



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

April 9, 2009

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Mr Mark R Alexander, City Manager
City of La Cañada Flintridge
1327 Foothill Boulevard
La Cañada Flintridge, CA 91011-2137

Attention Ms. Sylvia Baca

Dear Mr Alexander:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT Y0TV0506D

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 9,353 feet or 5.4 percent of the City of La Cañada Flintridge'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)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

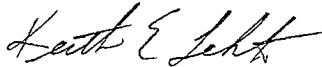
The Condition Assessment Report provides you with details regarding the maintenance and structural condition of your City's sewer mainlines. This information can be included in your agency's Sewer System Management Plan as a reference in Chapter 8 0, System Evaluation and Capacity Assurance Plan. The 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.

Mr. Mark R. Alexander
April 9, 2009
Page 2

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 5 p.m., or at rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works



For DIEGO CADENA
Deputy Director

PK:kk
1663

Enc.

bc: Programs Development (Ghazarian)

bc: KL, RS, FV, File (Project Y0TV0506D), 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):	1851
Report By:	Phyo Kyaw	Report Date:	04/02/09

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 9,353 feet or approximately 5.4 percent of the City of La Canada Flintridge'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 Y0TV0506D included sewer lines located in both 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 81.7 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 18.3 percent of the inspected pipe segments within the City of La Canada Flintridge 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	5,857	62.6	29
2: Good	1,185	12.7	6
3: Fair	601	6.4	4
4: Poor	976	10.4	5
5: Immediate Attention	734	7.9	5
TOTAL	9,353	100.0	49

STRUCTURAL REPORT

Our inspection revealed that approximately 81.7 percent of the inspected pipe segments within the City of La Canada Flintridge were free of severe structural defects. However, the remaining 18.3 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 8 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 eight segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	7,034	75.2	38
2: Good	0	0.0	0
3: Fair	613	6.5	3
4: Poor	1,155	12.4	6
5: Immediate Attention	551	5.9	2
TOTAL	9,353	100.0	49

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 La Canada Flintridge according to the following schedule.

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM
2005-2006	Y0TV0506D	9,353	5.4
2009-2010		79,536	45.7
2011-2012		84,968	48.9
TOTAL		173,857	100.0

ENCLOSURE 1:

Project Overview Map

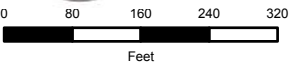
ENCLOSURE 1

CCTV PROJECT

Y0TV0506D

Supervisorial District 5
La Canada - Flintridge

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

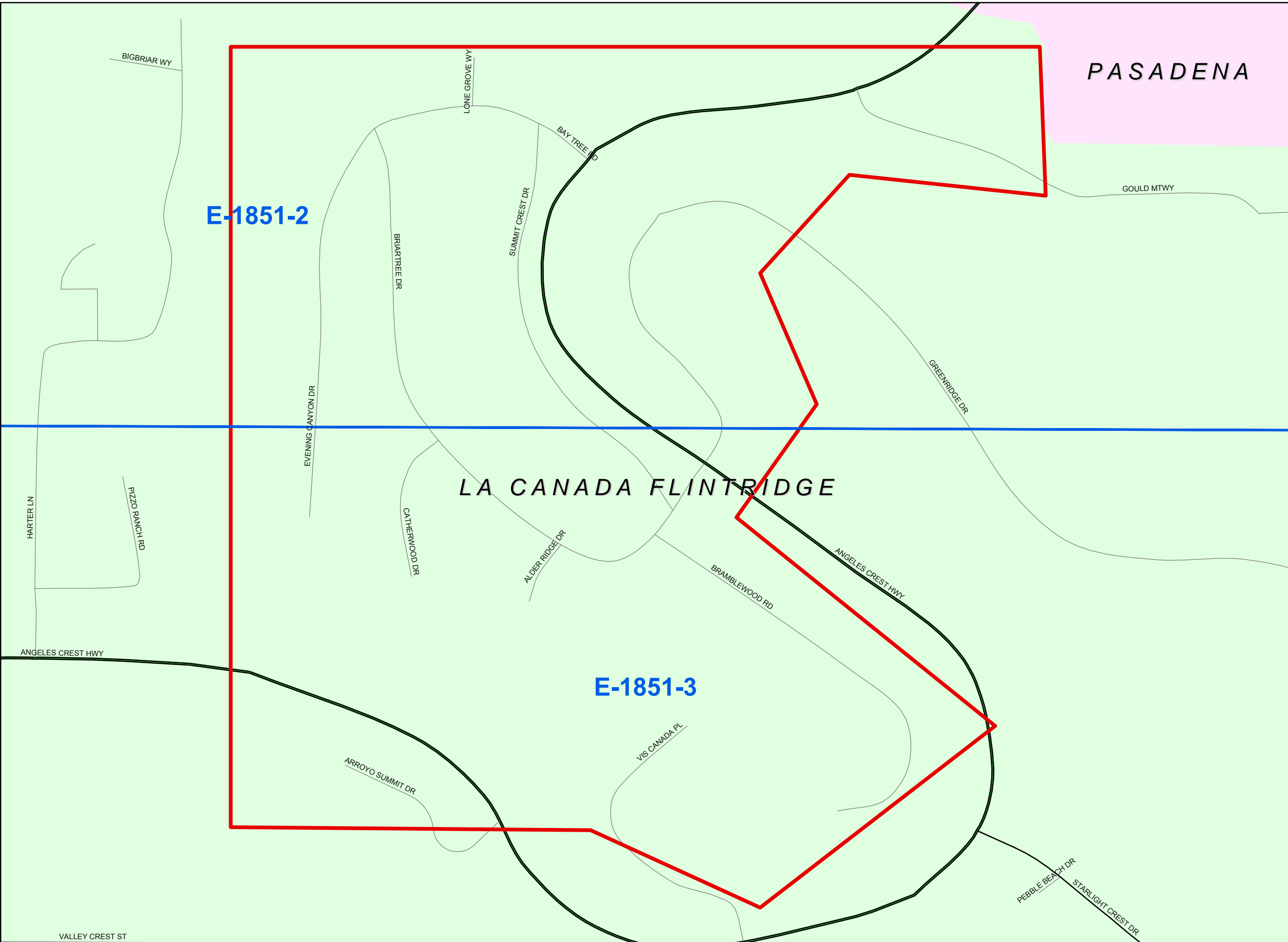
Parcel Boundary

SMD Operations Maps

CCTV PROJECT AREA

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FEBRUARY 2008



ENCLOSURE 2:

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

ENCLOSURE 2
 QUICK MAINTENANCE RATING REPORT PRIORITY LIST
 CITY OF LA CANADA FLINTRIDGE (Y0TV0506D)
 as of 08/14/06

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5222	1851-0030	1851-0031	BRAMBLEWOOD RD R/W	Roots	Rodder (Completed 2/20/09)
2	5141	1851-0038	1851-0037	EASEMENT	Roots	Rodder (Completed 3/25/09)
3	5131	1851-0008	1851-0009	BRIARTREE DR	Roots	Rodder (Completed 7/15/08)
4	5122	1851-0018	1851-0019	ALDERRIDGE DR R/W	Roots	Rodder (Completed 2/20/09)
5	5100	1851-0001	1851-0002	BAY TREE RD	Roots	Rodder (Completed 2/20/09)
6	4300	1851-0003	1851-0004	EVENING CANYON DR	Roots	Rodder (Completed 2/20/09)
7	4122	1851-0017	1851-0015	ALDER RIDGE DR	Roots	Rodder (Completed 2/20/09)
8	4122	1851-0019	1851-0020	ALDER RIDGE R/W	Roots	Rodder (Completed 2/20/09)

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.

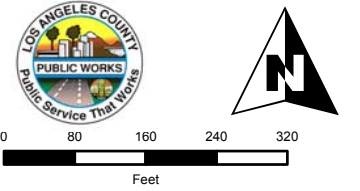
Item No.	QMR	Start MH	End MH	Street	Observation
1	4123	1851-0029	1851-0030	BRAMBLEWOOD RD	Roots in lateral
2	4122	1851-0039	1851-0038	EASEMENT	Roots in lateral

ENCLOSURE 2

CCTV PROJECT
Y0TV0506D

Supervisorial District 5
 La Canada Flintridge

QUICK
 MAINTENANCE
 RATING
 (QMR)

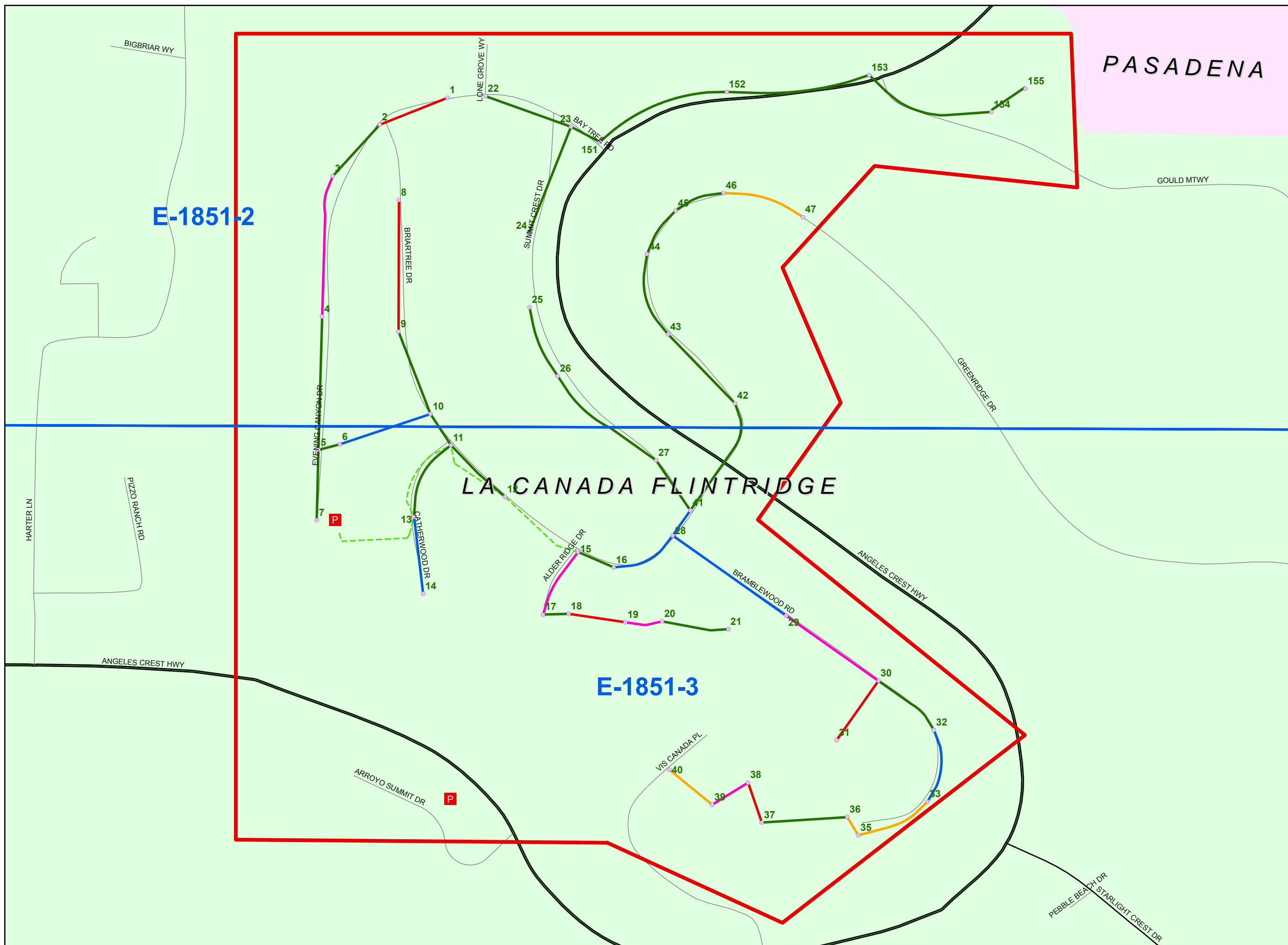


Legend

- SMD Sanitary Sewers**
- QMR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION
- 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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FEBRUARY 2009



ENCLOSURE 3:

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

ENCLOSURE 3
 QUICK STRUCTURAL RATING REPORT PRIORITY LIST
 CITY OF LA CANADA FLINTRIDGE (Y0TV0506D)
 as of 08/14/06

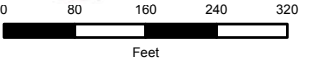
Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method
1	5141	1851-0029	1851-0030	BRAMBLEWOOD RD	Hole: End MH 1851-0030; fractures: 5'	CSMD will repair MH base.
2	5121	1851-0042	1851-0041	GREENRIDGE DR	Broken: 106'	Structural integrity in tact. No action needed.
3	4131	1851-0022	1851-0023	BAY TREE RD	Broken: End MH 1851-0023; cracks: 122'	CSMD will repair MH base.
4	4121	1851-0030	1851-0032	BRAMBLEWOOD RD	Hole: End MH 1851-0032; joint separated: 5'	CSMD will repair MH base.
5	4100	1851-0017	1851-0015	ALDER RIDGE DR	Fractures 76'	Structural integrity in tact. No action needed.
6	4100	1851-0026	1851-0027	SUMMIT CREST DR	Broken: End MH 1851-0027	CSMD will repair MH base.
7	4100	1851-0028	1851-0029	BRAMBLEWOOD RD	Fractures: 271'	Structural integrity in tact. No action needed.
8	4100	1851-0039	1851-0038	EASEMENT	Hole: End MH 1851-0038	CSMD will repair MH base.

ENCLOSURE 3

CCTV PROJECT
Y0TV0506D

Supervisorial District 5
La Canada Flintridge

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

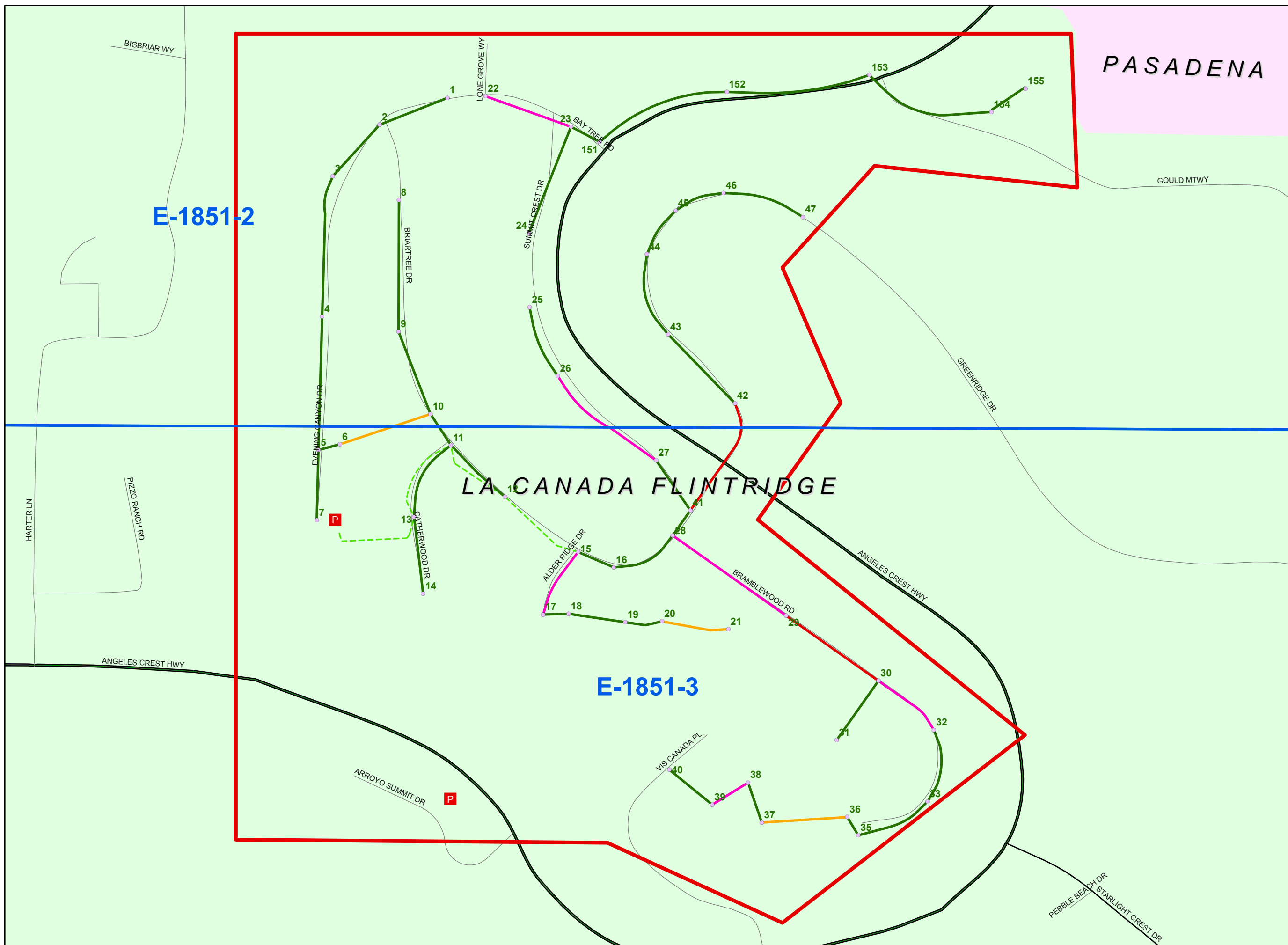
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Satations
- SMD Treatment Plants

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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FEBRUARY 2009



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS T Glock	section number: 34	PSR: 56060
Total Pipe Length: 273	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: BRAMBLEWOOD RD	Flow Control: N Not Controlled	Start MH: 1851-0029
City: LCF	Year Renewed:	End MH: 1851-0030
Location Code: C Light Highway	Tape/Media #: 0122	pipe length: 274.66 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: **Fracture, roots**

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, Remark: Start of Segment	00:00:49		
	2.69	Water Level, 5 % of cross sectional area	00:02:26		M 2
	2.69	Water Mark, 25 % of cross sectional area	00:02:27		M 2
	4.99	Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:03:14	2568a, b	S 4
	21.06	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:04:00		
	22.56	Water Level, 10 of cross sectional area	00:04:13		M 2
	122.06	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES, Remark: Roots	00:07:39		
	122.06	Roots Fine Lateral, at 02 o'clock, within 8 inch: YES	00:07:43		M 1
	151.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: Roots	00:08:54		
	151.00	Roots Ball Lateral, at 10 o'clock, 90, within 8 inch: YES	00:09:01	2574a	M 4
	212.08	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:58		
	265.38	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:13:52		
	274.66	Hole Void Visible, from 06 to 08 o'clock, within 8 inch: YES, Remark: at MH	00:15:41	2577a	S 5
	274.66	Manhole			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	4123	9	11	20	4.5	2.2	2.86



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

Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS R RUIZ	section number: 44	PSR: 56072
Total Pipe Length: 278	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: GREENRIDGE DR	Flow Control: N Not Controlled	Start MH: 1851-0042
City: LCF	Year Renewed:	End MH: 1851-0041
Location Code: C Light Highway	Tape/Media # 069	pipe length: 279.52 ft

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

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole	00:01:03		
	105.79	Crack Longitudinal, at 11 o'clock, within 8 inch: NO	00:05:18	1660a, b	S 2
	106.57	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: NO	00:06:27	1661a, b	S 5
	279.52	General Observation, Remark: End of segment pipe material-ABSCP	00:12:31		
	279.52	Manhole	00:12:46		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	0000	7	0	7	3.5	0	3.5



Inspection report

Date: 20060901	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS R RUIZ	section number: 26	PSR: 56051
Total Pipe Length: 202	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: BAY TREE RD	Flow Control: N Not Controlled	Start MH: 1851-0022
City: LCF	Year Renewed:	End MH: 1851-0023
Location Code: C Light Highway	Tape/Media # 067	pipe length: 198.57 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: _____

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole	00:01:03		
	65.31	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:03:53	1558a	
	68.83	Roots Fine Joint, from 09 to 10 o'clock, within 8 inch: YES	00:04:11	1559a	
	74.21	Roots Fine Joint, from 06 to 11 o'clock, within 8 inch: YES	00:04:33	1560a	
	78.80	Roots Fine Joint, from 12 to 08 o'clock, within 8 inch: YES	00:04:50	1561a	
	83.79	Roots Fine Joint, from 03 to 10 o'clock, within 8 inch: YES	00:05:07		
	88.97	Roots Fine Joint, from 12 to 03 o'clock, within 8 inch: YES	00:05:21		
	110.38	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: NO	00:06:12		
	122.21	Crack Multiple, from 10 to 11 o'clock, within 8 inch: YES	00:06:43	1565a	S 3
	122.21	Crack Circumferential, from 07 to 05 o'clock, within 8 inch: YES	00:06:46	1566a	S 1
	188.50	Tap Factory Made, at 12 o'clock, 6", within 8 inch: YES	00:09:09		
	198.57	General Observation, Remark: End of segment pipe material-VCP	00:09:53		
	198.57	Broken, from 04 to 05 o'clock, within 8 inch: YES, Remark: Broken in MH Trough	00:10:08		S 4
	198.57	Manhole			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	0000	8	0	8	2.67	0	2.67



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

Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS T Glock	section number: 36	PSR: 56062
Total Pipe Length: 179	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: BRAMBLEWOOD RD	Flow Control: N Not Controlled	Start MH: 1851-0030
City: LCF	Year Renewed:	End MH: 1851-0032
Location Code: C Light Highway	Tape/Media # 025	pipe length: 179.05 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: **Cracks**

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, Remark: Start of Segment	00:00:58		
	5.09	Joint Separated Medium	00:01:33	2593a	S 1
	72.46	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:02		
	80.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:22		
	146.71	Crack Spiral, from 03 to 06 o'clock, within 8 inch: YES	00:06:27	2596a, b	S 2
	173.06	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:38		
	179.05	Broken, from 06 to 07 o'clock, within 8 inch: YES, Remark: Broken at MH trough	00:09:02	2598a	S 4
	179.05	Manhole			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	0000	7	0	7	2.33	0	2.33



Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS T Glock	section number: 20	PSR: 56045
Total Pipe Length: 167	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: ALDER RIDGE DR	Flow Control: N Not Controlled	Start MH: 1851-0017
City: LCF	Year Renewed:	End MH: 1851-0015
Location Code: C Light Highway	Tape/Media # 122	pipe length: 168.57 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: **Fractures, Roots**

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, Remark: Start of Segment	00:01:13		
	4.99	Water Level, 3' of cross sectional area	00:01:35		M 2
	4.99	Water Mark, 20' of cross sectional area	00:01:40		M 2
	9.88	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:02:25		
	20.36	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:02:49	2531a	
	30.34	Roots Fine Joint, at 02 o'clock, within 8 inch: YES	00:03:14		
	51.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:52		
	57.29	Roots Ball Connection, at 02 o'clock, 98', within 8 inch: YES	00:04:25		M 4
	57.29	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES, Remark:	00:04:39	2535a	
	65.57	Roots Roots Fine Joint, from 07 to 05 o'clock, within 8 inch: YES, start	00:05:13	2536a	
	76.35	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES, Remark: Roots	00:05:44	2537a, b	S 4
	127.65	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:40		
	141.02	Roots Fine Joint, from 07 to 05 o'clock, within 8 inch: YES, end	00:08:12		
	168.57	Manhole, Remark: End of Segment Pipe found VCP	00:10:28		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4122	4	8	12	4	2.67	3



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

Inspection report

Date: 20060905	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS R RUIZ	section number: 30	PSR: 56056
Total Pipe Length: 180	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: SUMMIT CREST DR180	Flow Control: N Not Controlled	Start MH: 1851-0026
City: LCF	Year Renewed:	End MH: 1851-0027
Location Code: C Light Highway	Tape/Media # 068	pipe length: 303.96 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: **Org. Report indicated wrong segment**

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole	00:00:00		
	49.96	Tap Factory Made, at 02 o'clock, 6", within 8 inch: YES	00:00:00		
	132.57	Tap Factory Made, at 02 o'clock, 6", within 8 inch: YES	00:00:00		
	160.73	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:00:00		
	222.52	Tap Factory Made, at 02 o'clock, 6", within 8 inch: YES	00:09:26		
	303.96	Hole, from 07 to 08 o'clock, within 8 inch: YES, Remark: at MH trough	00:12:09		S 4
	303.96	Manhole	00:12:27		

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



Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS T Glock	section number: 32	PSR: 56058
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: BRAMBLEWOOD RD	Flow Control: N Not Controlled	Start MH: 1851-0028
City: LCF	Year Renewed:	End MH: 1851-0029
Location Code: C Light Highway	Tape/Media # 0122	pipe length: 325.26 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: **Fracture, debris**

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, Remark: Start of Segment	00:01:38		
	0.00	Water Level, 20 % of cross sectional area	00:01:53		M 2
	0.00	Water Mark, 25 % of cross sectional area	00:01:57		M 2
	0.00 S1	Deposits Settled Gravel, 3 % of cross sectional area, at 06 o'clock, within 8 inch: YES, start	00:02:02		M 2
	44.81 F1	Deposits Settled Gravel, 3 % of cross sectional area, at 06 o'clock, within 8 inch: YES, end	00:03:27		M 2
	120.66	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:05:38		
	221.26	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:08:17		
	244.02	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:09:09		
	270.77	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:10:04	2563a, b	S 4
	325.26	Manhole, Remark: End of Segment Pipe found VCP	00:13:04	2564a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2A00	4	22	26	4	2	2.17



Inspection report

Date: 20060906	P.O. #: Y0TV0506D	Weather: 1 Dry	Surveyed By: NPS R RUIZ	section number: 42	PSR: 56070
Total Pipe Length: 102	Survey Customer: LACDPW	System Owner: LCF	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1851

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1851-0039
City: LCF	Year Renewed:	End MH: 1851-0038
Location Code: C Light Highway	Tape Media # 069	pipe length: 100.2 ft

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

Remark: _____

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole	00:00:34		
	0.00	Water Level, 5' of cross sectional area	00:00:38		M 2
	0.00	Water Mark, 10' of cross sectional area	00:00:40		M 2
	5.67	Tap Factory Made, at 02 o'clock, 6", within 8 inch: YES	00:01:05		
	72.54	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark:	00:03:15	1691a	
	72.60	ROOTS Roots Ball Connection, at 10 o'clock, 30', within 8 inch: YES			M 4
	100.20	Hole, from 05 to 06 o'clock, within 8 inch: YES, Remark: Hole in MH trough			S 4
	100.21	General Observation, Remark: End of segment pipe material-VCP	00:04:22		
	100.21	Manhole	00:04:35		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4122	4	8	12	4	2.67	3