



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE

SM-0

June 3, 2009

Mr Dave Davies, Director of Public Works
City of Glendora
116 East Foothill Boulevard
Glendora, CA 91741

Attention Mr Stan Scholl

Dear Mr Davies

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORTS PROJECTS Y0TV0506D AND Y0TV0708F

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 (CCTV) inspection of 171,109 feet or approximately 23.1 percent of the City of Glendora's sewer system as part of two inspection projects titled Y0TV0506D and Y0TV0708F

The enclosed reports for each of the respective inspection projects outline the structural and maintenance ratings of your system based on the Pipeline Assessment and Certification Program's rating methodology. Included in the reports are the following

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

Mr Dave Davies
June 3, 2009
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 at rswartz@dpw.lacounty.gov

Very truly yours,

GAIL FARBER
Director of Public Works



for DIEGO CADENA
Deputy Director

FV:ag
1697

Enc.

bc. Programs Development (Ariki)

bc: KL, RS, File (Project Y0TV0506D, Project Y0TV0708F), SPINDLE

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

PROJECT NAME:	Y0TV0708F	PROJECT MGR:	Kari Eskridge
PROJECT DATE:	10/22/07-12/24/07	CONTACT NO:	(626) 300-3390
SUP DISTRICT(s):	5	MAP PAGE(S):	2342,2341,2299
Report By:	Hanna Kebede	Report Date:	05/05/2009

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television (CCTV) inspection of 97,704 feet or approximately 13.2 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 Y0TV0708F included sewer lines located in the Unincorporated County of Los Angeles area and the City of Glendora. Enclosed for your reference is an overview map of the project area (Enclosure 1).

DEFECT GRADE DESCRIPTION

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

Grade	Description	Estimate time to Failure
1:	EXCELLENT: Minor Defects.	Unlikely in the foreseeable future
2:	GOOD: Defects that have not begun to deteriorate.	20 years or more
3:	FAIR: Moderate defects that will continue to deteriorate.	10 to 20 years
4:	POOR: Sever 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 96 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 4 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 is a color-coded map showing the quick maintenance rating for each pipe segment.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	786	0.8	4
2: Good	88,771	90.8	366
3: Fair	4,278	4.4	17
4: Poor	3,633	3.8	13
5: Immediate Attention	236	0.2	1
TOTAL	97,704	100.0	401

STRUCTURAL REPORT

Our inspection revealed that approximately 98.3 percent of the inspected pipe segments within the City of Glendora were free of severe structural defects. However, the remaining 1.7 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 7 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection reports for these seven segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	89,737	91.8	369
2: Good	2,035	2.0	8
3: Fair	4,266	4.5	17
4: Poor	520	0.5	2
5: Immediate Attention	1,146	1.2	5
TOTAL	97,704	100.0	401

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	COMPLETE
2007-2008	Y0TV0708F	97,704	13.2	COMPLETE
2008-2009	Y0TV0809C	306,149	41.3	IN PROGRESS
2010-2011		167,162	22.6	
2011-2012		96,443	13.0	
TOTAL		740,863	100.0	

ENCLOSURE 1:

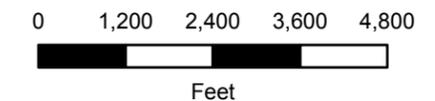
Project Overview Map

ENCLOSURE 1

CCTV PROJECT YOTV0708F

Supervisorial District 5 GLENORA

PROJECT OVERVIEW



Legend

SMD Sanitary Sewers

SMD Sanitary Sewers

SMD Manholes

Other

MH Type

Standard

Siphon

Trap

Shallow

Drop

SMD Pump Stations

SMD Treatment Plants

Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

Trunk Mh

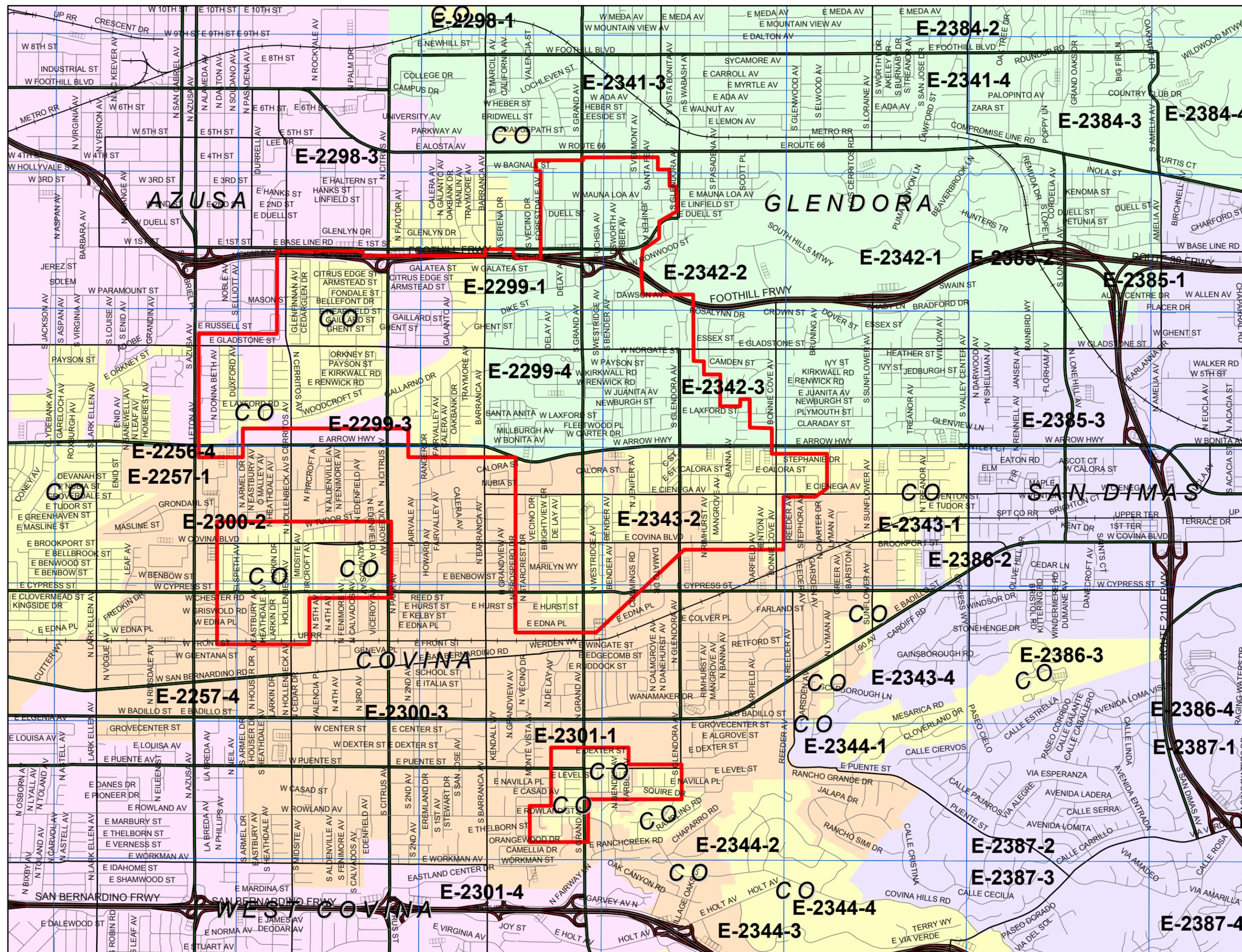
Non SMD Maintained MH

SMD Operations Maps

YOTV0708F

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ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0708F)
as of 12/24/07

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5133	2342-0105	2342-0106	WASHINGTON AV	Roots	Rodder (completed: 03/11/09)
2	4221	2342-0013	2342-0014	PENNSYLVANIA AV	Roots	Rodder (completed: 03/10/09)
3	4221	2299-0578	2299-0579	GLADSTONE ST	Roots	Rodder (completed: 03/18/09)
4	4131	2299-0450	2299-0451	FORESTDALE AV	Roots	Rodder (completed: 03/12/09)
5	4122	2342-0134	2342-0139	EASEMENT BYGRAND AV	Roots	Rodder (completed: 03/11/09)
6	4121	2299-0481	2299-0477	FORESTDALE AV	Roots	Rodder (completed: 04/07/09)
7	4121	2299-0484	2299-TRNK	BRIGHTVIEW DR	Roots	Rodder (completed: 01/30/09)
8	4121	2299-0531	2299-0536	PROSPERO DR	Root balls	Rodder (completed: 04/07/09)
9	4121	2342-0073	2342-0074	FARBER AV	Grease	Siphon (completed: 08/25/08)
10	4121	2342-0104	2299-0579	GLADSTONE ST	Roots	Rodder (completed: 03/18/09)
11	4121	2299-0585	2299-0587	GRAND AV	Roots	Rodder (completed: 01/26/09)

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

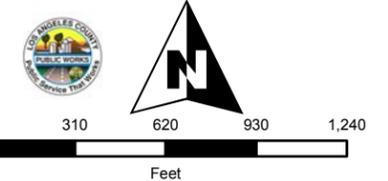
Item	QMR	Start MH	End MH	Street	Observation
1	4131	2299-0576	2299-0577	GRAND AV	Root ball in lateral connection
2	4121	2342-0007	2342-0008	BENDER AV	Root ball in lateral connection
3	4121	2342-0024	2342-0025	HALTERN AV	Root ball in lateral connection

ENCLOSURE 2

CCTV PROJECT

YOTV0708F

Supervisorial District 5
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)

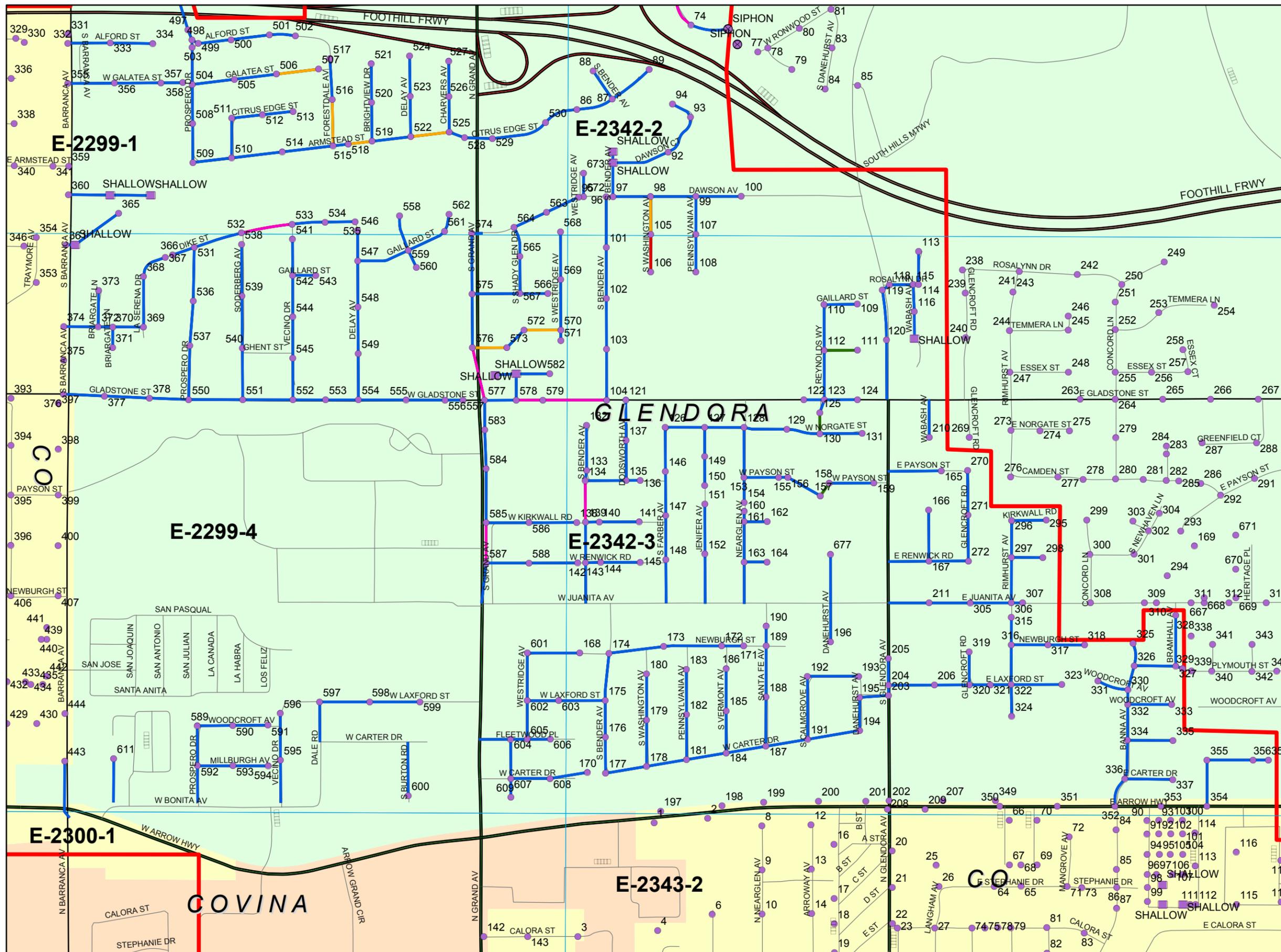
SMD Manholes

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

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- SMD Pump Stations (Red square with 'P')
- SMD Treatment Plants (Red square with 'WTP')
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- YOTV0708F (Red outline)

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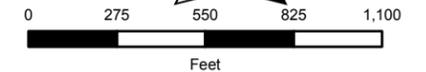


ENCLOSURE 2

CCTV PROJECT

YOTV0708F

Supervisory District 5
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

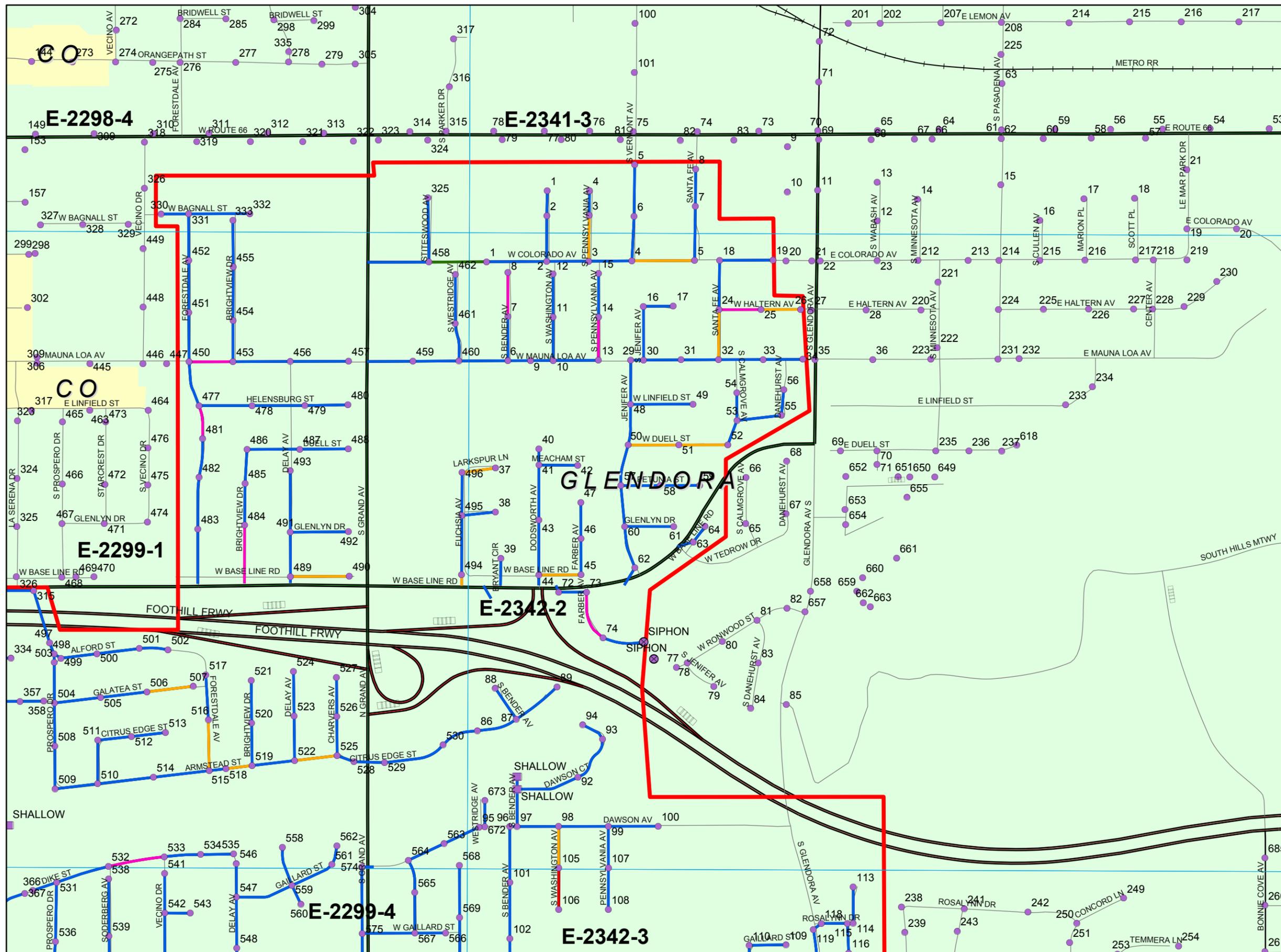
- Other (Circle with dot)
- Standard (Purple circle)
- DROP (Purple triangle)
- Shallow (Purple square)
- Trap (Purple diamond)
- Siphon (Purple circle with cross)

Maintained by Others:

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- SMD Pump Stations (Red square with 'P')
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- Non SMD Sanitary Sewers (Dashed green line)
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ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF GLENDORA (Y0TV0708F)

as of 12/24/07

Item No.	QSR	Start MH	End MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5233	2299-0512	2299-0513	Citrus St	Broken with soil visible and fractures: 53'-68'	Emergency Point Repair (completed: 12/12/07)	
2	5100	2342-0326	2342-0327	Plymouth St	Broken with soil visible: 20'	Lining: MH to MH	268
3	5100	2342-0087	2342-0089	Citrus Edge	Hole with soil visible: 189'	Structural integrity in tact. No action needed.	
4	5100	2342-0005	2341-0007	Santa Fe Av	Broken: 260'	Structural integrity in tact. No action needed.	
5	5100	2342-0158	2342-0159	Payson St	Broken with soil visible: 74'	Structural integrity in tact. No action needed.	
6	4131	2342-0139	2342-0143	Easement by Grand Av	Fracture: 18'; crack: 102'	Structural integrity in tact. No action needed.	
7	4100	2342-0121	2342-0137	Dodsworth Av	Fractures: 233'	Structural integrity in tact. No action needed.	

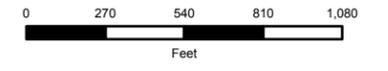
ENCLOSURE 3

CCTV PROJECT

YOTV0708F

Supervisorial District 5
GLENDDORA

**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)

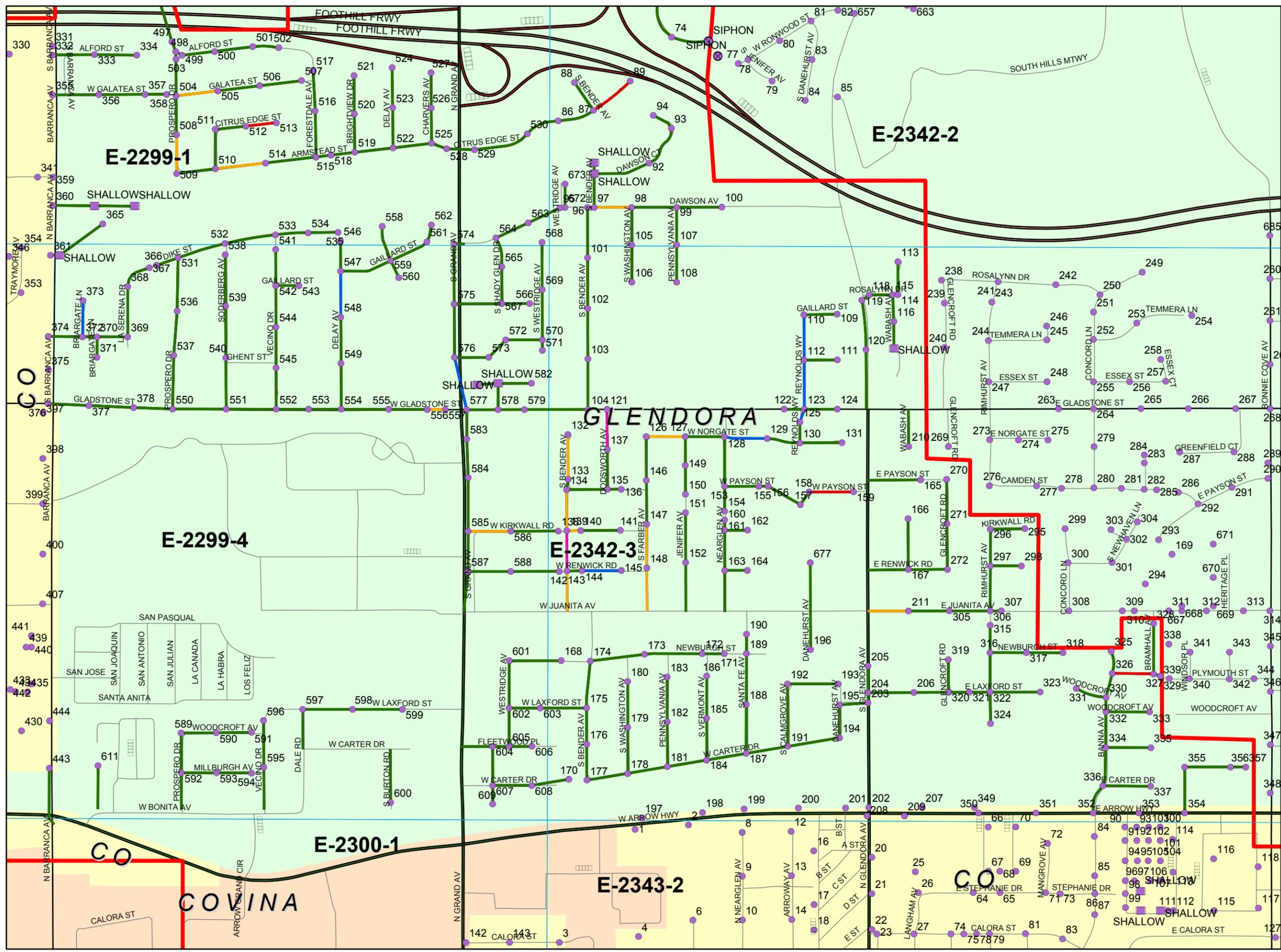
SMD Manholes

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

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- SMD Pump Stations (Red 'P' in square)
- SMD Treatment Plants (Red 'WTP' in square)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- YOTV0708F (Red outline)

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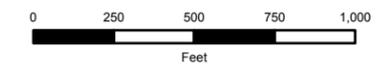
ENCLOSURE 3

CCTV PROJECT

YOTV0708F

Supervisorial District 5
GLENDDORA

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

Other

Manhole Type

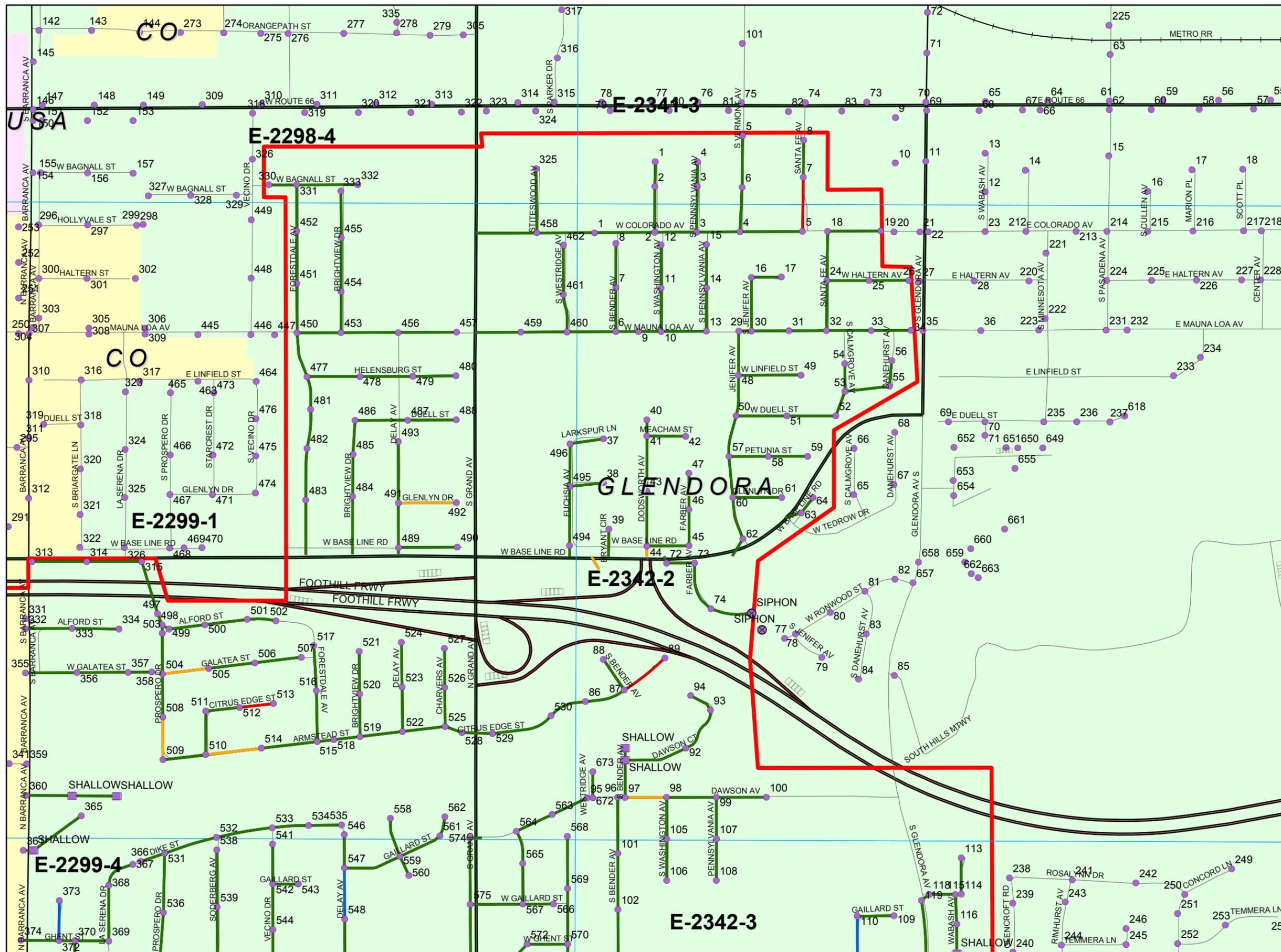
- Standard
- DROP
- Shallow
- Trap
- Siphon

Maintained by Others:

- Trunk Sewerlines
- SMD Pump Stations
- SMD Treatment Plants
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- YOTV0708F

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ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20071116	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: J SALAS	section number: 608	PSR: 94197
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071116	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: PLYMOUTH ST	Flow Control: N Not Controlled	Start MH: 2342-0326
City: GLR	Year Renewed:	End MH: 2342-0327
Location Code: PSR#94197	Tape/Media #: 1	pipe length: 267.34 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 271
Drain. Area: 2342	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2342-0327		256, b	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	20.39	Broken Soil Visible, from 12 to 04 o'clock, within 8 inch: YES	00:01:21	258, b	S 5
	54.33	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:33	260	
	66.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:57	261	
	79.64	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:25	262	
	109.16	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:22	263	
	155.46	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:42	264	
	168.21	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:11	265	
	180.87	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:37	266	
	210.29	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:31	267	
	267.34	Downstream Manhole, Survey Ends 2342-0326	00:09:22	268	

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



Inspection report

Date: 20071116	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: R HALL	section number: 698	PSR: 94444
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071109	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 2342

Street: CITRUS EDGE	Flow Control: N Not Controlled	Start MH: 2342-0087
City: GLR	Year Renewed:	End MH: 2342-0089
Location Code: C Light Highway	Tape/Media #: 1	pipe length: 258.39 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 267
Drain. Area: 2342	Lining Method:
	Category:

Remark **2342-0087 US TO 2342-0089**

1:650	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2342-0087		788, b	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 25 % of cross sectional area			M 2
	24.85	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:33	790, b	
	64.57	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:56	792, b	
	107.79	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:28	794, b	
	134.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:35	796, b	
	170.46	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:54	798, b	
	176.45	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:17	800, b	
	189.33	Hole, at 01 o'clock, within 8 inch: NO	00:09:30	802, b	S 5
	253.10	Tap Factory Made Active, at 02 o'clock, 6" within 8 inch: NO	00:11:55	804, b	
	258.39	Upstream Manhole, Survey Ends 2342-0089	00:13:14	806	

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



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

Inspection report

Date: 20071119	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: R HALL	section number: 843	PSR: 98026
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071126	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 2299

Street: CITRUS ST	Flow Control: N Not Controlled	Start MH: 2299-0512
City: GLR	Year Renewed	End MH: 2299-0513
Location Code: C Light Highway	Tape/Media #: 1	pipe length: 71.26 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 202
Drain. Area: 2299	Lining Method:
	Category:

Remark:: **2299-0512 US TO 2299-0513**

1:175	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2299-0512		179, b	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 25 % of cross sectional area			M 2
	5.09	Tap Factory Made Active, at 02 o'clock, 6" within 8 inch: NO	00:00:52	181, b	
	10.58	Tap Factory Made Active, at 10 o'clock, 6" within 8 inch: NO	00:01:25	183, b	
	49.90	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: NO	00:03:14	185, b	
	53.79	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:39	187, b	S 3
	55.59	Broken Soil Visible, from 07 to 10 o'clock, within 8 inch: YES	00:04:01	189, b	S 5
	56.49	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:24	191, b	S 3
	65.87	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:02	193, b	S 3
	68.76	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:05:18	195, b	S 4
	71.26	Survey Abandoned, Remark: PIPE FAILURE	00:09:56	197	

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



Inspection report

Date: 20071128	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: RHALL	section number: 866	PSR: 95484
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071120	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 2341

Street: SANTA FE AV	Flow Control: N Not Controlled	Start MH: 2342-0005
City: GLR	Year Renewed:	End MH: 2341-0007
Location Code: C Light Highway	Tape/Media #: 1	pipe length: 275.86 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 320
Drain. Area: 2341	Lining Method:
	Category:

Remark: **2341-0007 DS TO 2342-0005**

1:675	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2342-0005		10414, b	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 25 % of cross sectional area			M 2
	18.46	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:24	10416, b	
	36.13	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:07	10418, b	
	69.06	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:21	10420, b	
	86.53	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:04	10422, b	
	124.55	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:05:23	10424, b	
	147.21	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:15	10426, b	
	210.68	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:12	10428, b	
	228.35	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO	00:09:00	10430, b	
	260.89	Broken, at 10 o'clock, within 8 inch: YES	00:10:36	10432, b	S 4
	275.86	Upstream Manhole, Survey Ends 2341-0007	00:13:32	10434	

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



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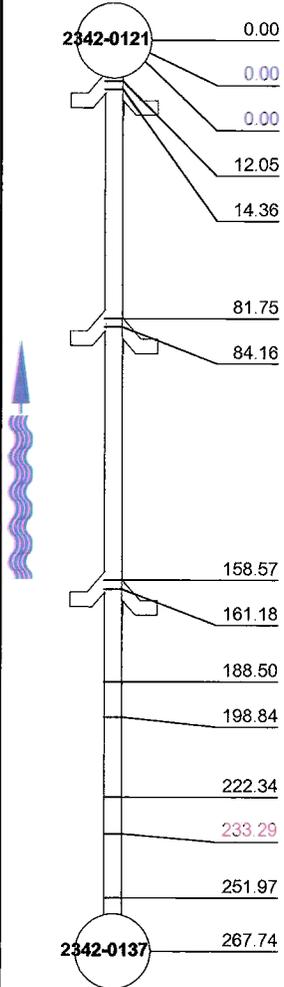
Inspection report

Date: 20071205	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: J SALAS	section number: 1018	PSR: 94475
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071205	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: DODSWORTH AV	Flow Control: N Not Controlled	Start MH: 2342-0121
City: GLR	Year Renewed:	End MH: 2342-0137
Location Code: C Light Highway	Tape/Media #: 1	pipe length: 267.74 ft
Reason for inspection: F Routine Assessment		Dia/Height: C 8/8
Use of Sewer: SS Sanitary		Material: VCP Pipe Length: 261
Drain. Area: 2342		Lining Method:
		Category:

Remark: **A THE FLOW**

1 675	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2342-0137		451. b	
	0.00	Water Level, 5 of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area			M 2
	12.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:42	453	
	14.36	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:51	454	
	81.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:31	455	
	84.16	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:42	456	
	158.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark:	00:04:27	457	
	161.18	Roots	00:04:43	458	
	188.50	Roots Fine Joint, from 08 to 11 o'clock, within 8 inch: YES	00:05:26	459	
	198.84	Roots Fine Joint, from 02 to 05 o'clock, within 8 inch: YES	00:05:50	460, b	
	222.34	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:06:33	462, b	
	233.29	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:07:03	464, b	S 4
	251.97	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:07:42	466, b	
	267.74	Upstream Manhole, Survey Ends 2342-121	00:08:38	468	



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



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Inspection report

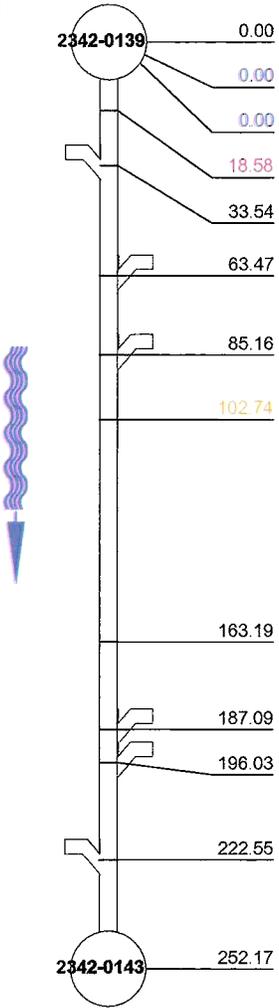
Date: 20071206	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: J SALAS	section number: 1033	PSR: 94373
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071206	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street:	Flow Control: N Not Controlled	Start MH: 2342-0139
City: GLR	Year Renewed:	End MH: 2342-0143
Location Code: D Easement/Right of Way	Tape/Media #: 1	pipe length: 252.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 263
Drain. Area: 2342	Lining Method:
	Category:

Remark:: **ROOTS**

1.625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2342-0139		588, b	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	18.58	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:01:08	590, b	S 4
	33.54	Tap Factory Made Active, at 02 o'clock, 4" within 8 inch: YES, Remark: Roots	00:01:43	592	
	63.47	Tap Factory Made Active, at 09 o'clock, 4" within 8 inch: YES	00:02:38	593	
	85.16	Tap Break-In Active, at 10 o'clock, 4" within 8 inch: YES	00:03:28	594	
	102.74	Crack Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:04:06	595, b	S 3
	163.19	Roots Fine Joint, from 08 to 03 o'clock, within 8 inch: YES	00:05:31	597 b	
	187.09	Tap Factory Made Active, at 10 o'clock, 4" within 8 inch: YES	00:07:09	599	
	196.03	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:24	600	
	222.55	Tap Factory Made Active, at 02 o'clock, 4" within 8 inch: YES	00:11:06	601	
	252.17	Downstream Manhole, Survey Ends 2342-0143	00:12:08	602	



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



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Inspection report

Date: 20071206	P.O.#: Y0TV0708F	Weather: 1 Dry	Surveyed By: J SALAS	section number: 1046	PSR: 94389
Total Pipe Length:	Survey Customer: LACDPW	System Owner: GLR	Clean Date: 20071206	Pre-Cleaned: J Jetting	Map Grid #: 2342

Street: PAYSON ST	Flow Control: N Not Controlled	Start MH: 2342-0158
City: GLR	Year Renewed:	End MH: 2342-0159
Location Code: C Light Highway	Tape/Media #: 1	pipe length: 273.06 ft

Reason for inspection: F Routine Assessment	Dia/Height: C 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 291
Drain. Area: 2342	Lining Method:
	Category:

Remark **A THE FLOW MH # REVERSED ON MAP**

1:675	position	observation	MPEG	photo	grade
	2342-0158	Downstream Manhole, Survey Begins 2342-0158			500, b
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	13.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:09	502	
	66.48	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:29	503	
	73.91	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:56	504	
	74.42	Broken Soil Visible, from 01 to 03 o'clock, within 8 inch: YES	00:03:02	505, b	S 5
	122.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:19	507	
	129.55	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:35	508	
	177.65	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:45	509	
	185.39	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:06:03	510	
	233.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:14	511	
	236.10	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:24	512	
	263.82	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:08:06	513	
	266.43	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:08:17	514	
	273.06	Upstream Manhole, Survey Ends 2342-0159	00:08:51	515	

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