



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

March 20, 2019

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

Ms. Maryam Babaki,
Director of Public Works
City of Commerce
2535 Commerce Way
Commerce, CA 90040

Attention Ms. Lena Shumway

Ms. Babaki:

**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 its condition assessment of the City of Commerce's sewer system.

The enclosed Condition-Assessment Report provides a summary of the maintenance and structural condition of your sewer mainlines. Please note that two previous reports covering the balance of your system were transmitted on January 5, 2012, and May 28, 2014. The information contained in all three 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 cleaning and 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.

Ms. Maryam Babaki
March 20, 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.

Very truly yours,

MARK PESTRELLA
Director of Public Works

A handwritten signature in black ink, appearing to read 'William J. Winter', written in a cursive style.

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

JG:nv
H:\SMHOME\SEWER\2019\LETTERS & MEMOS\1197.DOCX

Enc.

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

100% SUMMARY

SUP.	1	City:	Commerce
DISTRICT(S)			

Report By:	Jonathan Gonzalez	Report Date:	9/17/2018
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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 261,351 feet or 100 percent of the City of Commerce’s (City) sewer system.

The closed-circuit television inspection of the City was completed in three phases (Project Nos. Y0TV0809B, Y0TV1011A, and Y0TV1314B2). A copy of the Condition-Assessment Reports for Project Nos. Y0TV0809B and Y0TV1011A 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 86.7 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. The remaining 13.3 percent of the inspected pipe segments 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. We have taken corrective actions to address the maintenance issues 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	61,339	23.5	266
2: Minor to Moderate	165,161	63.2	732
3: Moderate	13,426	5.1	55
4: Significant	17,225	6.6	68
5: Most Significant	4,200	1.6	16
TOTAL	261,351	100.0	1,137

SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 86.1 percent of the inspected pipe segments within the City were free of significant structural defects. The remaining 13.9 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.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT OF TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	131,381	50.2	622
2: Minor to Moderate	30,951	11.8	122
3: Moderate	62,885	24.1	255
4: Significant	30,111	11.5	117
5: Most Significant	6,217	2.4	21
TOTAL	261,351	100.0	1,137

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

PROJECT NAME:	Y0TV1314B2	PROJECT MGR:	ERIC LIU
PROJECT DATE:	7/23/2014	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	1	MAP PAGE(S):	1915, 1916, 1969, 1970
Report By:	Jonathan Gonzalez	Report Date:	9/17/2018

INTRODUCTION

The District conducted a condition assessment of 89,591 feet or 34.3 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 Priority 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 Commerce, Glendora, Industry, La Cañada Flintridge 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 85.8 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 14.2 percent of the pipe segments 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 for enhanced maintenance.

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	58,831	65.7	255
2: Minor to Moderate	18,009	20.1	68
3: Moderate	6,003	6.7	20
4: Significant	5,080	5.7	20
5: Most Significant	1,668	1.8	7
TOTAL	89,591	100.0	370

Lateral Notices

The maintenance inspection reports also include 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 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 73.2 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 26.8 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 88 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	23,155	25.8	117
2: Minor to Moderate	13,531	15.1	52
3: Moderate	28,920	32.3	113
4: Significant	20,511	22.9	76
5: Most Significant	3,474	3.9	12
TOTAL	89,591	100.0	370

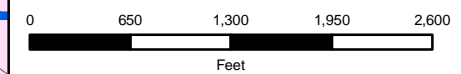
CONDITION ASSESSMENT PROJECTS

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

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2008-09	Y0TV0809B	117,148	44.8	COMPLETED
2010-11	Y0TV1011A	54,612	20.9	COMPLETED
2013-14	Y0TV1314B2	89,591	34.3	COMPLETED
TOTAL		261,351	100.0	

ENCLOSURE 1:

Project Overview Map



Legend

SMD Sanitary Sewers

SMD Manholes

U Other

Manhole Type

(Standard

* DROP

Shallow

W Trap

? Siphon

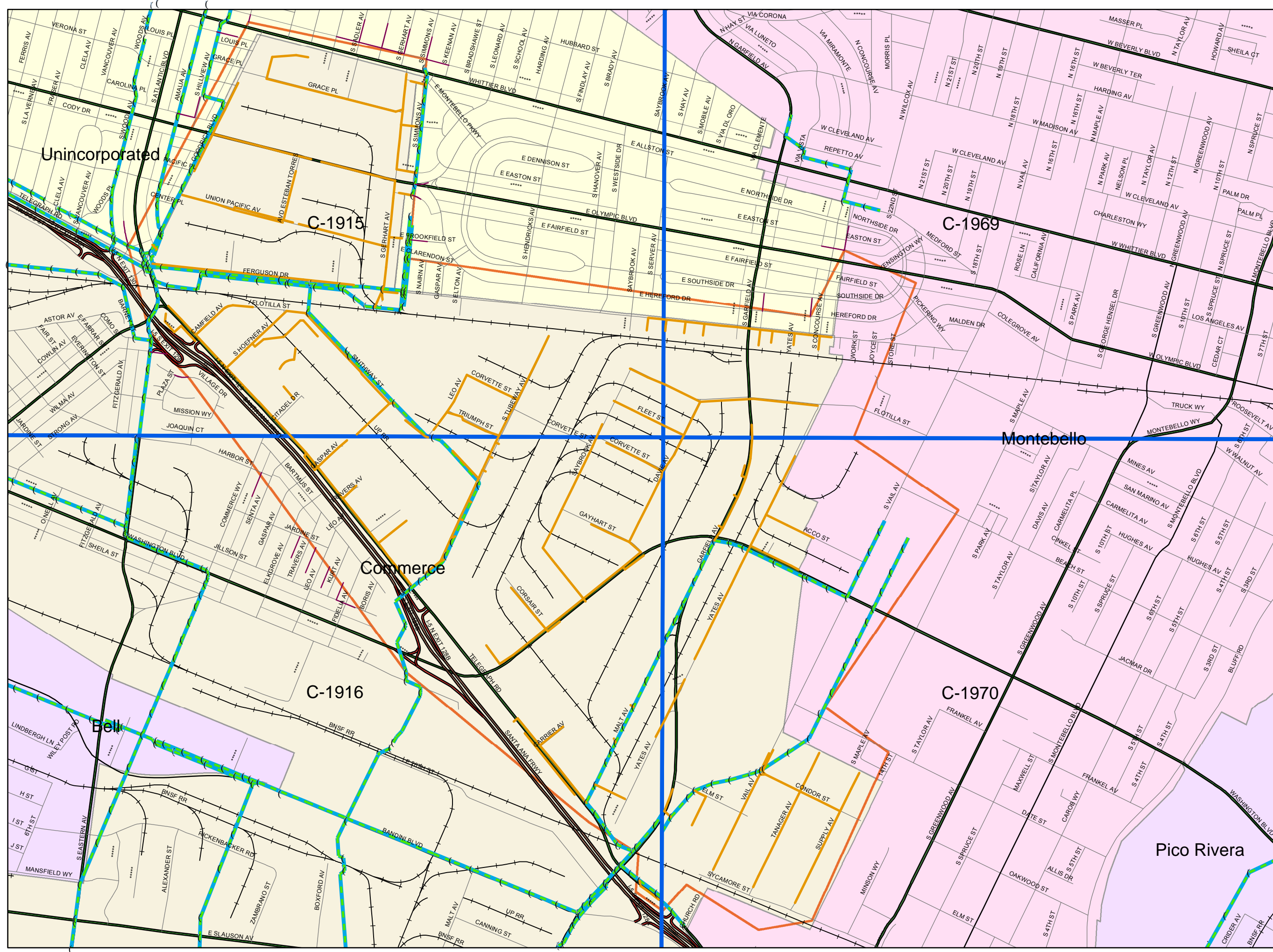
I SMD Pump Stations

SMD Treatment Plants

Trunk Sewerlines

Y0TV1314B2

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ENCLOSURE 2:

- Quick Maintenance Rating Map
- Sample Lateral Notice

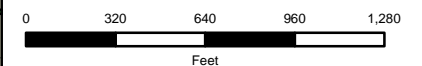
ENCLOSURE 2

CCTV PROJECT

Y0TV1314B2

CITY OF
COMMERCE

QUICK
MAINTENANCE
RATING



Legend

SMD Sanitary Sewers

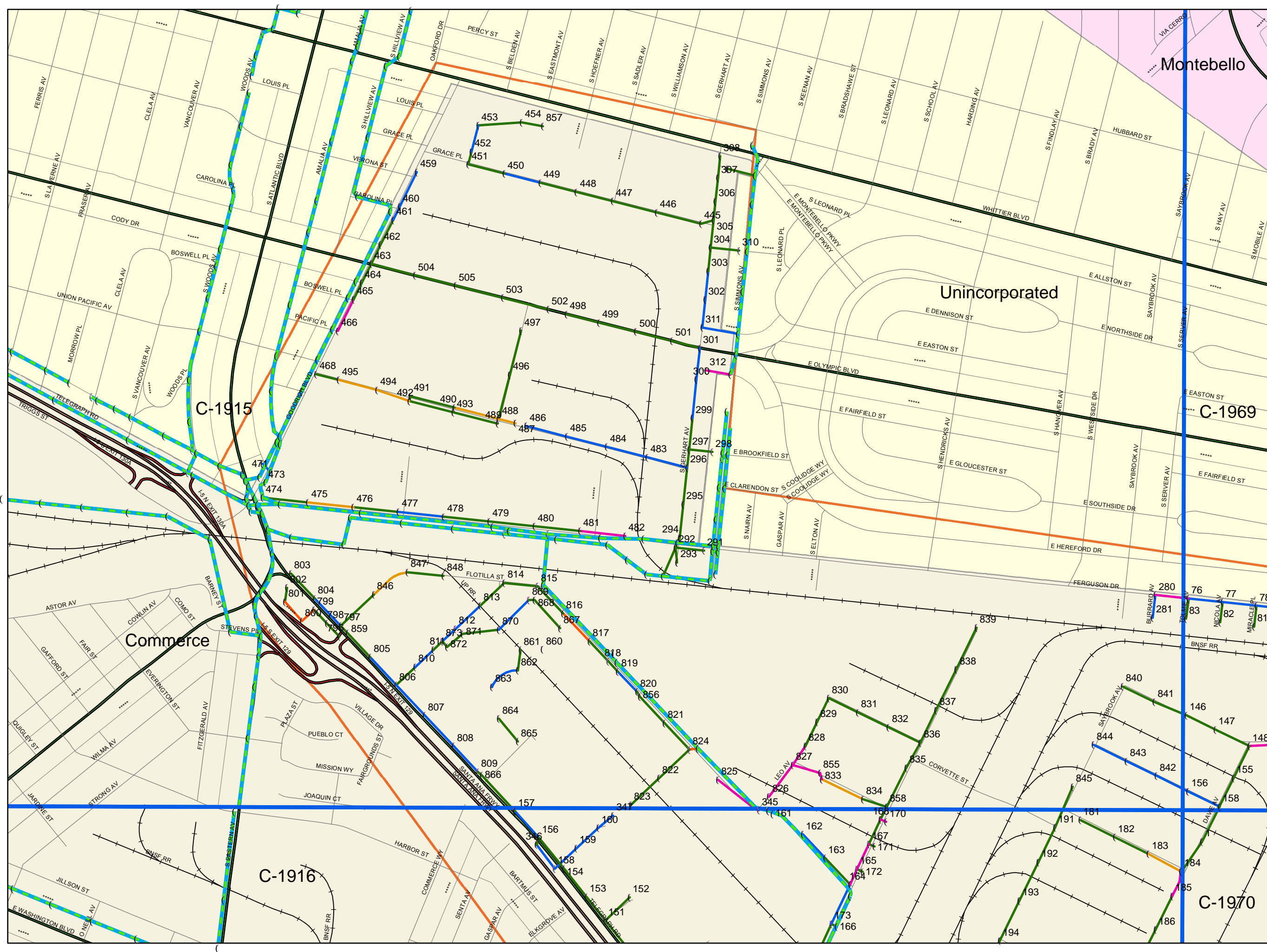
- QMR**
- 1: MINOR
 - 2: MINOR TO MODERATE
 - 3: MODERATE
 - 4: SIGNIFICANT
 - 5: MOST SIGNIFICANT

SMD Manholes

- U Other
- Manhole Type
 - (Standard
 - * DROP
 - Shallow
 - W Trap
 - ? Siphon
 - I SMD Pump Stations
 - SMD Treatment Plants
- Trunk Sewerlines
- SMD Operation Map
- Y0TV1314B2

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September 2018



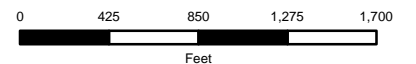
ENCLOSURE 2

CCTV PROJECT

Y0TV1314B2

CITY OF
COMMERCE

QUICK
MAINTENANCE
RATING



Legend

SMD Sanitary Sewers

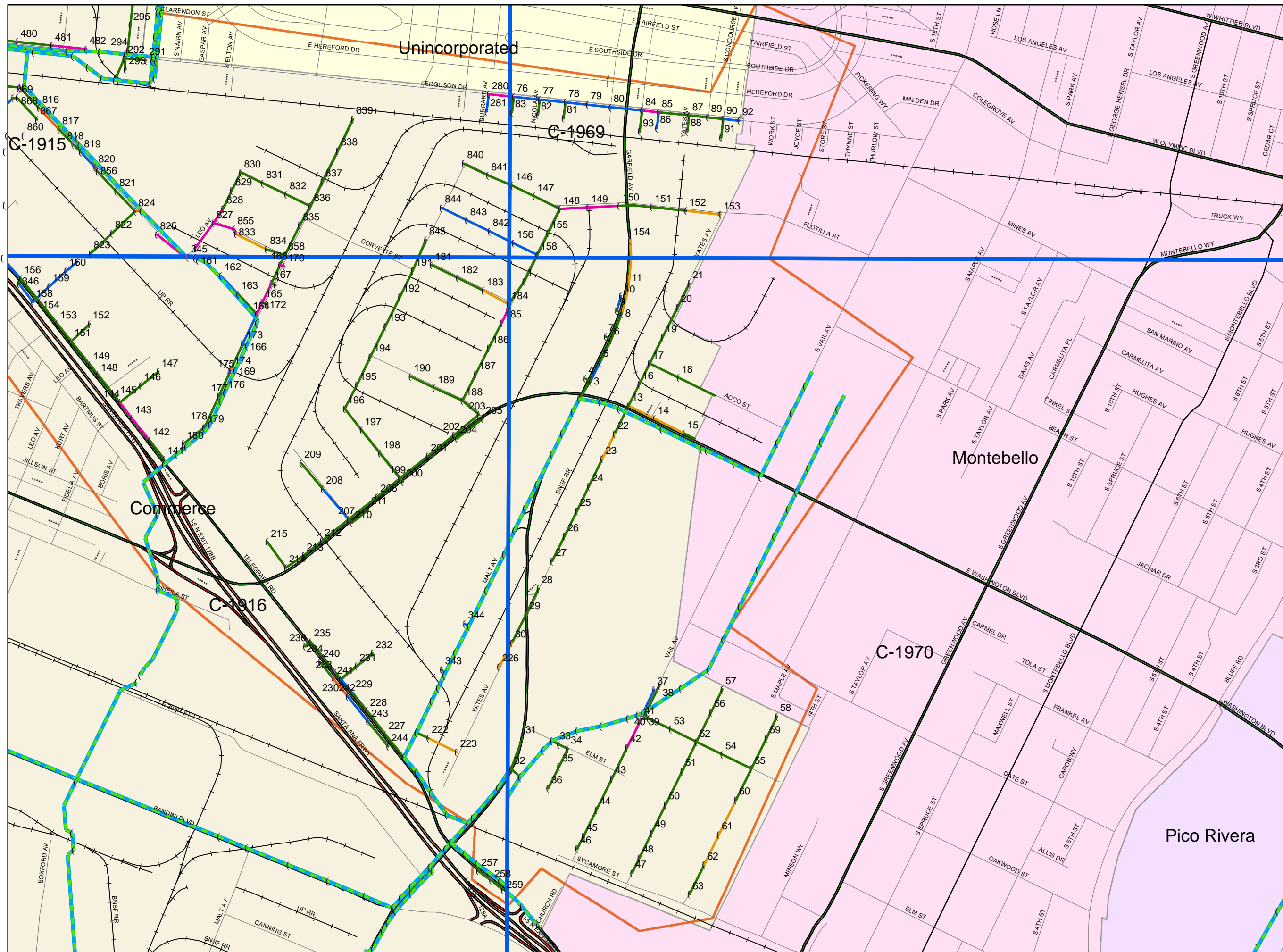
- QMR**
- 1: MINOR
 - 2: MINOR TO MODERATE
 - 3: MODERATE
 - 4: SIGNIFICANT
 - 5: MOST SIGNIFICANT

SMD Manholes

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

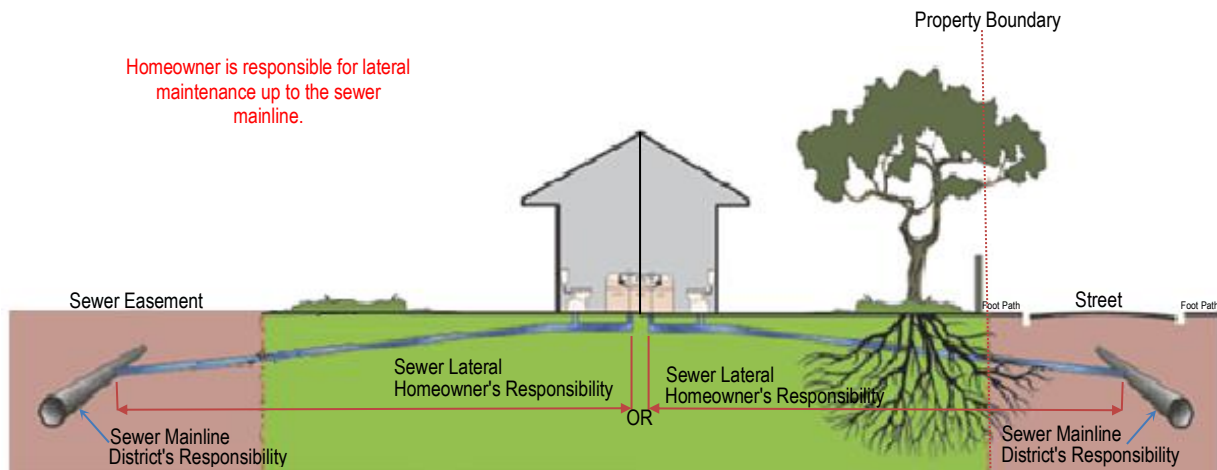
If you have recently cleaned your sewer later, no further action is necessary. If you have any questions, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or keskridge@dpw.lacounty.gov.

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 COMMERCE (Y0TV1314B2)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	1915-0502	1915-0503	OLYMPIC BV	Hole	No action needed*
2	1915-0488	1915-0490	UNION PACIFIC AV	Multiple Fractures	Lining
3	1916-0345	1915-0825	SMITHWAY ST	Broken	Retelevise/Re-evaluate
4	1916-0189	1916-0188	GAYHART ST	Broken	Lining
5	1916-0182	1916-0183	CORVETTE ST	Hole	No action needed*
6	1915-0803	1915-0804	TELEGRAPH RD	Hole	No action needed*
7	1916-0177	1916-0179	TUBEWAY AV	Broken	Point Repair
8	1915-0804	1915-0797	TELEGRAPH RD	Hole	Lining
9	1915-0817	1915-0816	SMITHWAY ST	Hole	No action needed*
10	1916-0194	1916-0195	SAYBROOK AV	Hole	No action needed*
11	1915-0473	1915-0474	GOODRICH BLVD	Hole	No action needed*
12	1969-0087	1969-0088	YATES AV	Broken	No action needed*
13	1915-0458	1915-0459	GOODRICH BLVD	Deformed	No action needed*
14	1915-0447	1915-0446	GRACE PL	Fracture Multiple, Crack	Lining
15	1915-0464	1915-0465	GOODRICH BV	Fractures Multiple	No action needed*
16	1915-0457	1915-0458	GOODRICH BLVD	Deformed	No action needed*
17	1970-0062	1970-0061	SUPPLY AV	Fracture Multiple, Crack	No action needed*
18	1970-0037	1970-TRNK	VIAL ST	Joint Offset	No action needed*
19	1915-0446	1915-0445	GRACE PL	Fracture Multiple	No action needed*
20	1915-0801	1915-0800		Tap Break-in Intruding	No action needed*
21	1915-0456	1915-0457	GOODRICH BLVE	Deformed	No action needed*
22	1915-0476	1915-0475	FERGUSON DR	Fracture Multiple	No action needed*
23	1916-0213	1916-0212	WASHINGTON BV	Fracture Multiple	No action needed*
24	1915-0475	1915-0474	FERGUSON DR	Fracture Multiple, Crack	No action needed*
25	1915-0281	1915-0280	BURRARD AV	Fracture Multiple, Crack	No action needed*
26	1915-0834	1915-0833	TRIUMPH ST	Fracture Multiple	No action needed*
27	1915-0477	1915-0476	FERGUSON DR	Fracture Multiple, Crack	No action needed*
28	1970-0045	1970-0044	VIAL ST	Fracture Multiple	No action needed*
29	1915-0484	1915-0483	UNION PACIFIC AV	Fracture Multiple, Crack	No action needed*
30	1915-0492	1915-0494	UNION PACIFIC AV	Fracture Multiple	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
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF COMMERCE (Y0TV1314B2)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
31	1915-0827	1915-0826	LEO AV	Cracks	No action needed*
32	1970-0020	1970-0019	YATES AV	Fracture Multiple, Crack	No action needed*
33	1916-0168	1916-0167	TUBEWAY AV	Fracture Multiple	No action needed*
34	1916-0167	1916-0165	TUBEWAY AV	Fracture Multiple, Crack	No action needed*
35	1970-0061	1970-0060	SUPPLY AV	Fracture Multiple, Crack	No action needed*
36	1915-0493	1915-0492	UNION PACIFIC AV	Fracture Multiple, Crack	No action needed*
37	1970-0019	1970-0017	YATES AV	Fracture Multiple, Crack	No action needed*
38	1969-0090	1969-0092	FERGUSON DR	Fracture Multiple, Crack	No action needed*
39	1915-0303	1915-0302	GERHART AV	Fracture Multiple	No action needed*
40	1915-0483	1915-0296	UNION PACIFIC AV	Fracture Multiple, Crack	No action needed*
41	1969-0085	1969-0087	FERGUSON DR	Fracture Multiple, Crack	No action needed*
42	1969-0152	1969-0151	FLOTILLA ST	Fracture Multiple	No action needed*
43	1916-0162	1916-0163	SMITHWAY ST	Fracture Multiple	No action needed*
44	1916-0207	1916-0212	WASHINGTON BV	Fracture Multiple	No action needed*
45	1969-0087	1969-0089	FERGUSON DR	Fracture Multiple	No action needed*
46	1915-0486	1915-0485	UNION PACIFIC AV	Fracture Multiple	No action needed*
47	1916-0191	1916-0192	SAYBROOK AV	Fracture Multiple	No action needed*
48	1915-0490	1915-0491	UNION PACIFIC AV	Fracture Multiple	No action needed*
49	1915-0824A	1915-0824	SMITHWAY ST	Fracture Multiple	No action needed*
50	1915-0835	1915-0858	TUBEWAY AV	Fracture Multiple	No action needed*
51	1970-0038	1970-TRNK	VIAL ST	Fracture Multiple	No action needed*
52	1970-0063	1970-0062	SUPPLY AV	Cracks	No action needed*
53	1970-0060	1970-0055	SUPPLY AV	Fracture Multiple	No action needed*
54	1915-0480	1915-0479	FERGUSON DR	Cracks	No action needed*
55	1969-0150	1969-0149	FLOTILLA ST	Fracture Multiple	No action needed*
56	1915-0465	1915-0466	GOODRICH BV	Fracture Multiple	No action needed*
57	1969-0084	1969-0085	FERGUSON DR	Fracture Multiple	No action needed*
58	1915-0846	1915-0797	CAMFIELD AV	Fracture Multiple	No action needed*
59	1915-0304	1915-0303	GERHART AV	Fracture Multiple	No action needed*
60	1916-0164	1916-0173	TUBEWAY AV	Fracture Multiple	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
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF COMMERCE (Y0TV1314B2)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
61	1970-0042	1970-0041	VIAL ST	Fracture Multiple	No action needed*
62	1915-0481	1915-0480	FERGUSON DR	Fracture Multiple	No action needed*
63	1970-0018	1970-0017	ACCO ST	Cracks	No action needed*
64	1915-0472	1915-0471	GOODRICH BV	Fracture Multiple	No action needed*
65	1916-0198	1916-0199	SAYBROOK AV	Fracture Multiple	Point Repair
66	1916-0188	1916-0203	GAYHART ST	Fracture Multiple	No action needed*
67	1915-0482	1915-0481	FERGUSON DR	Fracture Multiple	No action needed*
68	1915-0478	1915-0477	FERGUSON DR	Fracture Multiple	No action needed*
69	1970-0056	1970-0052	TANAGER AV	Fracture Multiple	No action needed*
70	1969-0085	1969-0086	DENMAN AV	Fracture Multiple	No action needed*
71	1969-0077	1969-0082	NICOLA AV	Fracture Multiple	No action needed*
72	1916-0214	1916-0213	WASHINGTON BV	Fracture Multiple	No action needed*
73	1969-0084	1969-0093	ALLEY	Fracture Multiple	No action needed*
74	1916-0195	1916-0196	SAYBROOK AV	Fracture Multiple	No action needed*
75	1916-0165	1916-0164	TUBEWAY AV	Fracture Multiple	No action needed*
76	1916-0199	1916-0206	WASHINGTON BV	Fracture Multiple	No action needed*
77	1915-0825	1915-0824A	SMITHWAY ST	Fracture Multiple	No action needed*
78	1969-0090	1969-0091	CONCOURSE AV	Fracture Multiple	No action needed*
79	1915-0495	1915-0468	UNION PACIFIC AV	Fracture Multiple	No action needed*
80	1915-0299	1915-0297	GERHART AV	Fracture Multiple	No action needed*
81	1916-0192	1916-0193	SAYBROOK AV	Fracture Multiple	No action needed*
82	1916-0223	1916-0222	YATES AV	Fracture Multiple	No action needed*
83	1915-0856	1915-0821	SMITHWAY ST	Fracture Multiple	No action needed*
84	1970-0033	1970-TRNK	ELM ST	Fracture Multiple	No action needed*
85	1915-0820	1915-0819	SMITHWAY ST	Fracture Multiple	Point Repair
86	1915-0843	1915-0842	FLEET ST	Fracture Multiple	No action needed*
87	1969-0146	1969-0147	FLOTILLA ST	Fracture Multiple	No action needed*
88	1916-0259	1916-0258	TELEGRAPH RD	Fracture Multiple	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.

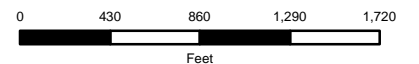
ENCLOSURE 3

CCTV PROJECT

Y0TV1314B2

CITY OF COMMERCE

QUICK STRUCTURAL RATING



Legend

SMD Sanitary Sewers

- QSR**
- 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
- Y0TV1314B2

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