

September 3, 2008

TO: Nicholas Agbobu  
Engineering, Budget, and Office Operations

 FROM: Robert Swartz  
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT  
CONDITION ASSESSMENT PROGRAM REPORT  
PROJECT Y0TV0708B**

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 253,931 feet or approximately 14.7 percent of the sewer system within Unincorporated County Supervisorial Districts 1 and 4.

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP). The attached report outlines the structural and maintenance ratings of your system based on PACP'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 Infrastructure 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.

PK:kk

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Attach.

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

PROJECT NAME:	Y0TV0708B	PROJECT MGR:	Marzena Laskowska
PROJECT DATE:	11/05-01/23/08	CONTACT NO:	(626) 300-3348
SUP. DISTRICT(s):	1 & 4	MAP PAGE(S):	2076, 2077, 2023, 2024, 2025
Report By:	Phyo Kyaw	Report Date:	08/18/08

**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 253,931 feet or 14.7 percent of the Unincorporated County of Los Angeles’ sewer system within the Supervisorial District 1 and 4.

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

**PROJECT AREA AND DESCRIPTION**

Project Y0TV0708B included sewer lines located in both Unincorporated County of Los Angeles area and the City of Santa Fe Springs. 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 requires immediate attention. A detailed breakdown of the five possible defect grades is as follows:

<b>Grade</b>	<b>Description</b>	<b>Estimate time to Failure</b>
<b>1:</b>	<b>EXCELLENT: Minor Defects.</b>	Unlikely in the foreseeable future
<b>2:</b>	<b>GOOD: Defects that have not begun to deteriorate.</b>	20 years or more
<b>3:</b>	<b>FAIR: Moderate defects that will continue to deteriorate.</b>	10 to 20 years
<b>4:</b>	<b>POOR: Sever defects that will become grade 5 defects within the foreseeable future.</b>	5 to 10 years
<b>5:</b>	<b>IMMEDIATE ATTENTION: Defects requiring immediate attention.</b>	Has failed or will likely fail within the next 5 years

## MAINTENANCE REPORT

Our inspection revealed that approximately 93.1 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 6.9 percent of the inspected pipe segments within the Unincorporated County of Los Angeles 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 and outlining the observation from the CCTV inspection and the corrective action to be taken by our maintenance staff.

### QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	160,525	63.2	742
2: Good	55,342	21.8	221
3: Fair	20,503	8.1	76
4: Poor	13,278	5.2	55
5: Immediate Attention	4,283	1.7	16
TOTAL	253,931	100.0	1110

## STRUCTURAL REPORT

Our inspection revealed that approximately 94 percent of the inspected pipe segments within the Unincorporated County of Los Angeles were free of severe structural defects. However, the remaining 6 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 58 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 58 segments are included in Enclosure 4.

### QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	168,429	66.3	768
2: Good	20,897	8.2	84
3: Fair	49,572	19.5	200
4: Poor	7,518	3.0	27
5: Immediate Attention	7,515	3.0	31
TOTAL	253,931	100.0	1110

## **FUTURE PROJECTS**

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the Unincorporated County of Los Angeles Supervisorial District 1 and 4. For your reference, the CCTV Sewer Inspection project schedule for the Unincorporated County of Los Angeles Supervisorial District 1 and 4 is listed in Enclosure 5.

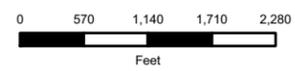
ENCLOSURE 1:

Project Overview Map

**CCTV PROJECT  
PROJECT OVERVIEW MAP**

**YOTV0708B**

Supervisorial  
District 1 & 4  
Santa Fe Springs &  
County Unincorporated



**Legend**

**SMD Sanitary Sewers**

- Other
- 6
- 8
- 10
- 12
- 15
- 18

**SMD Manholes**

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

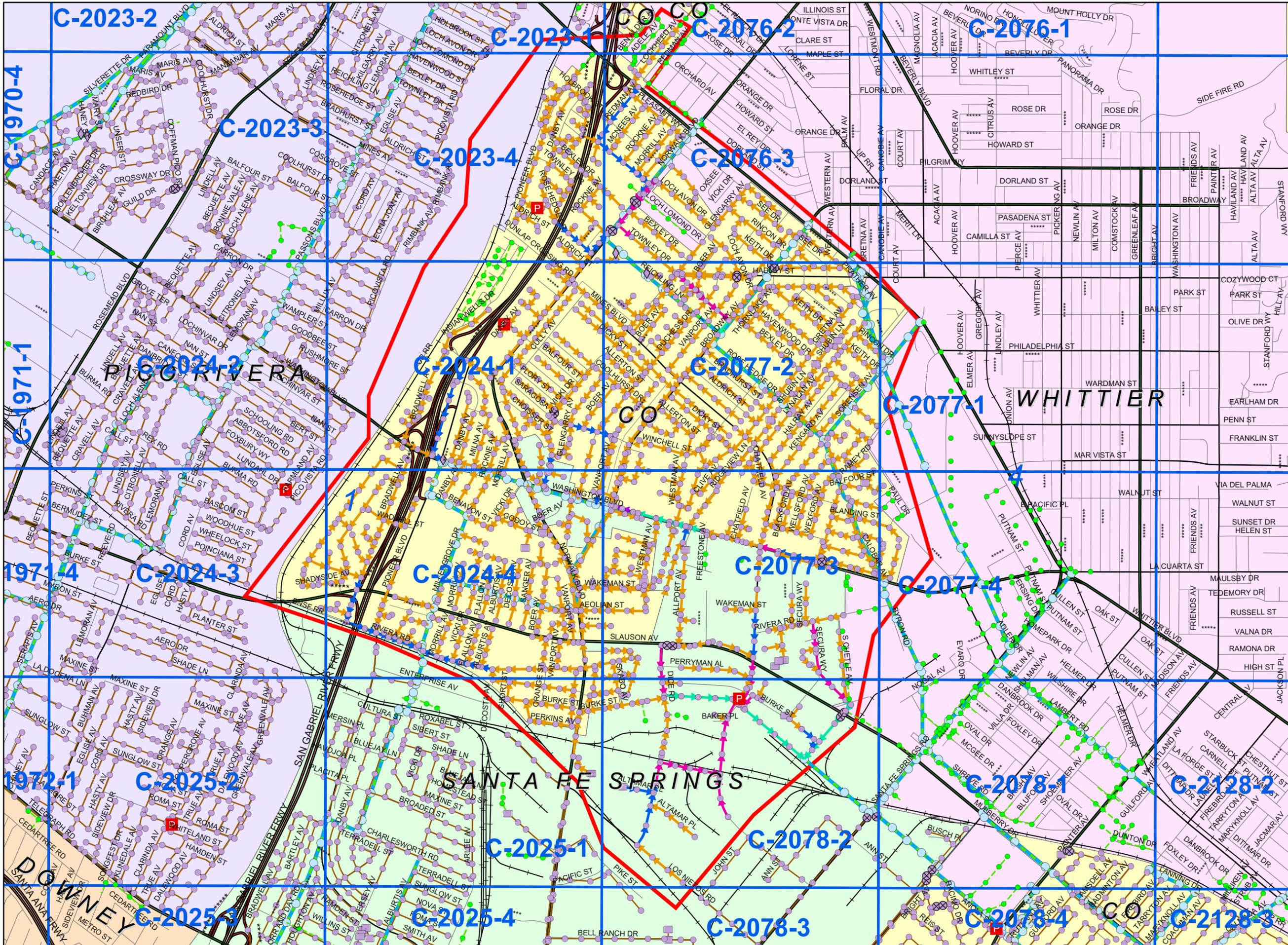
- WTP SMD Treatment Plants

**Maintained by Others:**

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW\_SMD.nosmd\_mh
- Parcel Boundary
- SMD Operations Maps
- CCTV Project Area

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October 09, 2007



## ENCLOSURE 2:

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

ENCLOSURE 2  
 QUICK MAINTENANCE RATING REPORT PRIORITY LIST  
 UNINCORPORATED LOS ANGELES COUNTY SUPERVISORIAL DISTRICT 1 & 4 (Y0TV0708B)  
 as of 01/23/08

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5241	2076-0025	2076-0026	TOWNLEY DR	Deposits	Hydrojet (Completed 6/18/08)
2	5241	2077-0008	2076-0026	TOWNLEY DR	Roots and deposits	Hydrojet (Completed 6/19/08)
3	5200	2077-0008	2077-0013	GLENGARRY AV	Rootball	Rodder (Completed 6/19/08)
4	5143	2077-0070	2077-0071	BROADWAY RD	Roots and deposits	Hydrojet (Completed 6/24/08)
5	5131	2024-0572	2024-0570	NORWALK BV	Rootball and roots	Rodder (Completed 6/18/08)
6	5142	2077-0072	2077-0073	BROADWAY RD	Roots and deposits	Hydrojet (Completed 6/19/08)
7	5131	2023-0748	2023-SOUTH	EASEMENT by LOCH AVON and DANBY	Rootball and roots	Rodder (Completed 6/25/08)
8	5125	2023-0788	2023-0787	TOWNLEY DR	Deposits	Rodder (Completed 11/21/07)
9	5111	2077-0027	2077-0028	EASEMENT by BOER and TOWNLEY DR	Deposits	Hydrojet (Completed 6/18/08)
10	5100	2025-0471	2024-0517	ALLEY by NORWALK and WALNUT ST	Deposits	Hydrojet (Completed 7/03/08)
11	5100	2077-0082	2077-0365	EASEMENT by CEDARCLIFF and ALDRICH	Grease	Hydrojet (Completed 6/26/08)
12	4400	2024-0497	2024-0494	RIVERA RD	Camera underwater	Hydrojet (Completed 6/20/08)
13	4B00	2076-0027	2076-0023	NORWALK BV	Camera underwater	Hydrojet (Completed 6/20/08)
14	4500	2023-0765	2023-0769	EASEMENT by 605 FWY	Camera underwater	Hydrojet (Completed 6/20/08)
15	4400	2024-0503	2024-0502	RIVERA RD	Camera underwater	Hydrojet (Completed 6/20/08)
16	4331	2024-0753	2024-0754	EASEMENT by VICKI and CHOISSER ST	Roots	Hydrojet (Completed 6/18/08)
17	4331	2024-0823	2024-0824	NORWALK BV	Camera underwater	Hydrojet (Completed 6/18/08)
18	4233	2077-0039	2077-0038	VANPORT AV	Roots	Hydrojet (Completed 6/19/08)
19	4231	2077-0073	2077-0074	BROADWAY RD	Roots	Hydrojet (Completed 6/19/08)
20	4231	2077-0450	2077-0451	BALFOUR ST	Debris at end manhole	Clean manhole (Completed 6/24/08)
21	4135	2024-0755	2024-0760	VICKI DR	Roots	Hydrojet (Completed 6/18/08)
22	4133	2076-0015	2077-0015	BOER AV	Roots	Hydrojet (Completed 6/19/08)
23	4132	2023-0766	2023-0765	MILNA AV	Roots	Hydrojet (Completed 6/24/08)
24	4132	2023-0768	2023-0769	REDMAN DR	Roots	Hydrojet (Completed 6/18/08)
25	4132	2024-0686	2024-0685	BRADWELL AV	Roots and grease	Hydrojet (Completed 6/18/08)
26	4132	2024-0751	2024-0752	EASEMENT between SARAGOSA ST and CHOISSER ST	Roots	Hydroject (Completed 6/18/08)

27	4131	2024-0769	2024-0896	VICKI DR	Roots	Hydrojet (Completed 6/18/08)
28	4131	2024-0770	2024-0769	VICKI DR	Roots	Hydrojet (Completed 6/18/08)
29	4131	2024-0896	2024-0766	VICKI DR	Roots	Hydrojet (Completed 6/18/08)
30	4131	2077-0025	2077-0279	HADLEY ST	Roots	Hydrojet (Completed 6/19/08)
31	4131	2077-0051	2077-0050	BOER AV	Roots	Hydrojet (Completed 6/19/08)
32	412X	2076-0020	2076-0021	BEXLEY DR	Camera underwater	Hydrojet (Completed 7/01/08)
33	412L	2077-0486	2077-0485	WASHINGTON BV	Deposits	Hydrojet (Completed 1/08/08)
34	4121	2023-0747	2023-0746	EASEMENT by LOCH AVON and 605 FWY	Roots	Hydrojet (Completed 6/25/08)
35	411A	2077-0050	2077-0105	BOER AV	Roots	Rodder (Completed 11/01/07)
36	4112	2077-0400	2077-0404	WELLSFORD AVE	High water mark	No action needed.
37	4111	2076-0011	2077-0020	LOCH AVON DR	Roots	Hydrojet (Completed 6/24/08)
38	4100	2024-0509	2024-0508	RIVERA RD	Deposits	Hydrojet (Completed 7/08/08)
39	4100	2024-0514	2024-0513	RIVERA RD	Deposits	Hydrojet (Completed 7/03/08)
40	4100	2024-0691	2024-0690	BRADWELL AV	Roots	Hydrojet (Completed 6/24/08)
41	4100	2077-0038	2077-0070	EASEMENT between VANPORT AVE and BROADWAY AVE	High water level	Hydrojet (Completed 6/19/08)
42	4100	2077-0111	2077-0112	VANPORT AV	Rust scaling (Cast-iron pipe)	Hydrojet (Completed 6/26/08)
43	4100	2077-0223	2077-0209	NAN ST	High water mark	No action needed.
44	4100	2077-0310	2077-0305	HAVENWOOD DR	Obstacle (Broken pipe)	Point repair needed. No maintenance action at this time.
45	4100	2077-0572	2077-0556	WASHINGTON BLVD	High water mark	No action needed.

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.

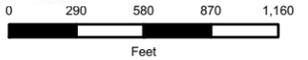
Item No.	QMR	Start MH	End MH	Street	Observation
1	5241	2024-0512	2024-0511	RIVERA RD	Deposits in lateral
2	5200	2024-0511	2024-0510	RIVERA RD	Deposits in lateral
3	5142	2024-0513	2024-0512	RIVERA RD	Deposits in lateral
4	5121	2024-0519	2024-0520	NORWALK BV	Deposits in lateral
5	5113	2023-0777	2023-0800	ROSE HEDGE DR	Roots in lateral
6	4431	2077-0141	2077-0142	EASEMENT by DICKY and CEDARCLIFF	Roots in lateral
7	4234	2077-0300	2077-0299	KEITH DR	Roots in lateral
8	4231	2077-0033	2077-0034	DUCHESS DR	Roots in lateral
9	4216	2023-0749	2023-0750	ALLEY between PIONEER and DANBY	Roots in lateral
10	4211	2024-0805	2077-0086	MINES BV	Roots in lateral
11	4200	2024-0679	2024-0680	SHADYSIDE AV	Roots in lateral
12	4200	2024-0508	2024-0507	RIVERA RD	Deposits in lateral
13	4132	2076-0013	2076-0014	LOCH AVON DR	Roots in lateral
14	4131	2076-0128	2076-0127	EASEMENT by WHITTER and GLENGARRY	Roots in lateral
15	4131	2077-0035	2077-0034	DUCHESS DR	Roots in lateral
16	4131	2077-0095	2077-0141	EASEMENT between MINES and DICKY	Roots in lateral
17	4114	2076-0139	2076-0138	KEITH DR	Roots in lateral
18	4112	2023-0766	2023-SOUTH	MILNA AV	Roots in lateral
19	4112	2025-0449	2025-0448	WALNUT ST	Roots in lateral
20	4112	2077-0022	2077-0023	HADLEY ST	Roots in lateral
21	4111	2077-0022	2077-0027	BOER AV	Roots in lateral
22	4100	2024-0854	2024-0852	ALLEY by BRADWELL and WASHINGTON	Roots in lateral
23	4100	2023-0761	2023-0762	EASEMENT between DANBY and MILNA	Roots in lateral
24	4100	2077-0123	2077-0124	BROADWAY RD	Roots in lateral
25	4100	2024-0856	2024-0855	BRADWELL AV	Roots in lateral
26	4100	2077-0074	2077-0075	BROADWAY RD	Roots in lateral

# ENCLOSURE 2

## CCTV PROJECT YOTV0708B

Supervisorial  
District 4  
County Unincorporated

## QUICK MAINTENANCE RATING (QMR)



### Legend

#### SMD Sanitary Sewers

#### QMR

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

#### SMD Manholes

- Unincorporated County
- Other

#### MH Type

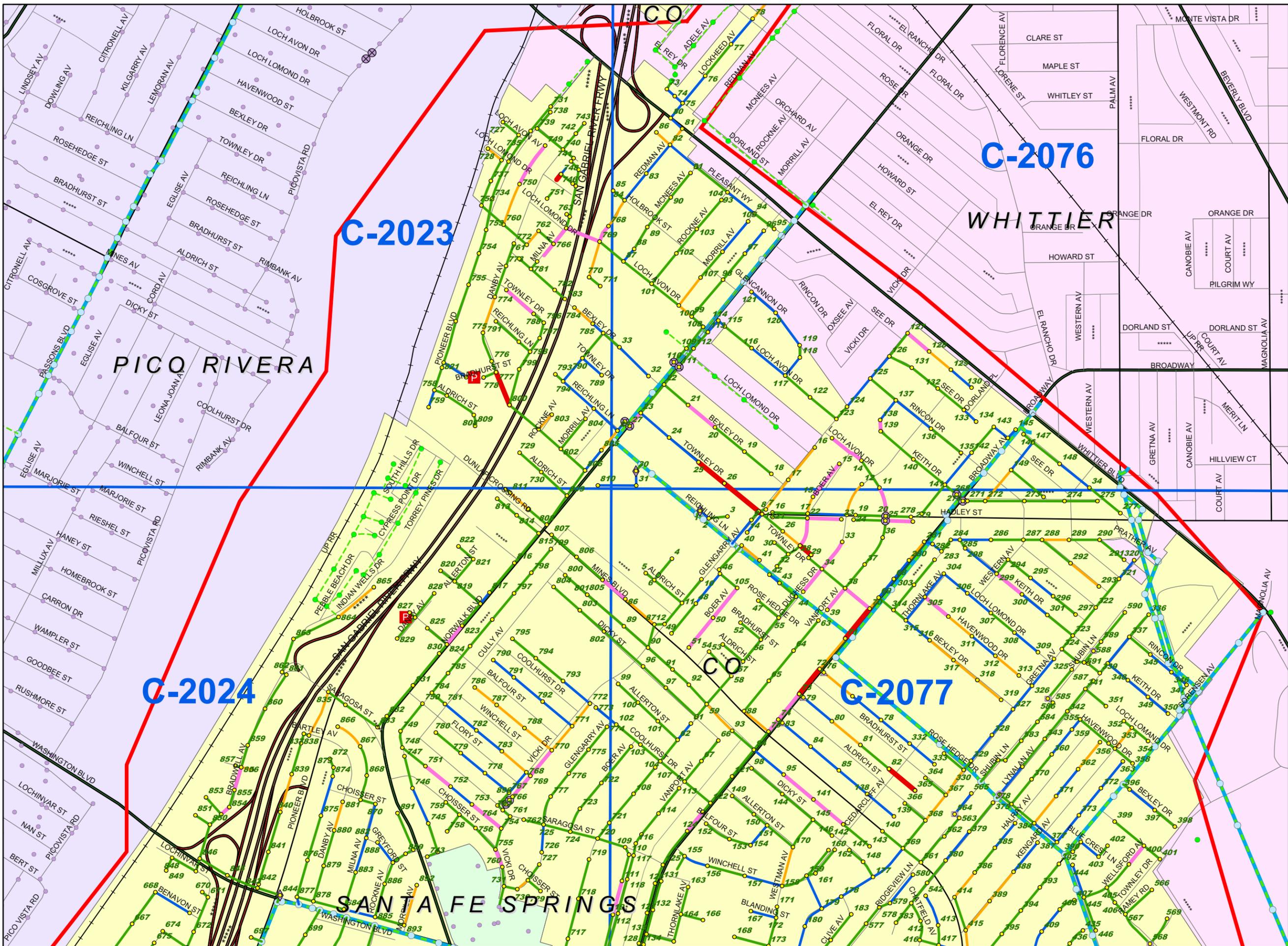
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

#### Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW\_SMD.nosmd\_mh
- Parcel Boundary
- SMD Operations Maps
- CCTV Project Area

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AUGUST 20, 2008



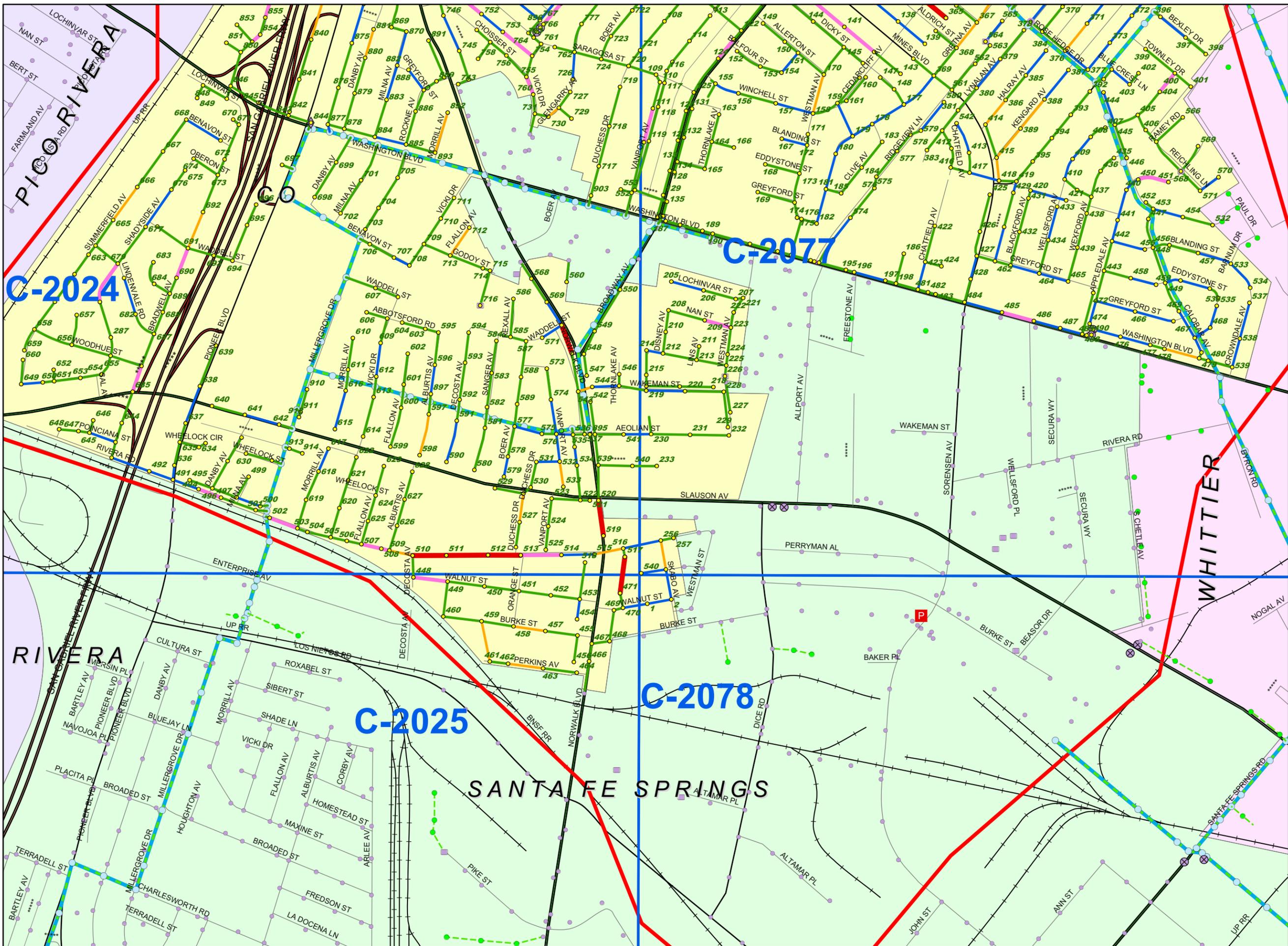
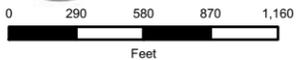
# ENCLOSURE 2

## CCTV PROJECT

# YOTV0708B

Supervisory District 4  
County Unincorporated

# QUICK MAINTENANCE RATING (QMR)



### Legend

#### SMD Sanitary Sewers

#### QMR

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

#### SMD Manholes

- Unincorporated County
- Other

#### MH Type

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

#### Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
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AUGUST 20, 2008

## ENCLOSURE 3:

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

ENCLOSURE 3  
 QUICK STRUCTURAL RATING REPORT PRIORITY LIST  
 UNINCORPORATED LOS ANGELES COUNTY SUPERVISORIAL DISTRICT 1 & 4 (Y0TV0708B)  
 as of 01/23/08

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5842	2077-0376	2077-0375	ROSE HEDGE DR	Broken with soil visible: 9', 32', 111'; multiple fractures and cracks	Lining: MH to MH	261
2	5627	2077-0343	2077-0344	LYNALAN AVE	Broken with soil visible: 62', 133', 224', 280'; multiple fractures and cracks	Lining: MH to MH	300
3	5527	2077-0377	2077-0373	EASEMENT between KENGARD and SORENSEN	Broken with soil visible: 62', 133', 233'; multiple fractures and cracks	Lining: MH to MH	299
4	5526	2077-0344	2077-0374	LYNALAN AVE	Hole and broken with soil visible: 23', 129', 175'; large joint offset: 276'; multiple fractures and cracks	Lining: MH to MH	301
5	5431	2077-0360	2077-0370	EASEMENT between LYNALAN and HALRAY	Hole and broken with soil visible: 28', 130', 204'; multiple fractures and cracks	Lining: MH to MH	300
6	5327	2077-0377	2077-0376	ROSE HEDGE DR	Hole and broken with soil visible: 59', 96', 202'; multiple fractures and cracks	Lining: MH to MH	260
7	5241	2077-0310	2077-0305	HAVENWOOD DR	Hole with soil visible: 78'; multiple cracks	Lining: MH to MH	275
8	5232	2077-0376	2077-0371	EASEMENT between KENGARD and HALRAY	Hole and broken with soil visible: 55', 116', 148'; multiple fractures and cracks	Lining MH to MH	301
9	5231	2077-0372	2077-0373	EASEMENT between KENGARD and SORENSEN	Hole with soil visible: 98'; deformed and broken pipe: 224'; multiple fractures and cracks	Lining: MH to MH	300
10	5231	2077-0479	2077-0478	WASHINGTON BV	Broken with soil visible: 132', 239'; multiple fractures and cracks	Lining: MH to MH	324
11	5225	2077-0375	2077-0370	EASEMENT between LYNALAN and HALRAY	Broken with soil visible with some deformation: 34', 156', 269'; multiple fractures and cracks	Lining: MH to MH	302
12	5224	2077-0454	2077-0453	ROSE HEDGE DR	Broken with soil visible: 40', 158'; multiple fractures and cracks	Lining: MH to MH	300
13	5141	2077-0362	2077-0371	EASEMENT between KENGARD and HALRAY	Hole with soil visible: 216', 222'; multiple fractures and cracks	Lining: MH to MH	303
14	5141	2077-0408	2077-0409	WELLSFORD AV	Broken and fractured: 304'	Lining: MH to MH	352
15	5135	2077-0411	2077-0410	EASEMENT by LAMBERT and WEXFORD	Broken: 140'; multiple fractures and cracks	Lining: MH to MH	144
16	5134	2077-0014	2077-0013	GLENGARRY AV	Broken with soil visible: 195'; multiple fractures and cracks	Lining: MH to MH	202
17	5133	2024-0572	2024-0570	NORWALK BV	Broken with roots / obstacles: 130'	CSMD Yard to hydrojet and retelevise.	-
18	5131	2024-0791	2024-0790	EASEMENT by COOLHURST and CULLY	Broken: 91'	Structural integrity intact. No action needed.	-
19	5131	2076-0103	2076-0102	ROCKNE AV	Broken with concrete visible: 208'	Structural integrity intact. No action needed.	-
20	5131	2077-0440	2077-0441	APPLEDALE AV	Defective lateral: 139'; hole with soil visible: 208'; multiple fractures and cracks	Point Repair: 139'; then Lining: MH to MH	282
21	5122	2077-0453	2077-0447	CALOBAR AVE	Broken: 48'; multiple fractures and cracks	Lining: MH to MH	143
22	5122	2077-0453	2077-0452	ROSE HEDGE DR	Broken: 35'; multiple cracks	Lining: MH to MH	97
23	5121	2023-0752	2023-0760	ALLEY by PIONEER and HOLBROOK	Hole with soil visible: 111'	Lining: MH to MH	255

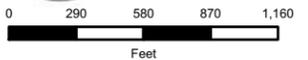
24	5121	2077-0400	2077-0401	TOWNLEY DR	Hole with soil visible: 208'; multiple cracks	Lining: MH to MH	219
25	5121	2025-0465	2025-0466	NORWALK BV	Small hole and cracks	Structural integrity intact. No action needed.	-
26	5121	2077-0345	2077-0337	RINCON DR	Small hole and cracks	Structural integrity intact. No action needed.	-
27	5116	2076-0147	2076-0149	ALLEY by SEE DR and BROADWAY AVE	Small crack in the pipe; small hole in the lateral	Structural integrity intact. No action needed.	-
28	5111	2077-0353	2077-0357	EASEMENT between LOCH LOMAND and HAVENWOOD	Obstacle and hole: 26'	Structural integrity intact. No action needed.	-
29	5100	2023-0796	2023-0797	S G RIVER FW	Hole with soil visible: 146'	Structural integrity intact. No action needed.	-
30	5100	2077-0104	2077-0120	COOLHURST DR	Small hole	Structural integrity intact. No action needed.	-
31	5100	2077-0398	2077-0397	BEXLEY DR	Hole at trough of End MH	CSMD will repair MH base.	-
32	4C3N	2077-0313	2077-0312	HAVENWOOD DR	Multiple fractures and cracks	Lining: MH to MH	265
33	4522	2077-0435	2077-0436	WEXFORD AV	Multiple fractures and cracks	Structural integrity intact. No action needed.	-
34	423F	2024-0545	2024-0544	WAKEMAN ST	Broken at lateral	Structural integrity intact. No action needed.	-
35	4233	2077-0230	2024-0541	AEOLIAN ST	Small cracks and tiny roots	Structural integrity intact. No action needed.	-
36	423I	2077-0309	2077-0308	LOCH LOMOND DR	Small fractures & roots	Structural integrity intact. No action needed.	-
37	4231	2076-0076	2076-0075	LOCKHEED AV	Small cracks and fracture	Structural integrity intact. No action needed.	-
38	4231	2076-0094	2076-0093	PLEASANT WY	Small fracture & deposits	Structural integrity intact. No action needed.	-
39	413G	2024-0568	2024-0569	NORWALK BV	Fracture and deposit	Structural integrity intact. No action needed.	-
40	413E	2077-0219	2024-0545	WAKEMAN ST	Small crack and tiny roots	Structural integrity intact. No action needed.	-
41	413D	2077-0409	2077-0410	WELLSFORD AV	Broken and fractured: 90'	Lining: MH to MH	177
42	413B	2076-0032	2076-0033	BEXLEY DR	Small crack and fracture	Structural integrity intact. No action needed.	-
43	413B	2077-0293	2077-0292	ALLEY by GRETNA AVE and RINCON DR	Small cracks	Structural integrity intact. No action needed.	-
44	4135	2077-0220	2077-0228	WAKEMAN ST	Multiple fractures and cracks	Structural integrity intact. No action needed.	-
45	4133	2077-0387	2077-0388	KENGARD AV	Small cracks and fracture	Structural integrity intact. No action needed.	-
46	4133	2077-0389	2077-0415	KENGARD AV	Small crack and grease	Structural integrity intact. No action needed.	-
47	4133	2077-0445	2077-0446	ROSE HEDGE DR	Small fracture	Structural integrity intact. No action needed.	-
48	4132	2024-0770	2024-0788	EASEMENT by VICKI and WINCHELL ST	Fracture: 242'	Structural integrity intact. No action needed.	-
49	4131	2024-0839	2024-0840	EASEMENT between PIONEER and 605 FWY	Small fracture and water sag 40%	Structural integrity intact. No action needed.	-
50	4131	2077-0058	2077-0059	DUCHESS DR	Broken and fractured: 105'	Structural integrity intact. No action needed.	-
51	4131	2077-0379	2077-0378	LYNALAN AV	Small cracks	Structural integrity intact. No action needed.	-
52	4131	2077-0540	2077-0260	VERBECK ST	Small cracks and grease	Structural integrity intact. No action needed.	-
53	4100	2024-0512	2024-0511	RIVERA RD	Fracture and deposit	Structural integrity intact. No action needed.	-
54	4100	2077-0087	2077-0090	GLENGARRY AV	Broken and fractured: 8'	CSMD crews will repair.	223
55	4100	2024-0523	2024-0522	SLAUSON AV	Small fracture	Structural integrity intact. No action needed.	-
56	4100	2076-0073	2076-CITY	EASEMENT by WHITTER and LOCKHEED AVE	Small fracture	Structural integrity intact. No action needed.	-
57	4100	2076-0093	2076-0092	PLEASANT WY	Small fracture	Structural integrity intact. No action needed.	-
58	4100	2077-0290	2077-0289	ALLEY by HADLEY ST and SEE DR	Small fracture	Structural integrity intact. No action needed.	-

# ENCLOSURE 3

## CCTV PROJECT YOTV0708B

Supervisorial  
District 4  
County Unincorporated

### QUICK STRUCTURAL RATING (QSR)



#### Legend

##### SMD Sanitary Sewers

##### QSR

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

##### SMD Manholes

- Other

##### MH Type

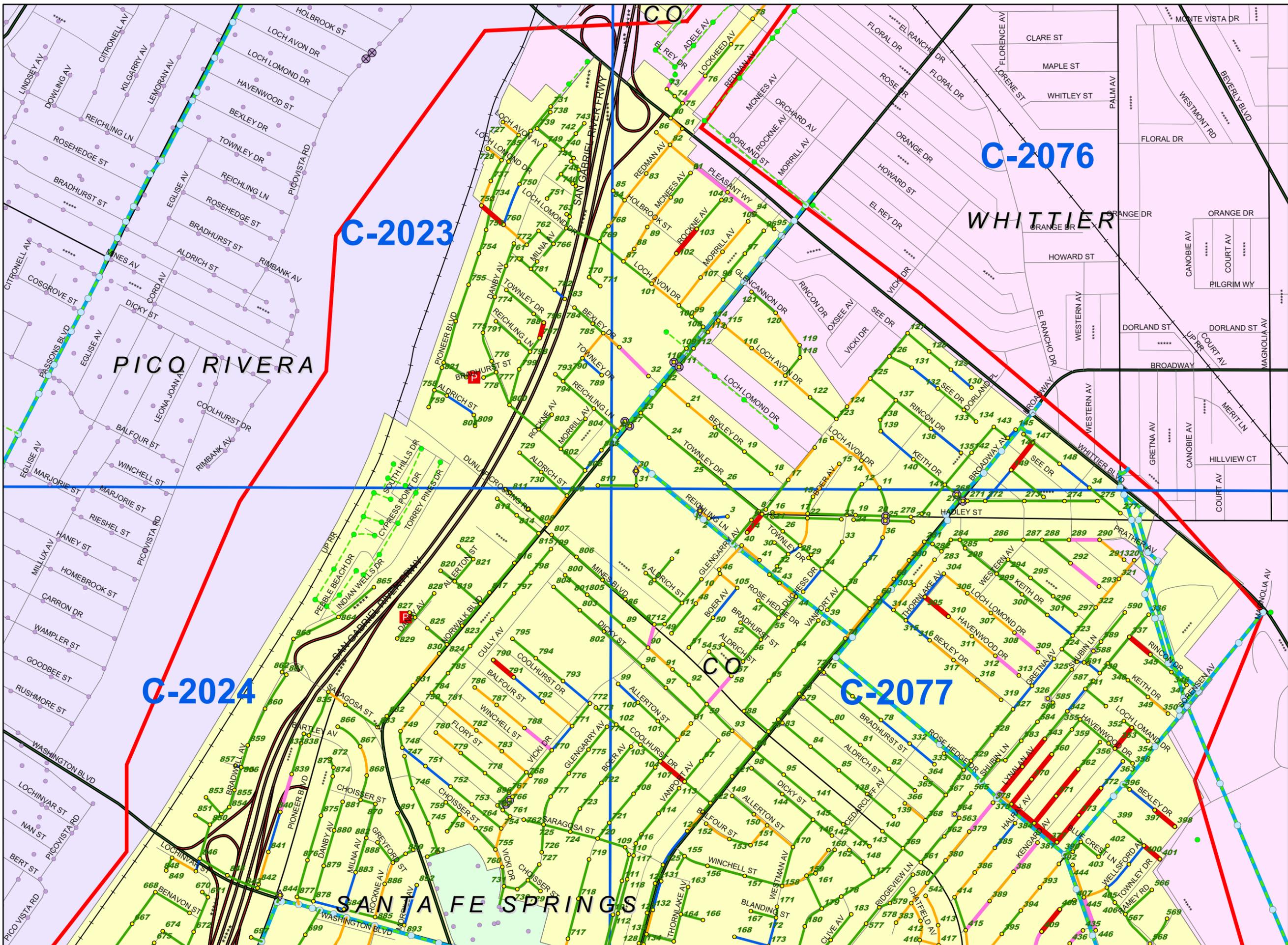
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

##### Maintained by Others:

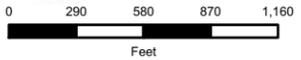
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW\_SMD.nosmd\_mh
- Parcel Boundary
- SMD Operations Maps
- CCTV Project Area

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AUGUST 20, 2008



**QUICK  
STRUCTURAL  
RATING  
(QSR)**



**Legend**

**SMD Sanitary Sewers**

**QSR**

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

**SMD Manholes**

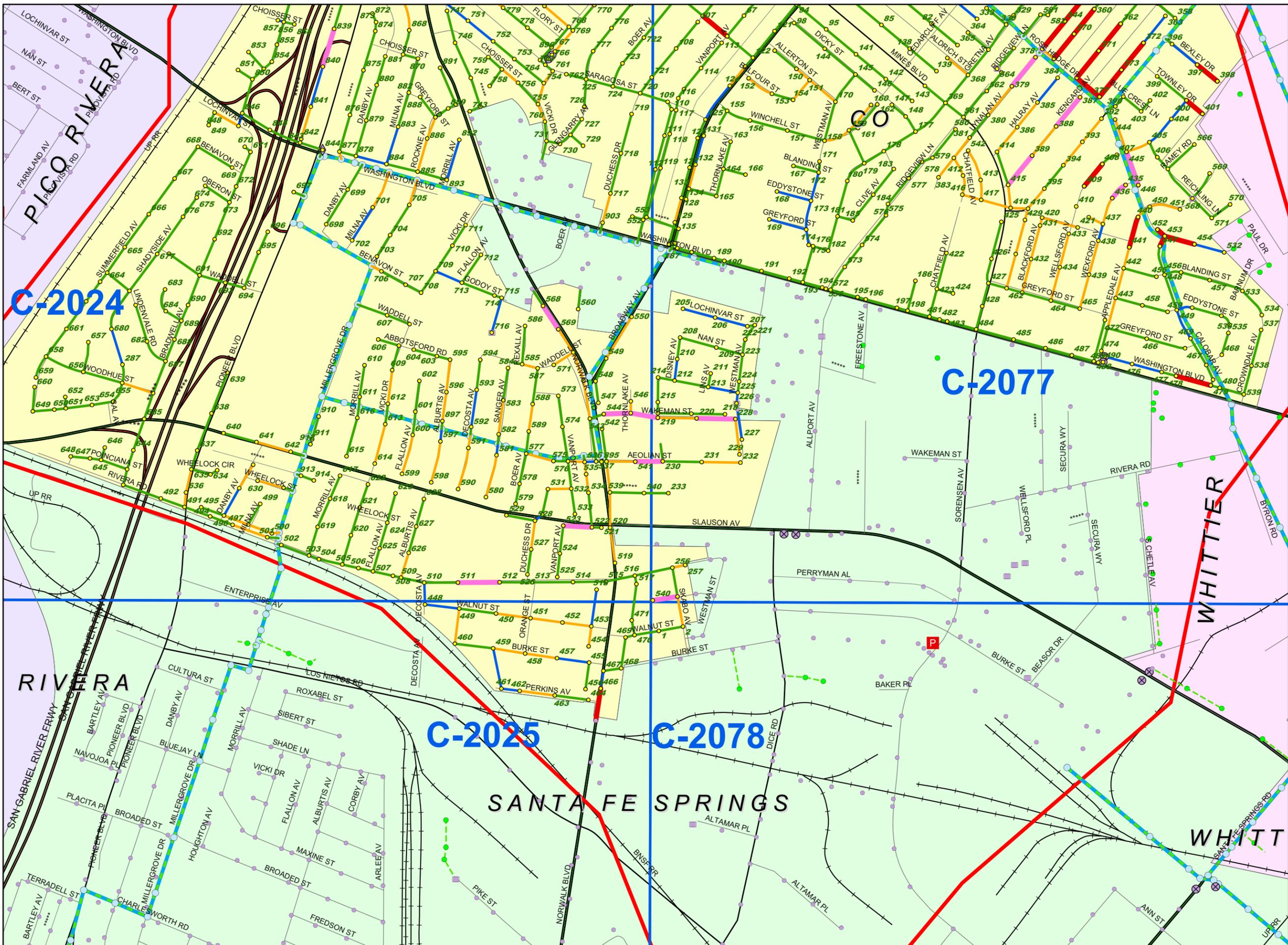
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

**Maintained by Others:**

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW\_SMD.nosmd\_mh
- Parcel Boundary
- SMD Operations Maps
- CCTV Project Area

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**AUGUST 20, 2008**



## ENCLOSURE 4:

Infrastructure Inspection Reports  
for Grades 4 and 5



**WinCan America, Inc.**  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
 Tel: (505) 341.0109, Fax: (505) 341.0133

## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1071</b>	PSR: <b>119315</b>
Total Pipe Length: <b>260.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ROSE HEDGE DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0376</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0375</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-009</b>	Total length surveyed: <b>260.7 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:496	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0376	00:00:29	2448	
	0.00	Water Level, 5 %, within 8 inch: NO	00:00:59	2449	
	2.80	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:01:25	2450, b	
	6.00	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:19	2452, b	
	9.00	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: YES	00:03:09	2454	
	9.00	Fracture Circumferential, from 3 to 8 o'clock, within 8 inch: YES	00:03:30	2455	
	14.70	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:03:55	2456, b	
	14.70	Water Level, 10 %, within 8 inch: NO	00:04:17	2458	
	17.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:39	2459, b	
	32.80	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:55	2463	
	32.80	Broken Soil Visible, from 3 to 5 o'clock, within 8 inch: YES	00:06:21	2464	
	32.80	Hole Soil Visible, from 7 to 8 o'clock, within 8 inch: YES	00:06:48	2465	
	34.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:12	2466	
	35.90	Broken Soil Visible, from 3 to 5 o'clock, within 8 inch: YES	00:07:43	2467	
	35.90	Broken Soil Visible, from 7 to 9 o'clock, within 8 inch: YES	00:08:07	2468	
	58.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:34	2469	
	108.90	Fracture Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:12:04	2470, b	
	111.80	Hole Soil Visible, from 8 to 9 o'clock, within 8 inch: YES	00:12:45	2472	
	111.80	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:10	2473	
	113.10	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:38	2474	
	113.10	Broken, from 2 to 4 o'clock, within 8 inch: NO	00:14:02	2475	S 4
	113.10	Broken, from 8 to 10 o'clock, within 8 inch: NO	00:14:22	2476	S 4
	168.80	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:16:28	2477, b	
	196.40	Broken, from 1 to 3 o'clock, within 8 inch: YES	00:17:58	2479	S 4
	196.80	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:18:22	2480	



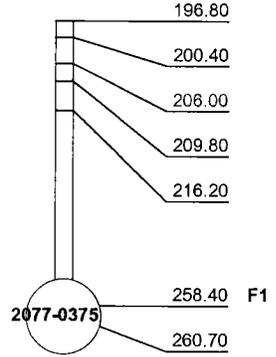
## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1071</b>	PSR: <b>119315</b>
Total Pipe Length: <b>260.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:496	position	observation	MPEG	photo	grade
	196.80	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:18:22	2480	
	200.40	Water Level, 15 %, within 8 inch: NO	00:18:46	2481	
	206.00	Broken, from 10 to 2 o'clock, within 8 inch: YES	00:19:45	2482	S 5
	209.80	Water Level, 10 %, within 8 inch: NO	00:20:03	2483	
	216.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:20:27	2484	
	258.40 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:10	2485	
	260.70	Manhole, within 8 inch: NO, Remarks: 2077-0375	00:22:31	2486	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5143	0000	17	0	17	4.25	0	4.25





## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1065</b>	PSR: <b>119286</b>
Total Pipe Length: <b>312.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>LYNALAN AVE</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0343</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0344</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-009</b>	Total length surveyed: <b>300.4 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

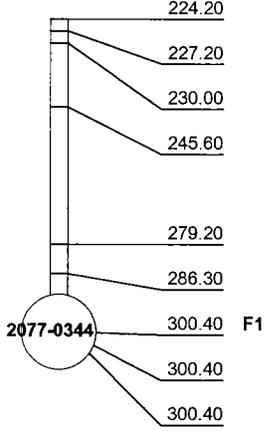
1:558	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0343	00:00:36	2231	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:53	2232	
	3.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:22	2233	
	4.50	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:01:43	2234, b	
	6.00	Water Level, 5 %, within 8 inch: NO	00:02:40	2236	
	7.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:14	2237, b	
	10.10	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:03:53	2239, b	
	13.30	Crack Circumferential, from 7 to 3 o'clock, within 8 inch: YES	00:04:30	2241	
	16.40	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:04:52	2242, b	
	19.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:23	2244, b	
	48.10	Water Level, 10 %, within 8 inch: NO	00:06:55	2248	
	61.30	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:47	2249	
	61.90	Hole Soil Visible, from 8 to 9 o'clock, within 8 inch: YES	00:08:13	2250, b	
	61.90	Hole Soil Visible, from 2 to 3 o'clock, within 8 inch: YES	00:08:38	2252, b	
	72.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:26	2254	
	130.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:57	2255	
	133.90	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:12:31	2256	
	133.90	Broken Soil Visible, from 2 to 10 o'clock, within 8 inch: YES	00:13:03	2257, b	
	144.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:49	2259	
	175.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:15:05	2260	
	182.40	Broken Soil Visible, from 8 to 9 o'clock, within 8 inch: YES	00:15:50	2261, b	
	182.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:16:22	2263	
	216.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:53	2264	
	224.00	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:18:39	2265	
	224.20	Broken Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:19:03	2266, b	



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1065</b>	PSR: <b>119286</b>
Total Pipe Length: <b>312.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:558	position	observation	MPEG	photo	grade
	<u>224.20</u>	Broken Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:19:03	2266, b	
	<u>227.20</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:19:45	2268	
	<u>230.00</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:20:10	2269, b	
	<u>245.60</u>	General Observation, within 8 inch: NO, Remarks: CHIPPED PIPE	00:22:05	2271	
	<u>279.20</u>	Broken Soil Visible, from 7 to 11 o'clock, within 8 inch: YES	00:23:43	2272, b	
	<u>286.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:38	2274	
	<u>300.40</u> F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:25:27	2275	
	<u>300.40</u>	Vermin Cockroach, within 8 inch: NO	00:25:46	2276	
	<u>300.40</u>	Manhole, within 8 inch: NO, Remarks: 2077-0344	00:26:03	2277	



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



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1060</b>	PSR: <b>119312</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0377</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0373</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-008</b>	Total length surveyed: <b>233 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:465	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0377	00:00:25	2096	
	2.70	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:01:07	2097	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:37	2098	
	14.10	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:02:20	2099, b	
	17.30	<b>S1</b> Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:51	2101, b	
	28.40	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:03:38	2105	
	31.10	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:03:57	2106	
	31.10	Hole Void Visible, at 2 o'clock, within 8 inch: NO	00:04:23	2107, b	
	61.70	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:05:59	2109	
	61.80	Broken Void Visible, from 3 to 9 o'clock, within 8 inch: YES	00:06:26	2110	
	100.10	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:07:51	2111	
	102.50	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:8:10	2112	
	111.50	<b>F1</b> Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:08:37	2113	
	127.30	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:09:18	2114, b	
	130.60	Water Level, 15 %, within 8 inch: NO	00:09:50	2116	
	133.10	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:10:17	2117	
	133.10	Broken, from 8 to 10 o'clock, within 8 inch: YES	00:10:41	2118	S 4
	135.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:04	2119	
	140.00	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:11:24	2120	
	146.20	Water Level, 5 %, within 8 inch: NO	00:11:44	2121	
	164.00	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:12:28	2122, b	
	171.80	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:13:08	2124	
	174.40	Tap Factory Defective, at 2 o'clock, 4", within 8 inch: NO	00:13:29	2125	
	184.30	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:13:59	2126, b	
	187.10	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:14:30	2128, b	



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1060</b>	PSR: <b>119312</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:465	position	observation	MPEG	photo	grade
	187.10	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:14:30	2128, b	
	190.30	Crack Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:15:04	2130	
	221.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:16:24	2131, b	
	226.90 <b>S2</b>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:17:01	2133, b	
	232.90	Broken Soil Visible, from 6 to 8 o'clock, within 8 inch: YES	00:18:07	2135, b	
	233.00	Hole Soil Visible, from 6 to 8 o'clock, within 8 inch: YES	00:20:03	2137, b	
	233.00	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS HOLE IN PI	00:20:53	2139	
	233.00 <b>F2</b>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:11	2140	

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



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1066</b>	PSR: <b>119287</b>
Total Pipe Length: <b>312.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>LYNALAN AVE</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0344</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0374</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-009</b>	Total length surveyed: <b>301.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:713	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0344	00:00:27	2278	
	3.20	Water Level, 5 %, within 8 inch: NO	00:00:52	2279	
	5.80	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:01:10	2280, b	
	8.80	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:42	2282, b	
	21.20	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:02:38	2286, b	
	23.40	Hole Soil Visible, from 8 to 9 o'clock, within 8 inch: NO	00:03:15	2288	
	24.30	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:40	2289	
	46.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:48	2290	
	72.20	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:06:24	2291	
	113.10	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:08:26	2292	
	118.00	Water Level, 10 %, within 8 inch: NO	00:08:46	2293	
	129.40	Broken Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:09:35	2294, b	
	129.40	Broken Soil Visible, from 2 to 4 o'clock, within 8 inch: YES	00:09:57	2296, b	
	129.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:10:19	2298	
	132.30	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:11	2299	
	152.90	Water Level, 5 %, within 8 inch: NO	00:12:05	2300	
	175.10	Broken Soil Visible, from 7 to 10 o'clock, within 8 inch: YES	00:13:15	2301, b	
	175.10	Broken Soil Visible, from 2 to 5 o'clock, within 8 inch: YES	00:13:42	2303, b	
	185.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:40	2305	
	241.50	Water Level, 5 %, within 8 inch: NO	00:17:05	2306	
	252.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:46	2307	
	276.70	Joint Offset Large, within 8 inch: YES	00:18:54	2308	
	285.80	Material Change, within 8 inch: NO, Remarks: CHANGES TO CAST IRON	00:19:56	2309	
	291.70	Material Change, within 8 inch: NO, Remarks: CHANGES TO VCP	00:20:32	2310	



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1066</b>	PSR: <b>119287</b>
Total Pipe Length: <b>312.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:713	position	observation	MPEG	photo	grade
	301.30 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:27	2311	
	301.30	Manhole, within 8 inch: NO, Remarks: 2077-0374	00:21:47	2312	



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



## Inspection report

Date: <b>11/21/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1094</b>	PSR: <b>119300</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/19/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0360</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0370</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-011</b>	Total length surveyed: <b>205.9 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:341	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0360	00:00:25	2764	
	3.10	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:00:54	2765, b	
	3.10	Water Level, 10 %, within 8 inch: NO	00:01:15	2767	
	5.10	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:01:34	2768	
	6.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:01:53	2769	
	7.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:02:18	2770, b	
	8.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:57	2772	
	13.40	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:03:22	2773	
	16.30	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:03:44	2774	
	22.80	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:04:31	2775, b	
	25.30	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:09	2777, b	
	28.40	Broken Soil Visible, from 4 to 8 o'clock, within 8 inch: YES	00:05:54	2779, b	
	28.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:06:21	2781	
	31.30	Crack Circumferential, from 3 to 10 o'clock, within 8 inch: YES	00:07:01	2782	
	31.40	Broken, at 3 o'clock, within 8 inch: YES	00:07:41	2783	S 5
	34.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:03	2784, b	
	69.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:09:54	2788	
	72.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:10:15	2789	
	112.80	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:12:17	2790	
	128.30	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:15	2791, b	
	130.60	Hole Soil Visible, from 7 to 11 o'clock, within 8 inch: YES	00:14:01	2793, b	
	130.60	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: YES	00:14:28	2795, b	
	130.60	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:15:03	2797	
	134.50	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:15:29	2798	
	135.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:15:49	2799	



## Inspection report

Date: <b>11/21/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1094</b>	PSR: <b>119300</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/19/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:341	position	observation	MPEG	photo	grade
	135.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:15:49		2799
	138.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:16:11		2800
	152.80	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:17:00		2801
	155.50	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:17:22		2802
	160.00	Fracture Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:18:01		2803, b
	190.80	<b>F1</b> Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:45		2805
	202.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:20:17		2806
	204.70	Hole Soil Visible, from 7 to 8 o'clock, within 8 inch: YES	00:20:47		2807
	205.90	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:21:22		2808, b
	205.90	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS FRACTURE	00:21:54		2810

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



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1061</b>	PSR: <b>119316</b>
Total Pipe Length: <b>259.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ROSE HEDGE DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0377</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0376</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-008</b>	Total length surveyed: <b>205.8 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:527	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0377	00:00:26	2141	
	2.00	Crack Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:00:52	2142	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:22	2143	
	27.10	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:02:33	2144, b	
	30.50	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:03:04	2146	
	52.70	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:04:06	2147	
	55.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:04:26	2148	
	56.70	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:04:49	2149, b	
	56.70	Crack Circumferential, from 1 to 11 o'clock, within 8 inch: YES	00:05:13	2151	
	59.50	Hole Soil Visible, from 6 to 8 o'clock, within 8 inch: YES	00:05:46	2152, b	
	59.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:06:11	2154	
	65.20	Crack Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:06:37	2155	
	96.00	Fracture Circumferential, from 5 to 7 o'clock, within 8 inch: YES	00:07:52	2156	
	96.00	Hole Soil Visible, from 7 to 8 o'clock, within 8 inch: YES	00:08:40	2157	
	132.40	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:09:57	2158, b	
	147.30	Crack Circumferential, from 6 to 8 o'clock, within 8 inch: YES	00:10:48	2160, b	
	157.10	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:11:40	2162, b	
	172.00	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:12:36	2164, b	
	184.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:13:25	2166, b	
	185.70	Water Level, 15 %, within 8 inch: NO	00:13:54	2168	
	199.70	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:14:30	2169	
	202.60	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: YES	00:15:04	2170, b	
	202.60	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:15:46	2172	
	205.00	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS BROKEN PIP	00:17:18	2173	
	205.00	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS BROKEN PIP	00:17:50	2174	

2077-0377



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



## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>665</b>	PSR: <b>119376</b>
Total Pipe Length: <b>268.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>HAVENWOOD DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0310</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0305</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-005</b>	Total length surveyed: <b>78.8 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:200	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0310	00:00:52	1287	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:18	1288	
	12.20	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:01:46	1289, b	
	24.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:42	1291, b	
	40.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:44	1293	
	49.20	Crack Longitudinal, at 4 o'clock, within 8 inch: NO	00:04:13	1294, b	
	49.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:45	1296	
	51.30 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:16	1297, b	
	78.40 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:06:20	1299	
	78.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:07:16	1300, b	
	78.80	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:07:41	1302, b	S 4
	78.80	Broken, at 6 o'clock, within 8 inch: YES	00:08:06	1304, b	S 5
	78.80	Obstacle Pipe Material, from 8 to 4 o'clock, 25 %, within 8 inch: NO, Remarks: Piece of broken pipe	00:09:00	1306, b	
	78.80	Hole Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:09:28	1308, b	
	78.80	Abandoned Survey, within 8 inch: NO, Remarks: Camera blocked by broken	00:10:59	1310	

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



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1070</b>	PSR: <b>119310</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0376</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0371</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-009</b>	Total length surveyed: <b>301 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:651	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0376	00:00:27	2408	
	1.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: NO	00:00:59	2409	
	5.80	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:01:40	2410, b	
	6.00	Water Level, 5 %, within 8 inch: NO	00:02:45	2412	
	14.30	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:08	2413, b	
	28.00	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:03:57	2415	
	30.80	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:04:15	2416	
	52.90	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:05:13	2417, b	
	52.90	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:05:42	2419	
	55.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:06:30	2420	
	55.70	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:07:17	2421	S 4
	61.60	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:43	2422, b	
	99.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:09:37	2426	
	102.10	Tap Factory Defective, at 10 o'clock, 4", within 8 inch: NO	00:09:56	2427	
	115.20	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:01	2428, b	
	116.00	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: NO	00:11:42	2430, b	
	118.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:12:16	2432	
	145.70	Fracture Circumferential, from 3 to 7 o'clock, within 8 inch: YES	00:13:42	2433, b	
	148.30	Fracture Longitudinal, at 7 o'clock, within 8 inch: YES	00:14:18	2435, b	
	171.70	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:15:37	2437	
	174.20	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:15:58	2438	
	243.60	Tap Factory Defective, at 3 o'clock, 4", within 8 inch: NO	00:18:59	2439	
	246.50	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:19:21	2440	
	255.70	Tap Break-in Defective, at 10 o'clock, 4", within 8 inch: NO	00:20:02	2441	
	256.20	Fracture Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:20:54	2442, b	



**WinCan America, Inc.**  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
 Tel: (505) 341.0109, Fax: (505) 341.0133

## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1070</b>	PSR: <b>119310</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:651	position	observation	MPEG	photo	grade
		Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:23:26	2444, b	
	F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:23:54	2446	
		Manhole, within 8 inch: NO, Remarks: 2077-0371	00:24:17	2447	

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



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1059</b>	PSR: <b>119311</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0372</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0373</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-008</b>	Total length surveyed: <b>227.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

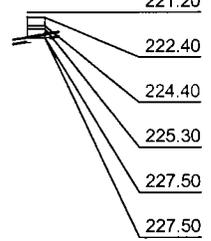
1:558	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0372	00:00:27	2051	
	1.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: NO	00:00:54	2052	
	5.20	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:01:18	2053, b	
	6.30	Tap Factory Defective, at 10 o'clock, 4", within 8 inch: NO	00:01:48	2055	
	8.90	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:02:09	2056	
	10.10	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:02:27	2057, b	
	13.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:03:12	2059, b	
	19.40	Crack Circumferential, from 4 to 11 o'clock, within 8 inch: YES	00:04:01	2061, b	
	27.40	Water Level, 5 %, within 8 inch: NO	00:04:38	2063	
	34.10	Crack Circumferential, from 5 to 9 o'clock, within 8 inch: YES	00:05:01	2064, b	
	37.30	Crack Circumferential, from 2 to 9 o'clock, within 8 inch: YES	00:05:35	2066, b	
	52.50	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:06:45	2068, b	
	64.80	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:38	2070	
	75.00	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:08:13	2071	
	77.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:32	2072	
	82.40	<b>S1</b> Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:56	2073, b	
	99.90	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:10:11	2077, b	
	102.70	Hole Soil Visible, from 8 to 9 o'clock, within 8 inch: YES	00:10:59	2080, b	
	102.80	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: YES	00:11:26	2082, b	
	146.50	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:13:56	2084	
	149.20	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:14:30	2085	
	207.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:17:16	2086	
	216.60	Water Level, 15 %, within 8 inch: NO	00:17:54	2087	
	218.70	Tap Factory Defective, at 10 o'clock, 4", within 8 inch: NO	00:18:13	2088	
	221.20	Tap Factory Defective, at 2 o'clock, 4", within 8 inch: NO	00:18:35	2089	



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1059</b>	PSR: <b>119311</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:558	position	observation	MPEG	photo	grade
	<u>221.20</u>	Tap Factory Defective, at 2 o'clock, 4", within 8 inch: NO	00:18:35	2089	
	<u>222.40</u>	Fracture Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:18:59	2090, b	
	<u>224.40</u>	Broken, from 7 to 8 o'clock, within 8 inch: YES	00:19:51	2092	S 4
	<u>225.30</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:20:15	2093	
	<u>227.50</u>	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS FRACTURED	00:21:21	2094	
	<u>227.50</u> F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:22:11	2095	



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



## Inspection report

Date: <b>11/29/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1151</b>	PSR: <b>119173</b>
Total Pipe Length: <b>315.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WASHINGTON BV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0479</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0478</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-015</b>	Total length surveyed: <b>241.9 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:589	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0479	00:00:26	3802	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:39	3803	
	3.00	Water Level, 15 %, within 8 inch: NO	00:00:55	3804	
	15.70	Crack Circumferential, from 8 to 1 o'clock, within 8 inch: YES	00:01:31	3805, b	
	18.70	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:02:04	3807, b	
	31.10 <b>S1</b>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:51	3809, b	
	41.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:38	3813	
	122.60	Roots Fine Joint, from 8 to 9 o'clock, within 8 inch: YES	00:06:58	3814	
	131.90	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:58	3815, b	
	131.90	Broken, from 1 to 5 o'clock, within 8 inch: YES	00:08:24	3817, b	S 5
	132.70	Roots Fine Barrel, from 2 to 4 o'clock, within 8 inch: NO	00:09:06	3819	
	133.50	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:09:27	3820	
	133.50	Roots Medium Lateral, at 3 o'clock, 40 %, within 8 inch: NO	00:09:51	3821	
	137.50	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:10:13	3822, b	
	140.70	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:10:46	3824	
	159.00	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:12:07	3825	
	160.50	Water Level, 10 %, within 8 inch: NO	00:12:34	3826	
	174.60	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:13:15	3827	
	189.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:14:01	3828	
	191.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:22	3829	
	235.90	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:16:04	3830	
	236.10	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:16:32	3831	



## Inspection report

Date: <b>11/29/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1151</b>	PSR: <b>119173</b>
Total Pipe Length: <b>315.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:589	position	observation	MPEG	photo	grade
	<u>236.10</u>	Fracture Longitudinal, at 5 o'clock, within 8 inch: YES	00:16:32	3831	
	<u>239.40</u>	Roots Fine Joint, from 6 to 9 o'clock, within 8 inch: YES	00:16:59	3832	
	<u>239.40</u>	Broken Soil Visible, from 11 to 2 o'clock, within 8 inch: YES	00:17:23	3833, b	
	<u>239.40</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:17:50	3835	
	<u>241.90</u> F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:58	3836	
	<u>241.90</u>	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS FRACTURED	00:22:36	3837	

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



## Inspection report

Date: <b>11/21/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1095</b>	PSR: <b>119309</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/19/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0375</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0370</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-011</b>	Total length surveyed: <b>302 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0375	00:00:35	2811	
	2.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:01:09	2812	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:30	2813	
	14.90	Water Level, 5 %, within 8 inch: NO	00:02:17	2814	
	26.60	Crack Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:02:58	2815, b	
	29.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:35	2817, b	
	34.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:04:20	2821	
	35.70	Broken, from 10 to 1 o'clock, within 8 inch: YES	00:04:49	2822	S 4
	37.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:07	2823	
	100.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:15	2824	
	102.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:08:35	2825	
	115.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:09:16	2826	
	146.80	Fracture Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:10:49	2827	
	149.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:57	2828, b	
	175.50	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:13:30	2830	
	178.40	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:13:52	2831	
	245.10	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:16:51	2832	
	247.70	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:17:11	2833	
	266.40	Fracture Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:18:17	2834	
	269.00	Broken Void Visible, from 7 to 10 o'clock, within 8 inch: YES	00:18:42	2835, b	
	269.60	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:19:06	2837, b	
	272.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:19:49	2839, b	
	298.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:26	2841	
	302.00	Manhole, within 8 inch: NO, Remarks: 2077-0370	00:21:46	2842	

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



## Inspection report

Date: <b>11/27/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1129</b>	PSR: <b>119273</b>
Total Pipe Length: <b>270.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

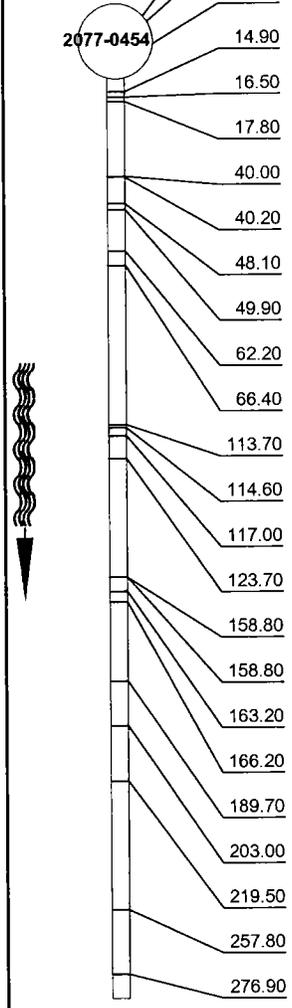
Street: <b>ROSE HEDGE DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0454</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0453</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-013</b>	Total length surveyed: <b>300 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:682	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0454	00:00:29	3337	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:42	3338	
	5.80	Water Level, 5 %, within 8 inch: NO	00:00:59	3339	
	14.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:28	3340	
	16.50	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:01:58	3341, b	
	17.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:31	3343	
	40.00	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:04:03	3344, b	
	40.20	Broken Soil Visible, from 4 to 8 o'clock, within 8 inch: YES	00:04:37	3346	
	48.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:22	3347	
	49.90	Crack Circumferential, from 9 to 11 o'clock, within 8 inch: YES	00:05:51	3348, b	
	62.20	Crack Circumferential, from 3 to 10 o'clock, within 8 inch: YES	00:06:52	3350, b	
	66.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:35	3352	
	113.70	Crack Circumferential, from 11 to 6 o'clock, within 8 inch: YES	00:10:32	3353, b	
	114.60	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:11:13	3355	
	117.00	Crack Circumferential, from 10 to 4 o'clock, within 8 inch: YES	00:11:33	3356, b	
	123.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:24	3358	
	158.80	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:14:22	3359, b	
	158.80	Broken Soil Visible, from 4 to 8 o'clock, within 8 inch: YES	00:14:48	3361, b	
	163.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:32	3363	
	166.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:02	3364	
	189.70	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:17:22	3365, b	
	203.00	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:18:45	3367	
	219.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:45	3368	
	257.80	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:21:35	3369, b	
	276.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:23:04	3371	



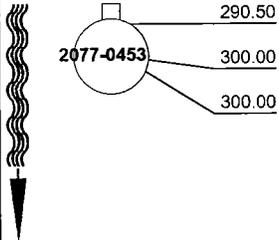


**WinCan America, Inc.**  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
 Tel: (505) 341.0109, Fax: (505) 341.0133

## Inspection report

Date: <b>11/27/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1129</b>	PSR: <b>119273</b>
Total Pipe Length: <b>270.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:682	position	observation	MPEG	photo	grade
	290.50	Crack Circumferential, from 10 to 5 o'clock, within 8 inch: YES	00:24:01	3372, b	
	300.00	Vermin Cockroach, within 8 inch: NO	00:24:51	3374	
	300.00	Manhole, within 8 inch: NO, Remarks: 2077-0453	00:25:06	3375	



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



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1069</b>	PSR: <b>119302</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0362</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0371</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-009</b>	Total length surveyed: <b>302.7 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:558 position	description within 8 inch: NO, Remarks: 2077-0362	TIME	PIPE	grade
2.80	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:00:51	2349, b	
4.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:01:22	2351	
6.50	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:01:42	2352	
10.60	Water Level, 5 %, within 8 inch: NO	00:02:03	2353	
20.50	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:02:36	2354, b	
23.30	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:03:15	2356, b	
26.10	Crack Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:03:54	2358	
29.10 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:17	2359, b	
32.40	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:04:38	2363, b	
76.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:07:23	2365	
76.90	Water Level, 15 %, within 8 inch: NO	00:07:41	2366	
78.40	Tap Factory Defective, at 3 o'clock, 4", within 8 inch: NO	00:07:59	2367	
82.70	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:08:39	2368, b	
102.60	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:10:05	2370	
144.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:12:00	2371	
147.80	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:12:28	2372	
151.80	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:11	2373, b	
154.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:54	2375, b	
188.20 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:35	2377	
212.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:16:46	2378, b	
216.10	Hole Soil Visible, from 2 to 5 o'clock, within 8 inch: YES	00:18:03	2380	
216.10	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:18:27	2381	
219.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:18:47	2382	
220.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:19:08	2383	
220.00	Water Level, 15 %, within 8 inch: NO	00:19:25	2384	



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1069</b>	PSR: <b>119302</b>
Total Pipe Length: <b>300.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:558	position	observation	MPEG	photo	grade
	<u>220.00</u>	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:19:08	2383	
	<u>220.00</u>	Water Level, 15 %, within 8 inch: NO	00:19:25	2384	
	<u>222.00</u>	Broken, from 2 to 4 o'clock, within 8 inch: NO	00:19:49	2385	S 4
	<u>222.80</u>	Tap Factory Defective, at 3 o'clock, 4", within 8 inch: NO	00:20:08	2386	
	<u>223.20</u>	Fracture Circumferential, from 1 to 5 o'clock, within 8 inch: YES	00:20:29	2387	
	<u>226.40</u>	Water Level, 5 %, within 8 inch: NO	00:20:49	2388	
	<u>226.90</u>	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:21:06	2389	
	<u>236.00</u>	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:21:38	2390, b	
	<u>242.50</u>	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:22:22	2392	
	<u>245.40</u>	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:22:41	2393, b	
	<u>248.70</u> S2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:23:14	2395, b	
	<u>289.00</u>	Tap Factory Defective, at 3 o'clock, 4", within 8 inch: NO	00:25:34	2399	
	<u>291.50</u>	Tap Factory Defective, at 9 o'clock, 4", within 8 inch: NO	00:26:07	2400	
	<u>292.50</u>	Water Level, 15 %, within 8 inch: NO	00:26:28	2401	
	<u>295.70</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:26:51	2402, b	
	<u>298.00</u>	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:27:25	2404, b	
	<u>302.50</u> F2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:28:20	2406	
	<u>302.70</u>	Manhole, within 8 inch: NO, Remarks: 2077-0371	00:28:42	2407	



## Inspection report

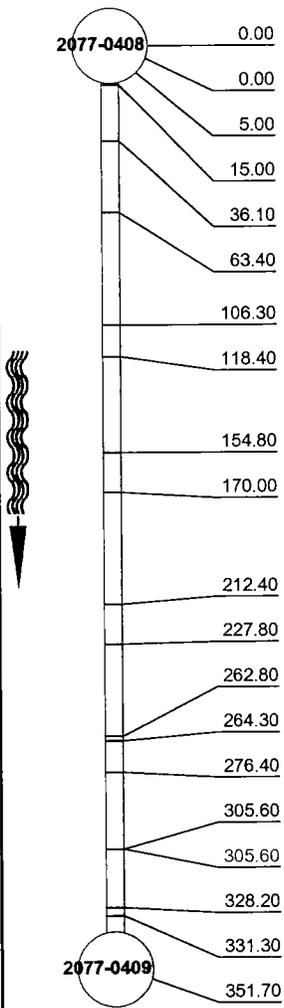
Date: <b>11/21/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>757</b>	PSR: <b>119284</b>
Total Pipe Length: <b>250.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/20/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WELLSFORD AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0408</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0409</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-012</b>	Total length surveyed: <b>351.7 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0408	00:00:56	2657	
	0.00	Crack Multiple, from 6 to 9 o'clock, within 8 inch: NO	00:01:44	2658, b	
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:31	2660	
	15.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:08	2661	
	36.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:53	2662	
	63.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:54	2663	
	106.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:05	2664	
	118.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:38	2665	
	154.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:40	2666	
	170.00	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:08:29	2667	
	212.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:40	2668	
	227.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:22	2669	
	262.80	Crack Multiple, from 7 to 5 o'clock, 6", within 8 inch: YES	00:11:37	2670, b	
	264.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:32	2672	
	276.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:35	2673	
	305.60	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES	00:15:25	2674, b	
	305.60	Broken, from 6 to 9 o'clock, within 8 inch: YES	00:15:57	2676, b	S 4
	328.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:30	2678	
	331.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:02	2679	
	351.70	Manhole, within 8 inch: NO, Remarks: 2077-0409	00:19:02	2680	



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



## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>762</b>	PSR: <b>119224</b>
Total Pipe Length: <b>143.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0411</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0410</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>G312-013</b>	Total length surveyed: <b>143.6 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:372	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0411	00:00:59	2745	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:19	2746	
	0.80	Fracture Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:01:48	2747, b	
	25.60	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:03:13	2749	
	32.20	Fracture Circumferential, from 7 to 6 o'clock, within 8 inch: YES	00:03:58	2750, b	
	38.50 S1	Fracture Circumferential, from 7 to 6 o'clock, within 8 inch: YES, Start	00:05:02	2752, b	
	38.50 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:26	2755, b	
	82.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:45	2757	
	94.00	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:08:30	2758	
	96.70	Crack Multiple, from 4 to 10 o'clock, within 8 inch: NO	00:09:24	2759, b	
	96.70	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: NO	00:09:47	2761, b	
	96.90	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:10:31	2763	
	136.90 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:12:27	2764	
	140.20	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:13:02	2765, b	
	140.50	Broken, from 8 to 10 o'clock, within 8 inch: YES	00:13:39	2767, b	S 4
	140.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:14:04	2769, b	
	140.50	Joint Offset Medium, within 8 inch: YES	00:14:58	2771, b	
	140.50 S3	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO, Start	00:15:32	2773, b	
	140.50 S4	Fracture Longitudinal, at 6 o'clock, within 8 inch: NO, Start	00:16:05	2775, b	
	140.50 S5	Crack Longitudinal, at 5 o'clock, within 8 inch: YES, Start	00:16:32	2777, b	
	140.50	Broken, from 4 to 5 o'clock, within 8 inch: YES	00:16:57	2779, b	S 4



## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>762</b>	PSR: <b>119224</b>
Total Pipe Length: <b>143.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:372	position	observation	MPEG	photo	grade
	<u>140.50</u>	Broken, from 8 to 10 o'clock, within 8 inch: YES	00:13:39	2767, b	S 4
	<u>140.50</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:14:04	2769, b	
	<u>140.50</u>	Joint Offset Medium, within 8 inch: YES	00:14:58	2771, b	
	<u>140.50</u> <b>S3</b>	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO, Start	00:15:32	2773, b	
	<u>140.50</u> <b>S4</b>	Fracture Longitudinal, at 6 o'clock, within 8 inch: NO, Start	00:16:05	2775, b	
	<u>140.50</u> <b>S5</b>	Crack Longitudinal, at 5 o'clock, within 8 inch: YES, Start	00:16:32	2777, b	
	<u>140.50</u>	Broken, from 4 to 5 o'clock, within 8 inch: YES	00:16:57	2779, b	S 4
	<u>142.20</u> <b>F1</b>	Fracture Circumferential, from 7 to 6 o'clock, within 8 inch: YES, End	00:18:10	2781	
	<u>142.20</u> <b>F3</b>	Fracture Longitudinal, at 4 o'clock, within 8 inch: NO, End	00:18:32	2782	
	<u>142.20</u> <b>F4</b>	Fracture Longitudinal, at 6 o'clock, within 8 inch: NO, End	00:18:52	2783	
	<u>142.20</u> <b>F5</b>	Crack Longitudinal, at 5 o'clock, within 8 inch: YES, End	00:19:13	2784	
	<u>143.60</u>	Manhole, within 8 inch: NO, Remarks: 2077-0410	00:19:53	2785	



## Inspection report

Date: <b>12/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>865</b>	PSR: <b>119707</b>
Total Pipe Length: <b>207.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/04/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>GLENGARRY AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0014</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0013</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-020</b>	Total length surveyed: <b>201.4 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0014	00:00:53	4114	
	3.00	Roots Tap Joint, from 2 to 4 o'clock, 10 %, within 8 inch: YES	00:01:34	4115, b	
	3.00	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:01:57	4117, b	
	5.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:49	4119	
	6.00	Water Level, within 8 inch: NO	00:03:11	4120	
	15.50	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:03:48	4121, b	
	54.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:21	4123	
	80.40	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:06:32	4124, b	
	80.40	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:07:13	4126, b	
	85.30 S1	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, Start	00:08:08	4128, b	
	86.40	Fracture Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:08:56	4131, b	
	121.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:10:56	4133	
	157.40	Joint Offset Medium, within 8 inch: YES	00:12:23	4134, b	
	157.40 F1	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES, End	00:12:51	4136	
	158.50	Material Change, within 8 inch: NO, Remarks: CAS	00:13:18	4137	
	169.80	Surface Corrosion Metal Pipe, from 2 to 10 o'clock, within 8 inch: NO	00:14:11	4138, b	
	192.70	Surface Corrosion Metal Pipe, from 7 to 5 o'clock, within 8 inch: NO	00:15:42	4140	
	193.90	Material Change, within 8 inch: NO, Remarks: VCP	00:16:09	4141	
	194.00	Crack Multiple, from 7 to 6 o'clock, within 8 inch: YES	00:16:46	4142, b	
	195.00	Roots Fine Joint, from 7 to 6 o'clock, within 8 inch: YES	00:17:42	4144, b	
	195.00	Broken, from 4 to 8 o'clock, within 8 inch: YES	00:18:21	4146, b	S 5
	195.00	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:19:22	4148, b	
	197.80	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:20:01	4150, b	
	201.40	Manhole, within 8 inch: NO, Remarks: 2077-0013	00:21:02	4152	

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



## Inspection report

Date: <b>12/07/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>891</b>	PSR: <b>16743</b>
Total Pipe Length: <b>260.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/06/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

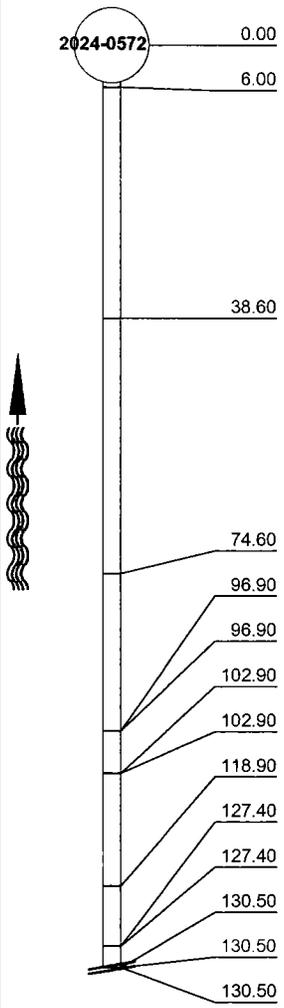
Street: <b>NORWALK BV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0572</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0570</b>
Location Code: <b>Main Highway - Suburban/Rural</b>	Tape/Media #: <b>G312-022</b>	Total length surveyed: <b>130.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:

Location details:

1:325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0572	00:01:01	4598	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:42	4599	
	38.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:44	4600	
	74.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:57	4601	
	96.90	Roots Medium Joint, from 7 to 10 o'clock, 25 %, within 8 inch: YES	00:05:01	4602, b	
	96.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:22	4604, b	
	102.90	Roots Tap Joint, from 7 to 9 o'clock, 20 %, within 8 inch: YES	00:06:28	4606, b	
	102.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:06:51	4608, b	
	118.90	Deposits Ingressed Fine, from 7 to 5 o'clock, 5 %, within 8 inch: NO, Remarks: Silt	00:08:20	4610, b	
	127.40	Roots Tap Joint, from 2 to 9 o'clock, 15 %, within 8 inch: YES	00:09:28	4612, b	
	127.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:50	4614, b	
	130.50	Obstacle Pipe Material, from 2 to 10 o'clock, 60 %, within 8 inch: NO	00:12:18	4616	
	130.50	Broken, from 2 to 10 o'clock, within 8 inch: NO	00:12:49	4617	S 5
	130.50	Abandoned Survey, within 8 inch: NO, Remarks: Completes inspection of e	00:13:17	4618	





## Inspection report

Date: <b>12/12/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>928</b>	PSR: <b>16581</b>
Total Pipe Length: <b>235.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/11/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0791</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0790</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>G312-025</b>	Total length surveyed: <b>297.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:

Location details:

1:744 position	description within 8 inch: NO, Remarks: 2024-0791	TIME	ELEV	grade
6.00	Water Level, 10 %, within 8 inch: NO	00:02:34	5020	
35.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:04:20	5021	
38.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:04:41	5022	
90.30	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:37	5023	
90.30	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:06:58	5024, b	
91.00	Broken, from 10 to 3 o'clock, within 8 inch: YES	00:08:01	5026, b	S 5
92.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:47	5028	
92.50	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:09:07	5029, b	
124.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:10:55	5031, b	
147.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:12:12	5033	
147.90	Roots Fine Connection, from 7 to 9 o'clock, within 8 inch: NO	00:12:38	5034, b	
150.10	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:13:21	5036	
200.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:30	5037, b	
200.50	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:15:51	5039, b	
202.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:39	5041	
204.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:17:02	5042	
259.20	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:18:59	5043	
259.20	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:19:23	5044, b	
261.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:20:02	5046	
290.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:21:16	5047	
292.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:21:42	5048	
293.80	Joint Offset Medium, within 8 inch: YES	00:22:09	5049, b	
293.80 S1	Roots Tap Joint, from 3 to 7 o'clock, 15 %, within 8 inch: YES, Start	00:22:38	5051, b	
297.30 F1	Roots Tap Joint, from 3 to 7 o'clock, 15 %, within 8 inch: YES, End	00:24:00	5053	
297.30	Manhole, within 8 inch: NO, Remarks: 2024-0790	00:24:35	5054	

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



## Inspection report

Date: <b>11/06/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>624</b>	PSR: <b>119775</b>
Total Pipe Length: <b>278.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ROCKNE AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0103</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0102</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-002</b>	Total length surveyed: <b>325 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:  
 Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0103	00:00:54	394	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:14	395	
	4.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:35	396	
	13.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:09	397	
	44.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:08	398	
	65.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:59	399	
	67.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:22	400	
	138.40	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:06:19	401	
	141.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:48	402	
	150.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:29	403	
	168.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:08:14	404	
	186.10	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:09:00	405	
	208.90	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:10:05	406, b	S 4
	208.90	Joint Offset Medium, within 8 inch: YES	00:10:28	408, b	
	292.00	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:12:56	410, b	
	296.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:46	412	
	298.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:11	413	
	300.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:14:50	414, b	
	300.40	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:15:12	416, b	
	303.80	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:16:04	418, b	
307.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:16:51	420		
325.00	Manhole, within 8 inch: NO, Remarks: 2076-0102	00:17:44	421		

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



## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>Y0TV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Anthony Hernandez</b>	section number: <b>597</b>	PSR: <b>119256</b>
Total Pipe Length: <b>280.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>APPLEDALE AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0440</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0441</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>A315-002</b>	Total length surveyed: <b>281.4 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:434	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0440	00:00:37	453	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:52	454	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:46	455	
	6.00	Water Mark, 25 %, within 8 inch: NO	00:02:04	456	
	23.70	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:02:59	457, b	
	23.70	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:03:52	459, b	
	26.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:11	461, b	
	34.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:05	463	
	50.90	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:07:02	464, b	
	70.10	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:50	466	
	79.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:29	467	
	105.40	Crack Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:10:47	468, b	
	108.40	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:11:54	470, b	
	108.40	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:12:16	472, b	
	108.40	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:12:46	474, b	
	111.40	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:13:41	476, b	
	118.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:36	478	
	138.80	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:16:11	479, b	
	138.80	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:16:33	481, b	
	138.80	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:16:59	483, b	
	139.90	Tap Factory Defective, at 10 o'clock, 6", within 8 inch: NO, Remarks: HOLE	00:18:06	485, b	
	168.50	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:21:07	489, b	



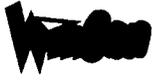
## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>Y0TV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Anthony Hernandez</b>	section number: <b>597</b>	PSR: <b>119256</b>
Total Pipe Length: <b>280.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:434	position	observation	MPEG	photo	grade
	<u>168.50</u>	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:21:07	489, b	
	<u>169.00</u>	Crack Longitudinal, at 7 o'clock, within 8 inch: YES	00:22:19	491, b	
	<u>169.00</u>	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:23:02	493, b	
	<u>169.00</u>	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:23:31	495, b	
	<u>170.20</u>	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:24:23	497	
	<u>172.20</u>	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:25:21	498, b	
	<u>175.10</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:26:12	500, b	
	<u>178.10</u>	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:26:50	502, b	
	<u>197.40</u>	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:28:37	504	
	<u>202.40</u>	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:29:25	505, b	
	<u>208.40</u>	Hole Soil Visible, from 8 to 2 o'clock, within 8 inch: YES, Remarks: ASPHALT	00:31:29	507, b	
	<u>223.50</u>	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:34:05	511, b	
	<u>223.50</u>	Fracture Circumferential, from 3 to 8 o'clock, within 8 inch: YES	00:35:07	513, b	
	<u>226.50</u>	Crack Circumferential, from 2 to 11 o'clock, within 8 inch: YES	00:36:14	515, b	
	<u>240.50</u> S1	Water Level Sag, 25 %, within 8 inch: NO, Start	00:37:20	517	
	<u>247.70</u>	Crack Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:38:06	518, b	
	<u>259.80</u>	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:39:14	520, b	
	<u>265.90</u>	Crack Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:40:19	522, b	
	<u>275.00</u>	Crack Circumferential, from 11 to 4 o'clock, within 8 inch: YES	00:41:29	524, b	
	<u>277.70</u>	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:42:27	526, b	
	<u>281.40</u>	Vermin Cockroach, within 8 inch: NO	00:43:02	528	
	<u>281.40</u> F1	Water Level Sag, 25 %, within 8 inch: NO, End	00:43:37	529	
	<u>281.40</u>	Manhole, within 8 inch: NO, Remarks: 2077-0441	00:44:02	530	

2077-0441

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



## Inspection report

Date: <b>11/28/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1133</b>	PSR: <b>119266</b>
Total Pipe Length: <b>97.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>CALOBAR AVE</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0453</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0447</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-014</b>	Total length surveyed: <b>142.6 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:350	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0453	00:00:30	3439	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:43	3440	
	3.40	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:01:43	3441	
	6.00	Water Level, 5 %, within 8 inch: NO	00:02:21	3442	
	8.90	Crack Circumferential, from 11 to 2 o'clock, within 8 inch: YES	00:03:28	3443, b	
	47.90	Fracture Circumferential, from 5 to 7 o'clock, within 8 inch: YES	00:05:15	3445, b	
	48.00	Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: YES	00:05:37	3447, b	
	48.00	Crack Circumferential, from 11 to 8 o'clock, within 8 inch: YES	00:06:00	3449	
	52.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:39	3450	
	87.00	Crack Circumferential, from 12 to 2 o'clock, within 8 inch: YES	00:08:01	3451, b	
	88.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:32	3453	
	105.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:09:25	3454, b	
	129.50	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:10:38	3456, b	
	132.50	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:11:11	3458, b	
	135.80	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:11:47	3460, b	
142.60	Vermin Cockroach, within 8 inch: NO	00:12:30	3462		
142.60	Manhole, within 8 inch: NO, Remarks: 2077-0447	00:12:49	3463		



## Inspection report

Date: <b>11/28/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1132</b>	PSR: <b>119272</b>
Total Pipe Length: <b>85.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ROSE HEDGE DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0453</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0452</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-014</b>	Total length surveyed: <b>97 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0453	00:00:28	3422	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:43	3423	
	2.80	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:1:10	3424	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:51	3425	
	11.40	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:02:19	3426, b	
	17.30	Crack Circumferential, from 7 to 2 o'clock, within 8 inch: YES	00:02:58	3428, b	
	35.70	Fracture Circumferential, from 5 to 7 o'clock, within 8 inch: YES	00:04:07	3430, b	
	35.70	Broken Soil Visible, from 5 to 7 o'clock, within 8 inch: YES	00:04:32	3432	
	40.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:54	3433	
	50.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:05:23	3434, b	
	92.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:02	3436	
	97.00	Vermin Cockroach, within 8 inch: NO	00:07:21	3437	
	97.00	Manhole, within 8 inch: NO, Remarks: 2077-0452	00:07:36	3438	

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



## Inspection report

Date: <b>11/07/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>18</b>	PSR: <b>17428</b>
Total Pipe Length: <b>256.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/06/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2023-0752</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2023-0760</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-003</b>	Total length surveyed: <b>255.1 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2023</b>	Lining:
	Category:

Comment:

Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2023-0752	00:00:50	264	
	12.90	Water Level, 10 %, within 8 inch: NO	00:01:53	265	
	15.80	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:22	266	
	55.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:03:33	267	
	109.10	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:05:18	268, b	
	111.90	Broken Soil Visible, at 10 o'clock, within 8 inch: YES	00:06:56	270, b	
	183.30	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:09:37	272	
	188.70	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:10:08	273	
	208.20	Roots Fine Joint, at 7 o'clock, within 8 inch: YES	00:11:03	274, b	
	255.10	Manhole, within 8 inch: NO, Remarks: 2023-0760	00:14:31	276	

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



## Inspection report

Date: <b>11/14/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1043</b>	PSR: <b>119340</b>
Total Pipe Length: <b>178.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/12/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>TOWNLEY DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0400</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0401</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-006</b>	Total length surveyed: <b>218.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0400	00:00:28	1706	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:42	1707	
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:09	1708	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:29	1709	
	32.70	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:02:48	1710, b	
	47.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:42	1712	
	50.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:04	1713	
	54.20	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:04:35	1714	
	90.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:50	1715	
	92.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:6:10	1716	
	93.10	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:06:34	1717	
	98.00	Crack Circumferential, from 4 to 11 o'clock, within 8 inch: NO	00:06:59	1718	
	100.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:19	1719	
	103.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:42	1720	
	174.00	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:10:01	1721	
	208.50	Broken Void Visible, from 8 to 3 o'clock, within 8 inch: NO	00:11:43	1722, b	
	209.20	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:12:28	1724	
	211.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:50	1725	
218.50	Vermin Cockroach, within 8 inch: NO	00:13:23	1726		
218.50	Manhole, within 8 inch: NO, Remarks: 2077-0401 BURIED MH	00:13:55	1727		

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



## Inspection report

Date: <b>12/26/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1316</b>	PSR: <b>15968</b>
Total Pipe Length: <b>282.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/19/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>NORWALK BV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2025-0465</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2025-0466</b>
Location Code: <b>Main Highway - Urban</b>	Tape/Media #: <b>M313-027</b>	Total length surveyed: <b>251.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2025</b>	Lining:
	Category:

Comment:

Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2025-0465	00:00:32	5885	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:26	5886	
	9.80	Crack Circumferential, from 1 to 2 o'clock, within 8 inch: YES	00:02:14	5887, b	
	40.40	Crack Circumferential, from 3 to 8 o'clock, within 8 inch: YES	00:03:40	5889, b	
	41.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:4:10	5891	
	52.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:04:50	5892, b	
	68.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:55	5894	
	73.30	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:06:26	5895, b	
	94.80	Crack Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:07:45	5897, b	
	96.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:15	5899	
	100.60	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:08:51	5900, b	
	101.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:24	5902	
	118.50	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: YES	00:10:17	5903, b	
	135.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:15	5905	
	137.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:35	5906	
	158.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:12:28	5907	
	169.20	Hole Void Visible, from 12 to 1 o'clock, within 8 inch: YES	00:13:16	5908, b	
	169.20	Crack Circumferential, from 1 to 3 o'clock, within 8 inch: YES	00:13:40	5910	
	210.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:08	5911	
	214.60	Crack Circumferential, from 12 to 4 o'clock, within 8 inch: YES	00:15:38	5912, b	
	233.10	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:16:45	5914, b	
	234.40	Tap Factory, at 3 o'clock, 6", within 8 inch: NO	00:17:20	5916	
	244.70	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:18:03	5917, b	
	251.30	Manhole, within 8 inch: NO, Remarks: 2025-0466	00:18:48	5919	



## Inspection report

Date: <b>11/12/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1006</b>	PSR: <b>119407</b>
Total Pipe Length: <b>241.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>RINCON DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0345</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0337</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-004</b>	Total length surveyed: <b>299.9 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:341	position	description	time	grade
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:46	1101
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:33	1102
	5.90	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:02:12	1103, b
	6.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:48	1105
	14.30	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:25	1106, b
	26.40	Roots Fine Joint, at 11 o'clock, within 8 inch: YES	00:04:15	1108, b
	35.70	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:04:58	1110
	35.70	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:05:21	1111, b
	57.10	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:06:35	1114, b
	69.30	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:07:33	1116
	69.30	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:08:03	1117
	70.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:26	1118
	71.90	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:08:51	1119
	71.90	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:09:10	1120
	73.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:34	1121
	92.90	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:10:41	1122
	92.90	Hole Void Visible, from 7 to 8 o'clock, within 8 inch: YES	00:11:05	1123
	94.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:25	1124
	94.10	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:11:46	1125
	110.70	Roots Fine Joint, from 11 to 4 o'clock, within 8 inch: YES	00:12:28	1126
	114.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:49	1127
	121.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:23	1128
	121.30	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:13:43	1129
	126.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:14	1130
	126.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:35	1131



## Inspection report

Date: <b>11/12/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1006</b>	PSR: <b>119407</b>
Total Pipe Length: <b>241.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:341	position	observation	MPEG	photo	grade
	126.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:14	1130	
	126.90	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:14:35	1131	
	134.30	Crack Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:15:08	1132, b	
	139.80 <b>F1</b>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:42	1134	
	155.90	Roots Fine Joint, from 8 to 11 o'clock, within 8 inch: YES	00:16:19	1135, b	
	155.90	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:16:41	1137	
	158.90	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:17:23	1138, b	
	166.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:10	1140	
	166.40	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:18:30	1141	
	173.90	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:18:58	1142, b	
	173.90	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:19:19	1144, b	
	206.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:44	1146	
	214.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:17	1147	
	265.60	Crack Circumferential, from 7 to 4 o'clock, within 8 inch: YES	00:23:11	1148, b	
	280.70	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:24:11	1150, b	
	299.90	Vermin Cockroach, within 8 inch: NO	00:25:12	1152	
	299.90	Manhole, within 8 inch: NO, Remarks: 2077-0337	00:25:31	1153	

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



## Inspection report

Date: <b>11/08/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>983</b>	PSR: <b>119692</b>
Total Pipe Length: <b>306.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0147</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0149</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-002</b>	Total length surveyed: <b>322.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0147	00:00:37	462	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:51	463	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:19	464	
	25.20	Roots Fine Joint, from 9 to 11 o'clock, within 8 inch: YES	00:02:56	465, b	
	45.10	Tap Factory, at 3 o'clock, 6", within 8 inch: NO	00:04:04	467	
	49.60	Crack Circumferential, from 7 to 8 o'clock, within 8 inch: YES	00:04:36	468, b	
	50.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:5:10	470	
	86.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:06:39	471, b	
	130.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:20	473	
	206.30	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:10:52	474, b	
	240.00	Crack Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:12:35	476, b	
	241.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:11	478	
	265.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:08	479	
	273.10	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:14:51	480, b	
	276.40	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:15:42	482, b	
	290.00	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:16:49	484	
	290.00	Hole Soil Visible, at 3 o'clock, within 8 inch: NO	00:17:30	485	
	296.60	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:18:18	486	
322.30	Vermin Cockroach, within 8 inch: NO	00:19:28	487		
322.30	Manhole, within 8 inch: NO, Remarks: 2076-0149	00:19:48	488		



## Inspection report

Date: <b>11/12/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1014</b>	PSR: <b>119294</b>
Total Pipe Length: <b>236.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0353</b>
City: <b>ZLAC</b>	Year Renewed	End MH: <b>2077-0357</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>M313-004</b>	Total length surveyed: <b>26.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:75	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0353	00:00:49	1223	
	5.00	Water Level, 5 %, within 8 inch: NO	00:01:26	1224	
	26.50	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:03:03	1225	
	26.50	Hole Void Visible, at 12 o'clock, within 8 inch: NO	00:03:34	1226	
	26.50	Obstacle Intruding Thru Wall, at 12 o'clock, 15 %, within 8 inch: NO	00:04:29	1227, b	
	26.50	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS OBSTACLE	00:05:10	1229	

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



## Inspection report

Date: <b>11/08/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>34</b>	PSR: <b>17350</b>
Total Pipe Length: <b>139.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/07/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>S G RIVER FW</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2023-0796</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2023-0797</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-004</b>	Total length surveyed: <b>149.4 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2023</b>	Lining:
	Category:

Comment:  
 Location details:

1:375	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2023-0796	00:00:43	443	
	7.90	Water Level, 5 %, within 8 inch: NO	00:01:51	444	
	13.00	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:20	445	
	75.70	Tap Factory Abandoned, at 2 o'clock, 4", within 8 inch: NO	00:04:33	446	
	146.50	Hole Soil Visible, at 12 o'clock, within 8 inch: NO	00:07:28	447, b	
	149.40	Manhole, within 8 inch: NO, Remarks: 2023-0797	00:08:41	449	

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



WinCan America, Inc.  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
 Tel: (505) 341.0109, Fax: (505) 341.0133

## Inspection report

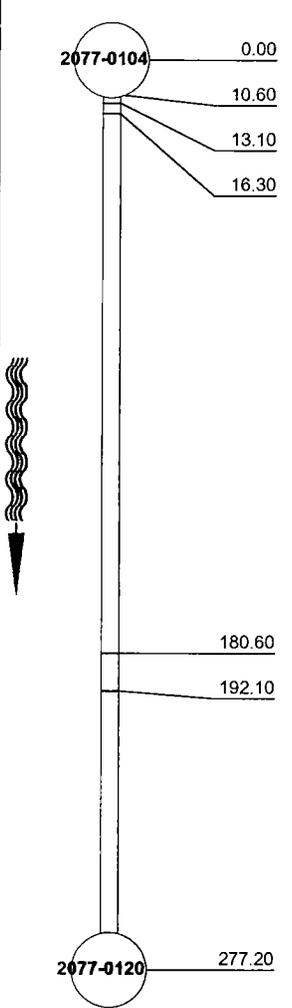
Date: <b>11/14/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>92</b>	PSR: <b>119551</b>
Total Pipe Length: <b>278.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/13/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>COOLHURST DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0104</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0120</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-008</b>	Total length surveyed: <b>277.2 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0104	00:00:43	1189	
	10.60	Broken, from 10 to 4 o'clock, within 8 inch: YES, Remarks: Joint	00:03:51	1190, b	S 5
	13.10	Water Level, 5 %, within 8 inch: NO	00:04:25	1192	
	16.30	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:04:49	1193	
	180.60	Water Level, 20 %, within 8 inch: NO	00:08:44	1194	
	192.10	Water Level, 5 %, within 8 inch: NO	00:09:11	1195	
	277.20	Manhole, within 8 inch: NO, Remarks: 2077-0120	00:11:45	1196	



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



## Inspection report

Date: <b>11/14/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1038</b>	PSR: <b>119338</b>
Total Pipe Length: <b>228.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/12/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>BEXLEY DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0398</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0397</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-006</b>	Total length surveyed: <b>226.6 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0398	00:00:29	1621	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:45	1622	
	4.00	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:1:10	1623	
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:43	1624	
	5.00	Water Level, 5 %, within 8 inch: NO	00:02:06	1625	
	7.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:24	1626	
	32.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:24	1627	
	35.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:46	1628	
	93.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:46	1629	
	106.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:25	1630	
	124.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:14	1631	
	124.70	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:07:34	1632	
	137.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:14	1633	
	143.90	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:08:40	1634, b	
	149.40	Roots Fine Joint, from 4 to 10 o'clock, within 8 inch: YES	00:09:19	1636	
	154.30	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:09:42	1637	
	159.60	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:10:04	1638	
	170.00	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:10:37	1639	
	186.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:21	1640	
	204.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:09	1641	
	226.60	Hole Soil Visible, from 4 to 6 o'clock, within 8 inch: NO, Remarks: IN CHANNEL	00:13:28	1642, b	
	226.60	Vermin Cockroach, within 8 inch: NO	00:13:58	1644	
	226.60	Manhole, within 8 inch: NO, Remarks: 2077-0397	00:14:18	1645	

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



## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>662</b>	PSR: <b>119383</b>
Total Pipe Length: <b>268.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>HAVENWOOD DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0313</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0312</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-005</b>	Total length surveyed: <b>264.4 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

	1:650	position	observation	MPEG	photo	grade
		0.00	Manhole, within 8 inch: NO, Remarks: 2077-0313	00:00:48	1196	
		3.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:11	1197	
		4.50	<b>S1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:01:53	1198, b	
		5.00	Water Level, 5 %, within 8 inch: NO	00:02:31	1201	
		5.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:53	1202	
		5.20	Roots Medium Lateral, from 7 to 9 o'clock, 25 %, within 8 inch: NO	00:03:19	1203, b	
		47.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:51	1205	
		65.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:31	1206	
		65.80	Roots Tap Lateral, at 3 o'clock, 15 %, within 8 inch: NO	00:05:56	1207, b	
		67.20	<b>S2</b> Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, Start	00:06:33	1209, b	
		98.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:45	1212	
		110.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:41	1213	
		174.80	<b>S4</b> Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:11:22	1214, b	
		175.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:18	1217	
		180.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:51	1218	
	217.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:53	1219		
	234.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:37	1220		
	260.30	<b>F1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:17	1221		
	260.30	<b>F2</b> Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, End	00:15:37	1222		
	260.30	<b>F4</b> Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:02	1223		
	264.40	Manhole, within 8 inch: NO, Remarks: 2077-0312	00:16:32	1224		



## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>758</b>	PSR: <b>119251</b>
Total Pipe Length: <b>169.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WEXFORD AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0435</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0436</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-013</b>	Total length surveyed: <b>227.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0435	00:00:52	2681	
	2.50	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:02:06	2682	
	5.00	Water Level, 5 %, within 8 inch: NO	00:02:56	2683	
	5.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:03:15	2684	
	12.00	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:03:45	2685	
	15.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:13	2686	
	17.00	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:04:48	2687, b	
	17.00	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:05:20	2689, b	
	55.40 S1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:07:02	2691, b	
	67.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:42	2693	
	72.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:09:11	2694	
	74.40 F1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:09:30	2695	
	121.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:10:51	2696	
	124.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:11:22	2697	
	153.90	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:12:31	2698, b	
	176.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:43	2700	
	185.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:15	2701	
	222.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:19:33	2702	
	227.50	Manhole, within 8 inch: NO, Remarks: 2077-0436	00:20:11	2703	

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



## Inspection report

Date: <b>12/07/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>887</b>	PSR: <b>16842</b>
Total Pipe Length: <b>236.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/06/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WAKEMAN ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0545</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0544</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-022</b>	Total length surveyed: <b>258.6 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0545	00:01:01	4482	
	0.00	Fracture Multiple, from 2 to 5 o'clock, within 8 inch: NO	00:01:39	4483, b	
	6.00	Water Level, 15 %, within 8 inch: NO	00:02:27	4485	
	57.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:06	4486	
	93.30	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: YES	00:05:46	4487, b	
	109.30	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO, Remarks: multiple cracks	00:07:00	4489, b	
	112.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:39	4491	
	119.30	<b>S1</b> Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES, Start	00:08:22	4492, b	
	159.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:03	4495	
	183.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:04	4496	
	183.60	Broken, from 3 to 5 o'clock, within 8 inch: NO	00:12:02	4497, b	S 4
	210.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:21	4499	
	216.30	Water Level, 15 %, within 8 inch: NO	00:13:44	4500	
	253.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:06	4501	
	256.60	<b>F1</b> Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES, End	00:15:28	4502	
	258.60	Manhole, within 8 inch: NO, Remarks: 2024-0544	00:16:00	4503	

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



## Inspection report

Date: <b>12/06/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>873</b>	PSR: <b>24904</b>
Total Pipe Length: <b>242.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>AEOLIAN ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0230</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0541</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-021</b>	Total length surveyed: <b>319.4 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

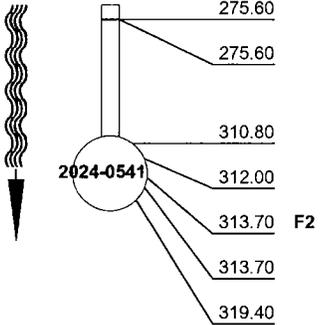
1:651	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0230	00:01:02	4233	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:32	4234	
	40.00	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:02:51	4235	
	77.20	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:04:14	4236	
	90.80 S1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:16	4237, b	
	92.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:06	4239	
	98.90 F1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:07:15	4240	
	103.70	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:07:42	4241	
	122.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:45	4242	
	160.20	Crack Circumferential, from 1 to 9 o'clock, within 8 inch: YES	00:10:39	4243, b	
	161.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:34	4245	
	163.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:12:14	4246	
	182.20	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:13:25	4247	
	200.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:14:31	4248	
	208.90	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:15:37	4249	
	208.90	Roots Fine Connection, from 3 to 5 o'clock, within 8 inch: NO	00:16:05	4250, b	
	210.20	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:16:43	4252	
	210.20	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:17:21	4253, b	
	212.10	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:17:58	4255	
	217.20	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:18:37	4256, b	
	246.00	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:20:06	4258	
	260.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:20:54	4259	
	262.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:21:37	4260, b	
	262.30 S2	Water Level Sag, 25 %, within 8 inch: NO, Start	00:22:04	4262	



## Inspection report

Date: <b>12/06/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>873</b>	PSR: <b>24904</b>
Total Pipe Length: <b>242.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:651	position	observation	MPEG	photo	grade
	<u>275.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:47	4263	
	<u>275.60</u>	Crack Multiple, from 2 to 9 o'clock, within 8 inch: YES	00:23:17	4264, b	
	<u>310.80</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:28:15	4266	
	<u>312.00</u>	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:30:38	4267	
	<u>313.70</u> F2	Water Level Sag, 25 %, within 8 inch: NO, End	00:31:05	4268	
	<u>313.70</u>	Water Level, 10 %, within 8 inch: NO	00:31:27	4269	
	<u>319.40</u>	Manhole, within 8 inch: NO, Remarks: 2024-0541	00:33:15	4270	



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



## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>658</b>	PSR: <b>119380</b>
Total Pipe Length: <b>269.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>LOCH LOMOND DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0309</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0308</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-005</b>	Total length surveyed: <b>265.7 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

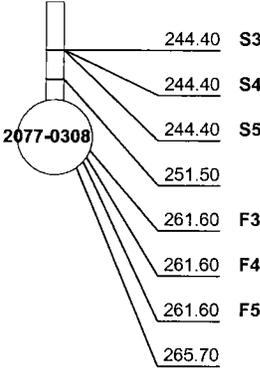
1:558	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0309	00:00:55	1068	
	5.00	Water Level, 5 %, within 8 inch: NO	00:02:21	1069	
	8.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:48	1070	
	16.20	Crack Multiple, from 2 to 8 o'clock, within 8 inch: YES	00:03:44	1071, b	
	17.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:20	1073	
	18.70	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:08	1074, b	
	18.70	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:05:32	1076, b	
	37.10	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:32	1078, b	
	37.10 S1	Roots Fine Joint, from 4 to 5 o'clock, within 8 inch: YES, Start	00:07:14	1080, b	
	46.30	Fracture Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:08:23	1082, b	
	47.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:58	1084	
	51.80	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:09:52	1085, b	
	58.10 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:46	1087, b	
	74.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:55	1089	
	98.30	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:13:34	1090, b	
	125.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:08	1092	
	125.70	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:15:30	1093, b	
	137.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:39	1095	
	174.60 F1	Roots Fine Joint, from 4 to 5 o'clock, within 8 inch: YES, End	00:17:55	1096	
	182.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:20	1097	
	196.10 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:03	1098	
	208.70	Crack Multiple, from 1 to 6 o'clock, within 8 inch: YES	00:19:44	1099, b	
	209.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:18	1101	
	221.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:54	1102	



## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>658</b>	PSR: <b>119380</b>
Total Pipe Length: <b>269.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:558	position	observation	MPEG	photo	grade
	<u>244.40</u> S3	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, Start	00:21:43	1103, b	
	<u>244.40</u> S4	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, Start	00:22:09	1105, b	
	<u>244.40</u> S5	Crack Multiple, from 8 to 11 o'clock, within 8 inch: YES, Start	00:22:50	1107, b	
	<u>251.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:23:42	1109	
	<u>261.60</u> F3	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES, End	00:24:14	1110	
	<u>261.60</u> F4	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES, End	00:24:34	1111	
	<u>261.60</u> F5	Crack Multiple, from 8 to 11 o'clock, within 8 inch: YES, End	00:24:55	1112	
	<u>265.70</u>	Manhole, within 8 inch: NO, Remarks: 2077-0308	00:25:32	1113	



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



## Inspection report

Date: <b>11/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>608</b>	PSR: <b>119746</b>
Total Pipe Length: <b>310.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Heavy Cleaning</b>	Map Grid #:

Street: <b>LOCKHEED AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0076</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0075</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-001</b>	Total length surveyed: <b>329.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:  
 Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0076	00:00:58	117	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:33	118	
	23.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:18	119	
	35.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:09	120	
	75.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:39	121	
	94.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:05:43	122, b	
	95.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:22	124	
	126.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:37	125	
	127.60	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:19	126, b	
	128.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:58	128	
	159.20 <b>S1</b>	Water Level Sag, 25 %, within 8 inch: NO, Start	00:10:29	129, b	
	195.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:07	131	
	195.90 <b>F1</b>	Water Level Sag, 25 %, within 8 inch: NO, End	00:19:32	132	
	196.00	Water Level, 15 %, within 8 inch: NO	00:19:54	133	
	201.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:16	134	
	231.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:21:23	135	
	242.00 <b>S2</b>	Fracture Multiple, from 5 to 10 o'clock, within 8 inch: YES, Start	00:22:25	136, b	
	243.20	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:23:05	138, b	
	243.90 <b>F2</b>	Fracture Multiple, from 5 to 10 o'clock, within 8 inch: YES, End	00:23:39	140	
	276.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:53	141	
	282.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:20	142	
	329.30	Manhole, within 8 inch: NO, Remarks: 2076-0075	00:28:34	143	

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



## Inspection report

Date: <b>11/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>615</b>	PSR: <b>119765</b>
Total Pipe Length: <b>298.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>PLEASANT WY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0094</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0093</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-001</b>	Total length surveyed: <b>301.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:  
 Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0094	00:00:40	216	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:22	217	
	40.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:19	218	
	55.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:56	219	
	79.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:40	220	
	106.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:30	221	
	121.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:05	222	
	138.80	Deposits Attached Encrustation, from 2 to 5 o'clock, 10 %, within 8 inch: NO, Remarks: calcium	00:05:53	223, b	
	139.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:27	225	
	160.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:08	226	
	181.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:57	227	
	187.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:28	228	
	210.40	Fracture Multiple, from 1 to 4 o'clock, within 8 inch: YES	00:09:21	229, b	
	211.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:58	231	
	212.90	Fracture Multiple, from 10 to 3 o'clock, within 8 inch: YES	00:10:34	232, b	
	238.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:40	234	
	275.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:45	235	
	276.50	Crack Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:13:47	236, b	
	301.50	Manhole, within 8 inch: NO, Remarks: 2076-0093	00:15:08	238	



## Inspection report

Date: <b>12/03/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>836</b>	PSR: <b>16797</b>
Total Pipe Length: <b>244.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/30/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>NORWALK BV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0568</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0569</b>
Location Code: <b>Main Highway - Suburban/Rural</b>	Tape/Media #: <b>G312-018</b>	Total length surveyed: <b>239.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0568	00:00:43	3722	
	4.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:01:17	3723	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:39	3724	
	46.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:52	3725	
	81.60	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:04:02	3726, b	
	81.90	<b>S1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:08	3728, b	
	81.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:05:27	3731, b	
	92.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:21	3733	
	119.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:18	3734	
	194.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:37	3735	
	225.50	Fracture Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:10:51	3736, b	
	226.30	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:11:35	3738, b	
	226.30	<b>F1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:11:58	3740	
	232.70	Crack Multiple, from 8 to 5 o'clock, within 8 inch: YES	00:13:02	3741, b	
	239.50	Manhole, within 8 inch: NO, Remarks: 2024-0569	00:14:02	3743	

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



## Inspection report

Date: <b>12/07/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>885</b>	PSR: <b>24905</b>
Total Pipe Length: <b>241.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/06/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WAKEMAN ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0219</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0545</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-022</b>	Total length surveyed: <b>239.6 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0219	00:00:46	4438	
	0.00	Crack Multiple, from 2 to 4 o'clock, within 8 inch: NO	00:01:06	4439, b	
	0.00	Water Level, 15 %, within 8 inch: NO	00:01:34	4441	
	5.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:5:10	4442, b	
	6.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:55	4444	
	69.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:12	4445	
	77.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:59	4446, b	
	78.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:38	4448	
	137.90	<b>S1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:07	4449	
	138.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:31	4450	
	140.20	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES	00:12:52	4451, b	
	141.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:38	4453	
	141.30	Broken, from 3 to 5 o'clock, within 8 inch: NO	00:14:09	4454, b	S 4
	156.10	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:15:21	4456	
	179.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:16:39	4457, b	
	180.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:18	4459	
	219.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:55	4460	
	219.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:19:15	4461, b	
	239.60	<b>F1</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:21:00	4463	
	239.60	Manhole, within 8 inch: NO, Remarks: 2024-0545	00:21:26	4464	

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



## Inspection report

Date: <b>11/26/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>763</b>	PSR: <b>119223</b>
Total Pipe Length: <b>198.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/21/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WELLSFORD AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0409</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0410</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-013</b>	Total length surveyed: <b>177 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0409	00:00:46	2786	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:53	2787	
	10.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:19	2788	
	24.00	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:03:11	2789, b	
	24.40 S1	Crack Multiple, from 2 to 10 o'clock, within 8 inch: YES, Start	00:04:15	2791, b	
	36.30 F1	Crack Multiple, from 2 to 10 o'clock, within 8 inch: YES, End	00:05:06	2793	
	39.90	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:05:30	2794, b	
	52.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:26	2796	
	54.90	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:06:50	2797, b	
	74.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:07:55	2799	
	88.50 S2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:09:00	2800, b	
	90.60 S3	Broken, from 4 to 6 o'clock, within 8 inch: YES, Start	00:10:08	2803, b	S 4
	91.10	Fracture Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:10:51	2805, b	
	91.20	Surface Aggregate Visible, from 2 to 4 o'clock, within 8 inch: YES	00:11:29	2807, b	
	91.70 F3	Broken, from 4 to 6 o'clock, within 8 inch: YES, End	00:12:03	2809	S 4
	113.80	Tap Factory Defective, at 9 o'clock, 4", within 8 inch: NO	00:13:09	2810, b	
	132.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:14:14	2812	
	173.70 F2	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:16:03	2813	
	177.00	Manhole, within 8 inch: NO, Remarks: 2077-0410	00:16:48	2814	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	0000	8	0	8	4	0	4



## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>654</b>	PSR: <b>119827</b>
Total Pipe Length: <b>359.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>BEXLEY DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0032</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0033</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-005</b>	Total length surveyed: <b>281.9 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:

Location details:

1:620 position	Observation within 8 inch: NO, Remarks: 2076-0032	TIME	point	grade
4.00	Crack Multiple, from 7 to 6 o'clock, within 8 inch: YES	00:01:42	979, b	
4.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:19	981	
5.00	Fracture Multiple, from 7 to 10 o'clock, within 8 inch: NO	00:03:23	982, b	
5.00	Water Level, 10 %, within 8 inch: NO	00:03:52	984	
6.20	Crack Multiple, from 7 to 11 o'clock, within 8 inch: YES	00:04:13	985, b	
13.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:00	987	
37.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:55	988	
52.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:38	989	
54.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:07:07	990, b	
69.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:08:12	992, b	
82.00	Fracture Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:09:08	994, b	
82.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:44	996	
89.80	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:14	997, b	
90.70	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:10:57	999, b	
103.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:53	1001	
105.60	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES	00:12:28	1002, b	
131.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:36	1004	
152.50	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:14:25	1005, b	
189.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:51	1007	
196.70 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:17:27	1008, b	
200.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:07	1010	
223.80 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:03	1011	
243.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:53	1012	
251.30	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:20:55	1013, b	
251.30	Crack Multiple, from 8 to 10 o'clock, within 8 inch: YES	00:21:18	1015, b	

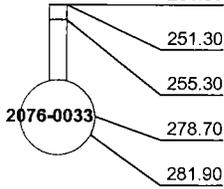


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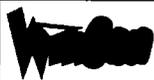
## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>654</b>	PSR: <b>119827</b>
Total Pipe Length: <b>359.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:620	position	observation	MPEG	photo	grade
	<u>251.30</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:20:55	1013, b	
	<u>251.30</u>	Crack Multiple, from 8 to 10 o'clock, within 8 inch: YES	00:21:18	1015, b	
	<u>255.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:22:07	1017	
	<u>278.70</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:23:14	1018, b	
	<u>281.90</u>	Manhole, within 8 inch: NO, Remarks: 2076-0033	00:28:00	1020	



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



## Inspection report

Date: <b>11/08/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>651</b>	PSR: <b>119363</b>
Total Pipe Length: <b>322.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0293</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0292</b>
Location Code: <b>Alley</b>	Tape/Media #: <b>G312-004</b>	Total length surveyed: <b>341.7 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:837	position	observation	MPEG	photo	grade
	0.00	<b>S1</b> Deposits Settled Compacted, from 5 to 7 o'clock, 10 %, within 8 inch: NO, Remarks: Cement, Start	00:00:55	912, b	
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0293	00:01:35	914	
	5.00	<b>F1</b> Deposits Settled Compacted, from 5 to 7 o'clock, 10 %, within 8 inch: NO, Remarks: Cement, End	00:02:09	915	
	5.00	Water Level, 5 %, within 8 inch: NO	00:02:30	916	
	6.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:51	917	
	11.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:21	918	
	17.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:50	919	
	81.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:38	920	
	89.20	<b>S2</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:06:15	921, b	
	96.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:59	923	
	114.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:46	924	
	146.50	Fracture Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:09:18	925, b	
	146.50	<b>F2</b> Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:09:41	927	
	147.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:04	928	
	177.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:10	929	
	180.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:31	930	
	226.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:55	931	
	243.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:39	932	
	268.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:31	933	
	270.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:59	934	
272.10	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:15:34	935, b		
325.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:14	937		
326.50	Roots Fine Joint, from 3 to 4 o'clock, within 8 inch: YES	00:17:35	938, b		

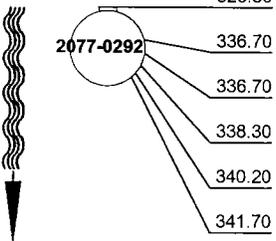


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## Inspection report

Date: <b>11/08/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>651</b>	PSR: <b>119363</b>
Total Pipe Length: <b>322.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:837	position	observation	MPEG	photo	grade
	<u>326.50</u>	Roots Fine Joint, from 3 to 4 o'clock, within 8 inch: YES	00:17:35	938, b	
	<u>336.70</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:35	940	
	<u>336.70</u>	Roots Medium Lateral, from 7 to 9 o'clock, 20 %, within 8 inch: NO	00:19:05	941, b	
	<u>338.30</u>	Fracture Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:20:09	943, b	
	<u>340.20</u>	Crack Multiple, from 7 to 6 o'clock, within 8 inch: NO	00:21:16	945, b	
	<u>341.70</u>	Manhole, within 8 inch: NO, Remarks: 2077-0292	00:21:59	947	



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



## Inspection report

Date: <b>12/07/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>883</b>	PSR: <b>119423</b>
Total Pipe Length: <b>340.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/06/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>WAKEMAN ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0220</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0228</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-022</b>	Total length surveyed: <b>337.8 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0220	00:00:57	4371	
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:45	4372	
	5.80	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:30	4373, b	
	6.00	Water Level, 5 %, within 8 inch: NO	00:3:10	4375	
	7.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:28	4376	
	55.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:5:10	4377	
	61.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:39	4378	
	69.20	Water Level, 15 %, within 8 inch: NO, Remarks: Flow held by tissue debris	00:06:15	4379	
	100.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:35	4380	
	101.70 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:08:35	4381, b	
	101.70	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:08:58	4383, b	
	117.00 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:03	4385	
	124.50	Tap Factory, at 9 o'clock, 4", within 8 inch: NO	00:10:42	4386	
	126.20	Water Level, 10 %, within 8 inch: NO	00:11:09	4387	
	142.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:02	4388	
	193.60	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:14:03	4389	
	202.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:37	4390	
	203.10	Fracture Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:15:06	4391, b	
	203.10	Fracture Circumferential, from 8 to 9 o'clock, within 8 inch: YES	00:15:29	4393, b	
	256.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:47	4395	
	271.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:44	4396	
	322.00	Fracture Multiple, from 10 to 2 o'clock, within 8 inch: NO	00:21:11	4397, b	
	322.00	Crack Longitudinal, at 9 o'clock, within 8 inch: NO	00:21:38	4399, b	
	337.80	Manhole, within 8 inch: NO, Remarks: 2077-0228	00:23:29	4401	

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



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>722</b>	PSR: <b>119326</b>
Total Pipe Length: <b>331.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>KENGARD AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0387</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0388</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-010</b>	Total length surveyed: <b>330.3 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:806 position	description within 8 inch: NO, Remarks: 2077-0387	TIME	PIPE	grade
5.00	Water Level, 5 %, within 8 inch: NO	00:01:21	2084	
8.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:41	2085	
11.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:07	2086	
44.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:14	2087	
46.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:37	2088	
57.30 S1	Roots Fine Joint, from 12 to 5 o'clock, within 8 inch: YES, Start	00:04:14	2089, b	
57.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:04:46	2091, b	
95.30	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:06:19	2093, b	
95.30	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:06:40	2095, b	
97.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:22	2097	
135.60 F1	Roots Fine Joint, from 12 to 5 o'clock, within 8 inch: YES, End	00:08:22	2098	
149.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:02	2099	
150.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:42	2100, b	
150.80	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:10:18	2102, b	
151.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:16	2104	
203.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:40	2105	
205.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:04	2106	
253.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:25	2107	
256.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:50	2108	
307.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:14	2109	
309.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:38	2110	
326.30 S2	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES, Start	00:17:27	2111, b	
326.30 S3	Crack Multiple, from 4 to 6 o'clock, within 8 inch: YES, Start	00:17:57	2113, b	
328.80 F2	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:18:36	2115	
328.80 F3	Crack Multiple, from 4 to 6 o'clock, within 8 inch: YES, End	00:18:56	2116	

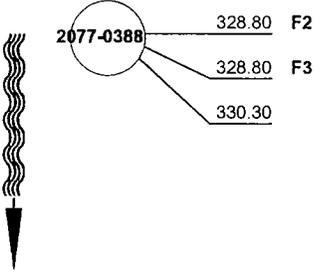


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## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>722</b>	PSR: <b>119326</b>
Total Pipe Length: <b>331.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:806	position	observation	MPEG	photo	grade
	<u>328.80</u> <b>F2</b>	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES, End	00:18:36	2115	
	<u>328.80</u> <b>F3</b>	Crack Multiple, from 4 to 6 o'clock, within 8 inch: YES, End	00:18:56	2116	
	<u>330.30</u>	Manhole, within 8 inch: NO, Remarks: 2077-0388	00:19:28	2117	



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



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>724</b>	PSR: <b>119328</b>
Total Pipe Length: <b>331.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>KENGARD AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0389</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0415</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-010</b>	Total length surveyed: <b>282 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:682	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0389	00:00:47	2154	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:17	2155	
	13.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:46	2156	
	14.90	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:30	2157, b	
	14.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:02:50	2159, b	
	15.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:30	2161	
	26.30	Deposits Attached Encrustation, from 4 to 8 o'clock, 10 %, within 8 inch: NO	00:04:18	2162, b	
	45.30	Deposits Attached Encrustation, from 4 to 6 o'clock, 15 %, within 8 inch: NO	00:05:48	2164, b	
	67.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:19	2166	
	69.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:42	2167	
	120.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:21	2168	
	122.60	Fracture Multiple, from 2 to 8 o'clock, within 8 inch: YES	00:10:40	2169, b	
	123.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:20	2171	
	123.40	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: NO	00:12:23	2172, b	
	141.00	Deposits Attached Encrustation, from 4 to 6 o'clock, 15 %, within 8 inch: NO	00:13:19	2174, b	
	171.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:47	2176	
	172.70	Crack Multiple, from 2 to 8 o'clock, within 8 inch: YES	00:15:36	2177, b	
	172.70	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:16:23	2179, b	
	173.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:01	2181	
	208.70	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:18:08	2182, b	
	211.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:19:00	2184, b	
	224.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:13	2186	
	239.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:55	2187	
	275.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:06	2188	
	279.30	Deposits Attached Encrustation, from 4 to 8 o'clock, 20 %, within 8 inch: NO	00:24:40	2189, b	



## Inspection report

Date: <b>11/19/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>724</b>	PSR: <b>119328</b>
Total Pipe Length: <b>331.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/16/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:682	position	observation	MPEG	photo	grade
	<u>279.30</u>	Deposits Attached Encrustation, from 4 to 8 o'clock, 20 %, within 8 inch: NO	00:24:40	2189, b	
	<u>282.00</u>	Deposits Attached Encrustation, from 4 to 8 o'clock, 20 %, within 8 inch: NO	00:27:09	2191	
	<u>282.00</u>	Abandoned Survey, within 8 inch: NO, Remarks: Camera blocked by calcium	00:27:44	2192	

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



## Inspection report

Date: <b>11/21/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>754</b>	PSR: <b>119264</b>
Total Pipe Length: <b>307.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/20/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ROSE HEDGE DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0445</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0446</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-012</b>	Total length surveyed: <b>336.2 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0445	00:00:52	2617	
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:31	2618	
	23.30	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:34	2619, b	
	23.30	Fracture Circumferential, from 3 to 4 o'clock, within 8 inch: YES	00:03:08	2621, b	
	42.50	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:04:45	2623, b	
	55.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:41	2625	
	55.90	Crack Multiple, from 6 to 8 o'clock, within 8 inch: NO	00:06:13	2626, b	
	111.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:17	2628	
	129.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:39	2629, b	
	145.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:42	2631	
	209.40	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:13:00	2632, b	
	213.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:47	2634	
	250.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:08	2635	
	305.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:00	2636	
	336.20	Manhole, within 8 inch: NO, Remarks: 2077-0446	00:18:21	2637	

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



## Inspection report

Date: <b>12/14/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>944</b>	PSR: <b>16564</b>
Total Pipe Length: <b>309.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/13/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0770</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0788</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>G312-027</b>	Total length surveyed: <b>297 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:620	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0770	00:01:01	5297	
	6.00	Water Level, 15 %, within 8 inch: NO	00:02:36	5298	
	23.90	Material Change, within 8 inch: NO, Remarks: Cast-iron pipe	00:03:54	5299	
	24.10	Surface Corrosion Metal Pipe, from 4 to 8 o'clock, within 8 inch: NO	00:04:17	5300, b	
	31.10	Surface Corrosion Metal Pipe, from 4 to 8 o'clock, within 8 inch: NO	00:05:15	5302, b	
	31.10 <b>S1</b>	Water Level Sag, 20 %, within 8 inch: NO, Start	00:05:47	5304, b	
	32.60	Material Change, within 8 inch: NO, Remarks: VCP	00:06:41	5306	
	65.80 <b>F1</b>	Water Level Sag, 20 %, within 8 inch: NO, End	00:09:38	5307	
	65.80	Water Level, 15 %, within 8 inch: NO	00:09:59	5308	
	76.30	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:10:37	5309	
	76.30	Roots Fine Connection, from 7 to 9 o'clock, within 8 inch: NO	00:10:56	5310, b	
	79.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:32	5312	
	83.10	Water Level, 10 %, within 8 inch: NO	00:11:51	5313	
	95.40 <b>S2</b>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:12:42	5314, b	
	130.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:14:15	5317	
	130.60	Roots Tap Lateral, at 9 o'clock, 15 %, within 8 inch: NO	00:14:42	5318, b	
	133.10	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:15:34	5320	
	188.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:17:30	5321	
	190.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:18:03	5322	
	242.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:19:59	5323	
	242.20	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:20:19	5324, b	
	242.70	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:21:09	5326, b	
	242.70	Roots Medium Joint, from 2 to 10 o'clock, 25 %, within 8 inch: YES	00:21:48	5328, b	
	244.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:22:36	5330	
	244.40	Roots Tap Connection, from 3 to 6 o'clock, 15 %, within 8 inch: NO	00:23:01	5331, b	



## Inspection report

Date: <b>12/14/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>944</b>	PSR: <b>16564</b>
Total Pipe Length: <b>309.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/13/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

1:620	position	observation	MPEG	photo	grade
		<p>295.80 F2      Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End</p> <p>297.00      Manhole, within 8 inch: NO, Remarks: 2024-0788</p>	<p>00:25:28</p> <p>00:26:14</p>	<p>5333</p> <p>5334</p>	

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



## Inspection report

Date: <b>12/27/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>472</b>	PSR: <b>16497</b>
Total Pipe Length: <b>346.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/26/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0839</b>
City: <b>ZLAC</b>	Year Renewed	End MH: <b>2024-0840</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-035</b>	Total length surveyed: <b>365.3 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 10"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:900	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0839	00:00:41	5982	
	7.30	Water Level, 10 %, within 8 inch: NO	00:01:07	5983	
	11.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 4'	00:01:34	5984	
	44.10	Repair Patch, from 9 to 3 o'clock, within 8 inch: NO, Remarks: Old Mh	00:04:03	5985	
	109.00	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:06:20	5986	
	115.50	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:06:50	5987	
	142.00	Water Level, 30 %, within 8 inch: NO	00:08:01	5988	
	145.20 S1	Water Level Sag, 40 %, within 8 inch: NO, Start	00:08:23	5989, b	
	159.40	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:09:25	5991	
	161.70	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:09:51	5992	
	213.50	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:12:26	5993	
	219.50	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:13:29	5994, b	
	219.60 F1	Water Level Sag, 40 %, within 8 inch: NO, End	00:13:56	5996, b	
	220.20	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:14:32	5998	
	222.50	Water Level, 10 %, within 8 inch: NO	00:14:52	5999	
	263.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:29	6000	
	269.90	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:17:00	6001	
	270.50	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:18:24	6002	
	270.70	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:17:24	6003, b	
	317.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:34	6006	
	319.70	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:20:57	6007	
	363.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:52	6008	
	365.30	Manhole, within 8 inch: NO, Remarks: 2024-0840	00:23:19	6009	

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



**WinCan America, Inc.**  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
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## Inspection report

Date: <b>11/12/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>72</b>	PSR: <b>119626</b>
Total Pipe Length: <b>329.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/09/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>DUCHESS DR</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0058</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0059</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-006</b>	Total length surveyed: <b>327.8 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0058	00:00:46	901	
	5.10	Water Level, 10 %, within 8 inch: NO	00:01:33	902	
	8.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:58	903	
	40.70	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:03:01	904	
	85.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:21	905	
	105.00	Fracture Multiple, from 9 to 12 o'clock, within 8 inch: YES	00:06:25	906, b	
	315.10	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES	00:12:38	908, b	
	317.90	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:13:24	910, b	
	327.80	Manhole, within 8 inch: NO, Remarks: 2077-0059	00:14:21	912	

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



## Inspection report

Date: <b>11/16/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>710</b>	PSR: <b>119317</b>
Total Pipe Length: <b>327.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/15/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>LYNALAN AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0379</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0378</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-009</b>	Total length surveyed: <b>315.1 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0379	00:00:48	1913	
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:17	1914	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:36	1915	
	13.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:12	1916	
	58.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:39	1917	
	64.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:29	1918	
	115.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:50	1919	
	118.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:12	1920	
	118.10	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:06:33	1921, b	
	168.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:02	1923	
	170.00	Crack Multiple, from 8 to 11 o'clock, within 8 inch: YES	00:08:48	1924, b	
	170.00	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:09:22	1926, b	
	171.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:03	1928	
	219.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:19	1929	
	225.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:42	1930	
	273.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:51	1931	
	276.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:13	1932	
	306.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:02	1933	
	308.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:25	1934	
	314.60	Broken, from 6 to 8 o'clock, within 8 inch: NO	00:14:59	1935, b	S 4
	315.10	Manhole, within 8 inch: NO, Remarks: 2077-0378	00:15:49	1937	

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



WinCan America, Inc.  
 1730 Montano Road NE, Suite E  
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## Inspection report

Date: <b>12/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>858</b>	PSR: <b>119463</b>
Total Pipe Length: <b>213.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/04/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>VERBECK ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0540</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0260</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-020</b>	Total length surveyed: <b>228 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0540	00:00:54	4044	
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:30	4045	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:51	4046	
	13.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:18	4047	
	53.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:40	4048	
	62.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:28	4049	
	66.90	Fracture Multiple, from 3 to 7 o'clock, within 8 inch: YES	00:05:23	4050, b	
	108.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:13	4052	
	151.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:43	4053	
	215.50	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:11:04	4054, b	
	221.20	Crack Multiple, from 11 to 5 o'clock, within 8 inch: YES	00:11:58	4056, b	
	228.00	Manhole, within 8 inch: NO, Remarks: 2077-0260	00:12:54	4058	

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



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## Inspection report

Date: <b>01/02/2008</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>486</b>	PSR: <b>16806</b>
Total Pipe Length: <b>366.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/28/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>RIVERA RD</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0512</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0511</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-037</b>	Total length surveyed: <b>349.5 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0511	00:00:42	6186	
	6.00	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:01:54	6187, b	
	12.20	Water Level, 30 %, within 8 inch: NO	00:02:37	6189	
	24.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:24	6190	
	44.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:40	6191	
	44.20	Deposits Attached Encrustation, at 9 o'clock, 35 %, within 8 inch: NO, Remarks: In Lateral	00:05:12	6192, b	
	50.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:59	6194	
	96.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:40	6195	
	119.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:39	6196	
	153.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:10:00	6197	
	180.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:19	6198	
	180.80	Deposits Attached Encrustation, at 9 o'clock, 35 %, within 8 inch: NO, Remarks: In Lateral	00:11:52	6199, b	
	222.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:46	6201	
	250.70	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:15:11	6202	
	277.90	Tap Factory Capped, at 10 o'clock, 6", within 8 inch: NO	00:16:25	6203	
	320.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:09	6204	
	320.20	Deposits Attached Encrustation, at 9 o'clock, 25 %, within 8 inch: NO, Remarks: In Lateral	00:18:39	6205, b	
	349.50	Manhole, within 8 inch: NO, Remarks: 2024-0511	00:20:20	6207	

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



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## Inspection report

Date: <b>11/09/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Rigo Alvarez</b>	section number: <b>54</b>	PSR: <b>119537</b>
Total Pipe Length: <b>210.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>GLENGARRY AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0087</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0090</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-005</b>	Total length surveyed: <b>223.1 ft</b>

Purpose: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0087	00:01:08	710	
	8.40	Fracture Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:02:45	711, b	
	12.50	Water Level, 5 %, within 8 inch: NO	00:03:22	713	
	16.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:51	714	
	83.10	Roots Fine Joint, from 7 to 8 o'clock, within 8 inch: YES	00:05:41	715, b	
	223.10	Manhole, within 8 inch: NO, Remarks: 2077-0090	00:09:54	717	

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



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## Inspection report

Date: <b>12/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>856</b>	PSR: <b>16815</b>
Total Pipe Length: <b>252.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>12/04/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>SLAUSON AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2024-0523</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2024-0522</b>
Location Code: <b>Main Highway - Suburban/Rural</b>	Tape/Media #: <b>G312-020</b>	Total length surveyed: <b>250.4 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2024</b>	Lining:
	Category:

Comment:  
 Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2024-0523	00:01:04	4018	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:43	4019	
	76.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:06	4020	
	151.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:06:47	4021	
	203.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:35	4022	
	242.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:03	4023	
	246.80	Fracture Multiple, from 2 to 7 o'clock, within 8 inch: YES	00:10:50	4024, b	
	250.40	Manhole, within 8 inch: NO, Remarks: 2024-0522	00:11:40	4026	

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



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## Inspection report

Date: <b>11/05/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>609</b>	PSR: <b>119744</b>
Total Pipe Length: <b>79.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0073</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-CITY</b>
Location Code: <b>Easement/Right of Way</b>	Tape/Media #: <b>G312-001</b>	Total length surveyed: <b>92.9 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:  
 Location details:

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0073	00:00:48	144	
	4.50	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:01:46	145	
	6.00	Water Level, 10 %, within 8 inch: NO	00:02:08	146	
	18.80	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:02:43	147	
	51.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:04:15	148, b	
	51.80	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:04:40	150, b	
	69.80	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:05:49	152	
	92.90	Manhole, within 8 inch: NO, Remarks: Buried, 2076-CITY	00:07:06	153	

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



## Inspection report

Date: <b>11/06/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>621</b>	PSR: <b>119764</b>
Total Pipe Length: <b>354.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/05/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>PLEASANT WY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2076-0093</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2076-0092</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-002</b>	Total length surveyed: <b>351.5 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2076</b>	Lining:
	Category:

Comment:  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2076-0093	00:00:52	344	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:27	345	
	44.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:30	346	
	78.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:32	347	
	117.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:54	348	
	123.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:26	349	
	142.90	Fracture Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:06:41	350, b	
	245.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:33	352	
	351.50	Manhole, within 8 inch: NO, Remarks: 2076-0092	00:12:31	353	

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



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## Inspection report

Date: <b>11/08/2007</b>	P.O.#: <b>YOTV0708B</b>	Weather: <b>Dry</b>	Surveyed By: <b>Gilbert Contreras</b>	section number: <b>648</b>	PSR: <b>119361</b>
Total Pipe Length: <b>268.00</b>	Survey Customer: <b>LACDPW</b>	System Owner:	Clean Date: <b>11/08/2007</b>	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2077-0290</b>
City: <b>ZLAC</b>	Year Renewed:	End MH: <b>2077-0289</b>
Location Code: <b>Alley</b>	Tape/Media #: <b>G312-004</b>	Total length surveyed: <b>252 ft</b>

Purpose: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Joint length:
Drain. Area: <b>2077</b>	Lining:
	Category:

Comment:  
 Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2077-0290	00:00:53	877	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:18	878	
	7.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:44	879	
	40.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:46	880	
	58.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:30	881	
	101.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:45	882	
	119.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:32	883	
	155.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:39	884	
	198.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:56	885	
	224.50 S1	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES, Start	00:09:32	886, b	
	226.90 F1	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: YES, End	00:10:40	890	
	252.00	Manhole, within 8 inch: NO, Remarks: 2077-0289	00:11:35	891	

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

## ENCLOSURE 5:

### CCTV Sewer Inspection Project Schedule

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**Unincorporated Central Yard****CCTV PROJECT SCHEDULE**

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<b>FISCAL YEAR</b>	<b>YARD</b>	<b>SUP DIST</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)*</b>
2005-2006	C		Y0TV0506A	34,270
2006-2007	C		Y0TV0607C	9,475
2007-2008	C		Y0TV0708B	253,485
2008-2009	C		Y0TV0809B	5,167
2009-2010	C		4_7	213,832
2010-2011	C		1_18	288,236
2010-2011	C		4_15	149,936
2011-2012	C		1_17	304,024
2012-2013	C		1_16	190,537
2012-2013	C		1_5	61,341
2012-2013	C		4_11	16,239
2014-2015	C		4_21	196,921
			<b>TOTAL (FT)</b>	<b>1,723,463</b>
			<b>TOTAL (MILES)</b>	<b>326</b>

\* Approximate length as of July 2005, actual project length may vary.

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**Unincorporated East Yard****CCTV PROJECT SCHEDULE**

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<b>FISCAL YEAR</b>	<b>YARD</b>	<b>SUP DIST</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)*</b>
2005-2006	E		Y0TV0506D	49,010
2005-2006	E		Y0TV0506E	159,262
2007-2008	E		Y0TV0708E	2,354
2007-2008	E		Y0TV0708F	195,437
2008-2009	E		1_8	1,352
2008-2009	E		5_23	300,939
2008-2009	E		Y0TV0809A	213,947
2009-2010	E		1_21	81,262
2009-2010	E		5_22	224,759
2010-2011	E		1_1	265,708
2010-2011	E		4_5	167,551
2010-2011	E		5_25	93,928
2011-2012	E		1_9	108,759
2011-2012	E		5_24	280,289
2011-2012	E		5_27	38,235
2011-2012	E		5_30	33,816
2012-2013	E		1_2	212,358
2012-2013	E		1_5	25,349
2013-2014	E		1_3	303,036
2013-2014	E		1_4	109,207
2013-2014	E		1_6	142,462

\* Approximate length as of July 2005, actual project length may vary.

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## Unincorporated East Yard

## CCTV PROJECT SCHEDULE

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<b>FISCAL YEAR</b>	<b>YARD</b>	<b>SUP DIST</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)*</b>
2013-2014	E		4_6	304,300
2014-2015	E		1_13	269,864
2015-2016	E		1_20	347
2015-2016	E		5_29	42,526

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**TOTAL (FT) 3,626,057**

**TOTAL (MILES) 687**

\* Approximate length as of July 2005, actual project length may vary.

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**Unincorporated North Yard****CCTV PROJECT SCHEDULE**

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<b>FISCAL YEAR</b>	<b>YARD</b>	<b>SUP DIST</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)*</b>
2005-2006	N	5	Y0TV0506F	17,914
2007-2008	N	5	Y0TV0708D	198
2008-2009	N	5	4_18	193
2008-2009	N	5	5_12	39,096
2009-2010	N	5	3_1	13,409
2009-2010	N	5	5_33	36,481
2010-2011	N	5	5_11	7,495
2011-2012	N	5	3_3	104,324
2012-2013	N	5	5_3	105,698
2012-2013	N	5	5_4	88,468
2012-2013	N	5	5_6	77,266
2013-2014	N	5	5_8	778
2014-2015	N	5	3_2	59,232
2014-2015	N	5	5_1	251,504
2014-2015	N	5	5_2	263,133
2014-2015	N	5	5_21	5,333
2014-2015	N	5	5_5	53,230
2015-2016	N	5	5_10	192,614
2015-2016	N	5	5_18	2,899
<b>TOTAL (FT)</b>				<b>1,319,265</b>
<b>TOTAL (MILES)</b>				<b>250</b>

\* Approximate length as of July 2005, actual project length may vary.

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**Unincorporated South Yard****CCTV PROJECT SCHEDULE**

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<b>FISCAL YEAR</b>	<b>YARD</b>	<b>SUP DIST</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)*</b>
2005-2006	S		Y0TV0506B	193,883
2006-2007	S		Y0TV0607A	123,540
2007-2008	S		Y0TV0708G	359,110
2008-2009	S		2_2	99,708
2008-2009	S		4_18	18,866
2009-2010	S		1_14	119,953
2009-2010	S		2_9	300,619
2009-2010	S		4_19	19,991
2010-2011	S		2_6	278,232
2011-2012	S		2_3	92,152
2011-2012	S		4_17	3,779
2012-2013	S		2_7	306,486
2012-2013	S		4_14	106,189
2013-2014	S		2_5	26,580
2014-2015	S		2_4	69,265
			<b>TOTAL (FT)</b>	<b>2,118,353</b>
			<b>TOTAL (MILES)</b>	<b>401</b>

\* Approximate length as of July 2005, actual project length may vary.