



MARK PESTRELLA, 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

February 5, 2019

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

Mr. Patrick Dechellis  
Director of Public Works  
City of La Cañada Flintridge  
1327 Foothill Boulevard  
La Cañada Flintridge, CA 91011-2137

Attention Mr. Hoon Hahn

Dear Patrick:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT  
CONDITION ASSESSMENT PROGRAM REPORT  
PROJECT NO. Y0TV1314B2**

This letter is to inform you that Los Angeles County Public Works Consolidated Sewer Maintenance District has completed a condition assessment of the City of La Cañada Flintridge's sewer system.

The enclosed Condition Assessment Report provides details regarding the maintenance and structural condition of your sewer mainlines. Please note that three previous reports covering the balance of your system were transmitted to your City on April 9, 2009, April 4, 2013, and March 14, 2016. The information contained in all four reports should be included in your agency's Sewer System Management Plan as a reference in Chapter 8, System Evaluation and Capacity Assurance Plan.

The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance schedule for continued monitoring. In addition, segments with severe structural defects have either been repaired or will be scheduled for corrective action as part of the ongoing Accumulative Capital Outlay Program.

Mr. Patrick Dechellis  
February 5, 2019  
Page 2

If you have any questions regarding this report or the Condition Assessment Program, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390, Monday through Thursday, 7 a.m. to 5 p.m. or at [keskridge@dpw.lacounty.gov](mailto:keskridge@dpw.lacounty.gov).

Very truly yours,

MARK PESTRELLA  
Director of Public Works



WILLIAM J. WINTER  
Assistant Deputy Director  
Sewer Maintenance Division

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Enc.

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

**100% SUMMARY**

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SUP.	5	CITY:	La Cañada Flintridge
DISTRICT(S)			
Report By:	Hanna Kebede & Clement Khong	Report Date:	1/7/2019

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**INTRODUCTION**

As part of the Sewer Condition Assessment Program, Los Angeles County Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television inspection of 273,123 feet or 100 percent of the City of La Cañada Flintridge's (City) sewer system.

The closed-circuit television inspection of the City was completed under four different projects (Project Nos. Y0TV0506D, Y0TV0910C, Y0TV1112B, and Y0TV1314B2). A copy of the Condition Assessment Reports for Project Nos. Y0TV0506D, Y0TV0910C, and Y0TV1112B can be found in the District's website at <http://dpw.lacounty.gov/smd/cctv/city/>. Enclosed for your reference is the Condition Assessment Report for Project No. Y0TV1314B2.

**SUMMARY MAINTENANCE REPORT**

Our inspection revealed that approximately 89.3 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. The remaining 10.7 percent of the inspected pipe segments within the City had a Pipeline Assessment and Certification Program (PACP) maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been addressed with corrective action taken as noted in the enclosed reports.

**QUICK MAINTENANCE RATING TABLE**

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	188,988	69.2	1,079
2: Minor to Moderate	54,993	20.1	270
3: Moderate	11,295	4.1	63
4: Significant	14,569	5.4	74
5: Most Significant	3,278	1.2	16
TOTAL	273,123	100.0	1,502

## SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 97.3 percent of the inspected pipe segments within the City were free of significant structural defects. The remaining 2.7 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. The priority lists for these items are located in the enclosed reports.

### QUICK STRUCTURAL RATING TABLE

<b>DEFECT GRADE</b>	<b>PIPE LENGTH (FT)</b>	<b>PERCENT TOTAL INSPECTED PIPE LENGTH</b>	<b>NO. OF SEGMENTS</b>
1: Minor	214,240	78.5	1,203
2: Minor to Moderate	38,660	14.2	207
3: Moderate	12,647	4.6	65
4: Significant	3,912	1.4	15
5: Most Significant	3,664	1.3	12
<b>TOTAL</b>	<b>273,123</b>	<b>100.0</b>	<b>1,502</b>

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

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PROJECT NAME:	Y0TV1314B2	PROJECT MGR:	Eric Liu
PROJECT DATE:	7/23/14	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	5	MAP PAGE(S):	1796 & 1797
Report By:	Hanna Kebede & Clement Khong	Report Date:	1/7/2019

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**INTRODUCTION**

Los Angeles County Public Works Consolidated Sewer Maintenance District (District) conducted a condition assessment of 98,761 feet or 36.2 percent of the City's entire sewer system as part of Project No. Y0TV1314B2.

The enclosed Condition Assessment Report outlines the structural and maintenance ratings of your system based on the PACP's (Version 6.0.1) rating methodology. Included in the report are the following:

- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Map, and Sample Lateral Notice Letter (Enclosure 2)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)

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

**PROJECT AREA AND DESCRIPTION**

Project No. Y0TV1314B2 included sewer lines located in the unincorporated County of Los Angeles and the Cities of La Cañada Flintridge, Commerce, Glendora, Industry, and Walnut. 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 legend of the five possible defect grades is as follows:

Grade	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

## MAINTENANCE REPORT

Our inspection revealed that approximately 97.7 percent of the system televised in your City as part of Project No. Y0TV1314B2 was free of significant blockages or restrictions that would impede sewer flows. The remaining 2.3 percent of the pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our periodic cleaning schedule with corrective action taken.

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. OF SEGMENTS
1: Minor	70,842	71.7	465
2: Minor to Moderate	25,636	26.0	118
3: Moderate	1,503	1.5	8
4: Significant	520	0.5	4
5: Most Significant	260	0.3	1
TOTAL	98,761	100.0	596

### ***Lateral Notices***

Also included in the maintenance inspection reports are private lateral deficiencies discovered during the assessment of 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. Letters have been sent to property owners in your City notifying them of the maintenance issues detected in their laterals. A sample lateral notice letter is provided in Enclosure 2 for your reference.

### ***High Water Levels***

Our inspection revealed that high-water levels were not detected in any pipe segments in your City's system.

### ***Infiltration***

Our inspection revealed that infiltration was not detected in any pipe segments in your City's system.

### **STRUCTURAL REPORT**

Our inspection revealed that approximately 99.7 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 0.3 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. Item 1 in the Quick Structural Rating Report Priority List (Enclosure 3), will be programmed in the next 24 months into the ongoing Accumulative Capital Outlay Program. We have determined that corrective action is required on item 2.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3.

#### **QUICK STRUCTURAL RATING TABLE**

<b>DEFECT GRADE</b>	<b>PIPE LENGTH (FT)</b>	<b>PERCENT TOTAL INSPECTED PIPE LENGTH</b>	<b>NO. OF SEGMENTS</b>
1: Minor	80,322	81.3	491
2: Minor to Moderate	12,246	12.4	73
3: Moderate	5,964	6.0	30
4: Significant	188	0.2	1
5: Most Significant	41	0.1	1
<b>TOTAL</b>	<b>98,761</b>	<b>100.0</b>	<b>596</b>

## **CONDITION ASSESSMENT PROJECTS**

The Sewer Condition Assessment Program performed the condition assessment of the sewer lines within the City according to the following schedule:

<b>FISCAL YEAR</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)</b>	<b>PERCENTAGE OF SYSTEM</b>	<b>STATUS</b>
2005-06	Y0TV0506D	9,255	3.4	COMPLETED
2009-10	Y0TV0910C	81,448	29.8	COMPLETED
2011-12	Y0TV1112B	83,659	30.6	COMPLETED
2014-15	Y0TV1314B2	98,761	36.2	COMPLETED
TOTAL		273,123	100.0	



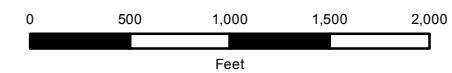
ENCLOSURE 1:

Project Overview Map

# OVERVIEW MAP

## CCTV PROJECT Y0TV1314B2

CITY OF LA  
CAÑADA  
FLINTRIDGE



### Legend

— SMD Sanitary Sewers

### SMD Manholes

⊙ Other

### Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

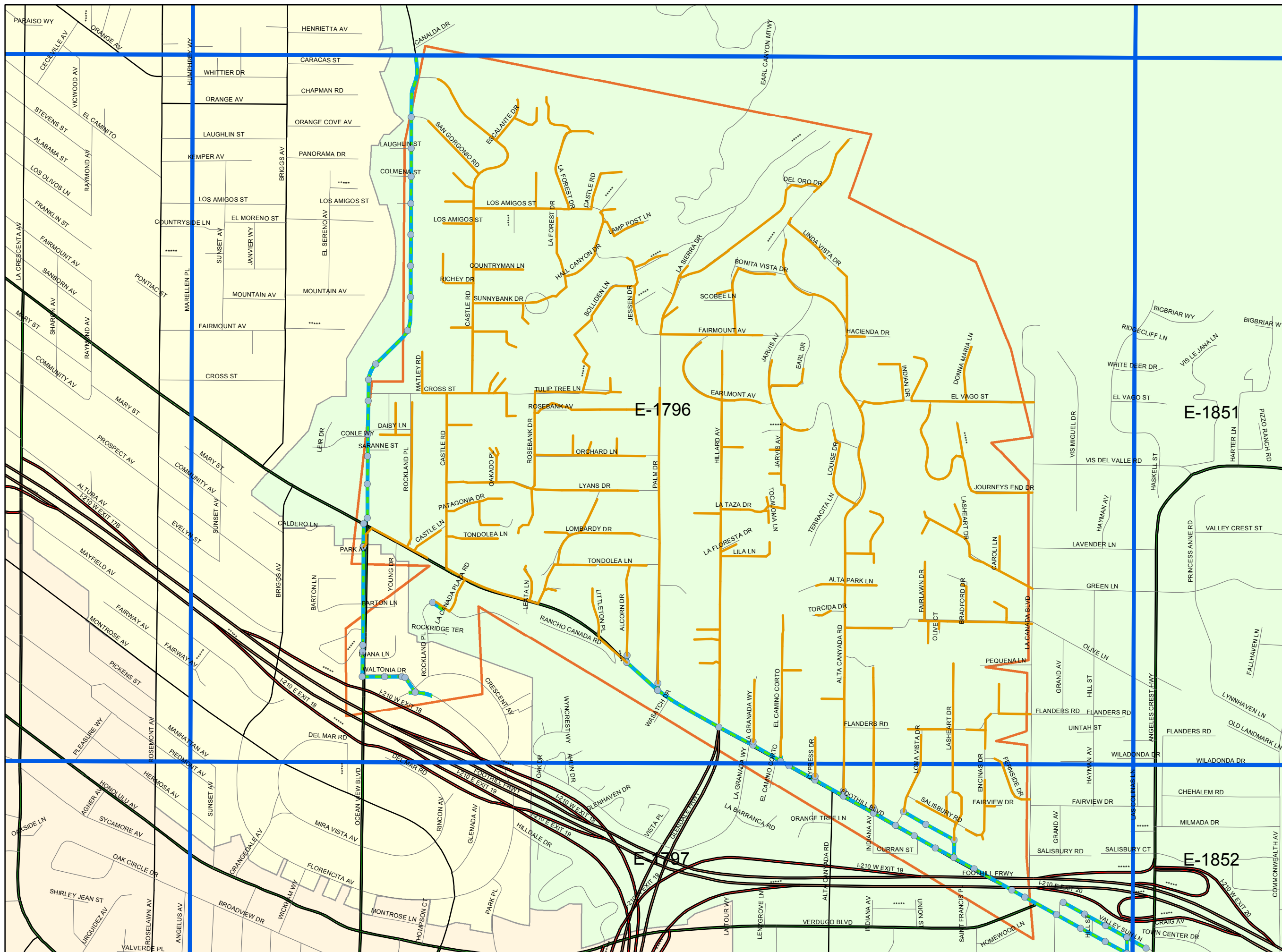
⊗ Siphon

■ SMD Pump Stations

■ WTP SMD Treatment Plants

— Trunk Sewerlines

□ CCTV Project Area



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## ENCLOSURE 2:

- Quick Maintenance Rating Map
- Sample Lateral Notice Letter

# ENCLOSURE 2

## CCTV PROJECT Y0TV1314B2

### CITY OF LA CAÑADA FLINTRIDGE

### QUICK MAINTENANCE RATING (QMR)



#### Legend

##### SMD Sanitary Sewers

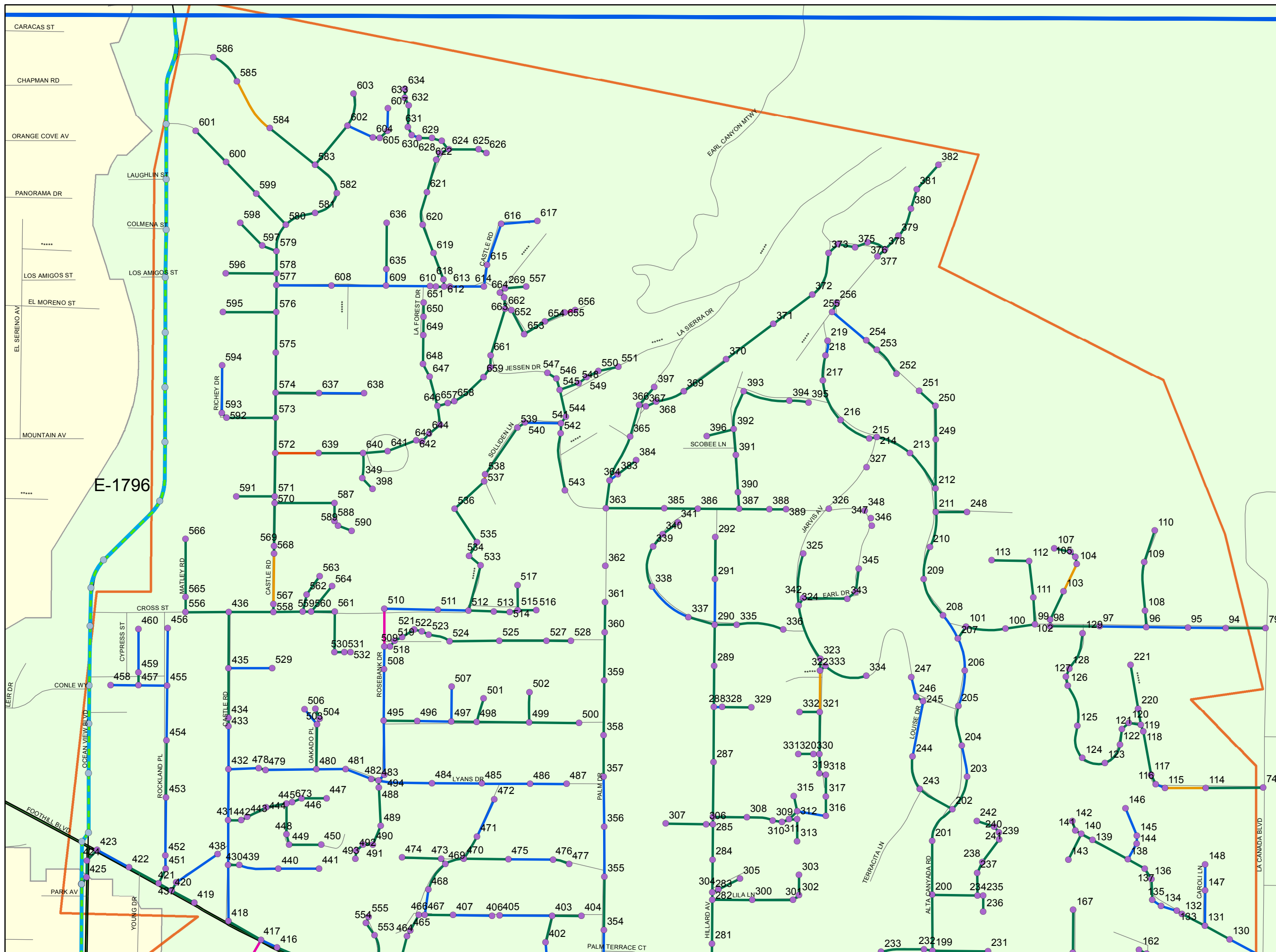
- QMR**
- 1: MINOR
  - 2: MINOR TO MODERATE
  - 3: MODERATE
  - 4: SIGNIFICANT
  - 5: MOST SIGNIFICANT

##### SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants
- Trunk Sewerlines
- SMD Operation Map
- CCTV Project Area

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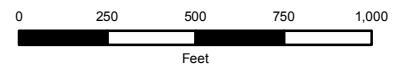


# ENCLOSURE 2

## CCTV PROJECT Y0TV1314B2

CITY OF LA  
CAÑADA  
FLINTRIDGE

QUICK  
MAINTENANCE  
RATING  
(QMR)



### Legend

#### SMD Sanitary Sewers

- QMR**
- 1: MINOR
  - 2: MINOR TO MODERATE
  - 3: MODERATE
  - 4: SIGNIFICANT
  - 5: MOST SIGNIFICANT

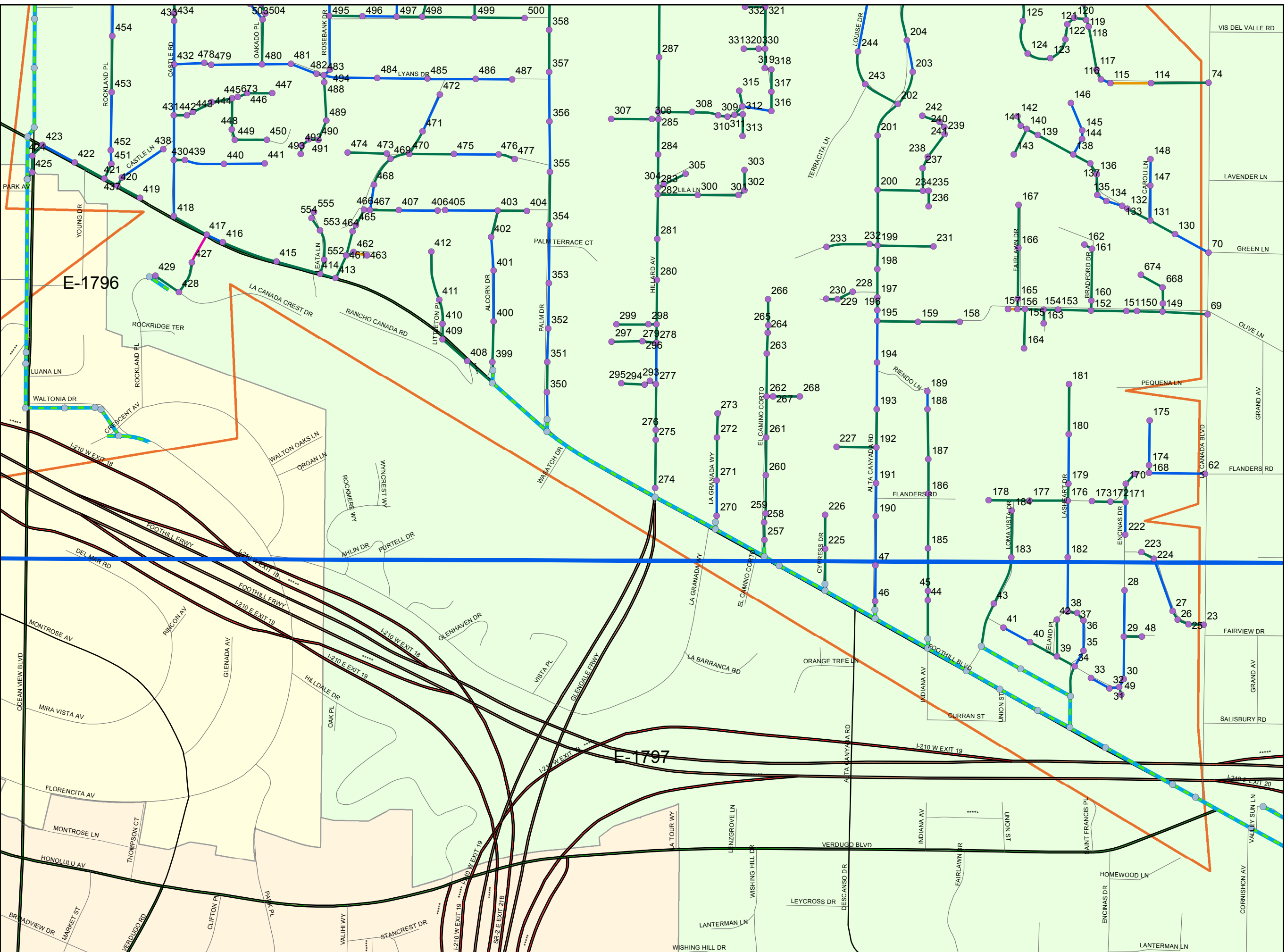
#### SMD Manholes

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

- Trunk Sewerlines SMD
- Operation Map
- CCTV PROJECT AREA

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## NOTICE OF SEWER LATERAL ROOT INTRUSION CONSOLIDATED SEWER MAINTENANCE DISTRICT

Property Owner/Occupant  
1234 Mailing Street  
Mailing City, California 99999

The County of Los Angeles Consolidated Sewer Maintenance District (District) is responsible for the maintenance of the sanitary sewer system in your area. A camera inspection of the sewer mainline discovered 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 an overflow to your property and/or those immediately upstream of your property. You are hereby requested to perform maintenance on your private sewer lateral.

In accordance with **County Code 20.24.080 Maintenance of Sewer Laterals**, ***"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."***

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 licensed plumber to service your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

Your licensed plumber is required to protect the District's sewer mainlines from dislodged roots and other debris by utilizing catcher baskets at the manhole downstream from your lateral connection. Prior to your plumber cleaning your lateral, please notify the District's sewer maintenance yard in your area at (123) 456-7890 for authorization to access the downstream manhole.

We have included literature on ways to minimize sewer overflows and damage to your home. Please consider establishing a routine cleaning schedule for your sewer lateral to minimize potential plumbing problems caused by root intrusion that are likely to reoccur.

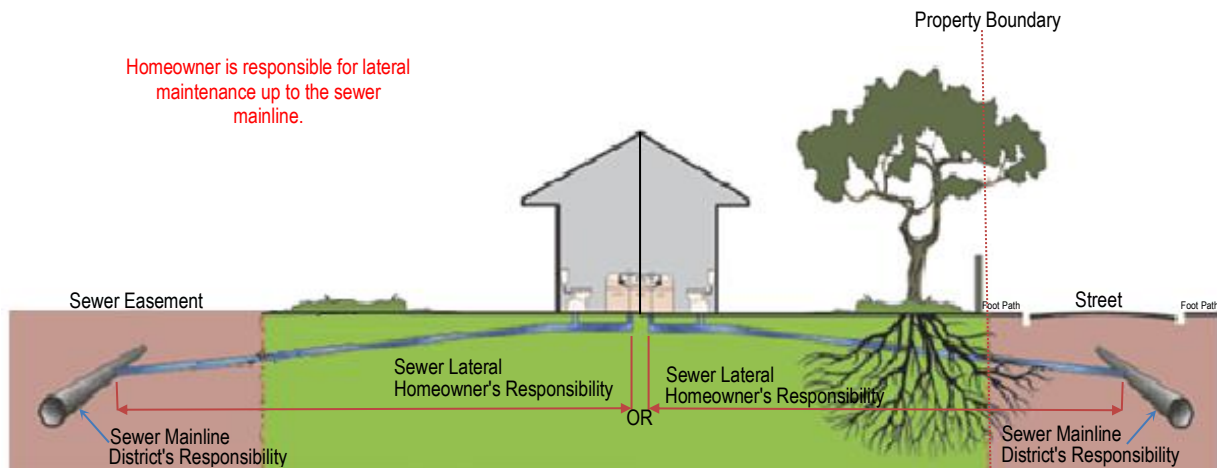
If you have recently cleaned your sewer later, no further action is necessary. If you have any questions, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or [keskridge@dpw.lacounty.gov](mailto:keskridge@dpw.lacounty.gov).

Thank you for helping keep the sewer lines clean and in good working order.

## Minimizing Sewer Overflows and Damage to Your Home

The sewer system within the 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 the portion that may be located within the public right of way (under the asphalt and street landscaping).

### SEWER LATERALS – AREAS OF RESPONSIBILITY



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 LA CAÑADA FLINTRIDGE (Y0TV1314B2)**

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	1796-0605	1796-0604	ALLEY	Broken	Lining
2	1796-0253	1796-0252	LINDA VISTA DR	Fracture	No action needed*

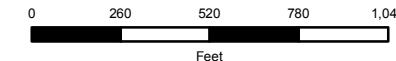
\*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

# ENCLOSURE 3

## CCTV PROJECT Y0TV1314B2

CITY OF LA  
CAÑADA  
FLINTRIDGE

QUICK  
STRUCTURAL  
RATING  
(QSR)



### Legend

#### SMD Sanitary Sewers

##### QSR

- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
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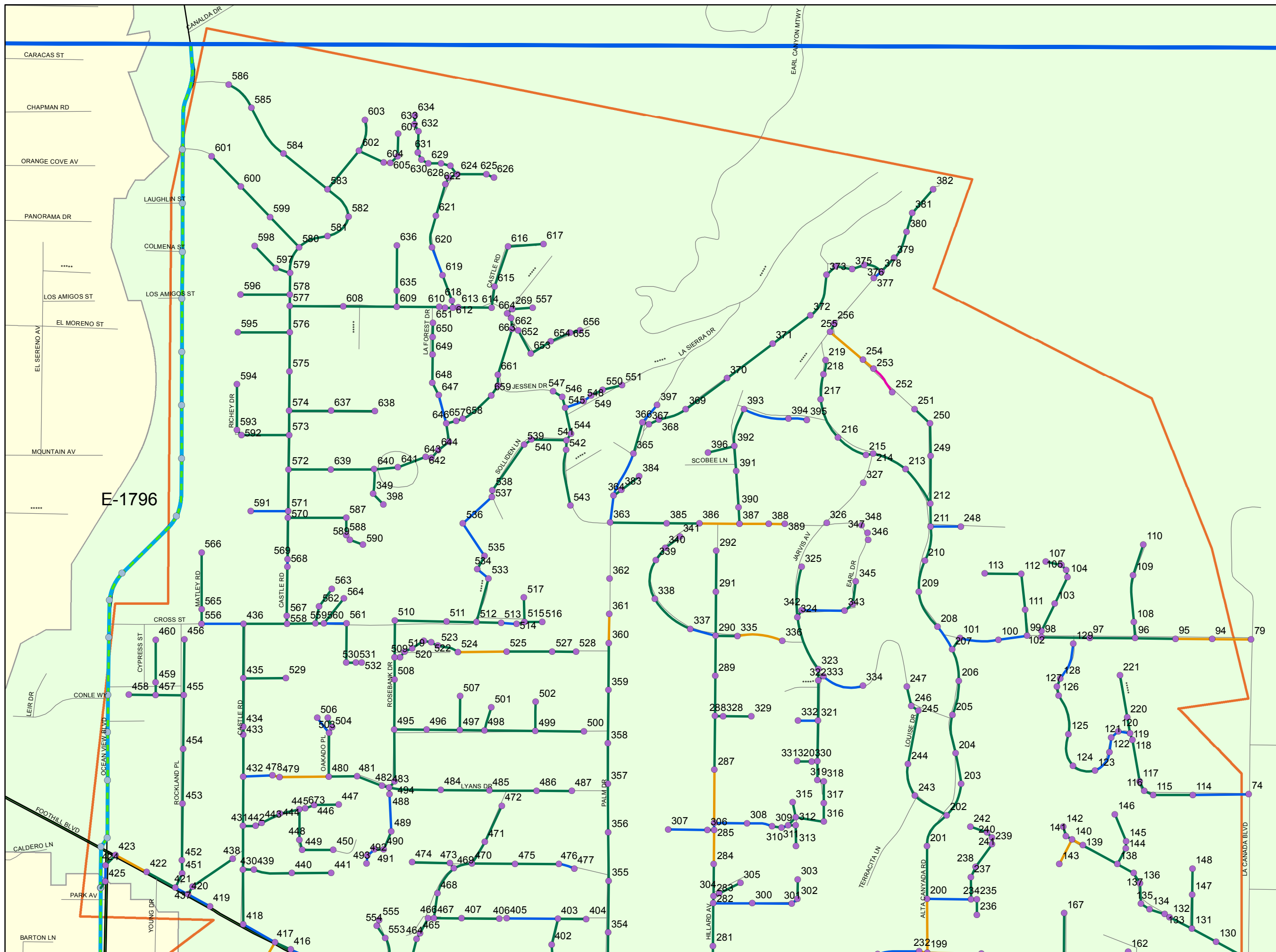
#### SMD Manholes

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

- Trunk Sewerlines
- SMD Operation Map
- CCTV Project Area

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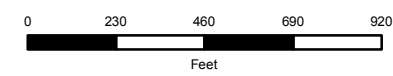
# ENCLOSURE 3

## CCTV PROJECT

### Y0TV1314B2

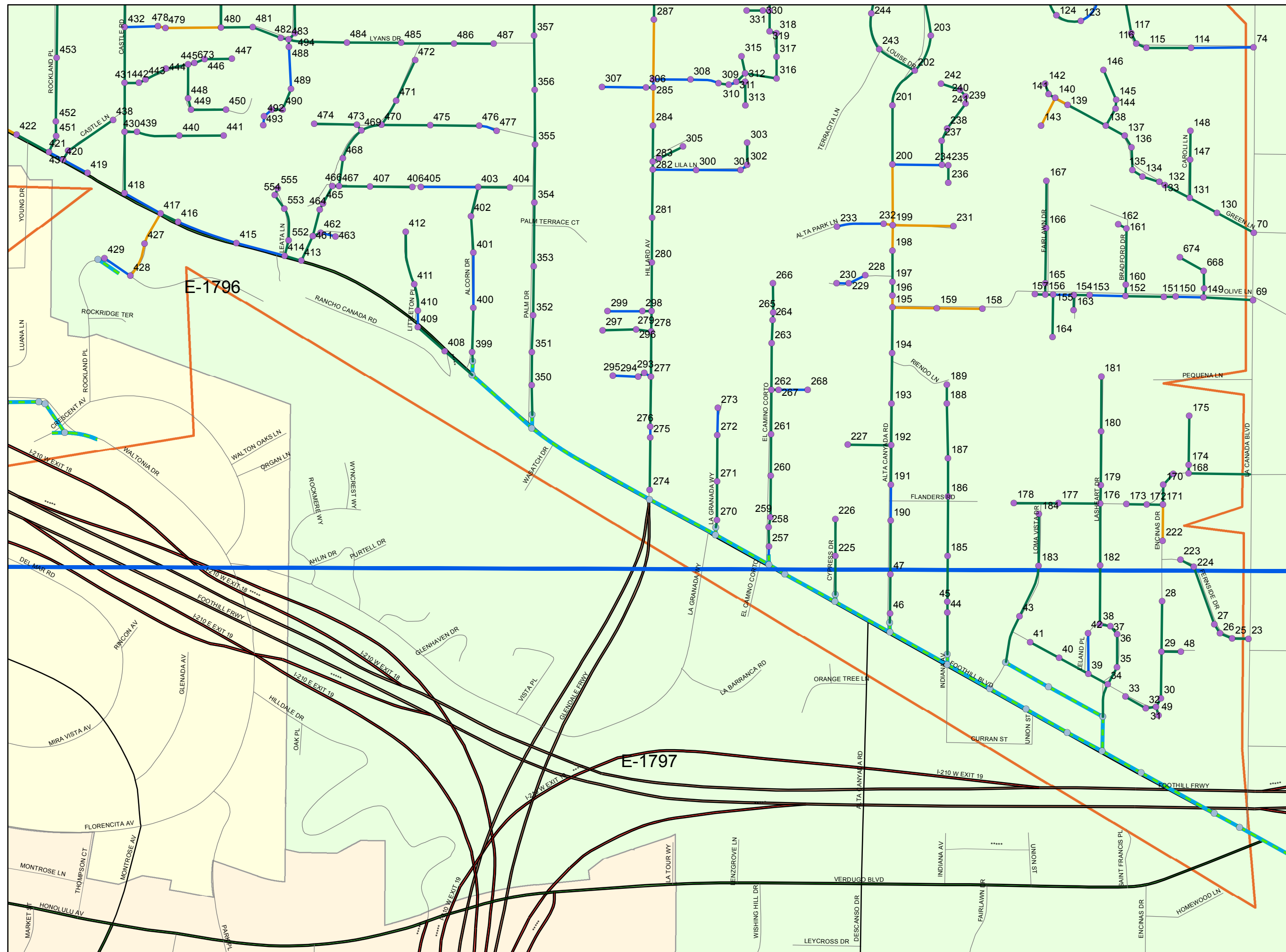
**CITY OF LA**  
**CAÑADA**  
**FLINTRIDGE**

**QUICK**  
**STRUCTURAL**  
**RATING**  
**(QSR)**



- Legend**
- SMD Sanitary Sewers**
- QSR**
- 1: MINOR
  - 2: MINOR TO MODERATE
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  - 5: MOST SIGNIFICANT

- SMD Manholes**
- Other
- Manhole Type**
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