147 1538	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	21.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:12	10824a	
	23.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:44	10825a	
	74.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:10	10826a	
	83.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:43	10827a	
	125.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:18	10828a	
	130.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:07:01	10829a	
	136.90	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:08:10	10830a, b	S 4
	183.70	Crack Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:09:58	10831a	S 3
	185.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:33	10832a	
	190.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:04	10833a	
	239.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:28	10834a	
	247.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:10	10835a	
	267.30	Crack Longitudinal, at 04 o'clock, within 8 inch: NO	00:14:17	10836a	S 2
	272.00	Materials Found, VCP	00:15:03		
	272.00	End of Segment	00:15:22		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	9	4	13	3	2	2.6



Inspection report

Date: 20060303	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 640	PSR: 77896
Total Pipe Length: 289	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1537

Street: 120TH ST	Flow Control:	Start MH: 1537-0125
City: ZLAS	Year Renewed	End MH: 1537-0126
Location Code: B Main Highway - Suburban Rural	Tape/Media # 14	pipe length: 350.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0125 1537-0126 1537	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	6.80	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:01:22	9487a, b	S 4
	7.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:26	9488a	
	10.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:29	9489a	
	22.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:10	9490a	
	46.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:06:17	9491a, b	
	105.90	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:08:19	9492a	
	105.90	Crack Multiple, from 12 to 03 o'clock, within 8 inch: YES	00:08:55	9493a	S 3
	175.60	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:11:05	9494a	
	214.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:25	9495a	
	217.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:06	9496a	
	277.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:46	9497a	
	280.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:22	9498a	
	338.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:17:00	9499a	
	340.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:32	9500a	
	350.10	Materials Found, VCP	00:18:22		
	350.10	End of Segment	00:18:39		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20060314	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 564	PSR: 77813
Total Pipe Length: 309	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 127TH ST	Flow Control:	Start MH: 1538-0161
City: ZLAS	Year Renewed	End MH: 1538-0162
Location Code: B Main Highway - Suburban Rural	Tape/Media # 25	pipe length: 279.18 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0161 1538-0162 1538	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:36		
	0.00	Water Level, 5 # of cross sectional area, from 05 to 07 o'clock	00:00:50		M 2
	0.00	Water Mark, 5 # of cross sectional area, from 05 to 07 o'clock	00:01:00		M 2
	6.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:32	48a	
	8.85	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:53	49a	
	45.87	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:31	50a	
	48.31	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:46	51a	
	110.25	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:40	52a	
	112.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:56	53a	
	162.12	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:41	54a	
	163.54	Crack Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:05:04	55a	S 3
	164.76	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:23	56a	
	220.09	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:13	57a	
	221.52	Crack Circumferential, from 12 to 03 o'clock, within 8 inch: YES	00:06:35	58a	S 1
	222.74	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:59	59a	
	271.96	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:46	60a	
	273.49	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:08:24	61a	S 4
	279.18	Materials Found-VCP	00:08:39		
	279.18	End of Segment	00:08:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	8	4	12	2.67	2	2.4



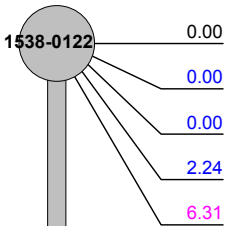
Inspection report

Date: 20060308	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 476	PSR: 77775
Total Pipe Length: 391	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 123RD ST	Flow Control:	Start MH: 1538-0122
City: ZLAS	Year Renewed	End MH: 1538-0123
Location Code: B Main Highway - Suburban Rural	Tape/Media # 18	pipe length: 357.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0122 1538-0123 1538	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:24		
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:35		M 2
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:42		M 2
	2.24	Crack Spiral, from 07 to 06 o'clock, within 8 inch: NO	00:01:12	752a	S 2
	6.31	Fracture Multiple, from 04 to 11 o'clock, within 8 inch: YES	00:01:48	753a	S 4
	103.13	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: ROOTS 40%	00:03:16	754a	
	105.27	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS 40%	00:03:44	755a	
	144.73	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:24	756a	
	150.32	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:44	757a	
	194.87	Roots Medium Joint, from 09 to 03 o'clock, 15 %, within 8 inch: YES	00:05:40	758a	
	196.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:01	759a	
	203.51	Roots Medium Joint, from 01 to 05 o'clock, 15 %, within 8 inch: YES	00:06:31	760a	
	214.19	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:51	761a	
	230.06	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES	00:07:31	762a	S 3
	262.71	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:07	763a	
	268.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS 40%	00:08:33	764a	
	307.86	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:13	765a	
	313.56	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:35	766a	
	357.60	Slight Circular Cracks Throughout Reach 10%	00:10:20		S 1
	357.60	Slight Longitudinal Cracks Throughout Reach 10%	00:10:30		S 2
	357.60	Materials Found-VCP	00:10:38		
	357.60	End of Segment	00:10:48		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	12	4	16	2.4	2	2.29



Inspection report

Date: 20060217	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: T.DIAZ	section number: 381	PSR: 73822
Total Pipe Length: 322	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: MANSEL AV	Flow Control:	Start MH: 1591-0158
City: ZLAS	Year Renewed	End MH: 1591-0160
Location Code: B Main Highway - Suburban Rural	Tape Media # 4	pipe length: 356.99 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0158 1591-0160 1591	Lining Method:
	Category:

Remark::

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	<u>0.00</u>	Water Level, 5' of cross sectional area, from 05 to 07 o'clock			M 2
	<u>0.00</u>	Water Mark, 5' of cross sectional area, from 05 to 07 o'clock			M 2
	9.46	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS 20'	00:01:27	791a	
	11.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:00	792a	
	<u>25.83</u>	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:01:59	802a	S 2
	<u>25.83</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:16	803a	S 2
	42.72	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:36	793a	
	45.36	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:10	794a	
	<u>71.50</u>	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:05:18	795a	S 3
	<u>87.06</u>	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:06:58	796a	S 4
	<u>87.26</u>	Fracture Circumferential, from 10 to 05 o'clock, within 8 inch: YES	00:08:04	797a	S 2
	88.79	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:36	798a	
	93.98	Tap Factory Made Active, at 10 o'clock, 5", within 8 inch: NO	00:09:12	799a	
	124.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:14	800a	
	155.61	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:38	801a	
	157.85	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:04	804a	
	201.07	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:53	805a	
	206.87	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:11	806a	
	246.84	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:01	807a	
	258.74	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:25	808a	
	356.99	Materials Found-VCP	00:10:09		
	356.99	End of Segment	00:10:30		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	13	4	17	2.6	2	2.43



Inspection report

Date: 20060409	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 258	PSR: 73565
Total Pipe Length: 277	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: 140TH ST	Flow Control:	Start MH: 1592-0103
City: ZLAS	Year Renewed:	End MH: 1592-0104
Location Code: B Main Highway - Suburban Rural	Tape Media # 57	pipe length: 333.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0103 1592-0104 1592	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	1592-0103	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	8.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:00:51	2419#4a	
	29.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:01:34	2419#5a	
	47.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:10	2419#6a	
	80.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:03	2419#7a	
	82.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:42	2419#8a	
	124.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:40	2419#9a	
	126.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:04	2419#10a	
	157.60	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:06:13	2419#11a	
	174.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:51	2419#12a	
	175.80	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:07:19	2419#13a, b	S 4
	177.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:53	2419#14a	
	222.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:01	2419#15a	
	227.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:27	2419#16a	
	261.80	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:32	2419#17a, b	S 3
	263.60	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:10:59	2419#18a	
	269.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:59	2419#19a	
	283.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:10:59	2419#20a	
	301.60	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:10:59	2419#21a	
	333.80	Materials Found-VCP	00:10:59		
	1592-0104	End of Segment	00:10:59		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20060410	P.O. #: Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 229	PSR: 73651
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1592

Street: INGLEWOOD AV	Flow Control:	Start MH: 1592-0069
City: ZLAS	Year Renewed:	End MH: 1592-0058
Location Code: A Main Highway - Urban	Tape/Media # 57	pipe length: 315.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0058 1592-0069 1592	Lining Method:
	Category:

Remark: _____

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 25 % of cross sectional area, from 04 to 08 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	52.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:01:37	2390□4a	
	113.10	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:03:09	2390□5a	
	157.90	Crack Multiple, from 09 to 11 o'clock, within 8 inch: YES	00:04:36	2390□6a	S 3
	158.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:00	2390□7a	
	173.10	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:05:50	2390□8a, b	S 4
	195.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:06:47	2390□9a	
	204.80	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:07:33	2390□10a, b	
	237.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:47	2390□11a	
	289.80	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:10:21	2390□12a	
	315.70	General Observation GREASE THROUGHOUT REACH 90%	00:11:16		
	315.70	General Observation CRACKS THOURGHOUT REACH 20%	00:11:42		
	315.70	Materials Found-VCP	00:11:52		
	315.70	End of Segment	00:12:07		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20060412	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 200	PSR: 73746
Total Pipe Length: 310	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0028
City: ZLAS	Year Renewed:	End MH: 1592-0027
Location Code: A Main Highway - Urban	Tape: Media # 61	pipe length: 210.7 ft

Reason for inspection: F Routine Assessment	Dia./Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0027 1592-0028 1592	Lining Method:
	Category:

Remark:

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 # of cross sectional area, from 05 to 07 o'clock	00:02:34		M 2
	0.00	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:01:34	2361#4a	S 4
	11.20	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:02:52	2361#5a	S 3
	58.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:33	2361#6a	
	106.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:06:05	2361#7a	
	155.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:56	2361#8a	
	203.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:40	2361#9a	
	210.70	Materials Found-VCP	00:10:28		
	210.70	End of Segment	00:10:49		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20060405	P.O.☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 106	PSR: 73764
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐: 1591

Street: TRURO AV	Flow Control:	Start MH: 1591-0252
City: ZLAS	Year Renewed:	End MH: 1591-0253
Location Code: B Main Highway - Suburban Rural	Tape Media ☐: 48	pipe length: 281.42 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0252 1591-0253 1591	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:32		
	0.00	Water Level, 10 ☐ of cross sectional area, from 05 to 07 o'clock	00:00:43		M 2
	0.00	Water Mark, 10 ☐ of cross sectional area, from 05 to 07 o'clock	00:00:53		M 2
	33.97	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:34	419a	
	33.97	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:01:58	420a	S 2
	33.97	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:12	421a	S 2
	36.51	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:29	422a	
	70.48	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:03:08	423a	S 1
	78.82	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	00:03:31	424a	S 1
	79.84	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:53	425a	
	86.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:15	426a	
	117.27	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:04:54	427a	
	127.13	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:05:33	428a	S 4
	160.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:11	429a	
	163.24	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:28	430a	
	174.53	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:07:10	431a	
	181.04	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:07:31	432a	S 2
	217.65	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:08:26	433a	S 3
	229.96	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:08:53	434a	S 1
	246.13	Crack Circumferential, from 08 to 12 o'clock, within 8 inch: YES	00:09:21	435a	S 1
	281.42	Slight Circular Cracks Throughout Reach 20☐	00:10:03		S 1
	281.42	Slight Longitudinal Cracks Throughout Reach 15☐	00:10:11		S 2
	281.42	Materials Found-VCP	00:10:19		
	281.42	End of Segment	00:10:29		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	20	4	24	1.82	2	1.85



Inspection report

Date: 20060404	P.O.☐ Y0TV0506B	Weather: 3 Light rain	Surveyed By: J.ALEJOS	section number: 74	PSR: 73573
Total Pipe Length: 281	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐ 1592

Street: 142ND ST	Flow Control:	Start MH: 1592-0112
City: ZLAS	Year Renewed	End MH: 1592-0113
Location Code: B Main Highway - Suburban Rural	Tape Media ☐ 46	pipe length: 307.25 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0112 1592-0113 1592	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:23		
	1592-0112				
	0.00	Water Level, 15 ☐ of cross sectional area, from 04 to 08 o'clock	00:00:34		M 2
	0.00	Water Mark, 15 ☐ of cross sectional area, from 04 to 08 o'clock	00:00:41		M 2
	13.12	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:01	327a	
	36.92	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:29	329a	
	39.56	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:45	328a	
	94.18	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:40	330a	
	96.52	Tap Factory Made Defective, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:03:05	331a	M 2
	132.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:46	332a	
	156.93	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:15	333a	
	174.73	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:39	334a	
	185.51	Fracture Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:05:14	335a	S 4
	189.68	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:35	336a	
	219.79	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:10	337a	
	231.58	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:06:35	338a	
	255.49	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:06	339a	
	276.44	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:33	340a	
	281.22	Crack Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:07:59	341a	S 3
	300.34	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:25	342a	
	301.76	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:08:55	343a	S 2
	307.25	Slight Circular Cracks Throughout Reach 10☐	00:09:11		S 1
	307.25	Materials Found-VCP	00:09:18		
	1592-0113				
	307.25	End of Segment	00:09:30		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2300	10	6	16	2.5	2	2.29



Inspection report

Date: 20060314	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 530	PSR: 84782
Total Pipe Length: 366	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1537

Street: 121ST ST	Flow Control:	Start MH: 1537-0060
City: ZLAS	Year Renewed	End MH: 1591-0056
Location Code: B Main Highway - Suburban Rural	Tape/Media # 25	pipe length: 340 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0056 1591-0060 1537	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins	00:00:25		
	0.00	Water Level, 5 # of cross sectional area, from 05 to 07 o'clock	00:00:35		M 2
	0.00	Water Mark, 5 # of cross sectional area, from 05 to 07 o'clock	00:00:44		M 2
	20.85	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:04	204a	
	29.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:23	205a	
	75.47	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:07	206a	
	78.31	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:28	207a	
	127.03	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:22	208a	
	132.73	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:40	209a	
	177.17	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:04:40	210a	S 4
	178.39	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:57	211a	
	184.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:15	212a	
	233.11	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:59	213a	
	257.52	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:36	214a	
	284.78	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:16	215a	
	336.55	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:21	216a	
	340.00	Materials Found-VCP	00:08:38		
	340.00	End of Segment	00:08:47		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060413	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 304	PSR: 73792
Total Pipe Length: 272	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: LENNOX BL	Flow Control:	Start MH: 1591-0290
City: ZLAS	Year Renewed	End MH: 1591-0289
Location Code: A Main Highway - Urban	Tape/Media # 65	pipe length: 213.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0289 1591-0290 1591	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	13.00	Fracture Multiple, from 10 to 06 o'clock, within 8 inch: YES	00:01:22	24654a, b	S 4
	39.10	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:02:21	24655a	
	87.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:33	24656a	
	120.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:04:28	24657a	
	155.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:29	24658a	
	206.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:46	24659a	
	213.70	Materials Found-VCP	00:07:15		
213.70	End of Segment	00:07:28			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060418	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 303	PSR: 73784
Total Pipe Length: 203	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: DALEROSE AV	Flow Control:	Start MH: 1591-0278
City: ZLAS	Year Renewed	End MH: 1591-0279
Location Code: B Main Highway - Suburban Rural	Tape/Media # 71	pipe length: 278.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0278 1591-0279 1591	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 of cross sectional area, from 05 to 07 o'clock			M 2
	21.80	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:02:28	2464□5a	
	24.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:49	2464□6a	
	66.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS	00:03:53	2464□7a	
	68.20	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:04:32	2464□8a, b	S 4
	69.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:05:18	2464□9a	
	107.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:18	2464□10a	
	110.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:39	2464□11a	
	146.80	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:07:35	2464□12a	
	149.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:57	2464□13a	
	176.50	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:08:54	2464□14a	
	191.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:27	2464□15a	
	193.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:48	2464□16a	
	229.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:41	2464□17a	
	232.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:03	2464□18a	
	264.80 S1	Roots Medium Joint, at 05 o'clock, 10 □, within 8 inch: YES, start	00:12:13	2464□19a	
	278.50	Roots Medium Joint, at 05 o'clock, 10 □, within 8 inch: YES, end	00:14:10	2464□20a	
	278.50	Materials Found-VCP	00:14:24		
	278.50	End of Segment	00:14:44		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060405	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 283	PSR: 73874
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: 112TH ST	Flow Control:	Start MH: 1591-0232
City: ZLAS	Year Renewed	End MH: 1591-0231
Location Code: B Main Highway - Suburban Rural	Tape/Media # 51	pipe length: 336.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0231 1591-0232 1591	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 # of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 0 of cross sectional area			M 2
	11.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:31	2444#4a	
	35.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:15	2444#5a	
	39.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:50	2444#6a	
	75.20	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:03:51	2444#7a	
	84.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:21	2444#8a	
	116.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:14	2444#9a	
	123.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:46	2444#10a	
	134.00	Fracture Multiple, from 11 to 12 o'clock, within 8 inch: YES	00:06:21	2444#11a	S 4
	159.30	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:07:13	2444#12a	
	191.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:04	2444#13a	
	197.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:32	2444#14a	
	206.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:05	2444#15a	
	218.50	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	00:10:01	2444#16a	
	244.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:10:54	2444#17a	
	247.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:22	2444#18a	
	276.90	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:12:16	2444#19a	
	318.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:22	2444#20a	
	321.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:50	2444#21a	
	326.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:25	2444#22a	
	329.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:14:54	2444#23a	
	336.20	Materials Found-VCP	00:15:23		
	336.20	End of Segment	00:15:36		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060425	P.O.☐ Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 232	PSR: 78046
Total Pipe Length: 104	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐ 1536

Street: LA CIENEGA BL	Flow Control:	Start MH: 1536-0016
City: ZLAS	Year Renewed	End MH: 1537-0063
Location Code: A Main Highway - Urban	Tape/Media ☐ 77	pipe length: 105.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0063 1537-0016 1536	Lining Method:
	Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	1536-0016	Upstream Manhole, Survey Begins			
	0.00				
	0.00	Water Mark, 10 ☐ of cross sectional area, from 04 to 08 o'clock	00:01:15		M 2
	0.00	Water Level, 10 ☐ of cross sectional area, from 05 to 07 o'clock			M 2
	102.30	Fracture Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:04:49	2393☐4a, b	S 4
	1537-0063	Materials Found-VCP	00:05:48		
	105.70				
	105.70	End of Segment	00:06:09		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060412	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 203	PSR: 84792
Total Pipe Length: 152	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1538-0082
City: ZLAS	Year Renewed	End MH: 1592-0028
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 179.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0028 1592-0082 1538	Lining Method:
	Category:

Remark::

1:400	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 50 % of cross sectional area, from 03 to 09 o'clock			M 3
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	35.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: CRACK	00:01:11	23644a, b	
	84.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:02:24	23645a	
	132.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:34	23646a	
	146.10	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:30	23647a, b	S 4
	147.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:14	23648a	
	179.10	Materials Found-VCP	00:06:04		
	179.10	End of Segment	00:06:20		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3121	4	5	9	4	2.5	3



Inspection report

Date: 20060412	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 202	PSR: 73747
Total Pipe Length: 33	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: EL SEGUNDO BL	Flow Control:	Start MH: 1592-0028
City: ZLAS	Year Renewed:	End MH: 1592-0029
Location Code: A Main Highway - Urban	Tape/Media # 61	pipe length: 36.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0028 1592-0029 1592	Lining Method:
	Category:

Remark::

1:100	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Level, 10" of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Mark, 10" of cross sectional area, from 05 to 07 o'clock			M 2
	4.00	Deposits Attached Grease, 5" of cross sectional area, from 05 to 06 o'clock, within 8 inch: YES	00:00:47	2363-4a	M 2
	19.40	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:02:10	2363-5a, b	S 4
	36.70	Materials Found-VCP	00:03:04		
	36.70	End of Segment	00:03:18		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2300	4	6	10	4	2	2.5



Inspection report

Date: 20060403	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 179	PSR: 77878
Total Pipe Length: 176	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 139TH ST	Flow Control:	Start MH: 1538-0020
City: ZLAS	Year Renewed	End MH: 1538-0021
Location Code: B Main Highway - Suburban Rural	Tape/Media # 47	pipe length: 278.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0020 1538-0021 1538	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 0 of cross sectional area			M 2
	0.00	Water Level, 0 of cross sectional area			M 2
	34.30	Fracture Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:02:03	234014a, b	S 4
	56.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:45	234015a	
	68.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:22	234016a	
	101.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:23	234017a	
	131.60	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: NO	00:05:33	234018a	
	151.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:17	234019a	
	175.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:09	234020a	
	198.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:07:57	234021a	
	201.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: FRACTURE	00:08:55	234022a, b	
	220.70	Roots Tap Joint, at 02 o'clock, 5", within 8 inch: NO	00:09:42	234023a	
	226.70	Roots Tap Joint, at 11 o'clock, 5", within 8 inch: YES	00:10:26	234024a	
	246.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:11:27	234025a	
	251.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:02	234026a	
	260.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:42	234027a	
	278.50	Materials Found-VCP	00:13:22		
	278.50	End of Segment	00:13:35		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060410	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 171	PSR: 73730
Total Pipe Length: 351	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1592

Street: 130TH ST	Flow Control:	Start MH: 1592-0035
City: ZLAS	Year Renewed	End MH: 1592-0017
Location Code: B Main Highway - Suburban Rural	Tape/Media # 59	pipe length: 311.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0017 1592-0035 1592	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	0.00	Water Mark, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 o'clock of cross sectional area, from 05 to 07 o'clock			M 2
	18.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:00:58	233214a	
	55.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET	00:02:01	233215a	
	60.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:10	233216a	
	69.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:10	233217a	
	72.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:10	233218a	
	108.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:10	233219a	
	113.70	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:10	233210a	
	149.00	Fracture Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:02:10	233211a, b	S 4
	150.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:10	233212a	
	152.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:10	233213a	
	223.50	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO	00:03:47	233214a	
	235.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:20	233215a	
	311.40	Materials Found-VCP	00:06:42		
	311.40	End of Segment	00:06:58		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060413	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 122	PSR: 74069
Total Pipe Length: 355	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: BURL AV	Flow Control:	Start MH: 1591-0319
City: ZLAS	Year Renewed	End MH: 1590-0037
Location Code: B Main Highway - Suburban Rural	Tape/Media # 58	pipe length: 299.42 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0319 1591-0037 1590	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:28		
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock	00:00:44		M 2
	0.00	Water Mark, 15 % of cross sectional area, from 05 to 07 o'clock	00:00:54		M 2
	55.12	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO, Remark: ROOTS 100%	00:02:26	1162a	
	77.91	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:05	1163a	
	80.55	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:20	1164a	
	105.37	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:04:59	1165a	
	106.18	Hole, from 02 to 04 o'clock, within 8 inch: YES	00:05:02	1166a	S 4
	126.42	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:02	1167a	
	132.01	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:02	1168a	
	156.22	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:02	1169a	
	158.76	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:02	1170a	
	198.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:02	1171a	
	201.17	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:02	1172a	
	244.09	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:02	1173a	
	247.04	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:02	1174a	
	283.35	Tap Break-In Active, at 01 o'clock, 6", within 8 inch: NO	00:05:02	1175a	
	289.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:02	1176a	
	292.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:02	1177a	
	299.42	Materials Found-VCP	00:05:02		
	299.42	End of Segment	00:05:02		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20060420	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J.ALEJOS	section number: 98	PSR: 73860
Total Pipe Length: 335	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1591

Street: INGLEWOOD AV	Flow Control:	Start MH: 1591-0214
City: ZLAS	Year Renewed	End MH: 1591-0213
Location Code: F Sidewalk	Tape/Media # 68	pipe length: 326.37 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0213 1591-0214 1591	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins	00:00:24		
	0.00	Water Level, 15 % of cross sectional area, from 04 to 08 o'clock	00:00:35		M 2
	0.00	Water Mark, 20 % of cross sectional area, from 04 to 08 o'clock	00:00:46		M 2
	17.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:01:42	1712a	
	41.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:53	1713a	
	81.06	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:04:39	1714a	
	87.87	Broken, from 11 to 01 o'clock, within 8 inch: YES	00:05:24	1715a, b	S 4
	149.81	Deposits Attached Grease, 15 % of cross sectional area, from 08 to 09 o'clock, within 8 inch: YES	00:07:34	1716a	M 3
	150.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	00:07:54	1717a	
	165.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:35	1718a	
	208.09	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:56	1719a	
	210.73	Deposits Attached Grease, 10 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: YES	00:10:24	1720a	M 2
	224.57	Deposits Attached Grease, 15 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:11:06	1721a	M 3
	230.77	Deposits Attached Grease, 15 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: NO	00:11:25	1722a	M 3
	326.37	Light Grease Throughout Reach 40'	00:14:43		M 2
	326.37	Materials Found-VCP	00:14:50		
	326.37	End of Segment	00:14:59		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3324	4	17	21	4	2.43	2.63



Inspection report

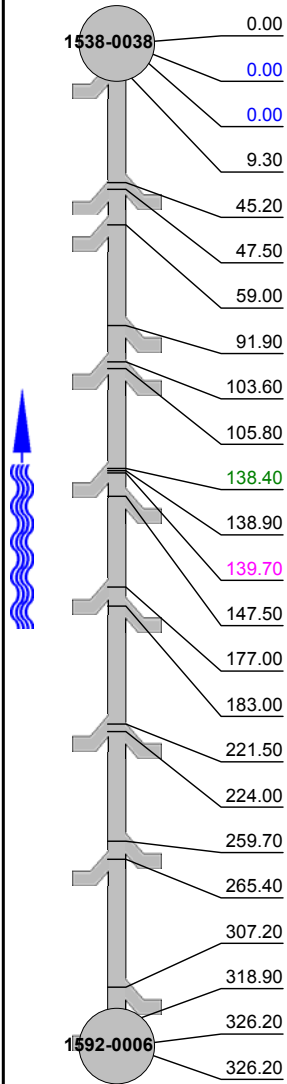
Date: 20060330	P.O. # Y0TV0506B	Weather: 1 Dry	Surveyed By: J. NGO	section number: 740	PSR: 84785
Total Pipe Length: 353	Survey Customer: LACDPW	System Owner: ZLAS	Clean Date:	Pre-Cleaned: J Jetting	Map Grid # 1538

Street: 137TH ST	Flow Control:	Start MH: 1538-0038
City: ZLAS	Year Renewed	End MH: 1592-0006
Location Code: B Main Highway - Suburban Rural	Tape/Media # 1	pipe length: 326.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0006 1592-0038 1538	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins			
	0.00	Water Mark, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	0.00	Water Level, 10 % of cross sectional area, from 05 to 07 o'clock			M 2
	9.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2958	4a	
	45.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	5a	
	47.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	2958	6a	
	59.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2958	7a	
	91.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	8a	
	103.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: DEBRIS	2958	9a	
	105.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	10a	
	138.40	Crack Circumferential, from 03 to 06 o'clock, within 8 inch: YES	2958	11a	S 1
	138.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: OFFSET FRACTURE	2958	12a	
	139.70	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	2958	13a	S 4
	147.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	14a	
	177.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: GREASE	2958	15a	
	183.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	16a	
	221.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2958	17a	
	224.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	18a	
	259.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	19a	
	265.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2958	20a	
	307.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	2958	21a	
	318.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	2958	22a	
	326.20	Materials Found-VCP			
	326.20	End of Segment			



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	IN PROGRESS
2007-2008	Y0TV0708G	359,110	IN PROGRESS
2008-2009	Y0TV0809D	116,855	IN PROGRESS
2009-2010	Y0TV0910A	139,245	
2009-2010	Y0TV0910D	300,619	
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