



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

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:	Y0TV0506D	PROJECT MGR	Kari Eskridge
PROJECT DATE:	4/17/06-8/14/06	CONTACT NO:	(626) 300-3390
SUP DISTRICT(s):	5	MAP PAGE(S):	2297, 2298, 2299
Report By:	Phyo Kyaw	Report Date	05/20/2009

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 73,405 feet or 9.9 percent of the City of Glendora's sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0506D included sewer lines located in the Unincorporated County of Los Angeles area and in the Cities of Glendora, Bradbury, Duarte, La Canada Flintridge, 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: 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 93.3 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 6.7 percent of the inspected pipe segments within the City of Glendora area had a PACP maintenance grade of 4 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	44,720	60.9	195
2: Good	14,043	19.1	58
3: Fair	9,747	13.3	36
4: Poor	4,895	6.7	20
5: Immediate Attention	0	0.0	0
TOTAL	73,405	100	309

STRUCTURAL REPORT

Our inspection revealed that approximately 96.2 percent of the inspected pipe segments within the City of Glendora were free of severe structural defects. However, the remaining 3.8 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 9 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 nine segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	56,693	77.2	244
2: Good	7,260	9.9	28
3: Fair	7,407	10.1	28
4: Poor	1,132	1.6	4
5: Immediate Attention	913	1.2	5
TOTAL	73,405	100	309

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

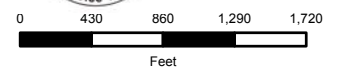
ENCLOSURE 1

CCTV PROJECT

Y0TV0506D

Supervisorial District 5
Glendora

PROJECT OVERVIEW



Legend

SMD Manholes

Other

MH Type

Standard

DROP

Shallow

Trap

Siphon

SMD Pump Satations

SMD Treatment Plants

Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

Trunk Mh

DPW SMD.nosmd.mh

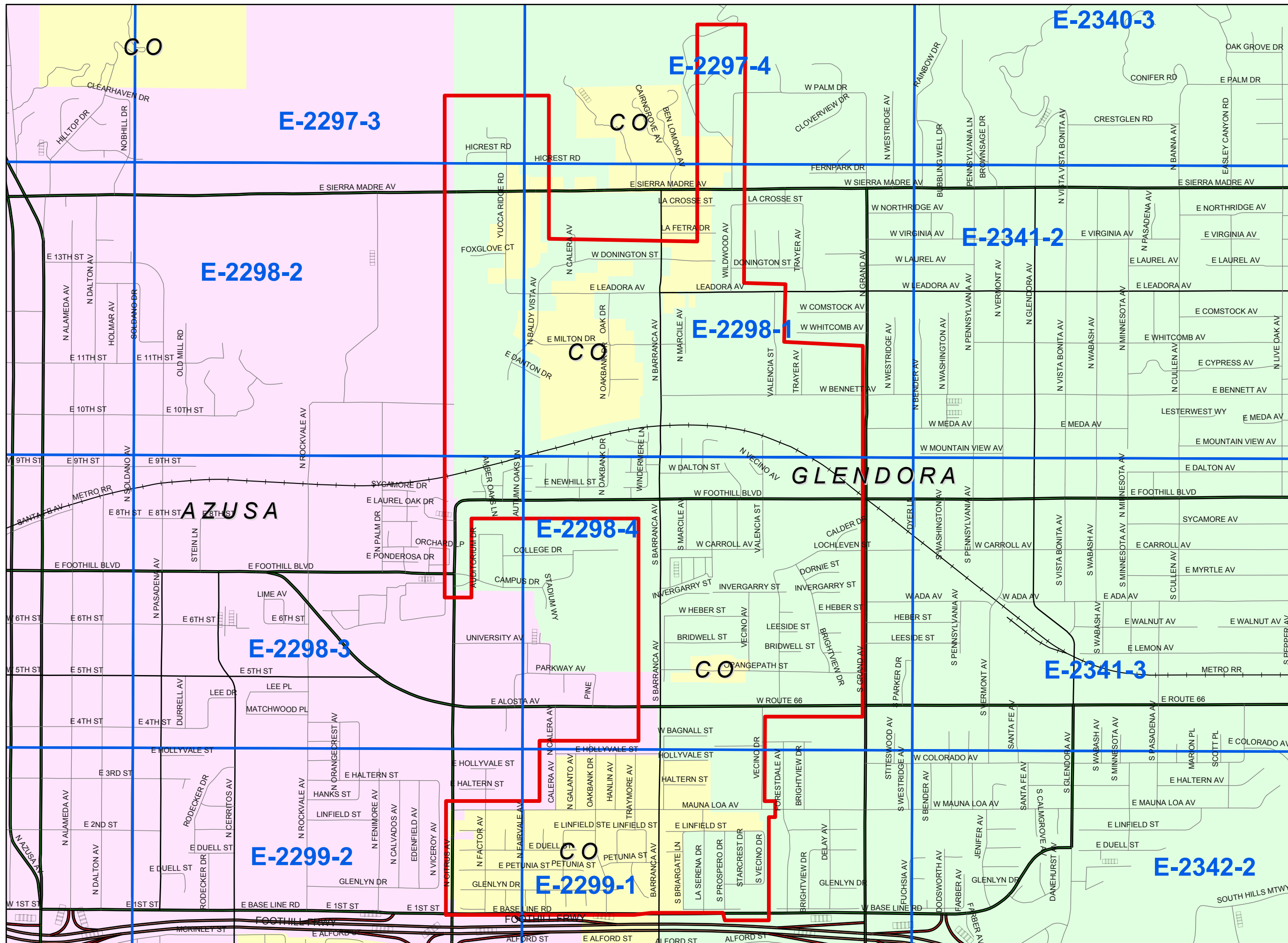
Parcel Boundary

SMD Operations Maps

CCTV PROJECT AREA

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ENCLOSURE 2:

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

ENCLOSURE 2
 QUICK MAINTENANCE RATING REPORT PRIORITY LIST
 CITY OF GLENDORA (Y0TV0506D)
 as of 8/14/06

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	4434	2298-0131	2298-0130	CALIFORNIA AV	Root ball	Rodder (completed: 8/11/08)
2	4236	2298-0244	2298-0245	WILDWOOD AV	Root ball	Rodder (completed: 7/14/08)
3	4233	2298-0018	2298-0019	CITRUS AVE	Root ball	Rodder (completed: 3/23/09)
4	4135	2298-0237	2298-0247	VALLENCIA ST	Sag in pipe	Hydrojet (completed: 7/09/08)
5	4134	2298-0235	2298-0236	BENNETT AV	Roots	Hydrojet (completed: 7/09/08)
6	4133	2298-0055	2298-0054	MARCILE AV	Roots	Hydrojet (completed: 7/09/08)
7	4131	2298-0051	2298-0052	MARCILE AV	Roots	Rodder on a 180-Day Periodic (completed: 7/09/08)
8	4123	2298-0136	2298-0135	HEBER ST	Sag in pipe	Hydrojet (completed: 7/09/08)
9	4123	2298-0081	2298-0080	CALERA AVE	Root ball	Rodder (completed: 3/23/09)
10	4122	2298-0248	2298-0249	VALLENCIA ST	Root ball	Rodder (completed: 7/24/08)
11	4121	2298-0230	2298-0229	WILDWOOD AV	Roots	Rodder (completed: 3/23/09)
12	4121	2298-0291	2298-0290	INVERGARRY ST	Root ball	Rodder (completed: 3/23/09)
13	4121	2298-0055	2298-0054	MARCILE AV	Root ball	Rodder (completed: 3/23/09)
14	4121	2298-0017	2298-0018	CITRUS AVE	Root ball	Rodder (completed: 3/23/09)
15	4115	2298-0228	2298-0229	WILDWOOD AV	Roots	Hydrojet (completed: 7/09/08)
16	4115	2298-0017	2298-0016	CITRUS AV	Sag in pipe	Hydrojet (completed: 7/09/08)
17	4111	2298-0245	2298-0246	WILDWOOD AV	Root ball	Rodder (completed: 7/24/08)
18	4100	2298-0321	2298-0322	ALOSTA AV	Construction debris at MH 2298-0322	Clean MH (completed: 7/09/08)
19	4100	2298-0359	2298-0355	ENGLISH OAKS PL	Debris	Remove debris, Hydrojet (completed: 3/20/09)

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

Item No.	QMR	Start MH	End MH	Street	Observation
1	4231	2298-0123	2298-0120	BARRANCA AV	Roots in lateral

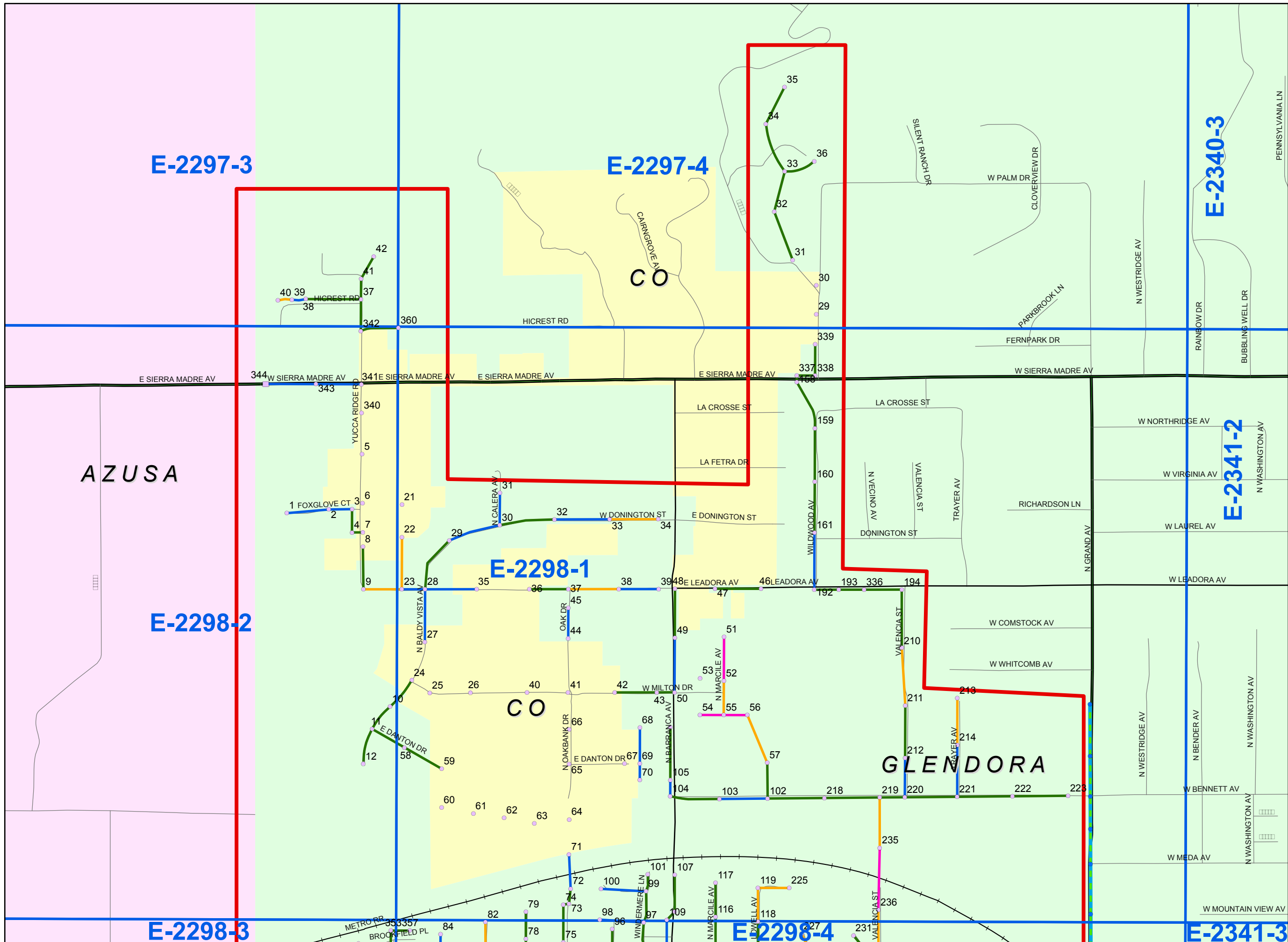
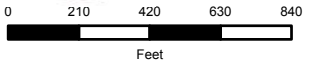
ENCLOSURE 2

CCTV PROJECT

Y0TV0506D

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)

SMD Manholes

Other (Purple dot)

MH Type

- Standard (Purple dot)
- DROP (Purple triangle)
- Shallow (Purple square)
- Trap (Purple diamond)
- Siphon (Purple circle with cross)
- SMD Pump Stations (Red square with 'P')
- SMD Treatment Plants (Black rectangle with 'WTP')

Maintained by Others:

- Trunk Sewerlines (Thick green line)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue dot)
- DPW SMD.nosmd.mh (Green dot)
- Parcel Boundary (Thin grey line)
- SMD Operations Maps (Blue outline)
- CCTV PROJECT AREA (Red outline)

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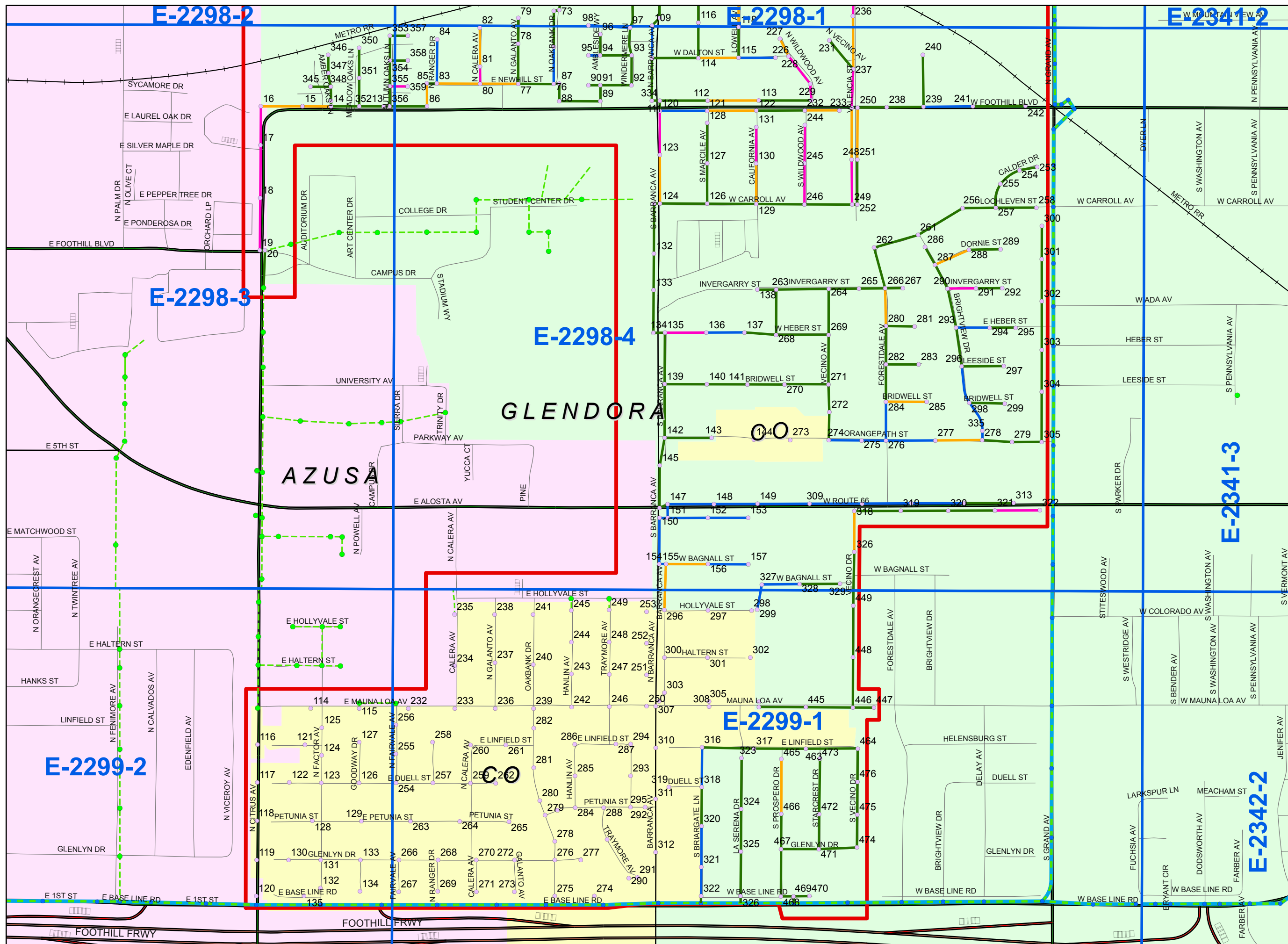
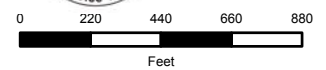
ENCLOSURE 2

CCTV PROJECT

Y0TV0506D

Supervisorial District 5
Glendora

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

SMD Pump Stations

SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW SMD.nosmd.mh
- Parcel Boundary
- SMD Operations Maps
- CCTV PROJECT AREA

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ENCLOSURE 3:

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

ENCLOSURE 3
 QUICK STRUCTURAL RATING REPORT PRIORITY LIST
 CITY OF GLENDORA (Y0TV0506D)
 as of 8/14/06

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5142	2298-0220	2298-0219	BENNETT AV	Broken: 156'-166'; hole with soil visible 170'; multiple fractures	Lining: MH to MH	172
2	5111	2298-0237	2298-0247	VALLENCIA ST	Broken with soil visible: 164', 252'	Lining: MH to MH	281
3	5111	2298-0100	2298-0099	ASHWORTH PL	Broken with soil visible: 55'	Lining: MH to MH	278
4	5100	2298-0355	2298-0356	AUTUMN OAKS LN	Broken with soil visible: 120'	Lining: MH to MH	125
5	5100	2298-0348	2298-0349	AMBER OAKS LN	Broken with soil visible: 84'	Lining: MH to MH	89
6	4238	2298-0263	2298-0268	EASEMENT BETWEEN HEBER ST AND INVERGARRY	Fractures: 102'; multiple cracks	Lining: MH to MH	302
7	4139	2298-0269	2298-0268	HEBER ST	Multiple fractures and cracks	Lining: MH to MH	350
8	4132	2298-0268	2298-0137	HEBER ST	Fractures: 62', 95', 145'; multiple cracks	Lining: MH to MH	211
9	4121	2298-0008	2298-0009	YUCCA RIDGE RD	Broken with gasket visible: 303'; joint offsets	Emergency Project (Point Repair) by SMD East Yard: completed 3/26/09	-

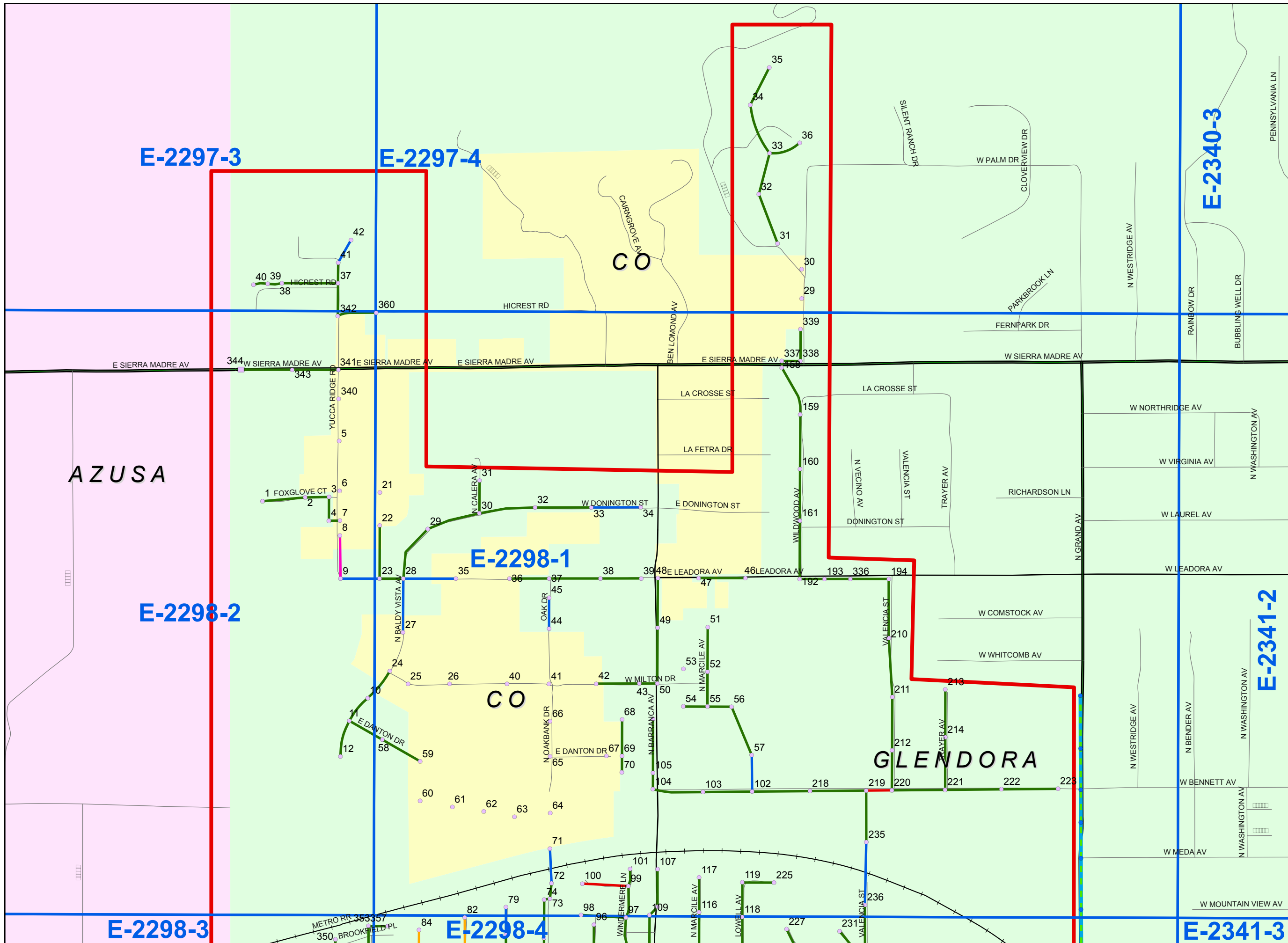
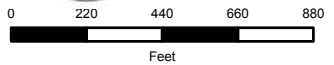
ENCLOSURE 3

CCTV PROJECT

Y0TV0506D

Supervisorial District 5
Glendora

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

Other

MH Type

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

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- DPW: SMD.nosmd.mh
- Parcel Boundary
- SMD Operations Maps
- CCTV PROJECT AREA

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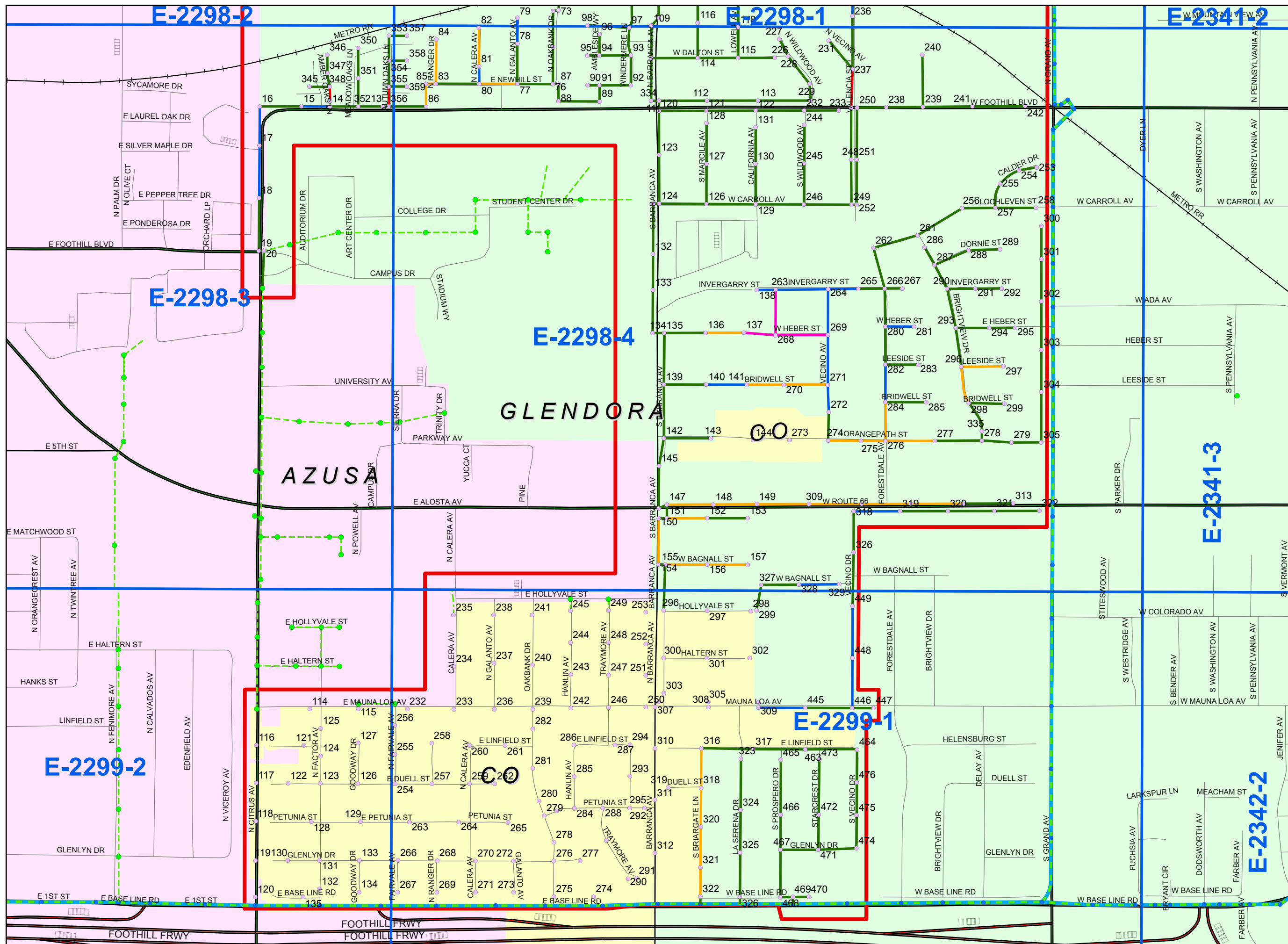
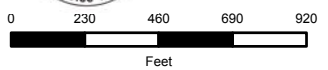
ENCLOSURE 3

CCTV PROJECT

Y0TV0506D

Supervisorial District 5
Glendora

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

Other

MH Type

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

Maintained by Others:

- Trunk Sewerlines
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ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



National Plant Services, INC.
 1461 Harbor Avenue
 Long Beach, CA 90813-2741
 Tel: (800) 445-3614, Fax: (562) 495-1528

Inspection report

Date: 20060817	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 539	PSR: 98732
Total Pipe Length: 159.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: BENNETT AV	Flow Control: N Not Controlled	Start MH: 2298-0220
City: GLR	Year Renewed	End MH: 2298-0219
Location Code: C Light Highway	Tape/Media #: R004	pipe length: 172.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0220	00:00:46	386	
	18.50	Water Level, 5 %, within 8 inch: NO	00:01:47	387	M 2
	23.50	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:25	388	
	45.50	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:03:30	389	
	119.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:24	390	
	156.00	Crack Longitudinal, at 4 o'clock, within 8 inch NO	00:09:07	391	S 2
	158.00 S1	Fracture Multiple, from 9 to 12 o'clock, within 8 inch: NO, Start	00:10:08	392	S 4
	163.50 F1	Fracture Multiple, from 9 to 12 o'clock, within 8 inch: NO, End	00:13:16	393	S 4
	169.90	Broken Soil Visible, from 9 to 1 o'clock, within 8 inch: NO	00:14:58	394	S 5
	172.30	Manhole, within 8 inch: NO, Remarks: 2298-0219	00:15:42	395	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	2100	15	2	17	3.75	2	3.4



National Plant Services, INC.
 1461 Harbor Avenue
 Long Beach, CA 90813-2741
 Tel: (800) 445-3614, Fax: (562) 495-1528

Inspection report

Date: 20060818	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 550	PSR: 98746
Total Pipe Length: 257.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: VALLENCIA ST	Flow Control: N Not Controlled	Start MH: 2298-0237
City: GLR	Year Renewed:	End MH: 2298-0247
Location Code: C Light Highway	Tape/Media #: R005	pipe length: 280.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10/10
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark:.

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0237	00:00:45	536	
	14.30	Water Level, 5 %, within 8 inch: NO	00:04:53	537	M 2
	19.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint length 5'	00:05:32	538	
	72.10	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:07:35	539	
	80.30	Tap Factory Active, at 3 o'clock, 6" within 8 inch: NO	00:08:20	540	
	86.40	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:09:00	541	
	132.50 S1	Water Level Sag, 40 %, within 8 inch: NO, Start	00:10:55	542	M 3
	141.60	Camera Underwater, within 8 inch: NO	00:11:34	543	M 4
	146.10	General Observation, within 8 inch: NO, Remarks: Camera Out Of Water	00:12:17	544	
	150.20	Water Level, 15 %, within 8 inch: NO	00:13:04	545	M 2
	150.20 F1	Water Level Sag, 40 %, within 8 inch: NO, End	00:12:46	546	M 3
	151.40	Tap Break-in Active, at 12 o'clock, 6", within 8 inch: NO	00:13:27	547	
	164.00	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: NO	00:14:37	548	S 1
	165.10 S2	Water Level Sag, 40 %, within 8 inch: NO, Start	00:15:13	549	M 3
	175.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:00	550	
	181.20	Water Level, 15 %, within 8 inch: NO	00:16:51	551	M 2
	181.20 F2	Water Level Sag, 40 %, within 8 inch: NO, End	00:16:34	552	M 3
	200.40 S3	Water Level Sag, 25 %, within 8 inch: NO, Start	00:17:48	553	M 2
	209.10	Water Level, 10 %, within 8 inch: NO	00:18:34	554	M 2
	209.10 F3	Water Level Sag, 25 %, within 8 inch: NO, End	00:18:14	555	M 2
	241.00	Roots Medium Lateral, at 3 o'clock, 20 %, within 8 inch: NO	00:20:08	556	M 3
	241.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:19:47	557	
	252.60	Broken Soil Visible, from 1 to 2 o'clock, within 8 inch: YES	00:21:29	558	S 5
	280.50	Manhole, within 8 inch: NO, Remarks: 2298-0247	00:23:02	559	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	4135	6	31	37	3	2.58	2.64



Inspection report

Date: 20060823	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Anthony Hernandez	section number: 701	PSR: 98843
Total Pipe Length: 286.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: ASHWORTH PL	Flow Control: N Not Controlled	Start MH: 2298-0100
City: ZLAE	Year Renewed:	End MH: 2298-0099
Location Code: C Light Highway	Tape/Media #: A003	pipe length: 278.9 ft

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

Remark:

1.594	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0100	00:00:50	446	
	7.00	Water Level, 5 %, within 8 inch: NO	00:02:26	447	M 2
	12.70	Tap Factory Active, at 3 o'clock, 6" within 8 inch: NO	00:02:57	448	
	20.10	General Observation, within 8 inch: NO, Remarks: PIPE JOINT LENGTH 5	00:03:54	449	
	31.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:48	450	
	38.00 S1	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO, Start	00:05:44	451	M 2
	45.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:6:10	452	
	55.00	Broken Soil Visible, from 10 to 2 o'clock, within 8 inch: NO	00:08:34	453	S 5
	69.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:21	454	
	87.50	Alignment Left, within 8 inch: NO	00:10:12	455	M 1
	116.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:15	456	
	129.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:05	457	
	137.00 S2	Water Level Sag, 10 %, within 8 inch: NO, Start	00:12:35	458	M 2
	143.40	Alignment Left, within 8 inch: NO	00:12:58	459	M 1
	154.20	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:13:46	460	
	156.60 F1	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO, End	00:14:38	461	M 2
	156.60 F2	Water Level Sag, 10 %, within 8 inch: NO, End	00:14:52	462	M 2
	171.30	Tap Factory Active, at 3 o'clock, 6" within 8 inch: NO	00:15:32	463	
	174.00	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:16:00	464	
	199.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:09	465	
	233.60 S3	Water Level Sag, 10 %, within 8 inch: NO, Start	00:18:27	466	M 2
	246.30 F3	Water Level Sag, 10 %, within 8 inch: NO, End	00:18:54	467	M 2



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Inspection report

Date: 20060823	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Anthony Hernandez	section number: 701	PSR: 98843
Total Pipe Length: 286.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

1 594	position	observation	MPEG	photo	grade
	250.60	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:19:32	468	S 1
	257.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:06	469	
	257.00	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:20:30	470	M 1
	278.90	Manhole, within 8 inch: NO, Remarks: 2298-0099	00:21:37	471	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2713	6	17	23	3	1.7	1.92



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Inspection report

Date: 20060822	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Anthony Hernandez	section number: 682	PSR: 98618
Total Pipe Length: 125.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: AUTUMN OAKS LN	Flow Control: N Not Controlled	Start MH: 2298-0355
City: ZLAE	Year Renewed:	End MH: 2298-0356
Location Code: C Light Highway	Tape/Media #: A002	pipe length: 124.5 ft

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

Remark:

1-325	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0355	00:00:51	250	
	7.50	Water Level, 10 %, within 8 inch: NO	00:01:30	251	M 2
	19.10	General Observation, within 8 inch: NO, Remarks: PIPE JOINT LENGTH 5	00:02:20	252	
	50.50	Tap Factory Active, at 2 o'clock, 6" within 8 inch: NO	00:04:01	253	
	58.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:38	254	
	109.00	Alignment Down, within 8 inch: NO	00:06:36	255	M 1
	120.10	Broken Soil Visible, from 2 to 8 o'clock, within 8 inch: NO	00:08:30	256	S 5
	124.50	Manhole, within 8 inch: NO, Remarks: 2298-0356	00:09:08	257	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2111	5	3	8	5	1.5	2.67



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Inspection report

Date: 20060822	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Anthony Hernandez	section number: 691	PSR: 98611
Total Pipe Length: 86.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: AMBER OAKS LN	Flow Control: N Not Controlled	Start MH: 2298-0348
City: ZLAE	Year Renewed:	End MH: 2298-0349
Location Code: C Light Highway	Tape/Media #: A002	pipe length: 88.5 ft

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

Remark:

1-225	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0348	00:00:44	336	
	7.00	Water Level, 5 %, within 8 inch: NO	00:01:15	337	M 2
	7.10	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:01:33	338	
	44.10	General Observation, within 8 inch: NO, Remarks: PIPE JOINT LENGTH 5	00:03:15	339	
	50.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:52	340	
	62.70	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:04:38	341	
	84.70	Broken Soil Visible, from 3 to 8 o'clock, within 8 inch: NO	00:06:53	342	S 5
	88.50	Manhole, within 8 inch: NO, Remarks: 2298-0349	00:07:46	343	

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



Inspection report

Date: 20060825	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 829	PSR: 98652
Total Pipe Length: 302.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: 0	Flow Control: N Not Controlled	Start MH: 2298-0263
City: GLR	Year Renewed	End MH: 2298-0268
Location Code: D Easement/Right of Way	Tape/Media #: G006	pipe length: 307.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark

1 528	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0263	00:00:48	875	
	7.00	Water Level, 10 %, within 8 inch: NO	00:01:49	876	M 2
	35.20	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:02:47	877	S 2
	35.20	Fracture Circumferential, from 12 to 2 o'clock, within 8 inch: YES	00:03:19	878	S 2
	35.20	Fracture Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:03:54	879	S 2
	35.20	Fracture Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:04:27	880	S 2
	42.30	Fracture Multiple, from 2 to 6 o'clock, within 8 inch: YES	00:05:16	881	S 4
	53.50	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:06:01	882	
	56.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:33	883	
	57.40	Crack Circumferential, from 7 to 11 o'clock, within 8 inch: YES	00:07:37	884	S 1
	57.40	Fracture Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:07:00	885	S 2
	95.50	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:09:04	886	S 3
	98.90	Fracture Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:09:39	887	S 2
	102.20	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:10:12	888	
	102.30	Crack Multiple, from 9 to 5 o'clock, within 8 inch: YES	00:10:40	889	S 3
	136.50	Crack Multiple, from 8 to 11 o'clock, within 8 inch: YES	00:12:01	890	S 3
	136.50	Roots Fine Joint, from 8 to 11 o'clock, within 8 inch: YES	00:12:24	891	
	143.30	Crack Multiple, from 7 to 11 o'clock, within 8 inch: YES, Start	00:13:07	892	S 3
	143.30	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:13:33	893	
	146.60	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:14:03	894	
	184.30	Crack Multiple, from 7 to 11 o'clock, within 8 inch: YES, End	00:15:43	895	S 3
	184.30	Fracture Multiple, from 2 to 8 o'clock, within 8 inch: YES	00:16:19	896	S 4
	201.70	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:17:19	897	S 3
	205.20	General Observation, within 8 inch: NO, Remarks: joint length 3'	00:17:59	898	



Inspection report

Date: 20060825	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 829	PSR: 98652
Total Pipe Length: 302.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

1:528	position	observation	MPEG	photo	grade
	236.10	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:18:58	899	
	236.20	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:19:28	900	S 3
	251.20	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:20:21	901	
	254.00	Tap Factory Active, at 3 o'clock, 6" within 8 inch: NO	00:20:57	902	
	299.70	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES	00:22:36	903	S 3
	307.80	Manhole, within 8 inch: NO, Remarks: 2298-0268	00:23:25	904	



Inspection report

Date: 20060825	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 830	PSR: 98658
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: HEBER ST	Flow Control: N Not Controlled	Start MH: 2298-0269
City: GLR	Year Renewed:	End MH: 2298-0268
Location Code: C Light Highway	Tape/Media #: G006	pipe length: 349.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark:

1:726	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0269	00:00:44	905	
	5.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:02	906	S 4
	7.00	Water Level, 5%, within 8 inch: NO	00:02:33	907	M 2
	39.30	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:03:34	908	S 2
	57.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:28	909	
	58.80	Crack Multiple, from 2 to 5 o'clock, within 8 inch: YES	00:04:57	910	S 3
	60.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:28	911	
	61.50	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:06:16	912	S 3
	119.90	Crack Multiple, from 7 to 10 o'clock, within 8 inch: YES	00:08:00	913	S 3
	121.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:29	914	
	123.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:00	915	
	176.20	Crack Multiple, from 7 to 10 o'clock, within 8 inch: YES	00:10:41	916	S 3
	177.50	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:11:11	917	
	190.30	Tap Factory Active, at 3 o'clock, 6" within 8 inch: NO	00:11:57	918	
	202.00	General Observation, within 8 inch: NO, Remarks: joint length 3'	00:12:55	919	
	208.90	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:13:39	920	S 3
	239.80	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:14:54	921	S 1
	241.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:26	922	
	242.10	Crack Multiple, from 2 to 10 o'clock, within 8 inch: YES	00:16:05	923	S 3
	252.50	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:16:52	924	S 2
	253.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:18	925	
	255.00	Crack Multiple, from 12 to 4 o'clock, within 8 inch: YES	00:17:56	926	S 3
	296.30	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:19:23	927	S 1
	301.00	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:19:59	928	



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Inspection report

Date: 20060825	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 830	PSR: 98658
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

1:726	position	observation	MPEG	photo	grade		
		<p>Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES</p> <p>Crack Multiple, from 4 to 10 o'clock, within 8 inch: YES</p> <p>Manhole, within 8 inch: NO, Remarks: 2298-0268</p>	<p>00:20:56</p> <p>00:22:18</p> <p>00:23:02</p>	<p>929</p> <p>930</p> <p>931</p>	<p>S 3</p> <p>S 3</p>		
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4139	2100	37	2	39	2.64	2	2.6



Inspection report

Date: 20060825	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 831	PSR: 98765
Total Pipe Length: 211.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: HEBER ST	Flow Control: N Not Controlled	Start MH: 2298-0268
City: GLR	Year Renewed:	End MH: 2298-0137
Location Code: C Light Highway	Tape/Media #: G006	pipe length: 181.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark::

1.450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-268	00:00:43	932	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:06	933	M 2
	9.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:45	934	
	17.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:42	935	S 3
	44.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:03:59	936	S 4
	62.00	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:04:58	937	S 2
	73.40	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:05:46	938	
	95.20	Fracture Circumferential, from 4 to 9 o'clock, within 8 inch: YES	00:07:10	939	S 2
	117.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:09	940	
	145.50	Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:09:22	941	S 2
	145.80	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:42	942	S 2
	145.80	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:10:03	943	S 2
	146.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:33	944	
	148.40	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:11:10	945	S 3
	165.20	Crack Circumferential, from 3 to 10 o'clock, within 8 inch: YES	00:12:06	946	S 1
	181.70	Manhole, within 8 inch: NO, Remarks: 2298-0137	00:13:04	947	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	21	2	23	2.33	2	2.3



Inspection report

Date: 20060815	P.O.#: Y0TV0506D	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 779	PSR: 98997
Total Pipe Length: 269.00	Survey Customer: LACDPW	System Owner: GLR	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 2298

Street: YUCCA RIDGE RD	Flow Control: N Not Controlled	Start MH: 2298-0008
City: GLR	Year Renewed:	End MH: 2298-0009
Location Code: C Light Highway	Tape/Media #: G002	pipe length: 322.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area:	Lining Method:
	Category:

Remark

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2298-0008	00:00:46	285	
	0.00	Water Level, 10 %, within 8 inch: NO	00:01:09	286	M 2
	76.10	Tap Factory Active, at 3 o'clock, 4" within 8 inch: NO	00:03:48	287	
	101.20	Tap Factory Active, at 9 o'clock, 4" within 8 inch: NO	00:04:57	288	
	150.40	General Observation, within 8 inch: NO, Remarks: joint length 5'	00:06:51	289	
	166.70	Tap Factory Active, at 3 o'clock, 4" within 8 inch: NO	00:07:44	290	
	260.90	Tap Factory Active, at 3 o'clock, 4" within 8 inch: NO	00:10:47	291	
	303.40	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:12:50	292	
	303.70	Broken, from 1 to 3 o'clock, within 8 inch: YES	00:14:38	293	S 4
	303.70	Joint Offset Large, within 8 inch: NO	00:13:46	294	S 2
	317.90	Tap Break-in Active, at 12 o'clock, 6", within 8 inch: NO	00:15:52	295	
	322.10	Manhole, within 8 inch: NO, Remarks: 2298-0009	00:16:36	296	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2100	6	2	8	3	2	2.67