



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

May 2, 2013

IN REPLY PLEASE

REFER TO FILE:

SM-1

Mr. Amad Quttan, City Engineer
City of La Habra Heights
1245 North Hacienda Road
La Habra Heights, CA 90631

Attention Mr. Dave Nichols

Dear Mr. Quttan:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV1011A**

This letter is to inform you that as part of our 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 11,375 feet or 100 percent of the City of La Habra Height's sewer system.

The enclosed report outlines the structural and maintenance ratings of your system based on the Pipeline Assessment and Certification Program's (PACP Version 6.0.1) 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 Map (Enclosure 3)

Mr. Amad Quttan
May 2, 2013
Page 2

The Condition Assessment Report provides details regarding the maintenance and structural condition of your City's sewer mainlines. This information should 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, where appropriate, incorporated into our enhanced maintenance schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of our ongoing Accumulative Capital Outlay Program.

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 rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works



RAJESH PATEL
Assistant Deputy Director
Sewer Maintenance Division

 MH:sb

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Enc.

bc: Program Development (Huang)
RP, MM, RS, FV, File (Project No. Y0TV1011A), SPINDLE

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

PROJECT NAME:	Y0TV1011A	PROJECT MGR:	Eric Liu
PROJECT DATE:	08/31/11	CONTACT NO:	(626) 300-3380
SUP. DISTRICT(s):	4	MAP PAGE(S):	2175, 2221
Report By:	May Hong	Report Date:	04/10/2013

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 closed-circuit television (CCTV) inspection of 11,375 feet (100 percent) of the City of La Habra Height's (City) sewer system.

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP Version 6.0.1) Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project Y0TV1011A included sewer lines located in the Cities of Commerce, Diamond Bar, Glendora, Irwindale, La Habra Heights and the County of Los Angeles unincorporated areas. 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	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

MAINTENANCE REPORT

Our inspection revealed that approximately 89.9 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 10.1 percent of the inspected pipe segments within the City area 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 an enhanced cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

In addition, 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. SEGMENTS
1: Minor	0	0	0
2: Minor to Moderate	10,223	89.9	52
3: Moderate	699	6.1	3
4: Significant	453	4.0	2
5: Most Significant	0	0	0
TOTAL	11,375	100.0	57

Lateral Notices

Also included on the Quick Maintenance Rating Report Priority List are deficiencies discovered inside lateral connections to 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. A letter will be sent to the lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

High Water Levels

Our inspection revealed that there are no high water levels in your system. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which have indicated camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50 percent of the diameter of sewer pipe is full of water. However, there are particular conditions in which the water level or water mark has reached 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line.

Infiltration

Our inspection revealed no infiltration within your City's sewer system. Infiltration is the ingress of groundwater into the sewers through a defect or porous area of the pipe wall.

STRUCTURAL REPORT

Our inspection revealed that 100 percent of the inspected pipe segments within the City were free of severe structural defects. Severe structural defects are identified when pipe segments had a PACP structural grade of 4 and 5. As indicated in the Quick Structural Rating Table shown below, our inspection revealed there are no severe structural defects in your system.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	10,989	96.6	55
2: Minor to Moderate	0	0	0
3: Moderate	386	3.4	2
4: Significant	0	0	0
5: Most Significant	0	0	0
TOTAL	11,375	100.0	57

ENCLOSURE 1:

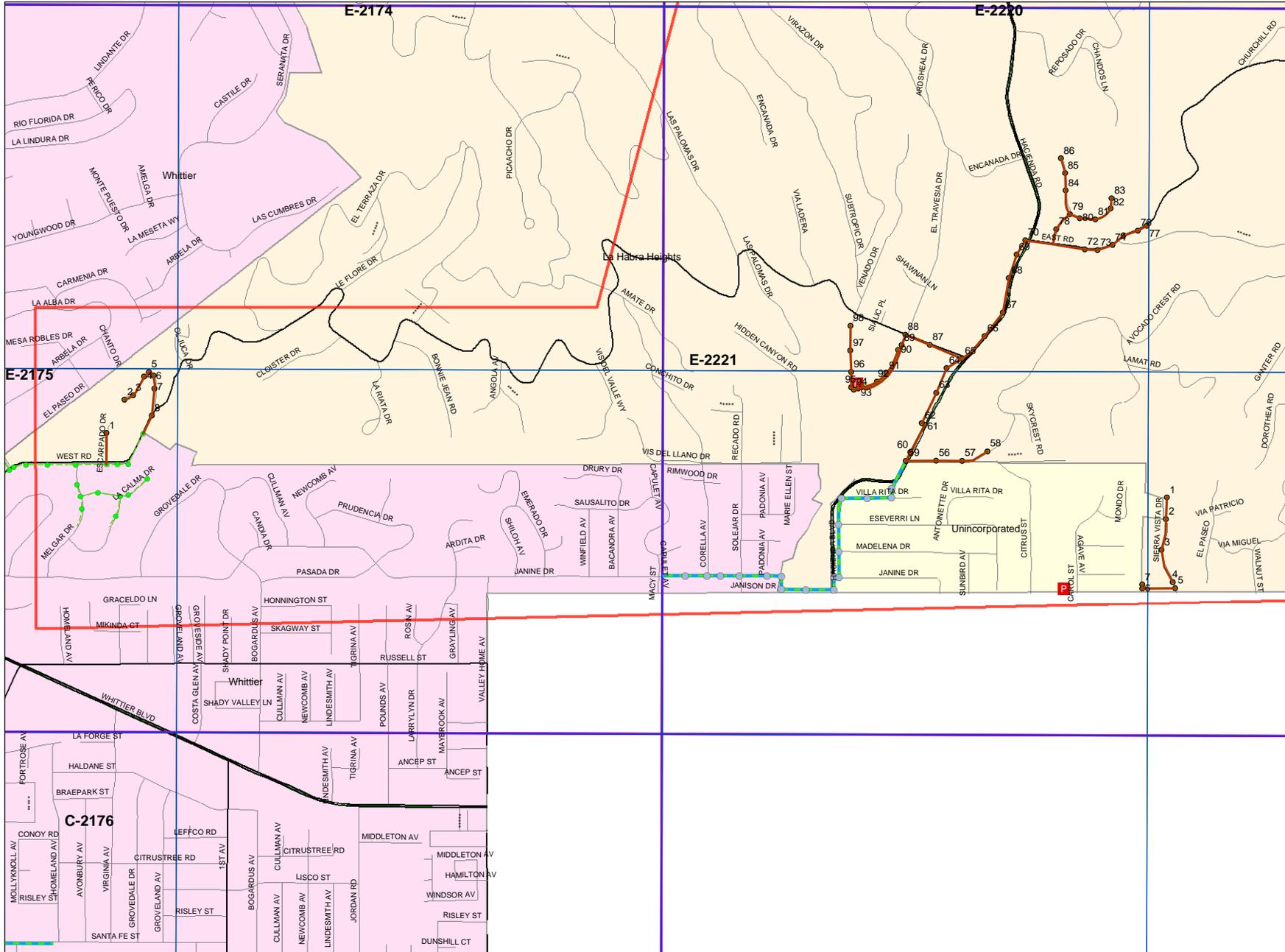
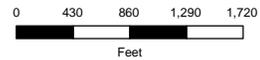
Project Overview Map

OVERVIEW MAP

CCTV PROJECT

Y0TV1011A

LA HABRA HEIGHTS



Legend

— Sewer Pipe

SMD Manholes

⊗ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

--- Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

□ CCTV PROJECT AREA

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APRIL 2013

ENCLOSURE 2:

- Quick Maintenance Rating Report
Priority List
- Quick Maintenance Rating Map
- Sample Lateral Notice Letter

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF LA HABRA HEIGHTS (Y0TV1011A)
as of 08/31/11

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN	DATE COMPLETED
1	3121	2221-0056	2221-0059	AVOCADO CREST RD	Roots	Hydrojet	03/28/13
2	4221	2175-0002	2175-0003	CANCHO DR	Root ball	Hydrojet	03/28/13
3	3121	2221-0002	2221-0003	SIERRA VISTA DR	Grease; roots	Hydrojet	03/28/13
4	4121	2221-0003	2221-0004	SIERRA VISTA DR	Root ball	Hydrojet	03/28/13
5	3121	2221-0004	2221-0005	SIERRA VISTA DR	Roots	Hydrojet	03/28/13

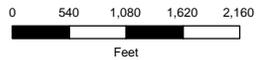
ENCLOSURE 2

CCTV PROJECT

Y0TV1011A

LA HABRA HEIGHTS

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewer

- QMR
- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
- : SIGNIFICANT
- : MOST SIGNIFICANT

SMD Manholes

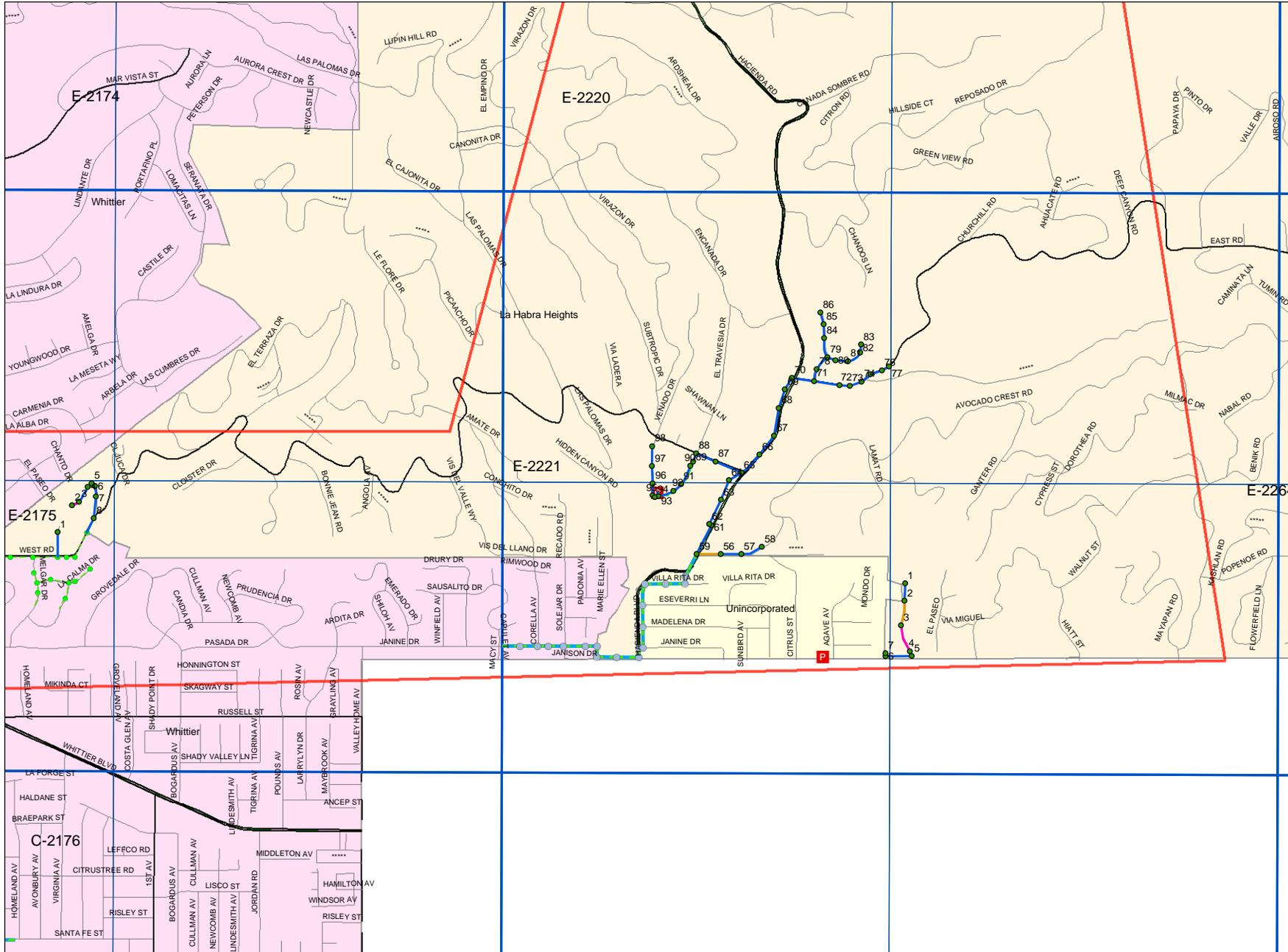
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV PROJECT AREA

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COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

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

{date}

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

Dear:

SEWER LATERAL ROOT INTRUSION

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this courtesy notice informing you that the sewer lateral serving the property located at XXXX, requires maintenance per **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."

Using closed-circuit television (CCTV) camera technology, the District recently televised the sanitary sewer mainline and discovered the presence of 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 a sanitary sewer overflow upstream of your property.

Since the CCTV inspection, the sewer mainline has been cleaned and blockages from root growth have been removed; however, the root blockage in your sewer lateral is still present. As 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 qualified plumbing contractor to service your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at XXXX to arrange for authorization to access the downstream manhole.

During your lateral service, your plumbing contractor must protect the District's sewer mainlines from dislodged roots and other debris by utilizing catcher baskets at the manhole downstream from your lateral connection.

After your lateral has been serviced, please notify the District office, XXXX, Sewer Maintenance Division, at XXXX.

For your reference, we have enclosed photos of your lateral connection showing the presence of the root blockage. Also enclosed are some literature on ways of minimizing sewer overflows and damage to your home.

Thank you for helping the Department of Public Works keep the public's sewers clean and in good working order.

Very truly yours,

GAIL FARBER
Director of Public Works

RAJESH PATEL
Assistant Deputy Director
Sewer Maintenance Division

XX:

Enc.

XXXX
Roots at Lateral Connection



Minimizing Sewer Overflows and Damage to Your Home

The sewer system within the County of Los Angeles Consolidated Sewer Maintenance District (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.

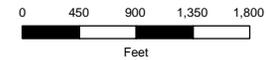
ENCLOSURE 3:

QUICK STRUCTURAL RATING MAP

ENCLOSURE 3 CCTV PROJECT Y0TV1011A

LA HABRA HEIGHTS

**QUICK
STRUCTURAL
RATING
(QSR)**



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

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
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