

October 2, 2018

TO: Nicholas Agbobu  
Engineering, Budget, and Office Operations

FROM: Robert Swartz  
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT  
CONDITION ASSESSMENT PROGRAM REPORT  
UNINCORPORATED COUNTY**

This memo is to inform you that the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed a Sewer Condition Assessment Program of a portion of the unincorporated County's sewer system maintained by the District's Central Yard.

The enclosed Condition Assessment Report provides details regarding the maintenance and structural condition of your City's sewer mainlines. This information should be included in the District'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 cleaning schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair or replacement as part of the ongoing Accumulative Capital Outlay Project.

*NTC* HK:

Attach.

bc: RS, KE, File (Y0TV1314B2)

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

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PROJECT NAME: Y0TV1314B2	PROJECT MGR:	Eric Liu
PROJECT DATE: 07/23/2014	CONTACT NO:	(626) 300-3390
SUP. DISTRICT(s): 1	MAP PAGE(S):	1978
Report By: Hanna Kebede	Report Date:	10/2/2018

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**INTRODUCTION**

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the condition assessment of 15,590 feet or 0.9 percent of the unincorporated County's sewer system maintained by the District's Central Yard.

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 Priority Map (Enclosure 3)

The District has now completed the condition assessment of 604,358 feet of the unincorporated County's sewer system maintained by the District's Central Yard. Previous Condition Assessment Reports dated September 3, 2008, June 3, 2009, March 4, 2011, November 21, 2016 have been provided to you. A copy of the reports can also be found in the District's website at <http://dpw.lacounty.gov/smd/cctv/city/>.

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 Commerce, Glendora, Industry, La Canada Flintridge and Walnut. Enclosed for your reference is an overview map of the project area within the unincorporated County (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:

<b>Grade</b>	<b>Defect Grade Description</b>
<b>1:</b>	<b>MINOR</b>
<b>2:</b>	<b>MINOR TO MODERATE</b>
<b>3:</b>	<b>MODERATE</b>
<b>4:</b>	<b>SIGNIFICANT</b>
<b>5:</b>	<b>MOST SIGNIFICANT</b>

## **MAINTENANCE REPORT**

Our inspection revealed that approximately 74.1 percent of the system televised in unincorporated County as part of Project No. Y0TV1314B2 was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 25.9 percent of the pipe segments within the unincorporated County 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 routine 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	10,071	64.6	36
2: Minor to Moderate	1,485	9.5	5
3: Moderate	2,690	17.3	9
4: Significant	1,344	8.6	4
5: Most Significant	0	0	0
TOTAL	15,590	100.0	54

### ***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 and Infiltration***

Our inspection revealed that High Water Levels and Infiltration were not detected in any pipe segment in the County's sewers.

## **STRUCTURAL REPORT**

Our inspection revealed that approximately 88.1 percent of the inspected pipe segments within the unincorporated County were free of severe structural defects. However, the remaining 11.9 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For items 1 through 58 in the Quick Structural Rating Report Priority List (Enclosure 3), which warrant a corrective action, the proposed corrective action will be programmed in the next 24 months as part of the ongoing Accumulative Capital Outlay Program.

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

### QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	1,249	8.0	5
2: Minor to Moderate	837	5.4	4
3: Moderate	11,646	74.7	39
4: Significant	1,858	11.9	6
5: Most Significant	0	0	0
TOTAL	15,590	100.0	54

### CONDITION ASSESSMENT PROJECTS

The Sewer Condition Assessment Program performed the condition assessment of the sewer lines within the unincorporated County maintained by the East Yard according to the following schedule:

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2005-2006	Y0TV0506A	34,256	2.0	COMPLETED
2006-2007	Y0TV0607C	9,475	0.6	COMPLETED
2007-2008	Y0TV0708B	252,069	14.7	COMPLETED
2008-2009	Y0TV0809B	5,167	0.3	COMPLETED
2009-2010	Y0TV0910B	227,704	13.2	COMPLETED
2010-2011	Y0TV1011B	286,741	16.7	COMPLETED
2011-2012	Y0TV1112A	643,390	37.5	REPORT IN PROGRESS
2013-2014	Y0TV1314B1	243,157	14.1	REPORT IN PROGRESS
2013-2014	Y0TV1415B2	15,590	0.9	COMPLETED
TOTAL		1,717,549	100.0	

ENCLOSURE 1:

Project Overview Map

OVERVIEW MAP



Legend

SMD Sanitary Sewers

SMD Manholes

U Other

Manhole Type

( Standard

\* DROP

Shallow

W Trap

? Siphon

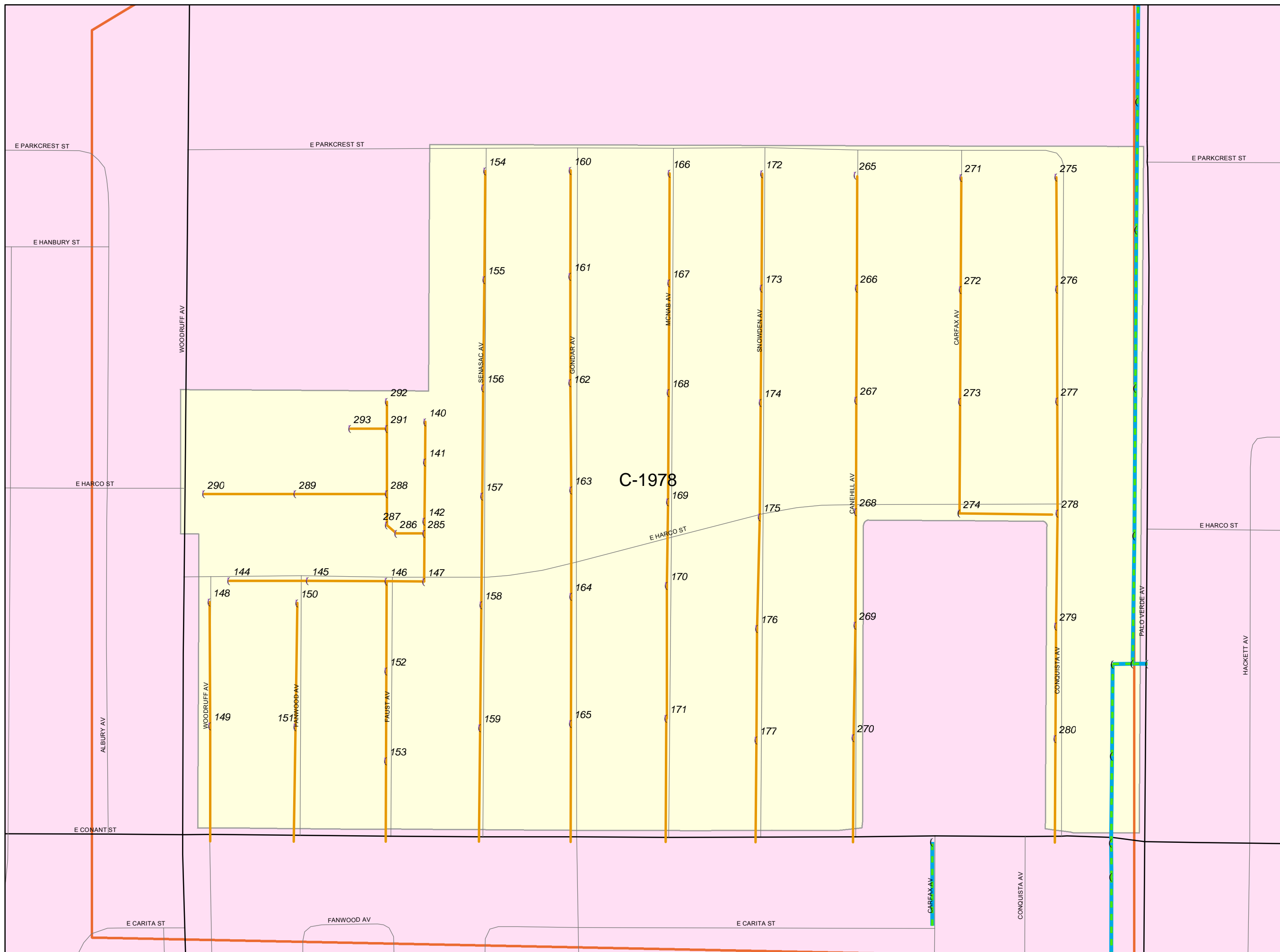
SMD Pump Stations

SMD Treatment Plants

Trunk Sewerlines

Y0TV1314B2

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## ENCLOSURE 2:

- Quick Maintenance Rating Map
- Sample Lateral Notice Letter



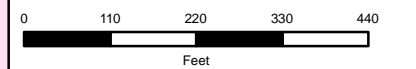
# ENCLOSURE 2

CCTV PROJECT

## Y0TV1314B2

UNINCORPORATED  
COUNTY

QUICK  
MAINTENANCE  
RATING  
(QMR)



### Legend

#### SMD Sanitary Sewers

##### QMR

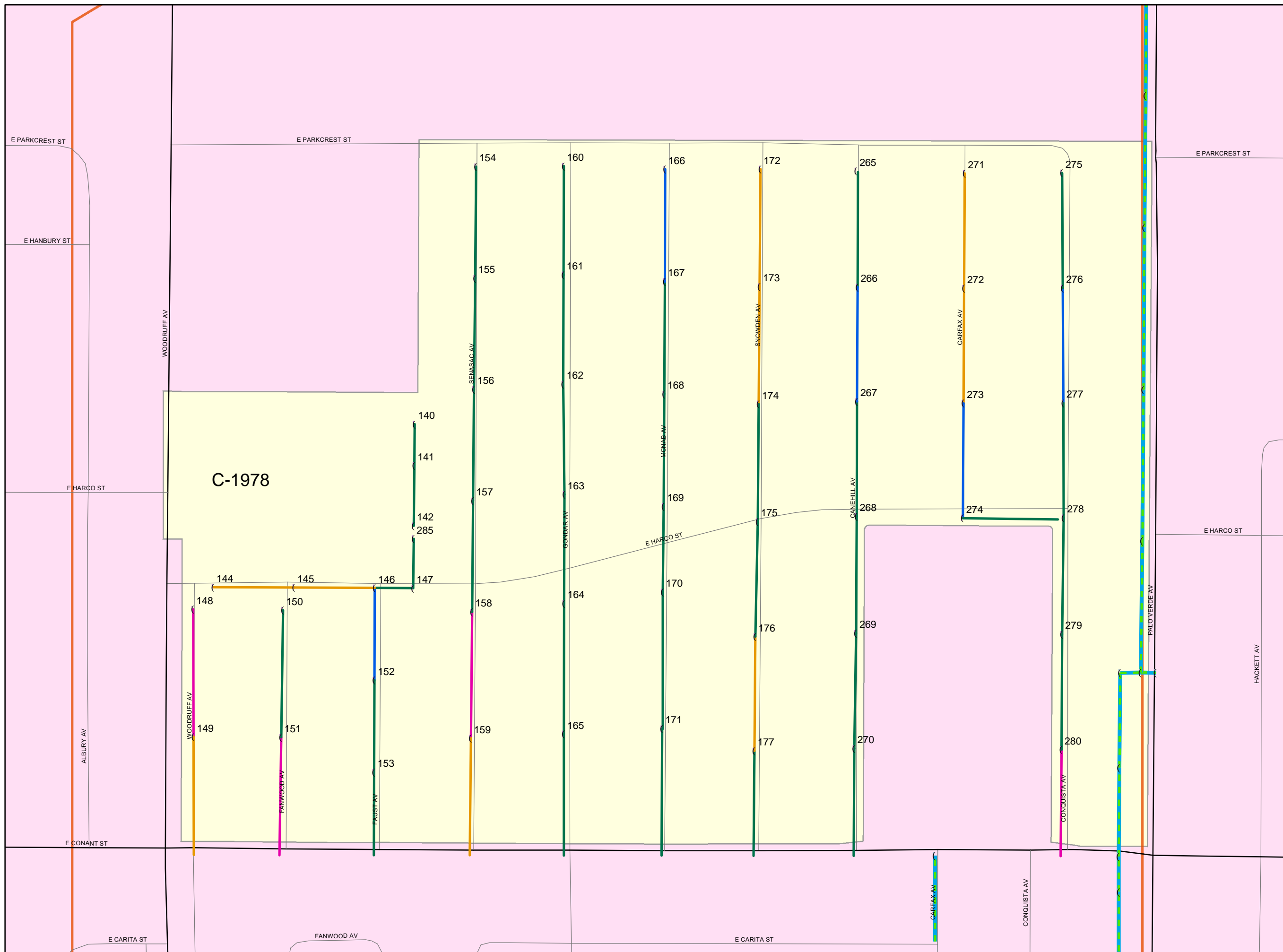
- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
- 4: SIGNIFICANT

#### SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants
- Trunk Sewerlines
- SMD Operation Map
- Y0TV1314B2

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September, 2018





## 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.

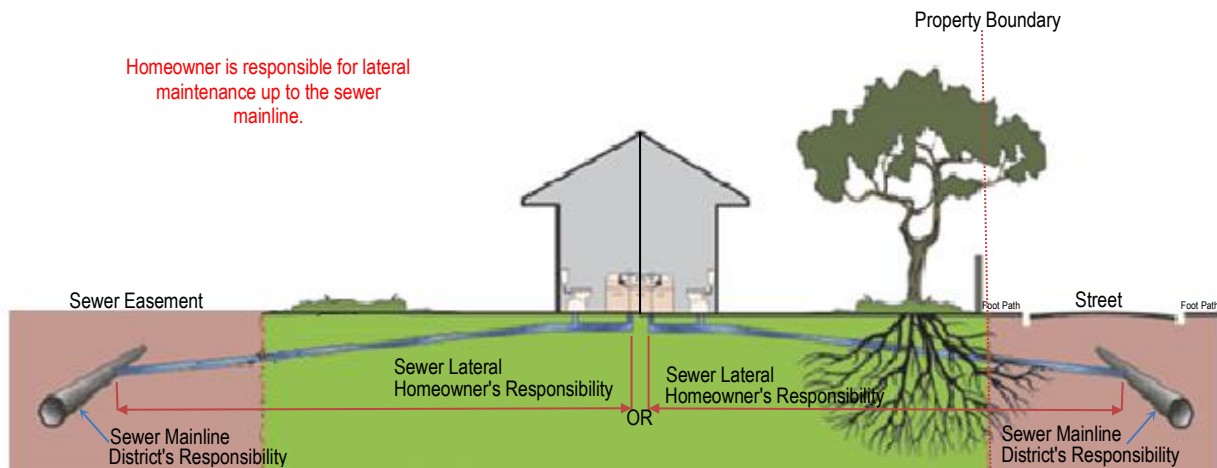
If you have recently cleaned your sewer later, no further action is necessary. If you have any questions, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or [keskridge@dpw.lacounty.gov](mailto:keskridge@dpw.lacounty.gov).

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

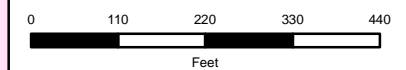
# ENCLOSURE 3

## CCTV PROJECT

# Y0TV1314B2

UNINCORPORATED  
COUNTY

## QUICK STRUCTURAL RATING (QSR)



### Legend

#### SMD Sanitary Sewers QSR

- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
- 4: SIGNIFICANT

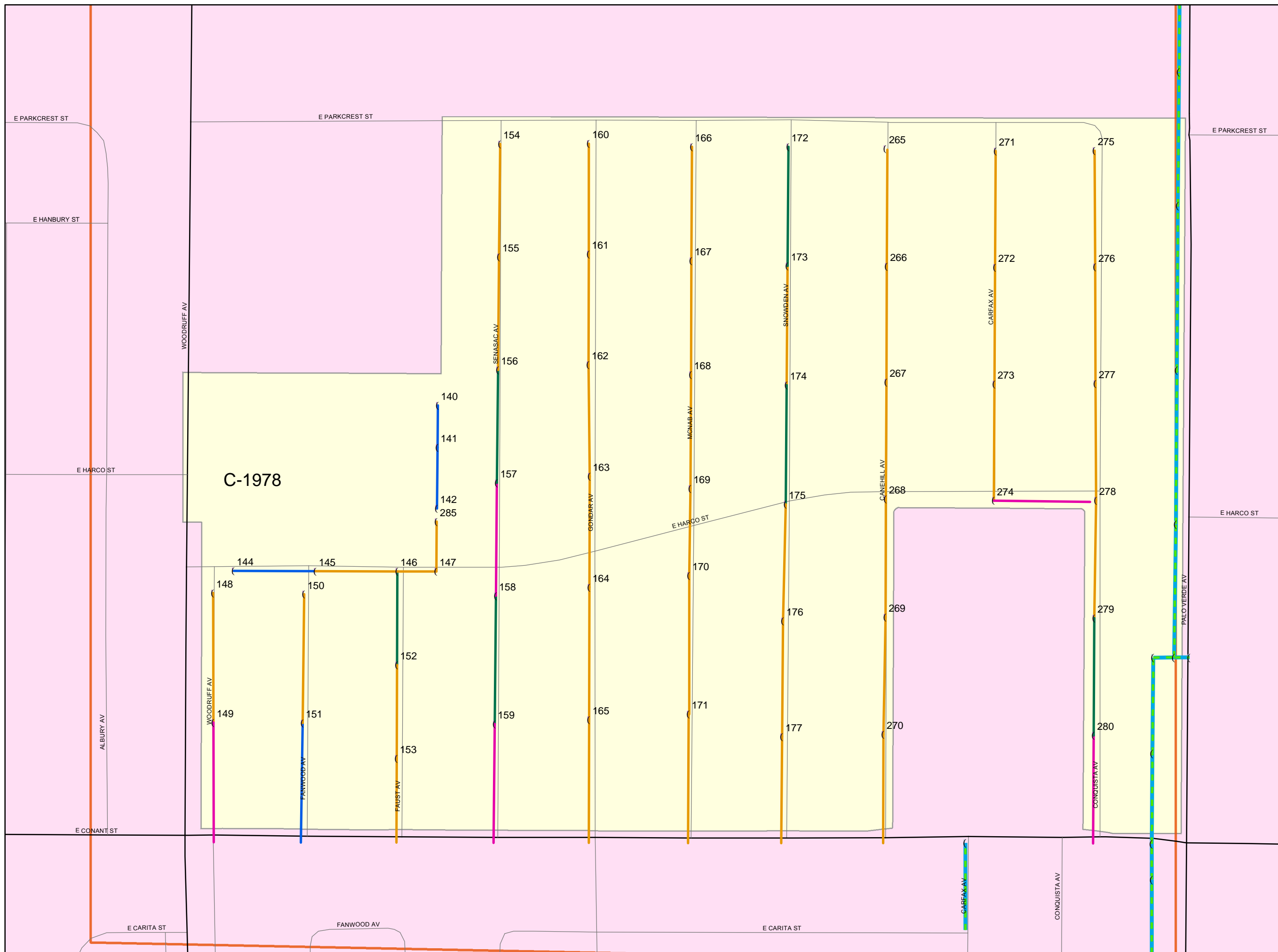
#### SMD Manholes

- U Other
- ( Standard
- \* DROP
- Shallow
- W Trap
- ? Siphon
- SMD Pump Stations
- SMD Treatment Plants

- Trunk Sewerlines
- SMD Operation Map
- Y0TV1314B2

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September, 2018



**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**UNINCORPORATED COUNTY OF LOS ANGELES CENTRAL YARD (Y0TV1314B2)**

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	1978-0280	1978-CITY	CONQUISTA AV	Fractures	No action needed*
2	1978-0157	1978-0158	SENASAC AV	Fractures	Lining
3	1978-0149	1978-CITY	WOODRUFF AV	Fractures	Lining
4	1978-0156	1978-0157	SENASAC AV	Fractures	Lining
5	1978-0159	1978-CITY	SENASAC AV	Fractures	No action needed*
6	1978-0274	1978-0278	HARCO ST	Fractures	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.