



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

September 22, 2010

IN REPLY PLEASE
REFER TO FILE: **SM-1**

Mr. Jerry Burke, City Engineer
City of Glendora
116 East Foothill Boulevard
Glendora, CA 91741

Attention Ms. Ana Diaz

Dear Mr. Burke:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV0809C**

This letter 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 inspection of 301,708 feet or 40.8 percent of the City of Glendora's sewer system.

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

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

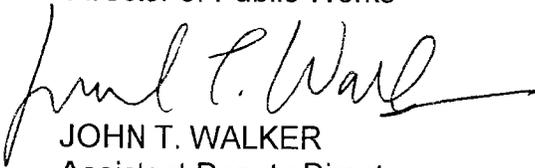
Mr. Jerry Burke
September 22, 2010
Page 2

The Condition Assessment Report provides you with details regarding the maintenance and structural condition of your City's sewer mainlines. This information can be included in your 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. 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.

If you have any questions regarding this report or the Condition Assessment Program, please contact Mr. Robert Swartz at (626) 300-3367, Monday through Friday, 8 a.m. to 4 p.m., or rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works



JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

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Enc.

bc: JW, KL,RS, FV, File (Project Y0TV0809C), SPINDLE

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

PROJECT NAME: Y0TV0809C	PROJECT MGR: Kari Eskridge
PROJECT DATE: 08/10/2009	CONTACT NO: (626) 300-3390
SUP. DISTRICT(s): 5	MAP PAGE(S): 2340-2342, 2384-2385
Report By: Phyo Kyaw	Report Date: 08/11/2010

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 301,708 feet or approximately 40.8 percent of the City of Glendora’s sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0809C included sewer lines located in the Unincorporated County of Los Angeles area and in the Cities of Glendora, Palos Verdes Estates, Rancho Palos Verdes and San Dimas. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

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

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

MAINTENANCE REPORT

Our inspection revealed that approximately 94.7 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 5.3 percent of the inspected pipe segments within the City of Glendora 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 on this list are deficiencies discovered inside lateral connections to the mainline. The District does not maintain lateral lines; it is the responsibility of the property owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. A letter will be sent to the lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

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

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	3,262	1.1	12
2: Good	278,997	92.5	1,196
3: Fair	3,520	1.1	16
4: Poor	14,766	4.9	55
5: Immediate Attention	1,163	0.4	5
TOTAL	301,708	100.0	1,284

High Water Levels

Our inspection revealed that approximately 99.9 percent of the system televised has adequate capacity. However, the remaining 0.1 percent of the inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50% of the diameter of sewer pipe is full of water. However, there are particular conditions in which the water level or water mark has reached 50% or greater due to heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line. Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any. All sewer pipes where Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 50% capacity, have been outlined and analyzed on the High Water Level table in Enclosure 2. The nature of these high water level conditions is also summarized on this table.

Infiltration

Our inspection revealed that approximately 0.1 percent of the system included in this project has infiltration within the pipe segment. Infiltration is the ingress of groundwater into the sewers through a defect or porous area of the pipe wall. All sewer pipes where infiltration has been found are listed on the Infiltration table (Enclosure 2). This table also provides the proposed corrective action for these impacted sewer segments. If a corrective method is proposed, the remediation will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 93.1 percent of the inspected pipe segments within the City of Glendora were free of severe structural defects. However, the remaining 6.9 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 83 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 report for these 83 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	246,230	81.6	1,066
2: Good	15,599	5.2	60
3: Fair	18,967	6.3	75
4: Poor	13,471	4.4	53
5: Immediate Attention	7,441	2.5	30
TOTAL	301,708	100.0	1,284

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the City of Glendora according to the following schedule.

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2005-2006	Y0TV0506D	73,405	9.9	COMPLETED
2007-2008	Y0TV0708F	97,704	13.2	COMPLETED
2008-2009	Y0TV0809C	301,708	40.8	COMPLETED
2010-2011	1_18	167,162	22.6	FUTURE
2011-2012	5_30	99,369	13.5	FUTURE
TOTAL		739,348	100.0	

ENCLOSURE 1:

Project Overview Map

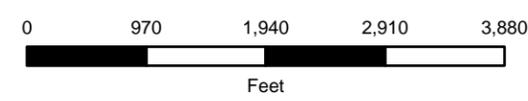
OVERVIEW MAP

GLENDORA

CCTV PROJECT

Y0TV0809C

Cities of
 Palos Verdes Estates,
 Rancho Palos Verdes,
 Glendora, San Dimas &
 County Unincorporated



2297

E-2340

E-2383

E-2384

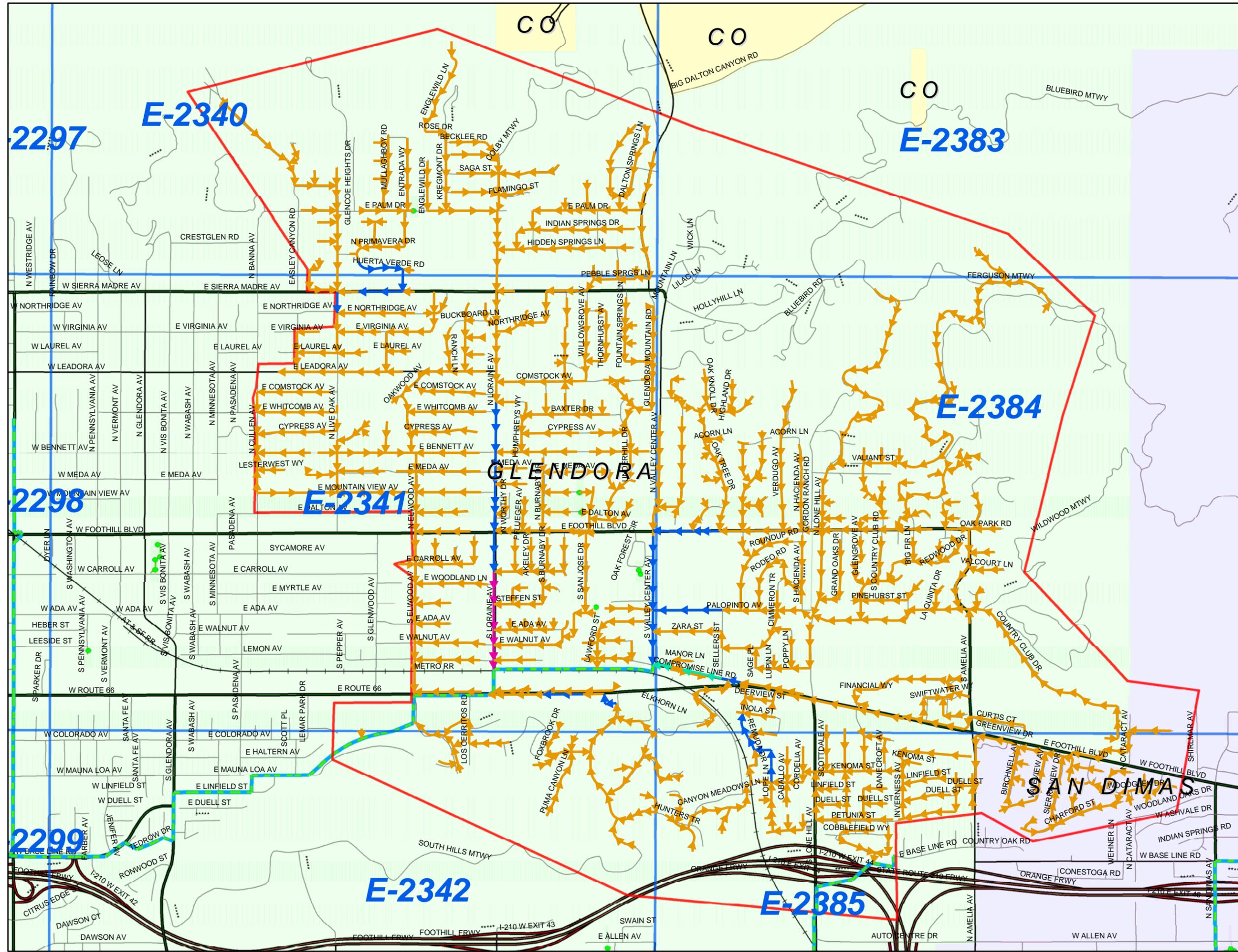
2298

E-2341

2299

E-2342

E-2385



Legend

SMD Sanitary Sewers

- 8
- 10
- 12
- 15

SMD Manholes

Other

Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon

SMD Pump Stations

SMD Treatment Plants

Maintained by Others:

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

- SMD Operations Maps
- Project Area

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JANUARY 2009

Y0TV0809C_OVERVIEW.mdx

ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF GLENDORA (YOTV0809C)
as of 08/10/09

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN (DATE COMPLETED)
1	5133	2342-0492	2342-0486	HUNTERS TR	Deposit attached grease; deposit settled grease; infiltration dripper: 142', 286', 314'; root lateral	Letter to homeowner; hydrojet (12/29/2009)
2	5121	2341-0820	2341-0819	SIERRA MADRE AV	Roots	Rodder (12/28/2009)
3	5121	2341-0345	2341-0346	SANDALWOOD PL	Roots	Rodder (04/20/2010)
4	5121	2385-0220	2385-0219	BRADISH AV	Roots; root lateral	Letter to homeowner; rodder (03/26/2010)
5	5121	2384-0418	2384-0274	SARATOGA LN	External obstacle: 18' from MH 418	Hydrojet (12/29/2009)
6	4A21	2384-0279	2384-0278	COMPROMISE LINE RD	Sag (high water level)	Hydrojet (12/29/2009)
7	4521	2341-0851	2341-0850	LEADORA AV	Roots; root lateral	Letter to homeowner; rodder (04/28/2009)
8	4421	2384-0138	2384-0137	POPPY LN	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
9	433B	2384-0362	2384-0361	EASEMENT by E ROUTE 66 and COMPROMISE LINE RD	Deposits; sag (high water level)	Hydro (12/29/2009)
10	4321	2341-0830	2341-0757	VIRGINIA AV	Roots; root lateral	Letter to homeowner; rodder (12/28/2009)
11	4321	2385-0162	2385-0161	SCOTTDALE AV	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
12	4321	2384-0225	2384-0233	EASEMENT by CANTERBURY and COUNTRY CLUB	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
13	4231	2341-0846	2341-0845	LEADORA AV	Deposits; roots; root lateral	Letter to homeowner; rodder (12/28/2009)
14	422B	2384-0272	2384-0271	FINANCIAL WY	Sag (high water level)	Hydrojet (12/29/2009)
15	4221	2340-0161	2340-0085	BECKLEE RD	Roots	Rodder (12/28/2009)
16	4221	2341-0360	2341-0359	MYRTLE AV	Roots; root lateral	Letter to homeowner; rodder (12/28/2009)
17	4221	2385-0198	2385-0197	EASEMENT (PARKING LOT)	Roots; root lateral	Letter to homeowner; rodder (06/28/2010)
18	4221	2384-0137	2384-0136	POPPY LN	Roots	Rodder (12/18/2009)
19	4221	2341-0039	2341-0040	ALOSTA AV	Sag (high water level); root lateral	Letter to homeowner; hydrojet (12/29/2009)
20	4221	2341-0774	2341-0775	LESTERWEST WY	Roots; root lateral	Letter to homeowner; rodder (12/28/2009)
21	4131	2341-0435	2341-0438	BAXTER DR	Roots	Rodder (12/28/2009)
22	4131	2341-0438	2341-0439	BAXTER DR	Roots	Rodder (12/28/2009)
23	4131	2341-0656	2341-0783	BENNETT AV	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
24	4122	2340-0095	2340-0094	SAGA ST	Sag (high water level)	Rodder (12/29/2009)
25	4122	2384-0221	2384-0222	COUNTRY CLUB RD	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
26	4121	2341-0449	2341-0448	THORNHURST AV	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
27	4121	2341-0500	2341-0477	COMSTOCK AV	Roots	Rodder (12/18/2009)
28	4121	2341-0400	2341-0397	ENCANTO DR	Roots; root lateral	Letter to homeowner; rodder (12/18/2009)
29	4121	2341-0491	2341-0490	MEDA AV	Roots; root lateral	Letter to homeowner; rodder (01/15/2010)
30	4121	2341-0186	2341-0185	SAN JOSE DR	Roots	Rodder (01/15/2010)
31	4121	2341-0840	2341-0845	GLENWOOD AV	Roots; root lateral	Letter to homeowner; rodder (12/17/2009)
32	4121	2341-0176	2341-0175	EASEMENT by STEFFEN and VALLEY CENTER	Roots	Rodder (01/15/2010)

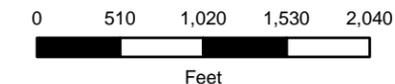
ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0809C)
as of 08/10/09

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN (DATE COMPLETED)
33	4121	2341-0795	2341-0796	LEADORA AV	Roots	Rodder (12/17/2009)
34	4121	2341-0809	2341-0798	LAUREL AV	Roots; root lateral	Letter to homeowner; rodder (12/17/2009)
35	4121	2341-0861	2341-0849	RANCH LN	Roots; root lateral	Letter to homeowner; rodder (12/17/2009)
36	4121	2341-0876	2341-0875	WHITCOMB AV	Roots; root lateral	Letter to homeowner; rodder (12/17/2009)
37	4121	2341-0878	2341-0877	WHITCOMB AV	Roots; root lateral	Letter to homeowner; rodder (12/17/2009)
38	4121	2341-0528	2341-0529	DALTON AV	Roots	Rodder (12/09/2009)
39	4121	2341-0529	2341-0530	DALTON AV	Roots; root lateral	Letter to homeowner; rodder (12/09/2009)
40	4121	2341-0479	2341-0480	LORAINE AV	Roots	Rodder (12/17/2009)
41	4121	2341-0134	2341-0133	WALNUT AV	Roots	Rodder (12/09/2009)
42	4121	2341-0135	2341-0134	WALNUT AV	Roots; root lateral	Letter to homeowner; rodder (12/09/2009)
43	4121	2341-0357	2341-0358	ELWOOD AV	Roots; root lateral	Letter to homeowner; rodder (12/09/2009)
44	4121	2384-0046	2384-0047	OAK TREE DR	Roots	Rodder (12/24/2009)
45	4121	2384-0034	2384-0033	CATHERINE PARK DR	Roots	Rodder (12/24/2009)
46	4121	2384-0090	2384-0089	FOOTHILL BV	Roots	Rodder (12/24/2009)
47	4121	2385-0201	2385-0202	KENOMA ST	Roots; root lateral	Letter to homeowner; rodder (12/24/2009)
48	4121	2385-0181	2385-0164	TRESSY AV	Roots	Rodder (12/24/2009)
49	4121	2385-0183	2385-0182	TRESSY AV	Roots; root lateral	Letter to homeowner; rodder (12/24/2009)
50	4121	2385-0185	2385-0184	PETUNIA ST	Roots; root lateral	Letter to homeowner; rodder (12/24/2009)
51	4121	2341-0022	2341-0023	FOX BROOK DR	Roots; root lateral	Letter to homeowner; rodder (12/09/2009)
52	4121	2341-0023	2342-0472	FOX BROOK DR	Roots; root lateral	Letter to homeowner; rodder (12/09/2009)
53	4121	2384-0259	2384-0258	AMELIA AV	Infiltration runner: 3'; root; root lateral	Letter to homeowner; rodder (04/09/2010)
54	4121	2384-0096	2384-0095	GORDON AV	Roots; root lateral	Letter to homeowner; rodder (12/24/2009)
55	4121	2384-0131	2384-0119	CIMMERON TR	Roots; root lateral	Letter to homeowner; rodder (04/09/2010)
56	4121	2341-0644	2341-0789	WHITCOMB AV	Roots; root lateral	Letter to homeowner; rodder (06/28/2010)
57	4121	2341-0792	2341-0793	COMSTOCK AV	Roots; root lateral	Letter to homeowner; rodder (12/15/2009)
58	4121	2384-0144	2384-0360	ALOSTA AV	Root lateral; sag (high water level)	Letter to homeowner; rodder (04/09/2010)
59	411A	2384-0052	2384-0053	EASEMENT at OAK TREE CT	Roots; root lateral	Letter to homeowner; rodder (12/14/2009)
60	4100	2384-0228	2384-0227	REDWOOD DR	Roots; root lateral	Letter to homeowner; rodder (03/26/2010)

ENCLOSURE 2
CCTV PROJECT
YOTV0809C

City of Glendora

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

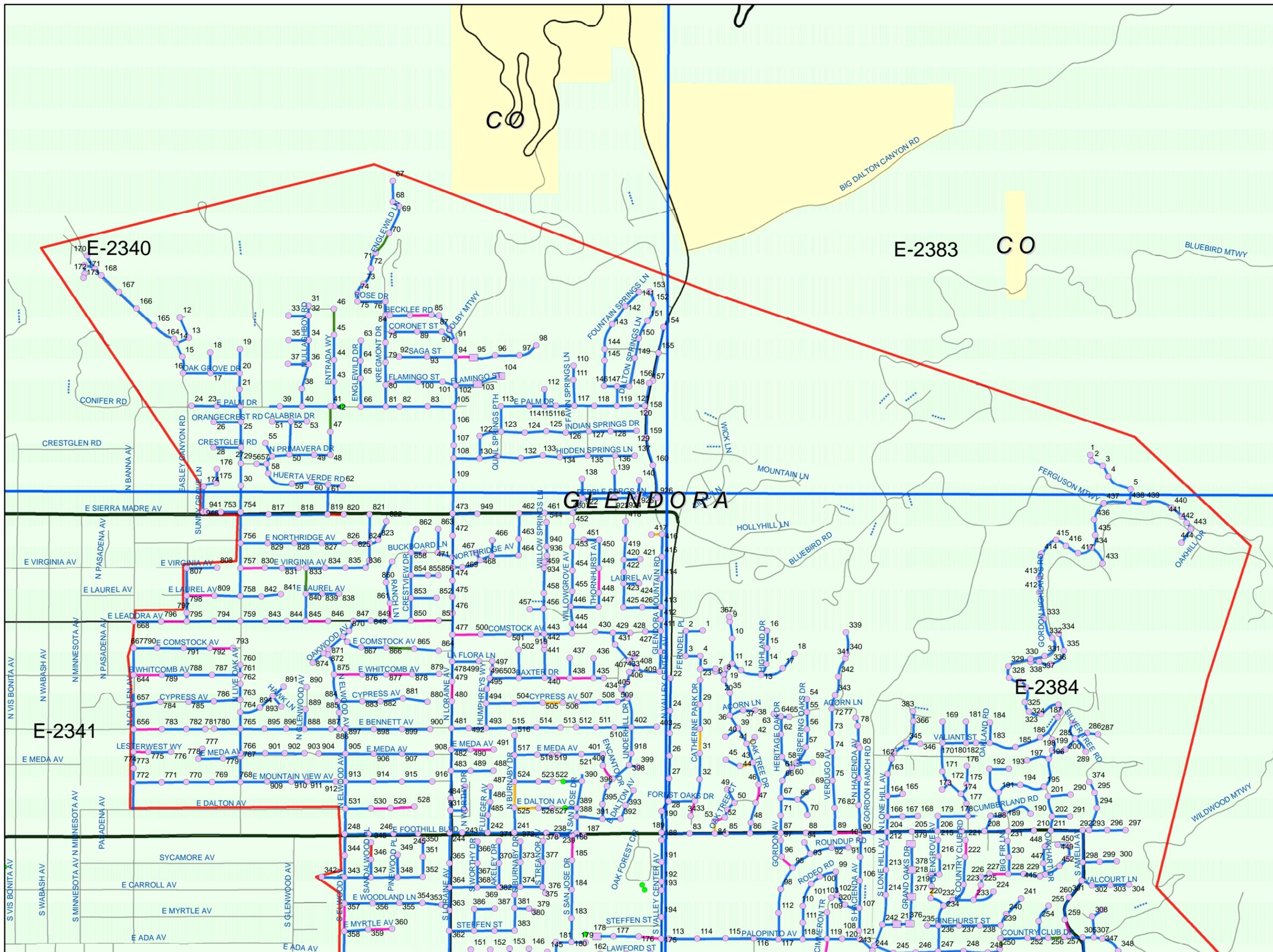
- Other (Circle with cross)
- Standard (Purple circle)
- DROP (Purple triangle)
- Shallow (Purple square)
- Trap (Purple diamond)
- Siphon (Purple circle with cross)
- WTP SMD Treatment Plants (Red box with WTP)

Maintained by Others:

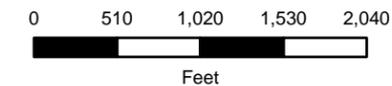
- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- CCTV Project Area (Red outline)

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JULY 2010



ENCLOSURE 2
 CCTV PROJECT
YOTV0809C
 City of Glendora
**QUICK
 MAINTENANCE
 RATING
 (QMR)**



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

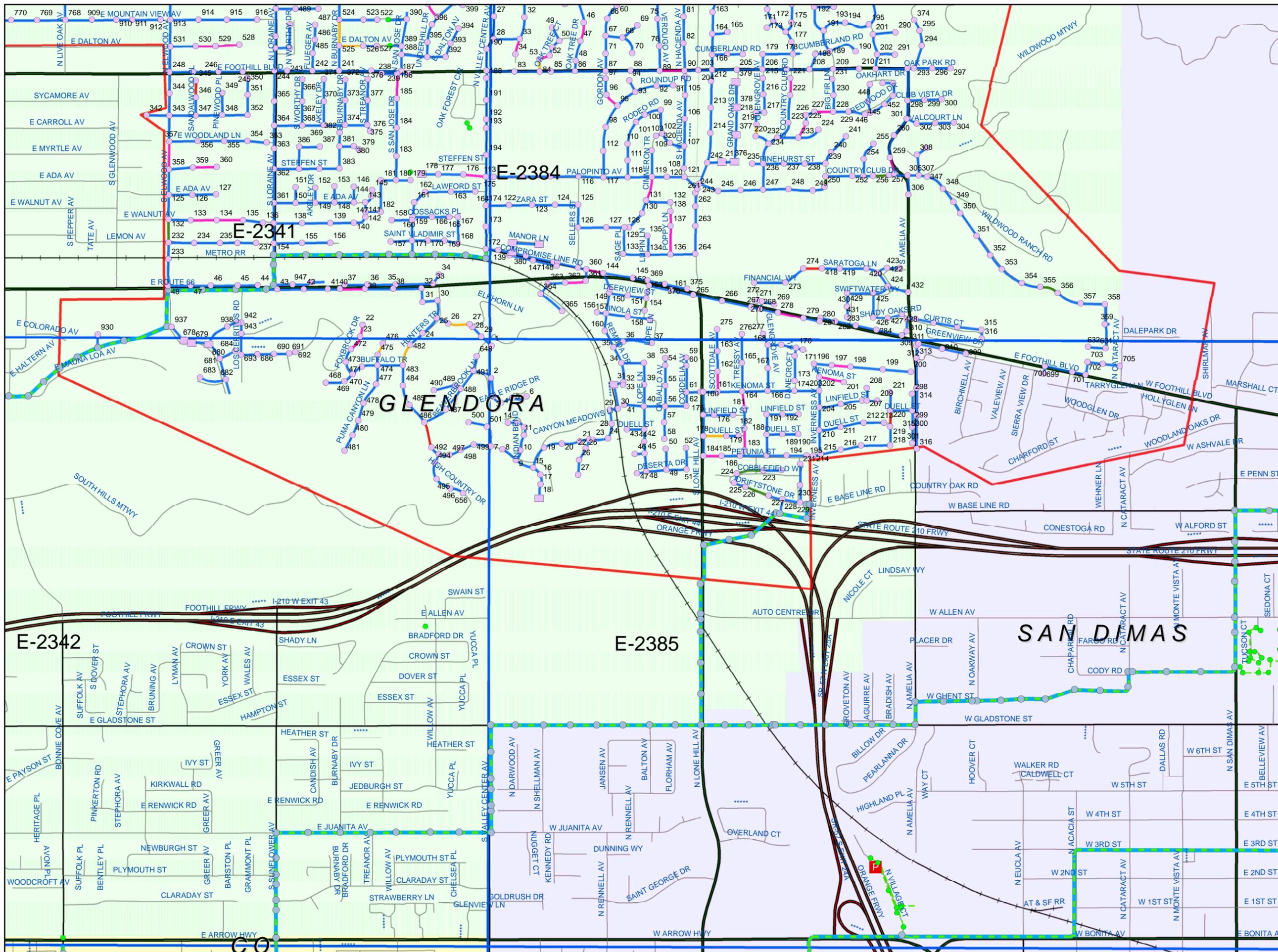
WTP SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
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JULY 2010



GO

ENCLOSURE 2
HIGH WATER LEVELS
CITY OF GLENDORA (Y0TV0809C)
as of 08/10/09

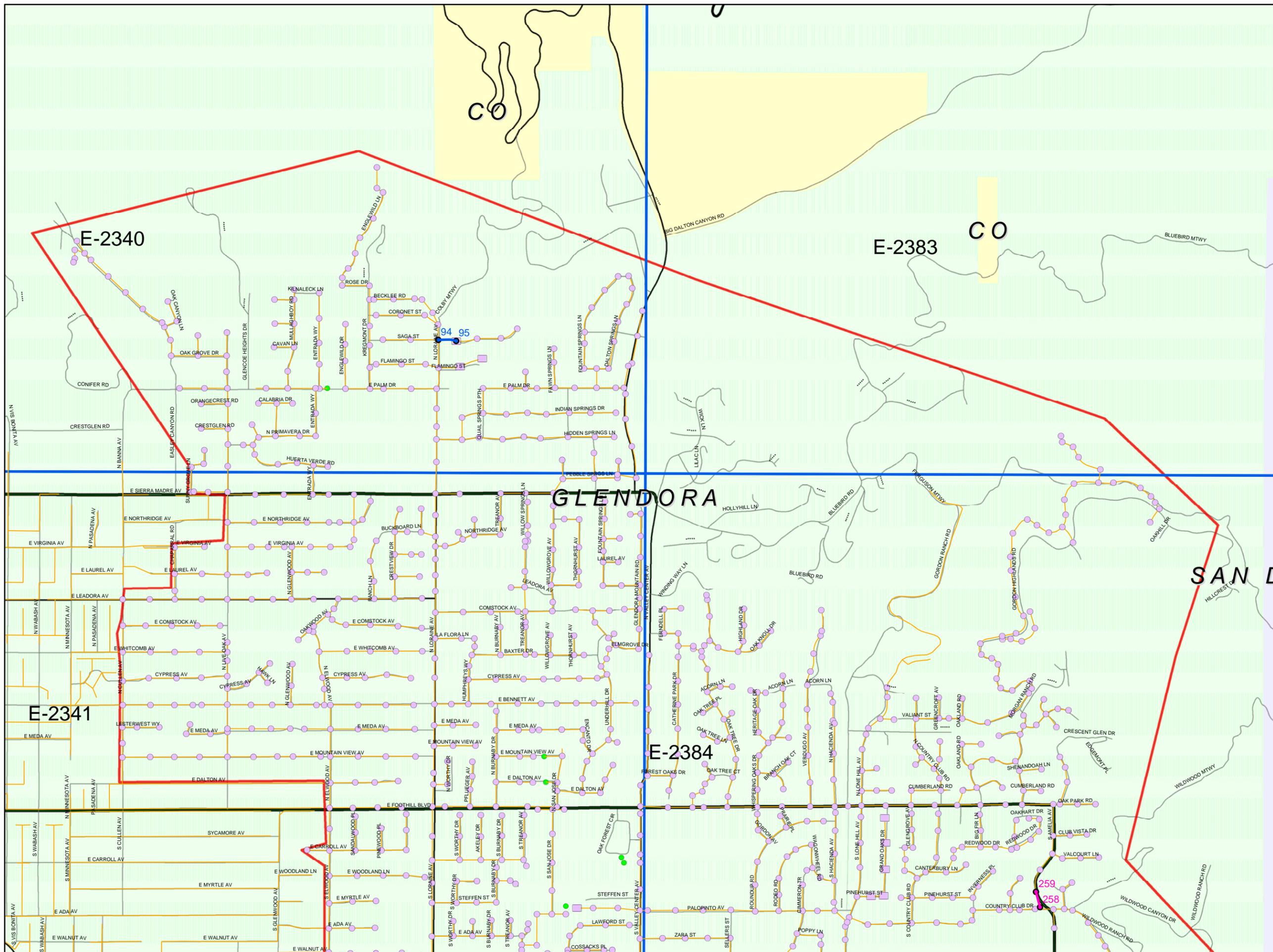
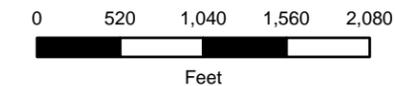
Item No.	QMR	START MH	END MH	STREET	OBSERVATION	SAG (ft)
1	4A21	2384-0279	2384-0278	COMPROMISE LINE RD	Sag (high water level) (30%-80%): 180'-250'	70'
2	433B	2384-0362	2384-0361	EASEMENT by E ROUTE 66 and COMPROMISE LINE RD	Sag (high water level) (30%-80%): 105'-127'	22'
3	422B	2384-0272	2384-0271	FINANCIAL WY	Sag (high water level) (30%-80%): 205'-220'	15'
4	4221	2341-0039	2341-0040	ALOSTA AV	Sag (high water level) (30%-80%): 155'-180', (30%-90%): 304'-330'	51'
5	4122	2340-0095	2340-0094	SAGA ST	Sag (high water level) (30%-80%): 84'-170'	86'
6	4121	2384-0144	2384-0360	ALOSTA AV	Sag (high water level) (40%-80%): 126'-138'	12'

ENCLOSURE 2
INFILTRATION
CITY OF GLENDORA (Y0TV0809C)
as of 08/10/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	Proposed Corrective Method
1	5133	2342-0492	2342-0486	HUNTERS TR	Infiltration dripper: 142', 286', 314'	Infiltration is minimal. No action needed.
2	4121	2384-0259	2384-0258	AMELIA AV	Infiltration runner: 3'	Infiltration is minimal. No action needed.

ENCLOSURE 2
 CCTV PROJECT
YOTV0809C
 City of Glendora

HIGH WATER LEVELS
 AND
 INFILTRATION



Legend

— High Water Levels

— Infiltration

SMD Manholes

⊗ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

● MH: High Water Levels

● MH: Infiltration

WTP SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

--- Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

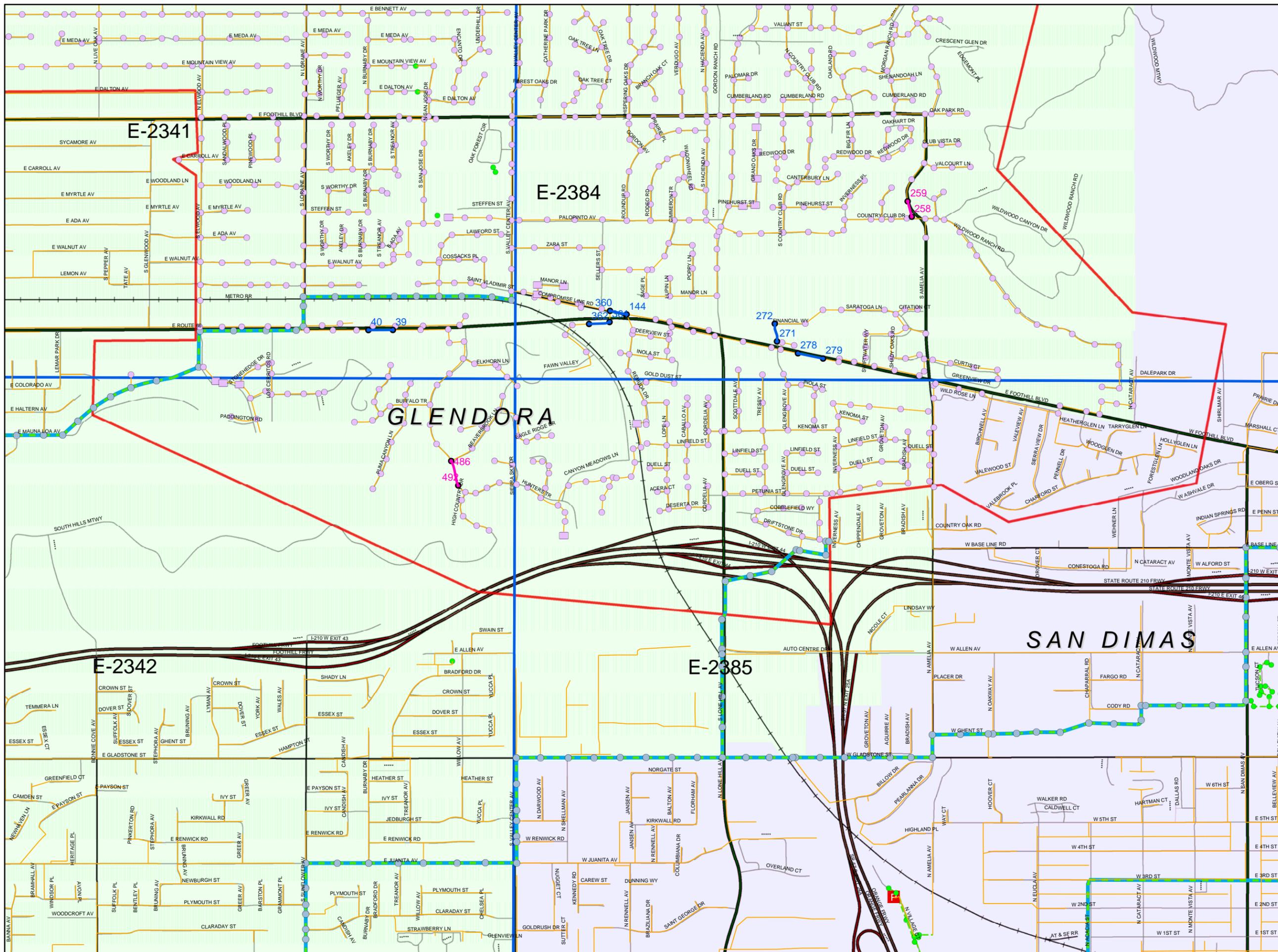
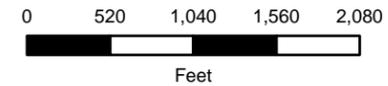
□ CCTV Project Area

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JULY 2010

ENCLOSURE 2
 CCTV PROJECT
Y0TV0809C
 City of Glendora

HIGH WATER LEVELS
 AND
 INFILTRATION



Legend

— High Water Levels

— Infiltration

SMD Manholes

⊗ Other

Manhole Type

● Standard

▲ DROP

◊ Shallow

◇ Trap

⊗ Siphon

● MH: High Water Levels

● MH: Infiltration

WTP SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

— Non SMD Sanitary Sewers

● Non SMD Maintained MH

— SMD Operations Maps

— CCTV Project Area

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JULY 2010



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

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

August 19, 2010

Current Property Owner
3476 Marengo Ave
Altadena, CA 91001

Dear Property Owner:

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

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

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

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

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

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner
August 19, 2010
Page 2

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

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

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

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

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

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

Very truly yours,

GAIL FARBER
Director of Public Works

JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

PK:

Enc.

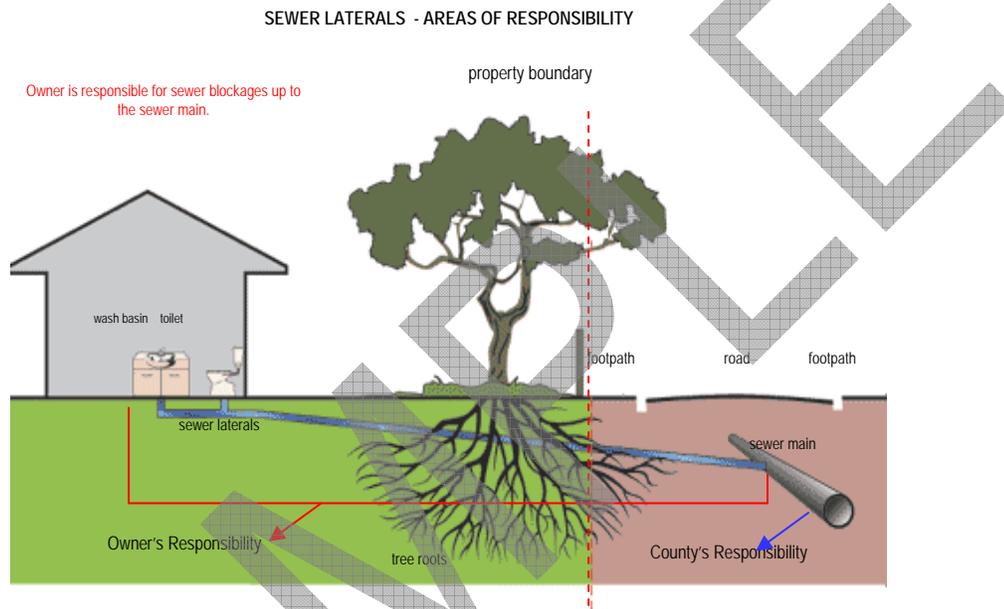
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

3476 MARENGO AVE
ALTADENA
Roots at Lateral Connection



Minimizing Sewer Overflows and Damage to Your Home

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



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

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

The three methods we suggest are:

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

ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0809C)
as of 08 /10/09

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5242	2385-0312	2385-0313	AMELIA AV	Hole: 8'; broken with hole: 19'; obstacle external pipe: 101' from MH 312	Lining: MH to MH	160
2	5242	2384-0117	2384-0116	PALOPINTO AV	Hole: 212'; broken: 281' - 285' (external patch)	Structural integrity in tact. No action needed.	316
3	5200	2341-0349	2341-0348	PINEWOOD PL	Broken with visible soil: 88'	Lining: MH to MH	304
4	5145	2384-0170	2384-0171	COUNTRY CLUB RD	Hole: 331' (lateral connection): fractures: 61', 89', 124', 134'; 279', 285', 290'	Emergency Point Repair (completed August 2010); Lining: MH to MH	391
5	5144	2341-0409	2341-0408	ELMGROVE DR	Hole: 119'; fractures: 176' - 180'	Lining: MH to MH	282
6	5143	2341-0029	2341-0028	Easement between ELKHORN & BEAVERBROOK	Broken: 29', 75'; fractures: 90'; 145'	Lining: MH to MH	166
7	5142	2341-0410	2341-0409	GLENDORA MNT RD	Broken: 309'	Point Repair	
8	5142	2341-0492	2341-0481	BENNET AV	Hole: 37'; fractures: 48'; 68'	Structural integrity in tact. No action needed.	
9	5142	2384-0157	2384-0150	REMUDA DR	Broken: 64'	Point Repair	
10	5141	2384-0414	2384-0413	GORDON HIGHLANDS RD	Broken / deformed: 297'	Point Repair	
11	5141	2341-0875	2341-0884	ELWOOD AV	Fractures: 7', 309'	Structural integrity in tact. No action needed.	
12	5141	2384-0179	2384-0206	Easement by GLENGROVE & FOOTHILL	Hole: 38'; fracture: 58'	Structural integrity in tact. No action needed.	
13	5141	2385-0197	2385-0196	KENOMA ST (EASEMENT)	Broken/ deformed: 164'	Point Repair	
14	5131	2384-0174	2384-0177	COUNTRY CLUB RD	Broken (chimney connection): 37'	Emergency Point Repair (completed August 2010)	
15	5122	2384-0364	2384-0363	ALOSTA AV/ROUTE 66 (EASEMENT)	Broken/deformed/large joint offset: 101'	Point Repair	
16	5121	2340-0111	2340-0117	FAWN SPRINGS LN	Hole: 2'; fracture: 199'	Structural integrity in tact. No action needed.	
17	5121	2340-0085	2340-0086	BECKLEE ROAD (EASEMENT)	Broken: 31'	East Yard to investigate	
18	5121	2384-0145	2384-0144	ALOSTA AV	Hole: 58' (obstacle external)	Structural integrity in tact. No action needed.	
19	5100	2341-0447	2341-0446	LEADORA AV	Broken: 39'	Structural integrity in tact. No action needed.	
20	5100	2340-0087	2340-0091	Easement by N LORAIN & COLBY MTWY	Hole with visible external patch: 33'	Structural integrity in tact. No action needed.	
21	5100	2341-0840	2341-0845	GLENWOOD AV	Broken: 73'	Point Repair	
22	5100	2341-0141	2341-0140	WALNUT AV	Fractures: 10', 107'	Lining: MH to MH	236
23	5100	2341-0862	2341-0858	CRESTVIEW DR	Hole: 106'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0809C)
as of 08 /10/09

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
24	5100	2341-0883	2341-0884	CYPRESS AV	Broken: 327'	Point Repair	
25	5100	2384-0294	2384-0293	CRESCENT GLEN DR	Hole: 277'	Structural integrity in tact. No action needed.	
26	5100	2341-0365	2341-0364	LORAIN AV	Broken: 10' (external patch)	Structural integrity in tact. No action needed.	
27	5100	2384-0006	2384-0008	Easement by OAK TREE DR	Broken: 33' (external patch)	Structural integrity in tact. No action needed.	
28	5100	2384-0015	2384-0014	HIGHLAND DR	Broken: 163'	Point Repair	
29	5100	2384-0018	2384-0017	OAK KNOLL DR	Hole: 109' (joint band visible)	Structural integrity in tact. No action needed.	
30	5100	2384-0125	2384-0124	ZARA ST	Hole: 240'	Point Repair	
31	4423	2340-0157	2340-0121	GLENDORA MTN RD	Fractures: 106', 122', 143'; joint offset: 28'	Lining: MH to MH	365
32	4300	2342-0480	2342-0479	PUMA CANYON LN	Fractures: 52', 63', 189'	Structural integrity in tact. No action needed.	
33	4234	2385-0033	2385-0034	REMUDA DR	Fractures and cracks	Lining: MH to MH	241
34	4233	2385-0060	2385-0061	CORDELIA AV	Fractures	Structural integrity in tact. No action needed.	
35	4232	2385-0041	2385-0040	LINFIELD ST	Fractures: 7', 33', 98', 162'	Structural integrity in tact. No action needed.	
36	4221	2384-0176	2384-0175	GREENCROFT AV	Fractures: 3', 137', 176'	Lining: MH to MH	277
37	4200	2384-0351	2384-0350	COUNTRY CLUB DR	Fractures: 333', 338'	Structural integrity in tact. No action needed.	
38	4200	2384-0260	2384-0259	AMELIA AV	Fractures: 31', 329'	Structural integrity in tact. No action needed.	
39	4134	2385-0042	2385-0040	LOPE LN	Fractures: 242', 253', 280'	Structural integrity in tact. No action needed.	
40	4133	2340-0134	2340-0133	HIDDEN SPRINGS LN	Fractures: 105', 195', 220'	Structural integrity in tact. No action needed.	
41	4133	2341-0240	2341-0241	FOOTHILL BV	Fractures: 203'	Structural integrity in tact. No action needed.	
42	4133	2384-0172	2384-0174	COUNTRY CLUB RD	Fractures	Lining: MH to MH	218
43	4132	2340-0122	2340-0130	Easement by INDIAN SPRINGS & QUAIL SPRINGS	Fractures: 9', 73', 210'; joint offset: 243'	Structural integrity in tact. No action needed.	
44	4132	2341-0437	2341-0438	WILLOWGROVE AV	Fractures: 35', 148', 167'	Structural integrity in tact. No action needed.	
45	4132	2341-0389	2341-0388	SAN JOSE DR	Fracture: 92'	Structural integrity in tact. No action needed.	
46	4131	2341-0467	2341-0468	WORHTY DR	Fractures: 53', 63', 121'	Lining: MH to MH	132
47	4131	2341-0031	2341-0032	Parking lot by ROUTE 66 & HUNTERS	Surface corrosion: fractures: 86'	Lining: MH to MH	170
48	4123	2341-0503	2341-0496	BAXTER DR	Fractures: 63', 260', 296'	Lining: MH to MH	355

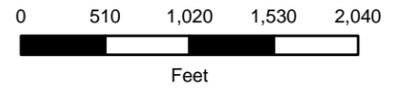
ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0809C)
as of 08 /10/09

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
49	4122	2341-0507	2341-0508	CYPRESS AV	Fractures: 40', 241', 255'	Structural integrity in tact. No action needed.	
50	4121	2340-0077	2340-0078	KREGMONT DR	Fractures: 338'	Lining: MH to MH	343
51	4121	2384-0412	2384-0333	GORDON HIGHLANDS RD	Fractures: 138', 158', 162'	Lining: MH to MH	330
52	4121	2384-0272	2384-0271	FINANCIAL WY	Fracture: 224'; joint offset: 212'	Structural integrity in tact. No action needed.	
53	4121	2341-0657	2341-0784	CYPRESS AV	Fractures: 269'	Structural integrity in tact. No action needed.	
54	4111	2384-0292	2384-0298	AMELIA AV	Fractures: 369'	Structural integrity in tact. No action needed.	
55	4111	2384-0298	2384-0301	AMELIA AV	Broken with visible void: 178'	Point Repair	
56	4111	2384-0425	2384-0424	SWIFTWATER WY	Fractures / joint offset: 191'	Structural integrity in tact. No action needed.	
57	4100	2340-0121	2340-0120	EAST PALM DR	Fractures: 56'	Structural integrity in tact. No action needed.	
58	4100	2340-0140	2341-0925	PEBBLE SPRINGS LN	Broken / deformed: 123'	Lining: MH to MH	200
59	4100	2341-0468	2341-0469	NORTHRIDGE AV	Fractures: 148'	Structural integrity in tact. No action needed.	
60	4100	2341-0407	2341-0406	Easement between ELMGROVE & UNDERHILL	Fractures: 16'	Structural integrity in tact. No action needed.	
61	4100	2341-0511	2341-0510	BENNET AV	Fractures: 176'	Structural integrity in tact. No action needed.	
62	4100	2340-0107	2340-0108	LORAIN AV	Fractures: 176'	Structural integrity in tact. No action needed.	
63	4100	2341-0836	2341-0835	VIRGINIA AV	Fractures: 176'	Structural integrity in tact. No action needed.	
64	4100	2341-0171	2341-TRNK	Easement by LAWFOR & SAINT VLADIMIR	Hole with visible gasket: 10'	Structural integrity in tact. No action needed.	
65	4100	2341-0140	2341-0139	WALNUT AV	Fractures: 62'	Structural integrity in tact. No action needed.	
66	4100	2384-0171	2384-0172	COUNTRY CLUB RD	Fractures: 48'	Structural integrity in tact. No action needed.	
67	4100	2384-0173	2384-0172	PALOMAR DR	Fractures: 43'	Structural integrity in tact. No action needed.	
68	4100	2341-0858	2341-0854	CRESTVIEW DR	Fractures: 239'	Structural integrity in tact. No action needed.	
69	4100	2341-0898	2341-0897	BENNETT AV	Fractures: 102'	Structural integrity in tact. No action needed.	
70	4100	2341-0480	2341-0481	LORAIN AV	Fractures: 266'	Structural integrity in tact. No action needed.	
71	4100	2341-0343	2341-0357	ELWOOD AV	Fractures: 200'	Point Repair	
72	4100	2384-0059	2384-0058	LEANING OAK CT	Fractures: 221'	Structural integrity in tact. No action needed.	
73	4100	2384-0070	2384-0068	BRANCH OAK DR	Fractures: 89'	Point Repair	
74	4100	2385-0215	2385-0210	INVERNESS AV	Fractures: 295'	Structural integrity in tact. No action needed.	
75	4100	2385-0054	2385-0055	CABALLO AV	Fractures: 214'; surface corrosion: 220' - 226'	Structural integrity in tact. No action needed.	
76	4100	2342-0478	2342-0477	PUMA CANYON LN	Hole: 128' (external patch)	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0809C)
as of 08 /10/09

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
77	4100	2385-0001	2341-0029	BEAVERBROOK LN	Fractures: 124'	Structural integrity in tact. No action needed.	
78	4100	2342-0484	2342-0483	HUNTERS TR	Broken: 139'	Structural integrity in tact. No action needed.	
79	4100	2384-0306	2384-0305	AMELIA AV	Fractures: 41'	Structural integrity in tact. No action needed.	
80	4100	2384-0429	2384-0425	SWIFTWATER WY	Fractures: 307'	Structural integrity in tact. No action needed.	
81	4100	2384-0132	2384-0131	POPPY LN	Fractures: 167'	Structural integrity in tact. No action needed.	
82	4100	2384-0133	2384-0128	SAGE PL	Fractures: 332'	Structural integrity in tact. No action needed.	
83	4100	2384-0122	2341-0174	ZARA ST	Fractures: 248'	Structural integrity in tact. No action needed.	

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

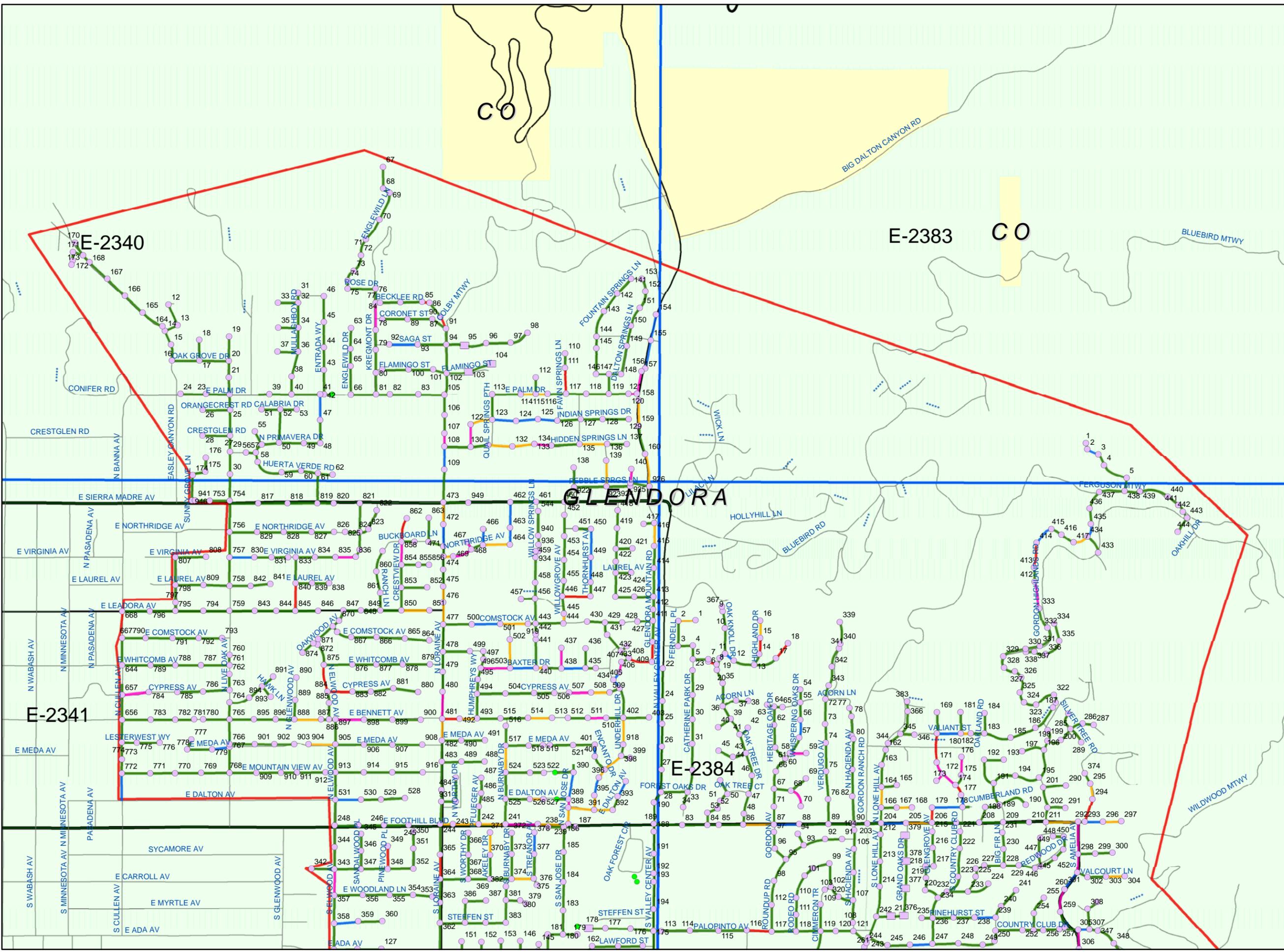
- Other (Circle with cross)
- Standard (Purple circle)
- DROP (Purple triangle)
- Shallow (Purple square)
- Trap (Purple diamond)
- Siphon (Purple circle with cross)

WTP SMD Treatment Plants

Maintained by Others:

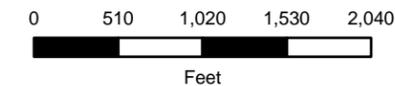
- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- CCTV Project Area (Red outline)

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ENCLOSURE 3
 CCTV PROJECT
Y0TV0809C
 City of Glendora

QUICK
 STRUCTURAL
 RATING
 (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

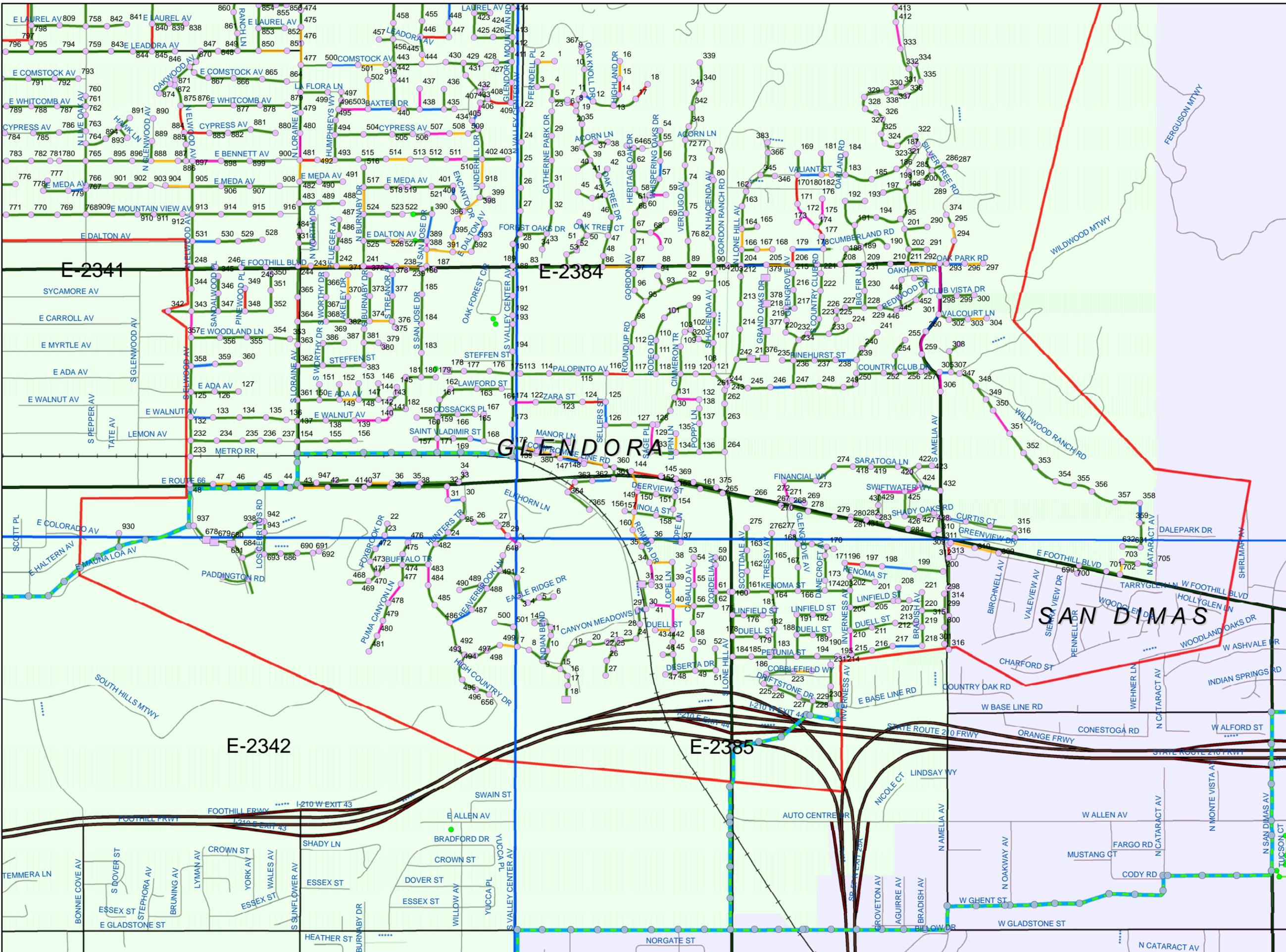
WTP SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
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JULY 2010



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20090515	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2881	PSR: 89870
Total Pipe Length: 160	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05/15/2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: AMELIA AV	Flow Control: N Not Controlled	Start MH: 2385-0312
City: GLR	Year Renewed:	End MH: 2385-0313
Location Code: C Light Highway	Tape/Media #:	pipe length: 101.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 160
Drain. Area: 0312 2385-0313 2385	Lining Method:
	Category:

Remark: **BROKEN JOINT, HOLES IN PIPE.**

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0312	00:00:30	1	
	0.00	Water Level, 15 % of cross sectional area	00:00:40		M 2
	0.00	Water Mark, 15 % of cross sectional area	00:00:43		M 2
	8.10	Material Change, VCP	00:02:05	2	
	8.10	Fracture Multiple, from 10 to 12 o'clock, within 8 inch: YES	00:02:30	3, b	S 4
	8.70	Hole, at 11 o'clock, within 8 inch: YES, Remark: BAG INSIDE	00:02:59	5, b	S 5
	9.10	Crack Longitudinal, at 01 o'clock, within 8 inch: YES	00:03:56	7, b	S 2
	19.00	Broken, from 07 to 09 o'clock, within 8 inch: YES	00:04:36	9, b	S 4
	28.50	Water Level, 25 % of cross sectional area	00:05:12		M 2
	50.40	Water Level, 15 % of cross sectional area	00:06:04		M 2
	71.00	Water Level, 25 % of cross sectional area	00:06:45		M 2
	85.70	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:21	11	
	101.60	Hole, at 11 o'clock, within 8 inch: YES	00:08:14	12, b	S 5
	101.60	Obstacles External Pipe or Cable, 10 % of cross sectional area, from 07 to 11 o'clock	00:08:29	14, b	M 2
	101.60	Survey Abandoned, Remark: CAMERA BLOCKED	00:09:28	16	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5242	2600	20	12	32	4	2	2.91



Inspection report

Date: 20090527	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3155	PSR: 90464
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: PALOPINTO AV	Flow Control: N Not Controlled	Start MH: 2384-0117
City: GLR	Year Renewed:	End MH: 2384-0116
Location Code: C Light Highway	Tape/Media #:	pipe length: 316.22 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 308
Drain. Area: 0116 2384-0117 2384	Lining Method:
	Category:

Remark:: **HOLE IN PIPE**

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0117		81	
	0.00	Water Level, 15 % of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
	110.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:17	82	
	212.72	Hole, from 11 to 01 o'clock, within 8 inch: YES	00:07:58	83, b	S 4
	281.75	Fracture Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:10:41	85, b	S 4
	282.76	Hole Void Visible, from 07 to 11 o'clock, within 8 inch: YES	00:11:08	87, b	S 5
	285.76	Hole Void Visible, from 08 to 11 o'clock, within 8 inch: YES	00:11:24	89, b	S 5
	316.22	Downstream Manhole, Survey Ends 2384-0116	00:12:33	91	

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



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2020	PSR: 95107
Total Pipe Length: 277	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: PINEWOOD PL	Flow Control: N Not Controlled	Start MH: 2341-0349
City: GLR	Year Renewed:	End MH: 2341-0348
Location Code: C Light Highway	Tape/Media #:	pipe length: 304.19 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 277
Drain. Area: 0348 2341-0349 2341	Lining Method:
	Category:

Remark:: **Roots - BROKEN PIPE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0349		50	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	13.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:08	51	
	19.28	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark:	00:01:27	52	
	25.60	Roots Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark:	00:01:46	53	
	26.81	Roots			
	26.81	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:01:55	54, b	
	65.76	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark:	00:03:07	56	
	66.36	Roots			
	66.36	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES, start	00:03:17	57, b	
	78.51	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark:	00:03:47	59	
	78.51	Roots			
	88.95	Hole Soil Visible, from 10 to 02 o'clock, within 8 inch: YES	00:04:12	60, b	S 5
	89.45	Broken, from 06 to 12 o'clock, within 8 inch: YES	00:04:30	62, b	S 5
	156.82	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:29	64	
	169.57	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES, end	00:06:55		
	188.04	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:07:22	65, b	
	193.76	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:39	67	
	197.57	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, start	00:07:51	68, b	
	217.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:30	70	
	254.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark:	00:09:42	71	
	254.00	Roots			
	285.52	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, end	00:10:39		
	304.19	Downstream Manhole, Survey Ends 2341-0348	00:11:13	72	

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



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1825	PSR: 90403
Total Pipe Length: 351	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: COUNTRY CLUB RD	Flow Control: N Not Controlled	Start MH: 2384-0170
City: GLR	Year Renewed:	End MH: 2384-0171
Location Code: C Light Highway	Tape/Media #:	pipe length: 391.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 351
Drain. Area: 0170 2384-0171 2384	Lining Method:
	Category:

Remark:: **CRACKS FRACTURES**

1:975	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0170		56	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	61.70	Crack Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:04:53	57, b	S 3
	73.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:16	59	
	76.55	Roots Fine Joint, from 09 to 10 o'clock, within 8 inch: YES	00:06:09	60, b	
	89.15	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:03:14	98, b	S 4
	124.15	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:29	100, b	S 4
	134.15	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:05:12	102, b	S 4
	161.25	Crack Circumferential, from 12 to 06 o'clock, within 8 inch: YES	00:06:37	104, b	S 1
	165.90 S1	Crack Multiple, from 02 to 11 o'clock, within 8 inch: YES, start	00:06:50	106, b	S 3
	228.15	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:09:43	108	
	279.45	Fracture Multiple, from 07 to 03 o'clock, within 8 inch: YES	00:12:07	109, b	S 4
	285.50	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:13:14	111, b	S 4
	290.25	Fracture Circumferential, from 01 to 06 o'clock, within 8 inch: YES	00:13:30	113, b	S 2
	334.25	Broken Soil Visible, from 08 to 04 o'clock, within 8 inch: YES	00:14:49	115	S 5
	334.40	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:14:58	116	
	391.40	Downstream Manhole, Survey Ends 2384-0171	00:18:13	117	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5145	2200	34	4	38	3.4	2	3.17



Inspection report

Date: 20090324	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1048	PSR: 95050
Total Pipe Length: 298	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 24 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: ELMGROVE DR	Flow Control: N Not Controlled	Start MH: 2341-0409
City: GLR	Year Renewed:	End MH: 2341-0408
Location Code: C Light Highway	Tape/Media #:	pipe length: 281.69 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 298
Drain. Area: 0408 2341-0409 2341	Lining Method:
	Category:

Remark:: **NONE**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0409		96	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	39.23	Roots Fine Joint, from 10 to 12 o'clock, within 8 inch: YES	00:02:03	97, b	
	81.59	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:43	99	
	118.65	Hole Soil Visible, from 12 to 01 o'clock, within 8 inch: YES	00:05:28	100, b	S 5
	118.65	Fracture Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:05:33	102, b	S 4
	157.12	Roots Fine Joint, from 08 to 03 o'clock, within 8 inch: YES	00:07:20	104, b	
	174.38	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:14	106	
	176.24	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: NO	00:08:27	107, b	S 4
	178.82	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:08:50	109, b	S 4
	184.76	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:14	111	
	239.19	Fracture Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:12:12	112, b	S 4
	281.69	Downstream Manhole, Survey Ends 2341-0408	00:16:34	114	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5144	2200	21	4	25	4.2	2	3.57



Inspection report

Date: 20090506	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2762	PSR: 95505
Total Pipe Length: 160	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.06 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: 0	Flow Control: N Not Controlled	Start MH: 2341-0029
City: GLR	Year Renewed:	End MH: 2341-0028
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 165.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 160
Drain. Area: 0028 2341-0029 2341	Lining Method:
	Category:

Remark:: **BROKEN JOINTS.**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0029	00:00:00	707	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	2.40	Roots Medium Joint, from 01 to 11 o'clock, 15 %, within 8 inch: YES	00:02:31	708, b	
	7.30	Roots Fine Joint, from 07 to 11 o'clock, within 8 inch: YES	00:03:09	710, b	
	12.30	Roots Fine Connection, from 08 to 12 o'clock, within 8 inch: YES	00:03:43	712, b	M 1
	13.40	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:03:59	714	
	19.90	Roots Fine Joint, at 01 o'clock, within 8 inch: YES	00:04:29	715, b	
	25.00	Roots Fine Joint, from 01 to 09 o'clock, within 8 inch: YES	00:05:00	717, b	
	29.80	Broken, from 05 to 08 o'clock, within 8 inch: YES	00:05:28	719, b	S 4
	39.90	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:06:20	721, b	
	75.10	Broken, from 04 to 07 o'clock, within 8 inch: YES	00:08:07	723, b	S 4
	75.10	Joint Offset Medium	00:08:31	725, b	S 1
	75.10	Roots Fine Joint, from 10 to 02 o'clock, within 8 inch: YES	00:09:00	727, b	
	80.00	Roots Fine Joint, from 11 to 03 o'clock, within 8 inch: YES	00:09:44	729, b	
	90.10	Broken, from 08 to 09 o'clock, within 8 inch: YES	00:10:29	731, b	S 4
	90.10	Broken, at 03 o'clock, within 8 inch: YES	00:10:47	733, b	S 5
	120.40	Roots Fine Joint, from 10 to 03 o'clock, within 8 inch: YES	00:12:07	735, b	
	145.50	Fracture Circumferential, from 05 to 07 o'clock, within 8 inch: YES	00:13:26	737, b	S 2
	164.80	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:14:34	739, b	S 1
	165.40	Downstream Manhole, Survey Ends 2341-0028	00:15:35	741	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5143	2211	21	5	26	3	1.67	2.6



Inspection report

Date: 20090324	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1049	PSR: 95052
Total Pipe Length: 246	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 24 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: GLENDORA MNT RD	Flow Control: N Not Controlled	Start MH: 2341-0410
City: GLR	Year Renewed:	End MH: 2341-0409
Location Code: C Light Highway	Tape/Media #:	pipe length: 319.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 246
Drain. Area: 0409 2341-0410 2341	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0410		71	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	27.45	Fracture Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:01:35	72, b	S 4
	40.44	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:18	74	
	129.22	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:09	75	
	225.82	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:08:01	76, b	
	230.86	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:08:27	78, b	
	233.09	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:46	80	
	234.46	Roots Medium Joint, from 02 to 05 o'clock, 15 %, within 8 inch: YES	00:08:57	81, b	
	249.11	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:09:47	83, b	
	284.30	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:11:01	85, b	
	298.95	Roots Fine Joint, from 11 to 04 o'clock, within 8 inch: YES	00:11:50	87, b	
	306.91	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:12:21	89, b	S 4
	309.37	Broken, from 10 to 02 o'clock, within 8 inch: YES	00:12:54	91, b	S 5
	314.48	Roots Fine Joint, from 10 to 04 o'clock, within 8 inch: YES	00:13:25	93, b	
	319.80	Downstream Manhole, Survey Ends 2341-0409	00:14:06	95	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	2200	13	4	17	4.33	2	3.4



Inspection report

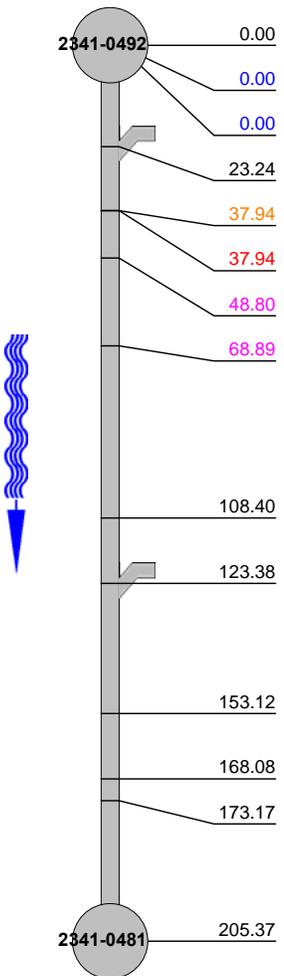
Date: 20090326	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1168	PSR: 95009
Total Pipe Length: 214	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 26 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: BENNET AV	Flow Control: N Not Controlled	Start MH: 2341-0492
City: GLR	Year Renewed:	End MH: 2341-0481
Location Code: C Light Highway	Tape/Media #:	pipe length: 205.37 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 214
Drain. Area: 0481 2341-0492 2341	Lining Method:
	Category:

Remark:: **NONE**

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0492		137	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	23.24	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:10	138	
	37.94	Crack Multiple, from 01 to 07 o'clock, within 8 inch: YES	00:01:58	139, b	S 3
	37.94	Hole Void Visible, from 01 to 02 o'clock, within 8 inch: YES	00:02:00	141, b	S 5
	48.80	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:02:49	143, b	S 4
	68.89	Fracture Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:03:56	145, b	S 4
	108.40	Roots Fine Joint, from 10 to 11 o'clock, within 8 inch: YES	00:05:23	147, b	
	123.38	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:02	149	
	153.12	Roots Fine Joint, from 10 to 02 o'clock, within 8 inch: YES	00:07:16	150, b	
	168.08	Roots Fine Joint, from 02 to 03 o'clock, within 8 inch: YES	00:07:53	152, b	
	173.17	Roots Fine Joint, from 02 to 03 o'clock, within 8 inch: YES	00:08:14	154, b	
	205.37	Downstream Manhole, Survey Ends 2341-0481	00:09:48	156	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	2200	16	4	20	4	2	3.33



Inspection report

Date: 20090513	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2752	PSR: 90503
Total Pipe Length: 256	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.13.2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: REMUDA DR	Flow Control: N Not Controlled	Start MH: 2384-0157
City: GLR	Year Renewed:	End MH: 2384-0150
Location Code: C Light Highway	Tape/Media #:	pipe length: 258.01 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 256
Drain. Area: 0150 2384-0157 2384	Lining Method:
	Category:

Remark:: **NONE**

1:650	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0157		32	
	0.00	Water Level, 15 % of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
2384-0157	8.22	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:01:15	33, b	S 3
	18.04	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:01:50	35, b	S 2
	31.86	Fracture Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:02:30	37, b	S 4
	57.11	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:03:34	39	
	63.83	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:54	40, b	S 4
	64.83	Broken Soil Visible, from 09 to 03 o'clock, within 8 inch: YES	00:04:17	42, b	S 5
	66.23	Tap Break-In Active, at 11 o'clock, 4", within 8 inch: YES	00:04:55	44	
	82.46	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:29	45, b	S 2
	85.77	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:05:50	47, b	S 3
	87.27	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:05	49	
	108.91	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:03	50, b	S 3
	116.93	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:33	52	
	117.43	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:07:41	53, b	S 3
	135.27	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:08:27	55, b	S 2
	148.49 S1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, start	00:08:59	57, b	S 3
	167.83	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:09:53	59	
	173.94	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:10	60	
	180.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:44	61	
	216.93	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:53	62	
	246.48	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:51	63	
2384-0150	258.01 F1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, end	00:13:23		S 3
	258.01	Downstream Manhole, Survey Ends 2384-0150	00:13:26	64	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	2200	97	4	101	3.03	2	2.97



Inspection report

Date: 20090413	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1688	PSR: 90157
Total Pipe Length: 307	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:13 2009	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 2384

Street: GORDON HIGHLANDS RD	Flow Control: N Not Controlled	Start MH: 2384-0414
City: GLR	Year Renewed:	End MH: 2384-0413
Location Code: C Light Highway	Tape/Media #:	pipe length: 304.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 307
Drain. Area: 0413 2384-0414 2384	Lining Method:
	Category:

Remark:: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0414		13	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	21.10	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:01:48	18, b	S 4
	88.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:30	20	
	147.80	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:06:43	21, b	S 3
	297.00	Broken Soil Visible, from 10 to 02 o'clock, within 8 inch: YES	00:13:06	23, b	S 5
	304.10	Downstream Manhole, Survey Ends 2384-0413	00:13:51	25	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	12	4	16	4	2	3.2



Inspection report

Date: 20090413	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1908	PSR: 94549
Total Pipe Length: 340	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04/13/2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: ELWOOD AV	Flow Control: N Not Controlled	Start MH: 2341-0875
City: GLR	Year Renewed:	End MH: 2341-0884
Location Code: C Light Highway	Tape/Media #:	pipe length: 336.02 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 340
Drain. Area: 0875 2341-0884 2341	Lining Method:
	Category:

Remark:: **BROKEN PIPE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0875		109	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	6.53	Broken, from 05 to 12 o'clock, within 8 inch: YES	00:01:01	110, b	S 5
	22.39	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:45	112	
	90.66	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:45	113	
	141.45	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:23	114	
	184.32	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:35	115	
	227.39	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:49	116	
	309.71	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:09	117, b	S 4
	310.62	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:10:34	119	
	336.02	Downstream Manhole, Survey Ends 2341-0884	00:11:36	120	

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



Inspection report

Date: 20090505	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2575	PSR: 90414
Total Pipe Length: 187	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.05 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: 0	Flow Control: N Not Controlled	Start MH: 2384-0179
City: GLR	Year Renewed	End MH: 2384-0206
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 168.81 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 187
Drain. Area: 0179 2384-0206 2384	Lining Method:
	Category:

Remark:: **None**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0179		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	7.13	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:45	2	
	38.64	Hole Void Visible, from 12 to 02 o'clock, within 8 inch: YES	00:02:14	3, b	S 5
	38.64	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:02:30	5, b	S 4
	40.24	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:02:49	7	
	57.31	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:03:29	8, b	
	58.11	Fracture Spiral, from 12 to 03 o'clock, within 8 inch: YES	00:05:06	10, b	S 3
	62.32	Crack Spiral, from 07 to 09 o'clock, within 8 inch: YES	00:03:33	12, b	S 2
	97.35	Roots Fine Joint, from 10 to 03 o'clock, within 8 inch: YES	00:05:24	14, b	
	101.97	Roots Fine Joint, from 01 to 08 o'clock, within 8 inch: YES	00:05:44	16, b	
	107.59	Roots Fine Joint, from 10 to 04 o'clock, within 8 inch: YES	00:06:07	18, b	
	112.50	Crack Spiral, from 02 to 04 o'clock, within 8 inch: YES	00:06:35	22, b	S 2
	112.50	Roots Fine Joint, from 09 to 04 o'clock, within 8 inch: YES	00:06:30	20, b	
	122.24	Roots Medium Joint, from 08 to 10 o'clock, 20 %, within 8 inch: YES	00:07:13	24, b	
	132.38	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:07:45	26, b	
	142.81	Crack Spiral, from 03 to 04 o'clock, within 8 inch: YES	00:08:23	28, b	S 2
	147.23	Roots Fine Joint, from 10 to 02 o'clock, within 8 inch: YES	00:08:42	30, b	
	152.25	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:09:02	32, b	
	157.37	Roots Fine Joint, from 02 to 09 o'clock, within 8 inch: YES	00:09:22	34, b	
	168.81	Downstream Manhole, Survey Ends 2384-0206	00:10:03	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	18	4	22	3	2	2.75



Inspection report

Date: 20090427	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2599	PSR: 89993
Total Pipe Length: 220	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: 0	Flow Control: N Not Controlled	Start MH: 2385-0197
City: GLR	Year Renewed:	End MH: 2385-0196
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 218.36 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 220
Drain. Area: 0196 2385-0197 2385	Lining Method:
	Category:

Remark.: **A THE FLOW**

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2385-0196		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	76.70	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:41	2, b	S 4
	93.37	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:57	4	
	162.64	Broken Void Visible, from 12 to 12 o'clock, within 8 inch: YES	00:07:19	5, b	S 5
	197.78	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:08	7	
	218.36	Upstream Manhole, Survey Ends 2385-0197	00:11:11	8	

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



National Plant Services
 1461 Harbor Avenue
 Long Beach Ca. 90813-2741
 Tel: (562) 436-7600, Fax: (562) 495-1528

Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1829	PSR: 90409
Total Pipe Length: 149	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: COUNTRY CLUB RD	Flow Control: N Not Controlled	Start MH: 2384-0174
City: GLR	Year Renewed:	End MH: 2384-0177
Location Code: C Light Highway	Tape/Media #:	pipe length: 145.45 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 149
Drain. Area: 0174:2384-0177:2384	Lining Method:
	Category:

Remark:: **NONE**

1:375	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0174		86	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	37.35	Broken Soil Visible, from 12 to 12 o'clock, within 8 inch: YES	00:01:35	87, b	S 5
	38.40	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:01:48	89	
	55.80	Fracture Spiral, from 07 to 11 o'clock, within 8 inch: YES	00:02:22	90, b	S 3
	65.85	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:57	92, b	S 2
	71.00	Crack Spiral, from 08 to 09 o'clock, within 8 inch: YES	00:03:12	94, b	S 2
	127.05	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:05:11	96	
	145.45	Downstream Manhole, Survey Ends 2384-0177	00:05:56	97	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2200	12	4	16	3	2	2.67



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 Long Beach Ca. 90813-2741
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Inspection report

Date: 20090515	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2879	PSR: 90234
Total Pipe Length: 134	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 15 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: 0	Flow Control: N Not Controlled	Start MH: 2384-0364
City: GLR	Year Renewed:	End MH: 2384-0363
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 102.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 134
Drain. Area: 0363 2384-0364 2384	Lining Method:
	Category:

Remark: **CAMERA BLOCKED BROKEN PIPE.**

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0364	00:00:00	43	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	102.20	Joint Offset Large	00:04:32	44, b	S 2
	102.20	Broken, from 09 to 03 o'clock, within 8 inch: YES	00:04:44	46, b	S 5
	102.20	Roots Fine Joint, from 04 to 06 o'clock, within 8 inch: YES	00:05:25	48	
	102.30	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:05:52	49	S 2
	102.30	Survey Abandoned, Remark: CAMERA BLOCKED BROKEN PIPE.	00:06:09	50	

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



Inspection report

Date: 20090316	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 851	PSR: 95542
Total Pipe Length: 318	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: FAWN SPRINGS LN	Flow Control: N Not Controlled	Start MH: 2340-0111
City: GLR	Year Renewed:	End MH: 2340-0117
Location Code: C Light Highway	Tape/Media #:	pipe length: 287.73 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 318
Drain. Area: 0111 2340-0117 2340	Lining Method:
	Category:

Remark:: **None**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0111			72
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	2.11	Hole Soil Visible, from 10 to 11 o'clock, within 8 inch: YES	00:01:13	73, b	S 5
	3.91	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:02:18	75	
	77.28	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:03	76	
	80.09	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:20	77	
	99.96	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:06:12	78	
	193.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:36	79	
	199.02	Fracture Circumferential, from 07 to 12 o'clock, within 8 inch: YES	00:10:03	80, b	S 2
	201.83	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:10:28	82	
	287.73	Downstream Manhole, Survey Ends 2340-0117	00:15:00	83	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20090319	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1439	PSR: 95635
Total Pipe Length: 93	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/19/2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: 0	Flow Control: N Not Controlled	Start MH: 2340-0085
City: GLR	Year Renewed:	End MH: 2340-0086
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 109.63 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 93
Drain. Area: 0085 2340-0086 2340	Lining Method:
	Category:

Remark:: **HOLE ON PIPE AT 31FT**

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0085		56	
	0.00	Water Level, 5 of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	30.32	Fracture Circumferential, from 08 to 03 o'clock, within 8 inch: YES	00:01:46	57, b	S 2
	31.93	Hole Soil Visible, from 07 to 10 o'clock, within 8 inch: YES	00:02:34	59, b	S 5
	47.29	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:48	61	
	109.63	Downstream Manhole, Survey Ends 2340-0086	00:05:53	62	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20090602	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3199	PSR: 90495
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 06.02.2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: ALOSTA AV	Flow Control: N Not Controlled	Start MH: 2384-0145
City: GLR	Year Renewed:	End MH: 2384-0144
Location Code: F Sidewalk	Tape/Media #:	pipe length: 350.29 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0144:2384-0145:2384	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0144		1	
	0.00	Water Level, 5 % of cross sectional area	00:00:43		M 2
	0.00	Water Mark, 10 of cross sectional area			M 2
	58.31	Hole Soil Visible, from 02 to 05 o'clock, within 8 inch: YES	00:02:49	2, b	S 5
	63.63	Fracture Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:03:25	4, b	S 2
	111.12	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:33	6	
	237.97	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:44	7	
	283.86	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:58	8	
	342.37	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:35	9	
	350.29	Upstream Manhole, Survey Ends 2384-0145	00:13:02	10	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20090319	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 981	PSR: 95089
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03:19 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: LEADORA AV	Flow Control: N Not Controlled	Start MH: 2341-0447
City: GLR	Year Renewed:	End MH: 2341-0446
Location Code: C Light Highway	Tape/Media #:	pipe length: 350.36 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 348
Drain. Area: 0446 2341-0447 2341	Lining Method:
	Category:

Remark.: **Against the flow**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0446		56	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	39.44	Broken Soil Visible, from 08 to 01 o'clock, within 8 inch: YES	00:02:11	57, b	S 5
	74.37	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:20	59	
	173.52	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:06	60	
	267.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:54	61	
	325.97	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:16	62	
	343.74	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:15:10	63	
	350.36	Upstream Manhole, Survey Ends 2341-0447	00:15:59	64	

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



National Plant Services
 1461 Harbor Avenue
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Inspection report

Date: 20090401	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1614	PSR: 94636
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 30 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: GLENWOOD AV	Flow Control: N Not Controlled	Start MH: 2341-0840
City: GLR	Year Renewed:	End MH: 2341-0845
Location Code: C Light Highway	Tape/Media #:	pipe length: 73.69 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 338
Drain. Area: 0840 2341-0845 2341	Lining Method:
	Category:

Remark: **CAMARA BLOCKED**

1:200	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0840		1	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	10.74	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:00:59	20	
	72.99	Broken Void Visible, from 11 to 03 o'clock, within 8 inch: YES	00:03:12	21, b	S 5
	72.99	Roots Ball Joint, from 09 to 03 o'clock, 10, within 8 inch: YES	00:03:31	23, b	
	73.69	Survey Abandoned, Remark: CAMARA BLOCKED BROKEN PIPE	00:04:22	25, b	

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



Inspection report

Date: 20090401	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1619	PSR: 94636
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.01 2009	Pre-Cleaned: J Jetting	Map Grid #:

Street: GLENWOOD AV	Flow Control: N Not Controlled	Start MH: 2341-0845
City: GLR	Year Renewed:	End MH: 2341-0840
Location Code: C Light Highway	Tape/Media #:	pipe length: 255.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: PVC Pipe Length:
Drain. Area:	Lining Method:
	Category:

Remark:: **REVERSED**

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0845		108	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	51.90	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:35	109	
	62.44	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:02:59	110, b	
	90.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:01	112	
	95.78	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:04:16	113, b	
	166.55	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:06:38	115, b	
	168.66	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:51	117	
	236.63	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:05	118	
	255.80	Survey Abandoned, Remark: REVERSED COMPLETED	00:09:57	119, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	2200	0	4	4	0	2	2



Inspection report

Date: 20090407	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1697	PSR: 95377
Total Pipe Length: 181	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.07.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: WALNUT AV	Flow Control: N Not Controlled	Start MH: 2341-0141
City: GLR	Year Renewed:	End MH: 2341-0140
Location Code: C Light Highway	Tape/Media #:	pipe length: 236.15 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 181
Drain. Area: 0140 2341-0141 2341	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:600	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0140		15	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	9.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:42	16	
	84.85	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:08	17	
	107.70	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:03:57	18, b	S 4
	107.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:30	20	
	115.25	Roots Fine Joint, at 08 o'clock, within 8 inch: YES	00:04:53	21, b	
	118.40	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:05:09	23, b	
	135.85	Roots Fine Joint, at 03 o'clock, within 8 inch: YES	00:05:54	25, b	
	137.85	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:06	27	
	138.40	Roots Fine Joint, from 02 to 05 o'clock, within 8 inch: YES	00:06:13	28, b	
	148.85	Roots Fine Joint, from 11 to 03 o'clock, within 8 inch: YES	00:06:45	30, b	
	162.50	Roots Fine Joint, from 03 to 08 o'clock, within 8 inch: YES	00:07:18	32, b	
	165.85	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:07:35	34, b	
	176.30 S1	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, start	00:08:02	36, b	
	199.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:50	38	
	202.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:03	39	
	218.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:38	40	
	232.65 F1	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, end	00:10:08	41	
	236.15	Upstream Manhole, Survey Ends 2341-0141	00:10:24	42	

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



Inspection report

Date: 20090407	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1866	PSR: 94654
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.07.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: CRESTVIEW DR	Flow Control: N Not Controlled	Start MH: 2341-0862
City: GLR	Year Renewed:	End MH: 2341-0858
Location Code: C Light Highway	Tape/Media #:	pipe length: 307.31 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0858 2341-0862 2341	Lining Method:
	Category:

Remark: **A THE FLOW**

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0858		19	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	67.56	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:41	20	
	107.82	Hole Soil Visible, from 02 to 04 o'clock, within 8 inch: YES	00:03:58	21, b	S 5
	130.81	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:56	23	
	188.84	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:36	24	
	252.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:14	25	
	285.12	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:11	26	
	297.77	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:36	27	
	300.28	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:46	28	
	307.31	Upstream Manhole, Survey Ends 2341-0862	00:10:14	29	

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



Inspection report

Date: 20090413	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1912	PSR: 94556
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04/13/2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: CYPRESS AV	Flow Control: N Not Controlled	Start MH: 2341-0883
City: GLR	Year Renewed:	End MH: 2341-0884
Location Code: C Light Highway	Tape/Media #:	pipe length: 351.98 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 308
Drain. Area: 0883 2341-0884 2341	Lining Method:
	Category:

Remark:: **BROKEN PIPE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0883			65
	<u>0.00</u>	Water Level, 5 % of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	<u>16.26</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:06		66
	<u>49.09</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:10		67
	<u>56.72</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:32		68
	<u>114.75</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:09		69
	<u>178.40</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:31		70
	<u>216.55</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:46		71
	<u>249.68</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:32		72
	<u>252.29</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:45		73
	<u>295.56</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:14		74
	<u>327.18</u>	Broken, from 03 to 09 o'clock, within 8 inch: YES	00:12:25	75, b	S 5
	<u>351.98</u>	Downstream Manhole, Survey Ends 2341-0884	00:14:29		77

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



Inspection report

Date: 20090422	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2078	PSR: 90287
Total Pipe Length: 303	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 22 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: CRESCENT GLEN DR	Flow Control: N Not Controlled	Start MH: 2384-0294
City: GLR	Year Renewed:	End MH: 2384-0293
Location Code: C Light Highway	Tape/Media #:	pipe length: 305.45 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 303
Drain. Area: 0293 2384-0294 2384	Lining Method:
	Category:

Remark:: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0294		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	3.35	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:00:28	2, b	
	5.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:43	4	
	6.00	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:00:52	5, b	
	28.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:35	7	
	86.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:27	8	
	125.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:36	9	
	251.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:15	10	
	277.65	Hole Void Visible, from 11 to 01 o'clock, within 8 inch: YES	00:10:20	11, b	S 5
	305.45	Downstream Manhole, Survey Ends 2384-0293	00:11:30	13	

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



Inspection report

Date: 20090422	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2081	PSR: 95122
Total Pipe Length: 299	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 22 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: LORAIN AV	Flow Control: N Not Controlled	Start MH: 2341-0365
City: GLR	Year Renewed:	End MH: 2341-0364
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 330.09 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10 10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 299
Drain. Area: 0364 2341-0365 2341	Lining Method:
	Category:

Remark:: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0365			80
	0.00	Water Level, 15 of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
	10.14	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:00:56		81
	10.14	Broken Void Visible, from 09 to 11 o'clock, within 8 inch: YES	00:01:11	82, b	S 5
	11.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:34		84
	51.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:58		85
	55.32	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:04:21		86
	127.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:06		87
	196.17	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:07:46		88
	202.29	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:02		89
	267.95	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:50		90
	279.19	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:19		91
	330.09	Downstream Manhole, Survey Ends 2341-0364	00:11:51		92

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



Inspection report

Date: 20090427	P.O.#: YOTV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2369	PSR: 90592
Total Pipe Length: 106	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: 0	Flow Control: N Not Controlled	Start MH: 2384-0006
City: GLR	Year Renewed:	End MH: 2384-0008
Location Code: C Light Highway	Tape/Media #:	pipe length: 106.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 106
Drain. Area: 0006 2384-0008 2384	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:275	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0008		82	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	30.50	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:01:12	83, b	
	33.65	Broken Soil Visible, from 01 to 04 o'clock, within 8 inch: YES	00:01:28	85, b	S 5
	34.80	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:01:42	87	
	68.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:47	88	
	106.60	Upstream Manhole, Survey Ends 2384-0006	00:04:13	89	

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



Inspection report

Date: 20090427	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2378	PSR: 90602
Total Pipe Length: 205	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: HIGHLAND DR	Flow Control: N Not Controlled	Start MH: 2384-0015
City: GLR	Year Renewed:	End MH: 2384-0014
Location Code: C Light Highway	Tape/Media #:	pipe length: 268.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 205
Drain. Area: 0014:2384-0015 2384	Lining Method:
	Category:

Remark:: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0015		36	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	85.15	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:33	37	
	87.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:48	38	
	161.85	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:23	39	
	163.20	Broken Void Visible, from 04 to 04 o'clock, within 8 inch: YES	00:06:34	40, b	S 5
	184.95	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:45	42	
	268.80	Downstream Manhole, Survey Ends 2384-0014	00:10:24	43	

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



Inspection report

Date: 20090427	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2381	PSR: 90604
Total Pipe Length: 235	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: OAK KNOLL DR	Flow Control: N Not Controlled	Start MH: 2384-0018
City: GLR	Year Renewed:	End MH: 2384-0017
Location Code: C Light Highway	Tape/Media #:	pipe length: 237 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 235
Drain. Area: 0017 2384-0018 2384	Lining Method:
	Category:

Remark:: **NONE**

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0018		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	6.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:02	2	
	8.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:19	3	
	10.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:32	4	
	44.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:13	5	
	46.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:27	6	
	108.50	Hole Void Visible, from 09 to 11 o'clock, within 8 inch: YES	00:05:47	7, b	S 5
	109.95	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:04	9	
	122.50	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:06:51	10	
	237.00	Downstream Manhole, Survey Ends 2384-0017	00:12:25	11	

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



Inspection report

Date: 20090526	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3042	PSR: 90473
Total Pipe Length: 285	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 26 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: ZARA ST	Flow Control: N Not Controlled	Start MH: 2384-0125
City: GLR	Year Renewed:	End MH: 2384-0124
Location Code: C Light Highway	Tape/Media #:	pipe length: 252.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 285
Drain. Area: 0124 2384-0125 2384	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0124		324	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area			M 2
	51.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:17	325	
	60.32	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:38	326	
	100.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:43	327	
	116.83	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:14	328	
	149.79	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:09	329	
	152.40	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:18	330	
	199.49	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:43	331	
	201.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark:	00:06:52	332	
	205.70	ROOTS Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:07:04	333, b	
	240.67	Hole Void Visible, from 09 to 03 o'clock, within 8 inch: YES	00:08:06	335, b	S 5
	252.30	Upstream Manhole, Survey Ends 2384-0125	00:09:02	337	

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



Inspection report

Date: 20090313	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 849	PSR: 95554
Total Pipe Length: 282	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/13/2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: GLENDORA MTN RD	Flow Control: N Not Controlled	Start MH: 2340-0157
City: GLR	Year Renewed:	End MH: 2340-0121
Location Code: C Light Highway	Tape/Media #:	pipe length: 365.11 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 282
Drain. Area: 0121 2340-0157 2340	Lining Method:
	Category:

Remark:: **None**

1:900	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0157		24	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	28.90	Joint Offset Large	00:02:18	25, b	S 2
	34.83	Joint Offset Medium	00:02:47	27, b	S 1
	47.37	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:03:26	29	
	65.33	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:28	30	
	106.08	Fracture Multiple, from 04 to 12 o'clock, within 8 inch: YES	00:06:12	31, b	S 4
	108.59	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:32	33, b	S 4
	120.83	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES, start	00:07:23	35, b	S 4
	130.87	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:08:07	37, b	S 4
	142.51	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:08:50	39, b	S 2
	161.48	Crack Spiral, from 09 to 03 o'clock, within 8 inch: YES	00:09:48	41, b	S 2
	168.81	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:28	43	
	173.93	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:56	44	
	267.16	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:14:34	45	
	288.24	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:15:40	46	
	363.31	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:19:04	47, b	S 1
	365.11	Downstream Manhole, Survey Ends 2340-0121	00:20:11	49	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4423	2200	24	4	28	2.67	2	2.55



Inspection report

Date: 20090504	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2668	PSR: 94106
Total Pipe Length: 202	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.04.2009	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: PUMA CANYON LN	Flow Control: N Not Controlled	Start MH: 2342-0480
City: GLR	Year Renewed:	End MH: 2342-0479
Location Code: C Light Highway	Tape/Media #:	pipe length: 213.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 202
Drain. Area: 0479 2342-0480 2342	Lining Method:
	Category:

Remark:: **FRACTURES.**

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2342-0480	00:00:00	10	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	41.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:03:02	11, b	
	53.40	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:04:27	13, b	S 4
	63.30	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:05:26	15, b	S 4
	74.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:06:30	17, b	
	173.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:55	19	
	183.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:29	20	
	189.50	Fracture Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:11:03	21, b	S 4
	213.80	Downstream Manhole, Survey Ends 2342-0479	00:13:17	23	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4300	2200	12	4	16	4	2	3.2



Inspection report

Date: 20090511	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2728	PSR: 90191
Total Pipe Length: 247	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 11 2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: REMUDA DR	Flow Control: N Not Controlled	Start MH: 2385-0033
City: GLR	Year Renewed:	End MH: 2385-0034
Location Code: C Light Highway	Tape/Media #:	pipe length: 241.07 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 247
Drain. Area: 0033 2385-0034 2385	Lining Method:
	Category:

Remark:: **NONE**

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0033		155	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	23.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:31	156	
	41.38	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:11	157, b	S 3
	45.09	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:02:34	159, b	S 3
	51.90	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:03:10	161, b	S 2
	55.61	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:03:26	163, b	S 2
	70.34	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:59	165	
	87.17	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:44	166	
	107.81	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:05:26	167, b	S 3
	119.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:57	169	
	144.68	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:06:54	170, b	S 2
	149.39	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:16	172	
	171.14	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:07:59	173, b	S 3
	175.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:22	175	
	201.20	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:20	176, b	S 4
	202.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:50	178	
	223.84	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:10:35	179, b	S 4
	241.07	Downstream Manhole, Survey Ends 2385-0034	00:11:30	181	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4234	2200	26	4	30	2.89	2	2.73



Inspection report

Date: 20090504	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2648	PSR: 90096
Total Pipe Length: 327	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.04.2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: CORDELIA AV	Flow Control: N Not Controlled	Start MH: 2385-0060
City: GLR	Year Renewed:	End MH: 2385-0061
Location Code: C Light Highway	Tape/Media #:	pipe length: 315.22 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 327
Drain. Area: 0060 2385-0061 2385	Lining Method:
	Category:

Remark:: **NONE**

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0060		1	
	<u>0.00</u>	Water Level, 5 % of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	<u>8.32</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:16	2	
	<u>10.42</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:29	3	
	<u>21.24</u>	Roots Fine Joint, from 03 to 06 o'clock, within 8 inch: YES	00:01:53	4, b	
	<u>40.28</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:38	6	
	<u>46.29</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:57	7	
	<u>96.79</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:32	8	
	<u>102.70</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:52	9	
	<u>114.32</u>	Crack Multiple, from 01 to 06 o'clock, within 8 inch: YES	00:05:20	10, b	S 3
	<u>145.19</u>	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:06:29	12, b	S 3
	<u>149.89</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:55	14	
	<u>155.81</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:12	15	
	<u>174.14</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:54	16, b	S 4
	<u>187.87</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:31	18, b	S 4
	<u>206.31</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:34	20	
	<u>212.32</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:53	21	
	<u>252.30</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:06	22	
	<u>255.00</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:21	23	
	<u>297.48</u>	Fracture Longitudinal, at 09 o'clock, within 8 inch: YES	00:12:42	24, b	S 3
	<u>315.22</u>	Downstream Manhole, Survey Ends 2385-0061	00:13:38	26	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4233	2200	17	4	21	3.4	2	3



Inspection report

Date: 20090511	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2734	PSR: 90198
Total Pipe Length: 249	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 11 2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: LINFIELD ST	Flow Control: N Not Controlled	Start MH: 2385-0041
City: GLR	Year Renewed:	End MH: 2385-0040
Location Code: C Light Highway	Tape/Media #:	pipe length: 255.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 249
Drain. Area: 0040 2385-0041 2385	Lining Method:
	Category:

Remark:: **NONE**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0041		121	
	<u>0.00</u>	Water Level, 5 % of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 of cross sectional area			M 2
	<u>6.21</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:17	122	
	<u>7.41</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:31	123, b	S 4
	<u>8.82</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:51	125	
	<u>33.17</u>	Crack Circumferential, from 12 to 06 o'clock, within 8 inch: YES	00:05:02	126, b	S 1
	<u>37.37</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:23	128	
	<u>42.18</u>	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:40	129, b	S 3
	<u>43.59</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:54	131	
	<u>91.78</u>	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:07:18	132, b	
	<u>93.48</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:33	134	
	<u>97.69</u>	Roots Fine Joint, from 01 to 06 o'clock, within 8 inch: YES	00:07:59	135, b	
	<u>98.29</u>	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:08:12	137, b	S 4
	<u>99.60</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:28	139	
	<u>162.02</u>	Fracture Longitudinal, at 09 o'clock, within 8 inch: YES	00:10:39	140, b	S 3
	<u>196.29</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:11:54	142, b	S 2
	<u>213.32</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:40	144, b	
	<u>255.30</u>	Downstream Manhole, Survey Ends 2385-0040	00:14:15	146	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2200	17	4	21	2.83	2	2.63



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1831	PSR: 90410
Total Pipe Length: 224	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: GREENCROFT AV	Flow Control: N Not Controlled	Start MH: 2384-0176
City: GLR	Year Renewed:	End MH: 2384-0175
Location Code: C Light Highway	Tape/Media #:	pipe length: 276.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 224
Drain. Area: 0175 2384-0176 2384	Lining Method:
	Category:

Remark:: **NONE**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0176		64	
	0.00	Water Level, 0 % of cross sectional area			M 2
	0.00	Water Mark, 0 % of cross sectional area			M 2
	3.35	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:00:29	65, b	S 2
	7.35	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:49	67	
	11.05	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:00	68	
	60.85	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:31	69	
	85.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:15	70	
	137.00	Fracture Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:05:04	71, b	S 4
	159.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:45	73	
	176.40	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:07:15	74, b	S 4
	253.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:00	76	
	265.45	Roots Fine Joint, from 02 to 10 o'clock, within 8 inch: YES	00:12:54	77, b	
	276.95	Downstream Manhole, Survey Ends 2384-0175	00:15:17	79	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4221	2200	10	4	14	3.33	2	2.8



Inspection report

Date: 20090512	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2743	PSR: 90220
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 12 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: COUNTRY CLUB DR	Flow Control: N Not Controlled	Start MH: 2384-0351
City: GLR	Year Renewed:	End MH: 2384-0350
Location Code: C Light Highway	Tape/Media #:	pipe length: 348.69 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0350 2384-0351 2384	Lining Method:
	Category:

Remark:: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0351		28	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	57.21	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:02:08	29	
	131.66	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:04:13	30	
	228.05	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:07:06	31	
	332.15	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:24	32, b	S 4
	338.36	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:54	34, b	S 4
	348.69	Downstream Manhole, Survey Ends 2384-0350	00:12:01	36	

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



Inspection report

Date: 20090513	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2754	PSR: 90378
Total Pipe Length: 297	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 13 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: AMELIA AV	Flow Control: N Not Controlled	Start MH: 2384-0260
City: GLR	Year Renewed:	End MH: 2384-0259
Location Code: C Light Highway	Tape/Media #:	pipe length: 362.91 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 297
Drain. Area: 0259 2384-0260 2384	Lining Method:
	Category:

Remark:: **NONE**

1:900	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0260		103	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	0.70	Roots Fine Joint, from 02 to 06 o'clock, within 8 inch: YES	00:00:49	104, b	
	7.41	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:13	106	
	31.66	Fracture Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:02:05	107, b	S 4
	120.94	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:44	109	
	329.35	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:11:09	110, b	S 4
	362.91	Downstream Manhole, Survey Ends 2384-0259	00:12:31	112	

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



Inspection report

Date: 20090506	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2684	PSR: 90199
Total Pipe Length: 286	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.06 2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: LOPE LN	Flow Control: N Not Controlled	Start MH: 2385-0042
City: GLR	Year Renewed:	End MH: 2385-0040
Location Code: C Light Highway	Tape/Media #:	pipe length: 290.67 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 286
Drain. Area: 0040 2385-0042 2385	Lining Method:
	Category:

Remark:: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0042		51	
	<u>0.00</u>	Water Level, 5 % of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	<u>14.13</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:33	52	
	<u>43.99</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:17	53	
	<u>44.99</u>	Roots Fine Joint, from 01 to 05 o'clock, within 8 inch: YES	00:04:26	54, b	
	<u>55.71</u>	Crack Circumferential, from 09 to 12 o'clock, within 8 inch: YES	00:04:55	56, b	S 1
	<u>70.54</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:32	58	
	<u>85.27</u>	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:06:06	59, b	
	<u>93.18</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:27	61	
	<u>119.74</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:15	62	
	<u>142.78</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:05	63	
	<u>172.64</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:07	64	
	<u>190.77</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:09:44	65, b	S 2
	<u>192.18</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:58	67	
	<u>227.45</u>	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:11:07	68, b	S 3
	<u>228.85</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:23	70	
	<u>243.58</u>	Crack Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:11:54	71, b	S 3
	<u>248.29</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:21	73	
	<u>252.70</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:12:37	74, b	S 4
	<u>280.05</u>	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:13:44	76, b	S 3
	<u>283.66</u>	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:14:02	78, b	S 3
	<u>290.67</u>	Downstream Manhole, Survey Ends 2385-0040	00:14:34	80	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	2200	19	4	23	2.71	2	2.56



Inspection report

Date: 20090317	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 875	PSR: 95566
Total Pipe Length: 211	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/17/2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: HIDDEN SPRINGS LN	Flow Control: N Not Controlled	Start MH: 2340-0134
City: GLR	Year Renewed:	End MH: 2340-0133
Location Code: C Light Highway	Tape/Media #:	pipe length: 221.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 211
Drain. Area: 0133 2340-0134 2340	Lining Method:
	Category:

Remark:: **None**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0134		28	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	39.94	Crack Spiral, from 08 to 10 o'clock, within 8 inch: YES	00:02:21	29, b	S 2
	41.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:41	31	
	49.68	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:14	32	
	74.97	Crack Multiple, from 04 to 11 o'clock, within 8 inch: YES	00:04:20	33, b	S 3
	105.88	Fracture Multiple, from 09 to 05 o'clock, within 8 inch: YES	00:05:55	35, b	S 4
	142.01	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:21	37	
	149.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:47	38	
	195.90	Fracture Spiral, from 07 to 08 o'clock, within 8 inch: YES	00:09:42	39, b	S 3
	220.09	Crack Multiple, from 08 to 04 o'clock, within 8 inch: NO	00:11:13	41, b	S 3
	221.40	Downstream Manhole, Survey Ends 2340-0133	00:11:45	43	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	15	4	19	3	2	2.71



Inspection report

Date: 20090331	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1406	PSR: 95233
Total Pipe Length: 399	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 31 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: FOOTHILL BV	Flow Control: N Not Controlled	Start MH: 2341-0240
City: GLR	Year Renewed:	End MH: 2341-0241
Location Code: C Light Highway	Tape/Media #:	pipe length: 382.49 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 399
Drain. Area: 0240 2341-0241 2341	Lining Method:
	Category:

Remark:: **NONE**

1:950	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0240		285	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	38.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:41	286	
	78.36	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:03:07	287, b	S 3
	111.49	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:19	289	
	120.76	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:04:52	290, b	S 2
	181.11	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:49	292	
	203.35	Fracture Multiple, from 07 to 02 o'clock, within 8 inch: YES	00:07:52	293, b	S 4
	220.52	Crack Spiral, from 02 to 05 o'clock, within 8 inch: YES	00:08:53	295, b	S 2
	246.77	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:10:01	297	
	250.61	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:16	298	
	313.87	Crack Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:12:36	299, b	S 3
	336.23	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:13:41	301, b	S 2
	350.11	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:14:36	303, b	S 3
	382.49	Downstream Manhole, Survey Ends 2341-0241	00:16:06	305	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	19	4	23	2.71	2	2.56



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1827	PSR: 90407
Total Pipe Length: 209	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: COUNTRY CLUB RD	Flow Control: N Not Controlled	Start MH: 2384-0172
City: GLR	Year Renewed:	End MH: 2384-0174
Location Code: C Light Highway	Tape/Media #:	pipe length: 218.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 209
Drain. Area: 0172 2384-0174 2384	Lining Method:
	Category:

Remark:: **NONE**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0172		130	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	12.05	Crack Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:00:51	131, b	S 3
	26.65	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:23	133, b	S 4
	47.75	Crack Spiral, from 02 to 04 o'clock, within 8 inch: YES	00:02:14	135, b	S 2
	53.55	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:02:29	137	
	87.95	Fracture Circumferential, from 01 to 11 o'clock, within 8 inch: YES	00:03:41	138, b	S 2
	131.90	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:04:50	140	
	133.40	Fracture Spiral, from 01 to 05 o'clock, within 8 inch: YES	00:04:57	141, b	S 3
	183.60	Fracture Spiral, from 06 to 10 o'clock, within 8 inch: YES	00:06:23	143, b	S 3
	216.00	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:07:24	145, b	S 2
	218.40	Downstream Manhole, Survey Ends 2384-0174	00:07:45	147	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	19	4	23	2.71	2	2.56



Inspection report

Date: 20090316	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 862	PSR: 95556
Total Pipe Length: 274	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: 0	Flow Control: N Not Controlled	Start MH: 2340-0122
City: GLR	Year Renewed	End MH: 2340-0130
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 299.78 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 274
Drain. Area: 0122 2340-0130 2340	Lining Method:
	Category:

Remark:: **None**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0122		159	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	8.13	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:45	160	
	9.13	Crack Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:02:15	161, b	S 3
	73.46	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:04:59	163, b	S 4
	88.22	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:54	165	
	88.82	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:06:07	166, b	
	120.23	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:34	168	
	123.04	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:51	169	
	153.05	Roots Fine Joint, from 08 to 02 o'clock, within 8 inch: YES	00:09:08	170, b	
	172.82	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:10:14	172, b	
	178.04	Roots Fine Joint, from 09 to 04 o'clock, within 8 inch: YES	00:10:38	174, b	
	205.14	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:12:05	176	
	210.26	Fracture Spiral, from 06 to 08 o'clock, within 8 inch: YES	00:12:26	177, b	S 3
	212.66	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:51	179	
	243.38	Joint Offset Medium	00:14:18	180, b	S 1
	246.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:47	182	
	246.79	Roots Fine Joint, from 07 to 09 o'clock, within 8 inch: YES	00:15:04	183, b	
	299.78	Downstream Manhole, Survey Ends 2340-0130	00:17:48	185	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	11	4	15	2.75	2	2.5



Inspection report

Date: 20090325	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1103	PSR: 95078
Total Pipe Length: 252	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 25 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: WILLOWGROVE AV	Flow Control: N Not Controlled	Start MH: 2341-0437
City: GLR	Year Renewed:	End MH: 2341-0438
Location Code: C Light Highway	Tape/Media #:	pipe length: 254.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 252
Drain. Area: 0437 2341-0438 2341	Lining Method:
	Category:

Remark:: **NONE**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0437		110	
	0.00	Water Level, 0 % of cross sectional area			M 2
	0.00	Water Mark, 0 % of cross sectional area			M 2
	5.47	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:45	111	
	8.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:01	112	
	16.54	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:09	113	
	20.16	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:20	114	
	35.89	Fracture Spiral, from 08 to 10 o'clock, within 8 inch: YES	00:03:01	115, b	S 3
	93.19	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:42	117	
	96.67	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:53	118	
	112.67	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, start	00:05:27	119, b	
	137.83	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, end	00:06:19	121	
	148.18	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: NO	00:06:52	122, b	S 4
	167.16	Fracture Spiral, from 01 to 04 o'clock, within 8 inch: YES	00:07:51	124, b	S 3
	179.93	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:22	126	
	183.39	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:35	127	
	254.70	Downstream Manhole, Survey Ends 2341-0438	00:10:36	128	

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



Inspection report

Date: 20090331	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1408	PSR: 95144
Total Pipe Length: 104	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 31 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: SAN JOSE DR	Flow Control: N Not Controlled	Start MH: 2341-0389
City: GLR	Year Renewed:	End MH: 2341-0388
Location Code: C Light Highway	Tape/Media #:	pipe length: 101.16 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 104
Drain. Area: 0388 2341-0389 2341	Lining Method:
	Category:

Remark:: **NONE**

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0389			246
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	35.07	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:31		247
	75.05	Crack Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:03:02	248, b	S 3
	92.35	Fracture Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:03:53	250, b	S 4
	95.89	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:04:17	252, b	S 3
	101.16	Downstream Manhole, Survey Ends 2341-0388	00:04:50		254

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



Inspection report

Date: 20090323	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1015	PSR: 94991
Total Pipe Length: 106	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 23 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: WORHTY DR	Flow Control: N Not Controlled	Start MH: 2341-0467
City: GLR	Year Renewed:	End MH: 2341-0468
Location Code: C Light Highway	Tape/Media #:	pipe length: 132.84 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 106
Drain. Area: 0467 2341-0468 2341	Lining Method:
	Category:

Remark:: **TV'D AGAINST THE FLOW**

1:325	position	observation	MPEG	photo	grade
		Downstream Manhole, Survey Begins 2341-0468 Water Level, 5 % of cross sectional area Water Mark, 5 % of cross sectional area Crack Spiral, from 03 to 07 o'clock, within 8 inch: YES Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES Fracture Spiral, from 06 to 09 o'clock, within 8 inch: YES Upstream Manhole, Survey Ends 2341-0467			
				1	
					M 2
					M 2
			00:03:54	2, b	S 2
			00:04:35	4, b	S 4
			00:06:29	6	
			00:06:50	7, b	S 3
			00:07:41	9	

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



Inspection report

Date: 20090601	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3183	PSR: 95507
Total Pipe Length: 168	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 06.01.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: 0	Flow Control: N Not Controlled	Start MH: 2341-0031
City: GLR	Year Renewed:	End MH: 2341-0032
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 169.43 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10 10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 168
Drain. Area: 0031 2341-0032 2341	Lining Method:
	Category:

Remark.: **AGAINST THE FLOW**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0032		27	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area	00:00:43		M 2
	79.86	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:00:27	28	
	82.36	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:43	29	
	83.46	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:01	30, b	S 4
	89.18	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:32	32, b	S 3
	100.70	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:02:18	34, b	S 2
	123.14	Water Level, 20 of cross sectional area	00:03:01		M 2
	169.43	Downstream Manhole, Survey Ends 2341-0031	00:08:51	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2300	9	6	15	3	2	2.5



Inspection report

Date: 20090325	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1108	PSR: 95026
Total Pipe Length: 360	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 25 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: BAXTER DR	Flow Control: N Not Controlled	Start MH: 2341-0503
City: GLR	Year Renewed:	End MH: 2341-0496
Location Code: C Light Highway	Tape/Media #:	pipe length: 355.21 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 360
Drain. Area: 0496 2341-0503 2341	Lining Method:
	Category:

Remark:: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0503		144	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	36.73	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:01:35	145, b	
	46.54	Roots Fine Joint, from 01 to 03 o'clock, within 8 inch: YES	00:02:00	147, b	
	62.51	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:34	165	
	63.44	Fracture Circumferential, from 11 to 02 o'clock, within 8 inch: YES	00:02:42	166, b	S 2
	71.01	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:02	168	
	116.57	Crack Spiral, from 03 to 05 o'clock, within 8 inch: YES	00:04:24	169, b	S 2
	178.83	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:09	171	
	257.03	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:11	172	
	260.12	Fracture Circumferential, from 07 to 04 o'clock, within 8 inch: NO	00:08:29	173, b	S 2
	296.47	Fracture Multiple, from 03 to 11 o'clock, within 8 inch: YES	00:09:39	175, b	S 4
	355.21	Downstream Manhole, Survey Ends 2341-0496	00:11:23	177	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	2200	10	4	14	2.5	2	2.33



Inspection report

Date: 20090327	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1189	PSR: 95033
Total Pipe Length: 271	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: CYPRESS AV	Flow Control: N Not Controlled	Start MH: 2341-0507
City: GLR	Year Renewed:	End MH: 2341-0508
Location Code: C Light Highway	Tape/Media #:	pipe length: 342.82 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 271
Drain. Area: 0507 2341-0508 2341	Lining Method:
	Category:

Remark:: **NONE**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0507		97	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	9.63	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:39	98	
	12.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:50	99	
	24.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:14	100	
	39.63	Fracture Multiple, from 10 to 07 o'clock, within 8 inch: YES	00:01:53	101, b	S 4
	57.37	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:31	103	
	115.01	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:07	104	
	142.58	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:55	105	
	200.09	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:53	106	
	241.17	Crack Spiral, from 11 to 02 o'clock, within 8 inch: YES	00:08:13	107, b	S 2
	255.49	Crack Spiral, from 08 to 10 o'clock, within 8 inch: YES	00:09:01	109, b	S 2
	262.88	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:27	111	
	285.26	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:08	112	
	318.16	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:07	113	
	342.82	Downstream Manhole, Survey Ends 2341-0508	00:12:17	114	

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



Inspection report

Date: 20090318	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 916	PSR: 95627
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/18/2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: KREGMONT DR	Flow Control: N Not Controlled	Start MH: 2340-0077
City: GLR	Year Renewed:	End MH: 2340-0078
Location Code: C Light Highway	Tape/Media #:	pipe length: 343.05 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 333
Drain. Area: 0077 2340-0078 2340	Lining Method:
	Category:

Remark:: **None**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0077		52	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	96.98	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:03:19	53, b	S 2
	242.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:46	55	
	338.73	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:35	56	
	338.73	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:09:45	57, b	S 4
	343.05	Downstream Manhole, Survey Ends 2340-0078	00:10:15	59	

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



Inspection report

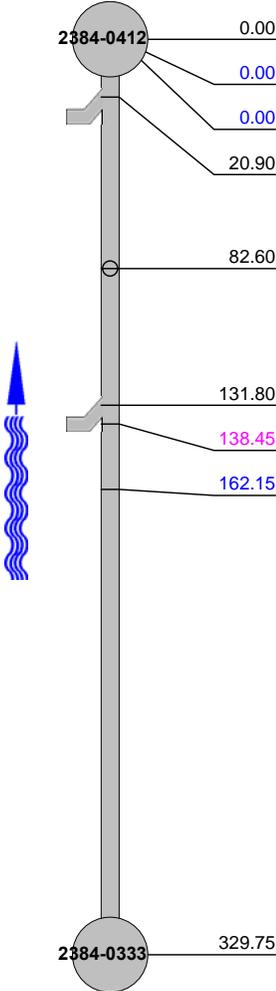
Date: 20090413	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1686	PSR: 90205
Total Pipe Length: 334	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04/13/2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: GORDON HIGHLANDS RD	Flow Control: N Not Controlled	Start MH: 2384-0412
City: GLR	Year Renewed:	End MH: 2384-0333
Location Code: C Light Highway	Tape/Media #:	pipe length: 329.75 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 334
Drain. Area: 0333 2384-0412 2384	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0412		16	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	20.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:06	26	
	82.60	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:03:14	27	
	131.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:45	28	
	138.45	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:05:08	29, b	S 4
	162.15	Fracture Circumferential, from 06 to 11 o'clock, within 8 inch: YES	00:06:28	31, b	S 2
	329.75	Downstream Manhole, Survey Ends 2384-0333	00:12:14	33	



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



Inspection report

Date: 20090520	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 3026	PSR: 90270
Total Pipe Length: 227	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 20 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: FINANCIAL WY	Flow Control: N Not Controlled	Start MH: 2384-0272
City: GLR	Year Renewed:	End MH: 2384-0271
Location Code: C Light Highway	Tape/Media #:	pipe length: 226.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 227
Drain. Area: 0271 2384-0272 2384	Lining Method:
	Category:

Remark:: **BROKEN JOINT, FRACTURED PIPE, SAGS.**

1:528	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0272	00:00:00	2	
	0.00	Water Level, 10 % of cross sectional area	00:00:34		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:38		M 2
	43.20	Water Level, 5 % of cross sectional area	00:02:17		M 2
	53.70	Water Level, 10 % of cross sectional area	00:02:42		M 2
	76.90	Water Level, 5 % of cross sectional area	00:03:24		M 2
	83.00	Water Level, 10 % of cross sectional area	00:03:38		M 2
	97.00	Water Level, 5 % of cross sectional area	00:04:04		M 2
	110.30	Water Level, 10 % of cross sectional area	00:04:28		M 2
	120.40	Water Level, 5 % of cross sectional area	00:04:49		M 2
	140.00 S1	Water Level, Sag in pipe, 25 % of cross sectional area, start	00:05:34	3	M 2
	143.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:49	4	
	146.40	Water Level, 30 % of cross sectional area	00:06:06		M 2
	166.90	Water Level, 20 % of cross sectional area	00:06:46		M 2
	187.60 F1	Water Level, Sag in pipe, 25 % of cross sectional area, end	00:07:24		M 2
	189.60	Water Level, 10 % of cross sectional area	00:07:40		M 2
	202.10 S2	Water Level, Sag in pipe, 25 % of cross sectional area, start	00:08:15	5	M 2
	205.40	Water Level, 30 % of cross sectional area	00:08:31		M 2
	213.40	Water Level, 40 % of cross sectional area	00:09:02		M 2
	213.40	Joint Offset Medium	00:09:03	6, b	S 1
	214.70	Fracture Circumferential, from 08 to 04 o'clock, within 8 inch: NO	00:09:50	8, b	S 2
	215.20 S3	Camera Underwater, start	00:10:14		M 4
	218.10 F3	Camera Underwater, end	00:10:28		M 4



Inspection report

Date: 20090520	P.O.#: YOTV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 3026	PSR: 90270
Total Pipe Length: 227	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 20 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

1:528	position	observation	MPEG	photo	grade
	<u>223.30</u> F2	Water Level, Sag in pipe, 25 % of cross sectional area, end	00:10:53	10	M 2
	<u>224.40</u>	Broken, from 01 to 04 o'clock, within 8 inch: YES	00:11:26	11, b	S 4
	<u>226.40</u>	Downstream Manhole, Survey Ends 2384-0271	00:12:19	13	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	422E	7	64	71	2.33	2.13	2.15



Inspection report

Date: 20090605	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 3218	PSR: 94818
Total Pipe Length: 331	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 06.05.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: CYPRESS AV	Flow Control: N Not Controlled	Start MH: 2341-0657
City: GLR	Year Renewed:	End MH: 2341-0784
Location Code: C Light Highway	Tape/Media #:	pipe length: 328.65 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8".8"
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 331
Drain. Area: 0657 2341-0784 2341	Lining Method:
	Category:

Remark:: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0784		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	21.80	Roots Fine Joint, at 01 o'clock, within 8 inch: YES	00:01:10	2, b	
	31.35	Roots Fine Joint, at 01 o'clock, within 8 inch: YES	00:01:38	4, b	
	53.45	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:22	6	
	71.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:04	7	
	135.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:57	8	
	138.35	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:13	9	
	154.60	Roots Fine Joint, from 10 to 12 o'clock, within 8 inch: YES	00:06:03	10, b	
	170.10	Roots Fine Joint, from 02 to 09 o'clock, within 8 inch: YES	00:06:43	12, b	
	175.10	Roots Fine Joint, from 04 to 09 o'clock, within 8 inch: YES	00:07:01	14, b	
	186.15	Crack Longitudinal, at 07 o'clock, within 8 inch: YES	00:07:46	16, b	S 2
	222.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:03	18	
	269.75	Fracture Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:10:42	19, b	S 4
	276.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:09	21	
	280.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:30	22	
	328.65	Downstream Manhole, Survey Ends 2341-0657	00:15:07	23	

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



Inspection report

Date: 20090430	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2465	PSR: 90286
Total Pipe Length: 395	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.30.2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: AMELIA AV	Flow Control: N Not Controlled	Start MH: 2384-0292
City: GLR	Year Renewed:	End MH: 2384-0298
Location Code: C Light Highway	Tape/Media #:	pipe length: 389.25 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 395
Drain. Area: 0292 2384-0298 2384	Lining Method:
	Category:

Remark.: **AGAINST THE FLOW**

1:950	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-00298		39	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	205.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:07	40	
	369.70	Fracture Multiple, from 12 to 09 o'clock, within 8 inch: YES	00:13:18	41, b	S 4
	378.90	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:13:53	43, b	S 1
	389.25	Upstream Manhole, Survey Ends 2384-0292	00:14:37	45	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2200	5	4	9	2.5	2	2.25



Inspection report

Date: 20090430	P.O.#: YOTV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2466	PSR: 90293
Total Pipe Length: 225	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.30.2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: AMELIA AV	Flow Control: N Not Controlled	Start MH: 2384-0298
City: GLR	Year Renewed:	End MH: 2384-0301
Location Code: C Light Highway	Tape/Media #:	pipe length: 227.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 225
Drain. Area: 0298 2384-0301 2384	Lining Method:
	Category:

Remark:: **NONE**

1:575	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0298			56
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	5.65	Joint Offset Medium	00:00:45	57, b	S 1
	112.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:16	59	
	178.70	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:04:48	60, b	S 4
	227.40	Downstream Manhole, Survey Ends 2384-0301	00:06:14	62	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2200	5	4	9	2.5	2	2.25



Inspection report

Date: 20090518	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2966	PSR: 672398
Total Pipe Length: 198	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05/18/2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: SWIFTWATER WY	Flow Control: N Not Controlled	Start MH: 2384-0425
City: GLR	Year Renewed:	End MH: 2384-0424
Location Code: C Light Highway	Tape/Media #:	pipe length: 194 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 198
Drain. Area: 0424/2384-0425 2384	Lining Method:
	Category:

Remark:: **BROKEN OFFSET JOINT.**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0425	00:00:00	34	
	0.00	Water Level, 10 % of cross sectional area	00:01:25		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:01:28		M 2
	31.50	Water Level, 5 % of cross sectional area	00:02:43		M 2
	65.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:02	35	
	68.90	Water Level, 10 % of cross sectional area	00:04:21		M 2
	90.00	Water Level, 5 % of cross sectional area	00:05:09		M 2
	115.30	Water Level, 10 % of cross sectional area	00:06:05		M 2
	126.00	Water Level, 5 % of cross sectional area	00:06:31		M 2
	133.60	Tap Factory Made Active, at 01 o'clock, 6", within 8 inch: YES	00:06:56	36	
	167.10	Water Level, 10 % of cross sectional area	00:08:20		M 2
	175.80	Water Level, 5 % of cross sectional area	00:08:47		M 2
	179.20	Tap Factory Made Active, at 01 o'clock, 6", within 8 inch: YES	00:09:02	37	
	191.30	Joint Offset Medium	00:10:00	38, b	S 1
	191.30	Broken, from 08 to 11 o'clock, within 8 inch: YES	00:10:17	40, b	S 4
	194.00	Downstream Manhole, Survey Ends 2384-0424	00:11:22	42	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2900	5	18	23	2.5	2	2.09



Inspection report

Date: 20090313	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 861	PSR: 95553
Total Pipe Length: 104	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/13/2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: EAST PALM DR	Flow Control: N Not Controlled	Start MH: 2340-0121
City: GLR	Year Renewed:	End MH: 2340-0120
Location Code: C Light Highway	Tape/Media #:	pipe length: 186.97 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 104
Drain. Area: 0120 2340-0121 2340	Lining Method:
	Category:

Remark.: **Against the flow**

1:475	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2340-0120		6	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	7.23	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:57	7	
	54.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:47	8	
	56.20	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:02:57	9, b	S 4
	57.41	Tap Factory Made Capped, at 12 o'clock, 6", within 8 inch: YES	00:03:15	11	
	186.97	Upstream Manhole, Survey Ends 2340-0121	00:08:21	12	

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



Inspection report

Date: 20090318	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 969	PSR: 95570
Total Pipe Length: 171	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03/18/2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: PEBBLE SPRINGS LN	Flow Control: N Not Controlled	Start MH: 2340-0140
City: GLR	Year Renewed:	End MH: 2341-0925
Location Code: C Light Highway	Tape/Media #:	pipe length: 199.72 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 171
Drain. Area: 0925 2341-0140 2340	Lining Method:
	Category:

Remark: **Against the flow**

1:500	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0925		3	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	20.88	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:30	4	
	114.31	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:35	5	
	123.34	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:29	6, b	S 4
	142.31	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:46	8	
	188.18	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:53	9	
	190.89	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:07	10	
	193.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:20	11	
	199.72	Upstream Manhole, Survey Ends 2340-0140	00:10:51	12	

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



Inspection report

Date: 20090323	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1016	PSR: 94992
Total Pipe Length: 249	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 23 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: NORTHRIDGE AV	Flow Control: N Not Controlled	Start MH: 2341-0468
City: GLR	Year Renewed:	End MH: 2341-0469
Location Code: C Light Highway	Tape/Media #:	pipe length: 188.27 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 249
Drain. Area: 0468 2341-0469 2341	Lining Method:
	Category:

Remark:: **NONE**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0468			26
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	106.49	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:53		27
	124.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:08		28
	148.74	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:08:45	29, b	S 4
	181.47	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:22		31
	188.27	Downstream Manhole, Survey Ends 2341-0469	00:11:17		32

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



Inspection report

Date: 20090325	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1097	PSR: 95048
Total Pipe Length: 129	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 25 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: 0	Flow Control: N Not Controlled	Start MH: 2341-0407
City: GLR	Year Renewed:	End MH: 2341-0406
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 125.07 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 129
Drain. Area: 0406 2341-0407 2341	Lining Method:
	Category:

Remark:: **NONE**

1:325	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0407		7	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	3.02	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:00:39	8, b	
	15.28	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:12	10	
	16.63	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:01:29	11, b	S 4
	20.53 S1	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES, start	00:01:54	13, b	
	67.63	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:36	15	
	75.82 F1	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES, end	00:03:59	16	
	108.31	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:05	17	
	125.07	Downstream Manhole, Survey Ends 2341-0406	00:06:14	18	

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



Inspection report

Date: 20090327	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1193	PSR: 94975
Total Pipe Length: 226	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: BENNET AV	Flow Control: N Not Controlled	Start MH: 2341-0511
City: GLR	Year Renewed:	End MH: 2341-0510
Location Code: C Light Highway	Tape/Media #:	pipe length: 272.03 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 226
Drain. Area: 0510 2341-0511 2341	Lining Method:
	Category:

Remark:: **TV'D AGAINST THE FLOW**

1:675	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2341-0510		15	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	12.22	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:46	16	
	14.64	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:08	17	
	72.81	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:53	18	
	110.72	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:29	19	
	158.79	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:25	20	
	162.03	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:42	81	
	175.98	Fracture Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:06:19	82, b	S 4
	230.34	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:53	84	
	248.21	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:35	85	
	272.03	Upstream Manhole, Survey Ends 2341-0511	00:09:46	86	

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



Inspection report

Date: 20090326	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1530	PSR: 95538
Total Pipe Length: 161	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 26 2009	Pre-Cleaned: J Jetting	Map Grid #: 2340

Street: LORAIN AV	Flow Control: N Not Controlled	Start MH: 2340-0107
City: GLR	Year Renewed:	End MH: 2340-0108
Location Code: C Light Highway	Tape/Media #:	pipe length: 234.42 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 161
Drain. Area: 0107 2340-0108 2340	Lining Method:
	Category:

Remark:: **None**

1:575	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2340-0107		42	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area			M 2
	18.27	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:58	43	
	66.16	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:39	44	
	91.96	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:03:41	45, b	
	112.54	Roots Fine Joint, from 07 to 09 o'clock, within 8 inch: YES	00:04:24	47, b	
	134.23	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:12	49	
	170.87	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:06:36	50, b	
	176.09	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:56	52, b	S 4
	234.42	Downstream Manhole, Survey Ends 2340-0108	00:09:10	54	

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



Inspection report

Date: 20090330	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1607	PSR: 94632
Total Pipe Length: 249	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 03 30 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: VIRGINIA AV	Flow Control: N Not Controlled	Start MH: 2341-0836
City: GLR	Year Renewed:	End MH: 2341-0835
Location Code: C Light Highway	Tape/Media #:	pipe length: 320.46 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 249
Drain. Area: 0835 2341-0836 2341	Lining Method:
	Category:

Remark:: **None**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0836		68	
	0.00	Water Mark, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	8.33	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:13	69	
	39.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:22	70	
	51.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:54	71	
	90.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:15	72	
	128.91	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:45	73	
	176.39	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:28	74, b	S 4
	178.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:51	76	
	182.82	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:07	77	
	210.83	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:02	78	
	320.46	Downstream Manhole, Survey Ends 2341-0835	00:14:47	79	

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



Inspection report

Date: 20090409	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1660	PSR: 95285
Total Pipe Length: 170	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.09 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: 0	Flow Control: N Not Controlled	Start MH: 2341-0171
City: GLR	Year Renewed:	End MH: 2341-TRNK
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 162.15 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 170
Drain. Area: 0171 2341-TRNK 2341	Lining Method:
	Category:

Remark:: **NONE**

1:400	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0171			119
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	10.80	Fracture Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:00:55	120, b	S 4
	41.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:16	122	
	45.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:35	123	
	57.15	Roots Fine Joint, from 04 to 12 o'clock, within 8 inch: YES	00:03:03	124, b	
	62.30	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:03:20	126, b	
	67.25 S1	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, start	00:03:36	128, b	
	162.15 F1	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, end	00:06:27		
	162.15	Downstream Manhole, Survey Ends 2341-TRNK	00:06:34	130	

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



Inspection report

Date: 20090407	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1696	PSR: 95376
Total Pipe Length: 291	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.07.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: WALNUT AV	Flow Control: N Not Controlled	Start MH: 2341-0140
City: GLR	Year Renewed:	End MH: 2341-0139
Location Code: C Light Highway	Tape/Media #:	pipe length: 291.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 291
Drain. Area: 0139 2341-0140 2341	Lining Method:
	Category:

Remark:: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0140		43	
	<u>0.00</u>	Water Level, 5 % of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	<u>7.90</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:44	44	
	<u>13.95</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:00	45	
	<u>35.90</u>	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:01:49	46, b	
	<u>39.35</u>	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, start	00:02:05	48, b	
	<u>40.75</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:17	50	
	<u>52.20</u> F1	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES, end	00:02:42	51	
	<u>62.70</u>	Fracture Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:03:07	52, b	S 4
	<u>105.70</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:33	54	
	<u>122.00</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:09	55	
	<u>159.10</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:14	56	
	<u>182.20</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:59	57	
	<u>195.30</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:28	58	
	<u>218.55</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:18	59	
	<u>286.15</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:26	60	
	<u>291.30</u>	Downstream Manhole, Survey Ends 2341-0139	00:10:48	61	

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



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1826	PSR: 90405
Total Pipe Length: 170	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: COUNTRY CLUB RD	Flow Control: N Not Controlled	Start MH: 2384-0171
City: GLR	Year Renewed:	End MH: 2384-0172
Location Code: C Light Highway	Tape/Media #:	pipe length: 122.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 170
Drain. Area: 0171 2384-0172 2384	Lining Method:
	Category:

Remark:: **NONE**

1:300	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0171		62	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	22.30	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:01:22	63	
	48.80	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:01:52	126, b	S 4
	75.15	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:02:43	128	
	122.70	Downstream Manhole, Survey Ends 2384-0172	00:04:13	129	

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



Inspection report

Date: 20090416	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1828	PSR: 90406
Total Pipe Length: 117	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04:16 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: PALOMAR DR	Flow Control: N Not Controlled	Start MH: 2384-0173
City: GLR	Year Renewed:	End MH: 2384-0172
Location Code: C Light Highway	Tape/Media #:	pipe length: 142.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 117
Drain. Area: 0172 2384-0173 2384	Lining Method:
	Category:

Remark:: **NONE**

1:350	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0173			118
	0.00	Water Level, 0 % of cross sectional area			M 2
	0.00	Water Mark, 0 % of cross sectional area			M 2
	8.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:43		119
	12.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:56		120
	16.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:13		121
	43.15	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:02:00	122, b	S 4
	63.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:42		124
	142.80	Downstream Manhole, Survey Ends 2384-0172	00:04:50		125

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



Inspection report

Date: 20090407	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1863	PSR: 94651
Total Pipe Length: 283	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.07 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: CRESTVIEW DR	Flow Control: N Not Controlled	Start MH: 2341-0858
City: GLR	Year Renewed:	End MH: 2341-0854
Location Code: C Light Highway	Tape/Media #:	pipe length: 282.21 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 283
Drain. Area: 0854 2341-0858 2341	Lining Method:
	Category:

Remark:: **None**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0858		37	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	82.12	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:02	38	
	165.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:28	39	
	213.44	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:51	40	
	221.17	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:14	41	
	239.04	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:07:57	42, b	S 4
	282.21	Downstream Manhole, Survey Ends 2341-0854	00:09:30	44	

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



Inspection report

Date: 20090413	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 1913	PSR: 94569
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04.13.2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: BENNETT AV	Flow Control: N Not Controlled	Start MH: 2341-0898
City: GLR	Year Renewed:	End MH: 2341-0897
Location Code: C Light Highway	Tape/Media #:	pipe length: 398.46 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0897 2341-0898 2341	Lining Method:
	Category:

Remark:: **Roots**

1:975	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0898		17	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	34.54	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:26	18	
	87.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:05:05	19	
	88.95	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:05:16	20, b	
	100.69	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:17	22	
	102.50	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:40	23, b	S 4
	108.32	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:07	25	
	119.47	Roots Fine Joint, from 03 to 06 o'clock, within 8 inch: YES	00:07:56	26, b	
	200.49 S1	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES, start	00:10:37	28, b	
	212.03	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:13:01	30	
	245.36	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:14:24	31	
	257.91	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:15:22	32	
	317.44	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:17:36	33	
	318.45 F1	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, end	00:17:45		
	376.58	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:19:36	34	
	398.46	Downstream Manhole, Survey Ends 2341-0897	00:21:31	35, b	

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



Inspection report

Date: 20090421	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2001	PSR: 95007
Total Pipe Length: 331	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 21 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: LORAIN AV	Flow Control: N Not Controlled	Start MH: 2341-0480
City: GLR	Year Renewed:	End MH: 2341-0481
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 273.67 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10 10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 331
Drain. Area: 0480 2341-0481 2341	Lining Method:
	Category:

Remark:: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0480			64
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 of cross sectional area			M 2
	14.36	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:53		65
	21.08	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:01:13		66
	26.91	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:30		67
	51.00	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:02:14		68
	55.72	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:30		69
	87.74	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:03:32		70
	103.20	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:04:14		71
	167.96	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:48		72
	213.54	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:09:05		73
	266.85	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:10:53	74, b	S 4
	273.67	Downstream Manhole, Survey Ends 2341-0481	00:11:29		76

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



Inspection report

Date: 20090420	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2048	PSR: 95103
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 20 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: ELWOOD AV	Flow Control: N Not Controlled	Start MH: 2341-0343
City: GLR	Year Renewed:	End MH: 2341-0357
Location Code: C Light Highway	Tape/Media #:	pipe length: 321.06 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 319
Drain. Area: 0343 2341-0357 2341	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2341-0343		37	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area			M 2
	9.94	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:01:01	38, b	
	14.86	Roots Fine Joint, from 07 to 09 o'clock, within 8 inch: YES	00:01:20	40, b	
	57.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:49	42	
	171.97	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:12	43	
	184.72	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:46	44	
	200.59	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:30	45, b	S 4
	248.27	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:21	47	
	275.98	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:38	48	
	321.06	Downstream Manhole, Survey Ends 2341-0357	00:14:13	49	

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



Inspection report

Date: 20090424	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2322	PSR: 90525
Total Pipe Length: 201	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 24 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: LEANING OAK CT	Flow Control: N Not Controlled	Start MH: 2384-0059
City: GLR	Year Renewed:	End MH: 2384-0058
Location Code: C Light Highway	Tape/Media #:	pipe length: 223.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 201
Drain. Area: 0058 2384-0059 2384	Lining Method:
	Category:

Remark: **TVed upstream**

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0058	00:00:00	20	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	80.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:50	21	
	148.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:43	22	
	155.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:00	23	
	218.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:55	24	
	221.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:06	25	
	221.70	Fracture Multiple, from 05 to 11 o'clock, within 8 inch: YES	00:07:26	26, b	S 4
	223.70	Upstream Manhole, Survey Ends 2384-0059	00:07:59	28	

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



Inspection report

Date: 20090424	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2332	PSR: 90537
Total Pipe Length: 250	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 24 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: BRANCH OAK DR	Flow Control: N Not Controlled	Start MH: 2384-0070
City: GLR	Year Renewed:	End MH: 2384-0068
Location Code: C Light Highway	Tape/Media #:	pipe length: 248.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 250
Drain. Area: 0068 2384-0070 2384	Lining Method:
	Category:

Remark.: **TVed upstream**

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0068	00:00:00	62	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 of cross sectional area	00:00:00		M 2
	35.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:26	63	
	89.50	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:05	64, b	S 4
	148.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:16	66	
	186.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:15	67	
	199.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:42	68	
	236.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:10	69	
	244.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:29	70	
	248.20	Upstream Manhole, Survey Ends 2384-0070	00:08:51	71	

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



Inspection report

Date: 20090424	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: B. FUGATE	section number: 2346	PSR: 90008
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 04 24 2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: INVERNESS AV	Flow Control: N Not Controlled	Start MH: 2385-0215
City: GLR	Year Renewed:	End MH: 2385-0210
Location Code: C Light Highway	Tape/Media #:	pipe length: 303.39 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0210 2385-0215 2385	Lining Method:
	Category:

Remark:: **Cracks-FRACTURE**

1:750	position	observation	MPEG	photo	grade
		Upstream Manhole, Survey Begins 2385-0215			36
	0.00				
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	163.14	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:40	37	
	195.77	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:38	38	
	248.47	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:20	39	
	295.46	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:45	40, b	S 4
	303.39	Downstream Manhole, Survey Ends 2385-0210	00:10:21	42	

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



Inspection report

Date: 20090504	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2642	PSR: 90090
Total Pipe Length: 254	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.04.2009	Pre-Cleaned: J Jetting	Map Grid #: 2385

Street: CABALLO AV	Flow Control: N Not Controlled	Start MH: 2385-0054
City: GLR	Year Renewed:	End MH: 2385-0055
Location Code: C Light Highway	Tape/Media #:	pipe length: 240.27 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 254
Drain. Area: 0054 2385-0055 2385	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:600	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2385-0055		53	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 of cross sectional area			M 2
	29.96	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:39	54	
	32.06	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:50	55	
	82.06	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:14	56	
	88.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:30	57	
	138.17	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:57	58	
	140.78	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:10	59	
	141.08	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:05:17	60, b	
	174.44	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:06:26	62, b	
	190.98	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:03	64	
	197.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:23	65	
	214.22	Fracture Multiple, from 11 to 06 o'clock, within 8 inch: YES	00:07:59	66, b	S 4
	232.96	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:09	68	
	234.66	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:21	69	
	240.27	Upstream Manhole, Survey Ends 2385-0054	00:09:45	70	

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



Inspection report

Date: 20090504	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2666	PSR: 94104
Total Pipe Length: 283	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.04.2009	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: PUMA CANYON LN	Flow Control: N Not Controlled	Start MH: 2342-0478
City: GLR	Year Renewed:	End MH: 2342-0477
Location Code: C Light Highway	Tape/Media #:	pipe length: 249.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 283
Drain. Area: 0477 2342-0478 2342	Lining Method:
	Category:

Remark:: **AGAINST FLOW, DEPOSITS, HOLE IN PIPE.**

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2342-0477	00:00:00	42	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	10.10	S1 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, start	00:02:26	43, b	M 2
	23.90	F1 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, end	00:03:08		M 2
	26.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: DEPOSITS	00:03:19	45, b	
	28.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES, Remark: DEPOSITS	00:03:37	47, b	
	30.90	S2 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, start	00:03:50	49, b	M 2
	71.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: DEPOSITS	00:05:36	51, b	
	114.60	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES, Remark: DEPOSITS	00:07:19	53, b	
	126.50	F2 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: NO, end	00:07:57		M 2
	128.90	Hole, from 11 to 12 o'clock, within 8 inch: NO	00:08:25	55, b	S 4
	142.50	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:50	57	
	144.10	Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:10:03	58, b	M 2
	148.00	Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:10:24	60, b	M 2
	230.10	S3 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, start	00:13:40	62, b	M 2
	238.50	F3 Deposits Settled Compacted, 1 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, end	00:14:23		M 2
	240.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:14:40	64	
	242.70	S4 Deposits Settled Compacted, 1 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:14:51	65, b	M 2
	246.60	F4 Deposits Settled Compacted, 1 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:15:16		M 2
	246.60	Deposits Settled Compacted, 10 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES	00:15:19	67, b	M 2
	249.10	Upstream Manhole, Survey Ends 2342-0478	00:16:38	69	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2E00	4	62	66	4	2	2.06



Inspection report

Date: 20090505	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2680	PSR: 24872
Total Pipe Length: 264	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.05 2009	Pre-Cleaned: J Jetting	Map Grid #: 2341

Street: BEAVERBROOK LN	Flow Control: N Not Controlled	Start MH: 2385-0001
City: GLR	Year Renewed:	End MH: 2341-0029
Location Code: C Light Highway	Tape/Media #:	pipe length: 164.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 264
Drain. Area: 0029 2341-0001 2385	Lining Method:
	Category:

Remark:: **FRACTURED JOINT, ROOTS.**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2385-0001	00:00:00	138	
	<u>0.00</u>	Water Level, 5 % of cross sectional area	00:00:00		M 2
	<u>0.00</u>	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	10.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:11	139	
	12.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:30	140	
	35.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:31	141	
	<u>49.40</u> S1	Water Level, Sag in pipe, 10 % of cross sectional area, start	00:04:13	142, b	M 2
	70.40	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:05:20	144	
	<u>74.60</u> F1	Water Level, Sag in pipe, 10 % of cross sectional area, end	00:05:43		M 2
	86.40	Roots Fine Joint, from 10 to 11 o'clock, within 8 inch: YES	00:06:22	145, b	
	91.60	Roots Fine Joint, from 07 to 11 o'clock, within 8 inch: YES	00:06:48	147, b	
	96.40	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:07:18	149, b	
	106.70	Roots Medium Joint, from 06 to 12 o'clock, 15 %, within 8 inch: YES	00:08:07	151	
	112.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:08:40	152, b	
	119.30	Roots Fine Joint, from 08 to 12 o'clock, within 8 inch: YES	00:09:25	154, b	
	124.30	Roots Fine Joint, from 12 to 06 o'clock, within 8 inch: YES	00:10:40	156, b	
	<u>124.30</u>	Fracture Multiple, from 08 to 06 o'clock, within 8 inch: YES	00:10:57	158, b	S 4
	129.20	Roots Fine Joint, from 01 to 10 o'clock, within 8 inch: YES	00:11:37	160, b	
	134.60	Roots Fine Joint, from 07 to 10 o'clock, within 8 inch: YES	00:12:03	162, b	
	144.50	Roots Fine Joint, from 10 to 12 o'clock, within 8 inch: YES	00:12:44	164, b	
	149.50	Roots Fine Joint, from 03 to 11 o'clock, within 8 inch: YES	00:13:22	166, b	
	153.90	Tap Break-In Active, at 11 o'clock, 4", within 8 inch: YES	00:14:02	168, b	
	154.70	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:14:31	170, b	
	164.10	Downstream Manhole, Survey Ends 2341-0029	00:16:09	172	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2700	4	14	18	4	2	2.25



Inspection report

Date: 20090505	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2681	PSR: 94109
Total Pipe Length: 249	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: HUNTERS TR	Flow Control: N Not Controlled	Start MH: 2342-0484
City: GLR	Year Renewed:	End MH: 2342-0483
Location Code: C Light Highway	Tape/Media #:	pipe length: 216.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 249
Drain. Area: 0483 2342-0484 2342	Lining Method:
	Category:

Remark:: **DEPOSITS, BROKEN JOINT.**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2342-0484	00:00:00	37	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	44.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:25	38	
	82.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:23	39	
	119.70 S1	Deposits Settled Compacted, 1 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: YES, start	00:08:07	40, b	M 2
	136.80 F1	Deposits Settled Compacted, 1 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: NO, end	00:09:09		M 2
	139.60	Broken, from 09 to 11 o'clock, within 8 inch: YES	00:09:30	42, b	S 4
	141.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:11	44	
	157.30	Deposits Settled Compacted, 1 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: YES	00:10:54	45, b	M 2
	183.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:13	47	
	216.30	Downstream Manhole, Survey Ends 2342-0483	00:14:07	48	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2600	4	12	16	4	2	2.29



Inspection report

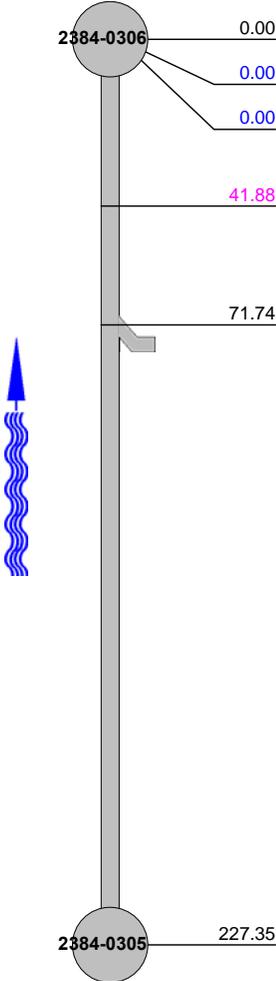
Date: 20090514	P.O.#: YOTV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2821	PSR: 90298
Total Pipe Length: 238	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05/14/2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: AMELIA AV	Flow Control: N Not Controlled	Start MH: 2384-0306
City: GLR	Year Renewed:	End MH: 2384-0305
Location Code: C Light Highway	Tape/Media #:	pipe length: 227.35 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 238
Drain. Area: 0305 2384-0306 2384	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2384-0305		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	41.88	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:21	2, b	S 4
	71.74	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:27	4	
	227.35	Upstream Manhole, Survey Ends 2384-0306	00:09:22	5	



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



Inspection report

Date: 20090518	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: T. TOBIN	section number: 2970	PSR: 672401
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05.18.2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: SWIFTWATER WY	Flow Control: N Not Controlled	Start MH: 2384-0429
City: GLR	Year Renewed:	End MH: 2384-0425
Location Code: C Light Highway	Tape/Media #:	pipe length: 309.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 314
Drain. Area: 0425 2384-0429 2384	Lining Method:
	Category:

Remark:: **FRACTURED JOINT.**

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0429	00:00:00	23	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	16.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:47	24	
	35.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:38	25	
	97.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:47	26	
	177.30	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:43	27	
	187.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:14	28	
	248.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:24	29	
	262.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:00	30	
	307.10	Fracture Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:12:37	31, b	S 4
	309.20	Downstream Manhole, Survey Ends 2384-0425	00:13:47	33	

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



Inspection report

Date: 20090526	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3049	PSR: 90481
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 26 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: POPPY LN	Flow Control: N Not Controlled	Start MH: 2384-0132
City: GLR	Year Renewed:	End MH: 2384-0131
Location Code: C Light Highway	Tape/Media #:	pipe length: 304 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 308
Drain. Area: 0131 2384-0132 2384	Lining Method:
	Category:

Remark:: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0132			286
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	6.01	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:08		287
	8.92	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:24		288
	42.58	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:38		289
	119.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:01		290
	159.11	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:29		291
	167.53	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:06:54	292, b	S 4
	304.00	Downstream Manhole, Survey Ends 2384-0131	00:11:54		294

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



Inspection report

Date: 20090522	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3050	PSR: 90478
Total Pipe Length: 338	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 22 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: SAGE PL	Flow Control: N Not Controlled	Start MH: 2384-0133
City: GLR	Year Renewed:	End MH: 2384-0128
Location Code: D Easement Right of Way	Tape/Media #:	pipe length: 336.76 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 338
Drain. Area: 0128 2384-0133 2384	Lining Method:
	Category:

Remark:: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0133		213	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	61.52	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:25	214	
	87.27	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:22	215	
	114.63	Water Level, 10 % of cross sectional area	00:06:06		M 2
	133.56	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:36	216	
	163.02	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:36	217	
	190.27	Water Level, Sag in pipe, 20 % of cross sectional area	00:08:49		M 2
	209.31	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:31	218	
	212.02	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:44	219	
	228.65	Water Level, 10 % of cross sectional area	00:10:37		M 2
	274.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:57	220	
	290.87	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:12:33	221	
	314.32	Roots Fine Joint, from 01 to 03 o'clock, within 8 inch: YES	00:13:20	222, b	
	332.35	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:14:07	224, b	S 4
	336.76	Downstream Manhole, Survey Ends 2384-0128	00:15:20	226	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2500	4	10	14	4	2	233



Inspection report

Date: 20090527	P.O.#: Y0TV0809C	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 3160	PSR: 95289
Total Pipe Length: 287	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 05 27 2009	Pre-Cleaned: J Jetting	Map Grid #: 2384

Street: ZARA ST	Flow Control: N Not Controlled	Start MH: 2384-0122
City: GLR	Year Renewed:	End MH: 2341-0174
Location Code: C Light Highway	Tape/Media #:	pipe length: 294.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 287
Drain. Area: 0122 2384-0174 2341	Lining Method:
	Category:

Remark:: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2384-0122		1	
	0.00	Water Level, 10 of cross sectional area			M 2
	0.00	Water Mark, 15 of cross sectional area	00:00:45		M 2
	48.19	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:52	23	
	50.70	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:04	24	
	97.89	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:03:35	25	
	100.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:13	26	
	147.49	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:35	27	
	150.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:47	28	
	184.16	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: YES	00:06:47	29	
	197.39	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:12	30	
	199.79	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:07:25	31	
	247.29	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:41	32	
	248.49	Fracture Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:08:57	33, b	S 4
	249.89	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:26	35	
	262.12	Water Level, 15 % of cross sectional area	00:09:52		M 2
	285.06	Water Level, 20 % of cross sectional area	00:10:44		M 2
	291.87	Water Level, 10 % of cross sectional area	00:11:05		M 2
	294.38	Downstream Manhole, Survey Ends 2341-0174	00:11:28	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2500	4	10	14	4	2	2.33