



MARK PESTRELLA, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

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

February 5, 2019

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

Ms. Julia Stewart  
Planning Director  
City of Rolling Hills  
2 Portuguese Bend Road  
Rolling Hills, CA 90274

Attention Mr. John Signo

Dear Ms. Stewart:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT  
CONDITION ASSESSMENT PROGRAM REPORT  
PROJECT NO. Y0TV1112C**

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 Rolling Hills' sewer system.

The enclosed Condition Assessment Report provides details regarding the maintenance and structural condition of your sewer mainlines. The information contained in the report 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.

Ms. Julia Stewart  
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.	4	CITY:	Rolling Hills
DISTRICT(S)			
Report By:	Clement Khong	Report Date:	1/7/2019

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**INTRODUCTION**

As part of the Sewer Condition Assessment Program, the Los Angeles County Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television inspection of 2,883 feet or 100 percent of the City of Rolling Hills' (City) sewer system.

**SUMMARY MAINTENANCE REPORT**

Our inspection revealed that approximately 89.4 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. The remaining 10.6 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. 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	2,014	69.9	13
2: Minor to Moderate	562	19.5	3
3: Moderate	0	0.0	0
4: Significant	0	0.0	0
5: Most Significant	307	10.6	1
TOTAL	2,883	100.0	17

## SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 100.0 percent of the inspected pipe segments within the City were free of significant structural defects.

### 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	1,608	55.8	11
2: Minor to Moderate	1,275	44.2	6
3: Moderate	0	0.0	0
4: Significant	0	0.0	0
5: Most Significant	0	0.0	0
<b>TOTAL</b>	<b>2,883</b>	<b>100.0</b>	<b>17</b>

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

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PROJECT NAME:	Y0TV1112C	PROJECT MGR:	Eric Liu
PROJECT DATE:	2/12/13	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	4	MAP PAGE(S):	1599
Report By:	Clement Khong	Report Date:	1/7/19

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**INTRODUCTION**

Los Angeles County Public Works Consolidated Sewer Maintenance District (District) conducted a condition assessment of 2,883 feet or 100.0 percent of the City's entire sewer system as part of Project No. Y0TV1112C.

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 (Enclosure 2)
- 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. Y0TV1112C included sewer lines located in the unincorporated County of Los Angeles and the Cities of Rolling Hills, Rolling Hills Estates, Lomita, Rancho Palos Verdes, and Paramount. 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 89.4 percent of the system televised in your City as part of Project No. Y0TV1112C was free of significant blockages or restrictions that would impede sewer flows. The remaining 10.6 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 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	2,014	69.9	13
2: Minor to Moderate	562	19.5	3
3: Moderate	0	0.0	0
4: Significant	0	0.0	0
5: Most Significant	307	10.6	1
TOTAL	2,883	100.0	17

### ***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 100 percent of the inspected pipe segments within the City were free of severe structural defects.

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 OF TOTAL INSPECTED PIPE LENGTH</b>	<b>NO. OF SEGMENTS</b>
1: Minor	1,608	55.8	11
2: Minor to Moderate	1,275	44.2	6
3: Moderate	0	0.0	0
4: Significant	0	0.0	0
5: Most Significant	0	0.0	0
TOTAL	2,883	100.0	17

### **CONDITION ASSESSMENT PROJECTS**

The Sewer Condition Assessment Program has performed the following condition assessment projects within the City of Rolling Hills:

<b>FISCAL YEAR</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)</b>	<b>PERCENTAGE OF SYSTEM</b>	<b>STATUS</b>
2011-12	Y0TV1112C	2,883	100.0	COMPLETED
TOTAL		2,883	100.0	

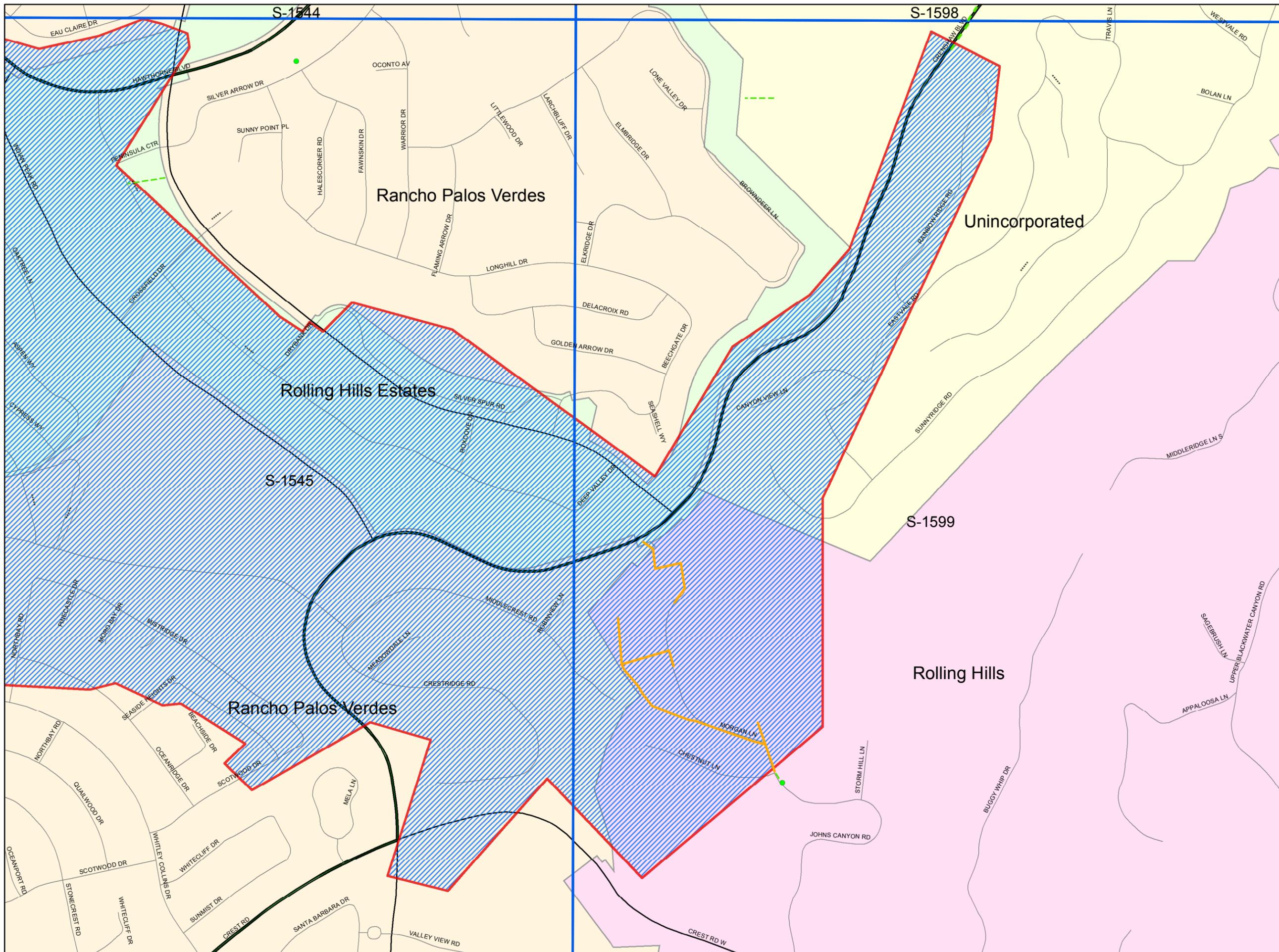
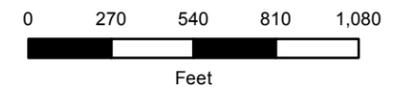
ENCLOSURE 1:

Project Overview Map

# OVERVIEW MAP

## CCTV PROJECT Y0TV112C

### CITY OF ROLLING HILLS



#### Legend

##### SMD Sanitary Sewers

— SMD Sanitary Sewers

##### SMD Manholes

⊙ Other

##### Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

■ SMD Pump Stations

■ SMD Treatment Plants

— Trunk Sewerlines

--- Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

▨ CCTV Project Area

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September 2018

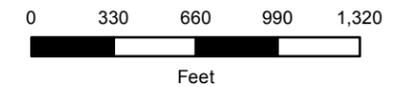
## ENCLOSURE 2:

- Quick Maintenance Rating Map

# ENCLOSURE 2 CCTV PROJECT Y0TV112C

**CITY OF  
ROLLING HILLS**

**QUICK  
MAINTENANCE  
RATING  
(QMR)**



### Legend

#### SMD Sanitary Sewers

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

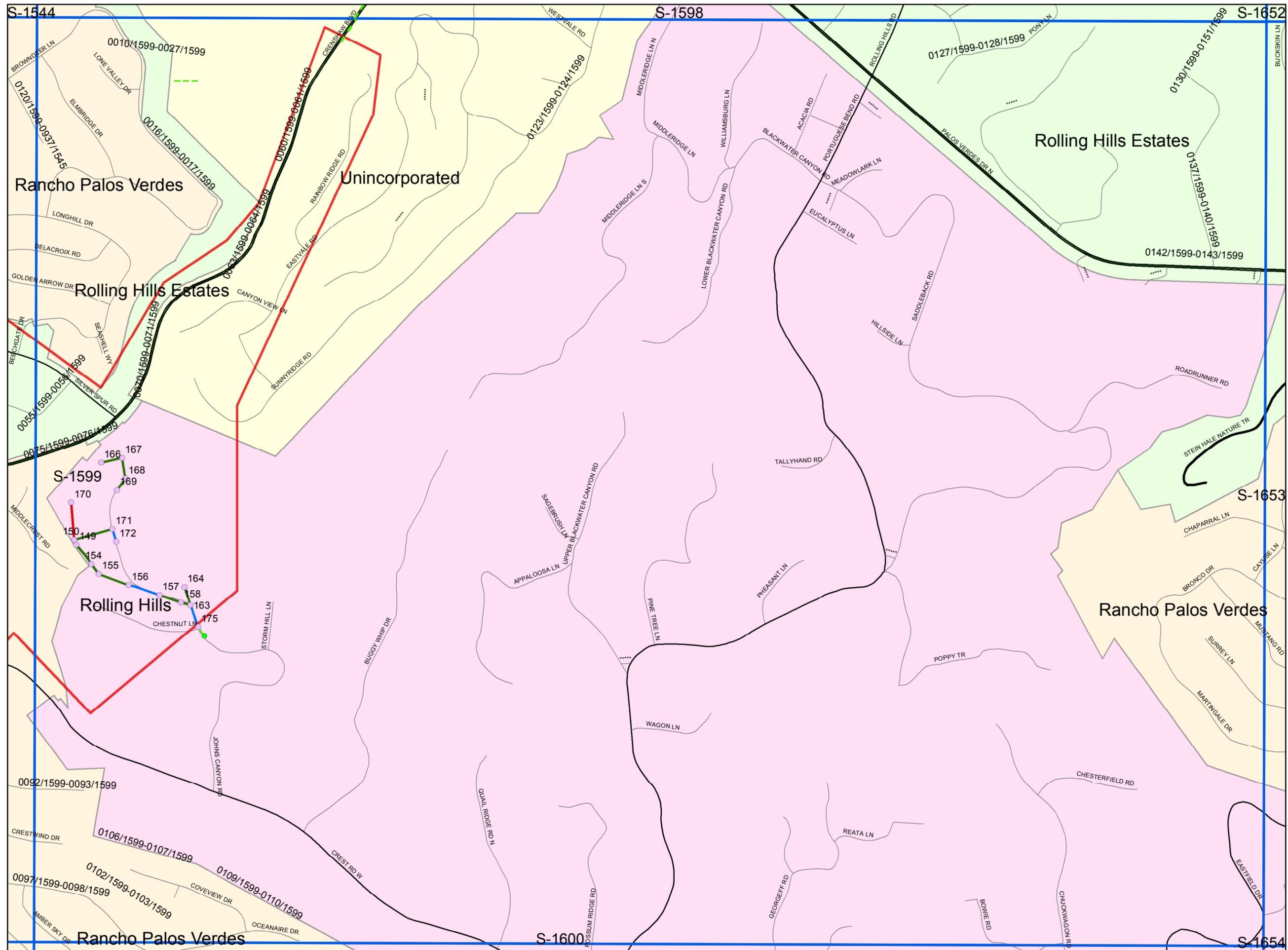
#### SMD Manholes

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

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV Project Area

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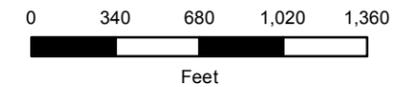
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## ENCLOSURE 3:

- Quick Structural Rating Map

**ENCLOSURE 3**  
**CCTV PROJECT**  
**Y0TV112C**

**CITY OF**  
**ROLLING HILLS**  
**QUICK**  
**STRUCTURAL**  
**RATING**  
**(QSR)**



**Legend**

**SMD Sanitary Sewers**

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

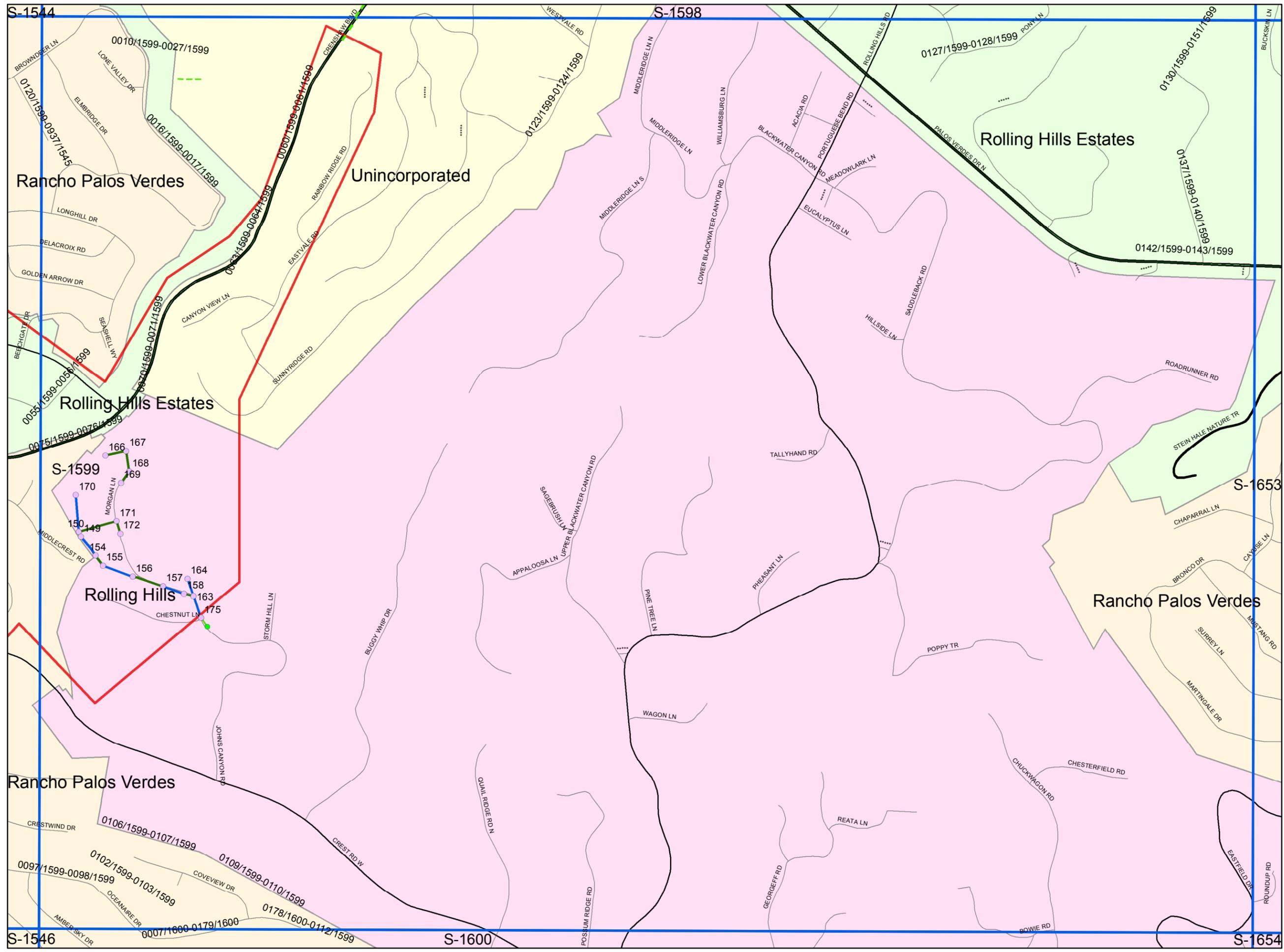
**SMD Manholes**

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

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV Project Area

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September 2018



S-1544

S-1598

S-1546

S-1600

S-1654

Rancho Palos Verdes

Unincorporated

Rolling Hills Estates

Rolling Hills Estates

Rolling Hills

Rancho Palos Verdes

Rancho Palos Verdes