



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

February 5, 2019

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

Mr. Mark McAvoy  
Director of Public Works  
City of Lomita  
24300 Narbonne Avenue  
Lomita, CA 90717

Attention Mr. Mondher Saied

Dear Mr. McAvoy:

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

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

Mr. Mark McAvoy  
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

CK:nv  
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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:        | Lomita   |
| DISTRICT(S) |               |              |          |
| Report By:  | 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 186,796 feet or 100 percent of the City of Lomita's (City) sewer system.

**SUMMARY MAINTENANCE REPORT**

Our inspection revealed that approximately 50.6 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. The remaining 49.4 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<br>GRADE      | PIPE LENGTH<br>(FT) | PERCENT TOTAL<br>INSPECTED PIPE<br>LENGTH | NO. OF<br>SEGMENTS |
|----------------------|---------------------|---|--------------------|
| 1: Minor             | 69,916              | 37.4                                      | 350                |
| 2: Minor to Moderate | 24,578              | 13.2                                      | 118                |
| 3: Moderate          | 35,380              | 18.9                                      | 159                |
| 4: Significant       | 54,371              | 29.1                                      | 230                |
| 5: Most Significant  | 2,551               | 1.4                                       | 15                 |
| TOTAL                | 186,796             | 100.0                                     | 872                |

## SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 89.5 percent of the inspected pipe segments within the City were free of significant structural defects. The remaining 10.5 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             | 129,736                 | 69.5                                       | 607                    |
| 2: Minor to Moderate | 14,458                  | 7.7  | 70                     |
| 3: Moderate          | 23,006                  | 12.3                                       | 106                    |
| 4: Significant       | 14,386                  | 7.7  | 62                     |
| 5: Most Significant  | 5,210                   | 2.8  | 27                     |
| <b>TOTAL</b>         | <b>186,796</b>          | <b>100.0</b>                               | <b>872</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): 1651, 1652, 1653 |
| 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 186,796 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 and High Water Levels List and Map (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. Y0TV1112C included sewer lines located in the unincorporated County of Los Angeles County and the Cities of Lomita, Rolling Hills, Rolling Hills Estates, 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 50.6 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 49.4 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<br>(FT) | PERCENT OF<br>TOTAL INSPECTED<br>PIPE LENGTH | NO. OF<br>SEGMENTS |
|----------------------|---------------------|--|--------------------|
| 1: Minor             | 69,916              | 37.4   | 350                |
| 2: Minor to Moderate | 24,578              | 13.2   | 118                |
| 3: Moderate          | 35,380              | 18.9   | 159                |
| 4: Significant       | 54,371              | 29.1   | 230                |
| 5: Most Significant  | 2,551               | 1.4  | 15                 |
| TOTAL                | 186,796             | 100.0  | 872                |

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

Our inspection revealed that approximately 99.2 percent of the system televised has adequate capacity. Approximately 0.8 percent of the segments inspected exhibited visual signs associated with high water levels. The capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which indicate the camera was underwater or there were sags in the line. A sewer pipe is considered at capacity when 50 percent of the diameter of the sewer pipe is full of water. However, there are 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 caused by debris in the sewer lines, or a sag in the line. Therefore, additional review of these pipe segments was conducted to determine if any capacity issues exist.

All sewer pipes where the Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 50 percent capacity have been listed and analyzed on the High Water Level Table in Enclosure 2. The nature of these high water level conditions is also summarized on this table.

A map showing the sewer lines with high water levels is provided in Enclosure 2.

### ***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 89.5 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 10.5 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 89 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

| <b>DEFECT GRADE</b>  | <b>PIPE LENGTH (FT)</b> | <b>PERCENT TOTAL INSPECTED PIPE LENGTH</b> | <b>NO. OF SEGMENTS</b> |
|----------------------|-------------------------|--|------------------------|
| 1: Minor             | 129,736                 | 69.5                                       | 607                    |
| 2: Minor to Moderate | 14,458                  | 7.7  | 70                     |
| 3: Moderate          | 23,006                  | 12.3                                       | 106                    |
| 4: Significant       | 14,386                  | 7.7  | 62                     |
| 5: Most Significant  | 5,210                   | 2.8  | 27                     |
| TOTAL                | 186,796                 | 100.0                                      | 872                    |

### 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> |
|--------------------|---------------------|--------------------|-----------------------------|---------------|
| 2011-12            | Y0TV1112C           | 186,796            | 100.0                       | COMPLETED     |
| TOTAL              |                     | 186,796            | 100.0                       |               |



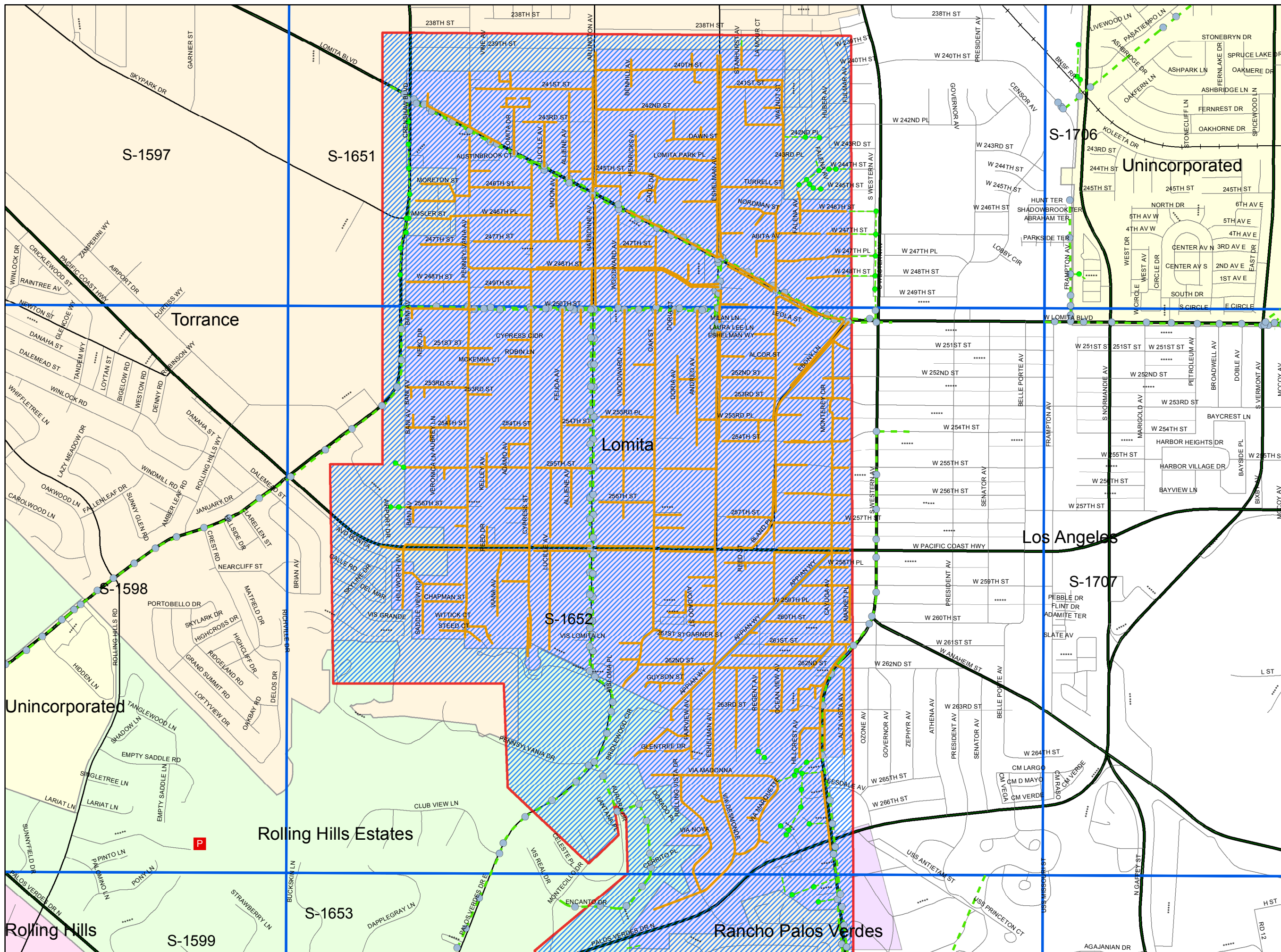
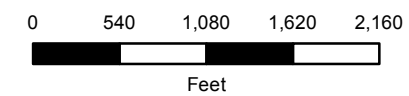
ENCLOSURE 1:

Project Overview Map

# OVERVIEW MAP

## CCTV PROJECT Y0TV112C

### CITY OF LOMITA



### Legend

**SMD Sanitary Sewers**

— SMD Sanitary Sewers

**SMD Manholes**

○ Other

**Manhole Type**

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

**P** SMD Pump Stations

**WTP** 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

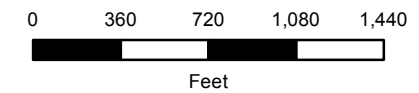
## ENCLOSURE 2:

- Quick Maintenance Rating Map
- High Water Levels List and Map

# ENCLOSURE 2 CCTV PROJECT Y0TV112C

CITY OF  
LOMITA

QUICK  
MAINTENANCE  
RATING  
(QMR)



### Legend

#### SMD Sanitary Sewers

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

#### SMD Manholes

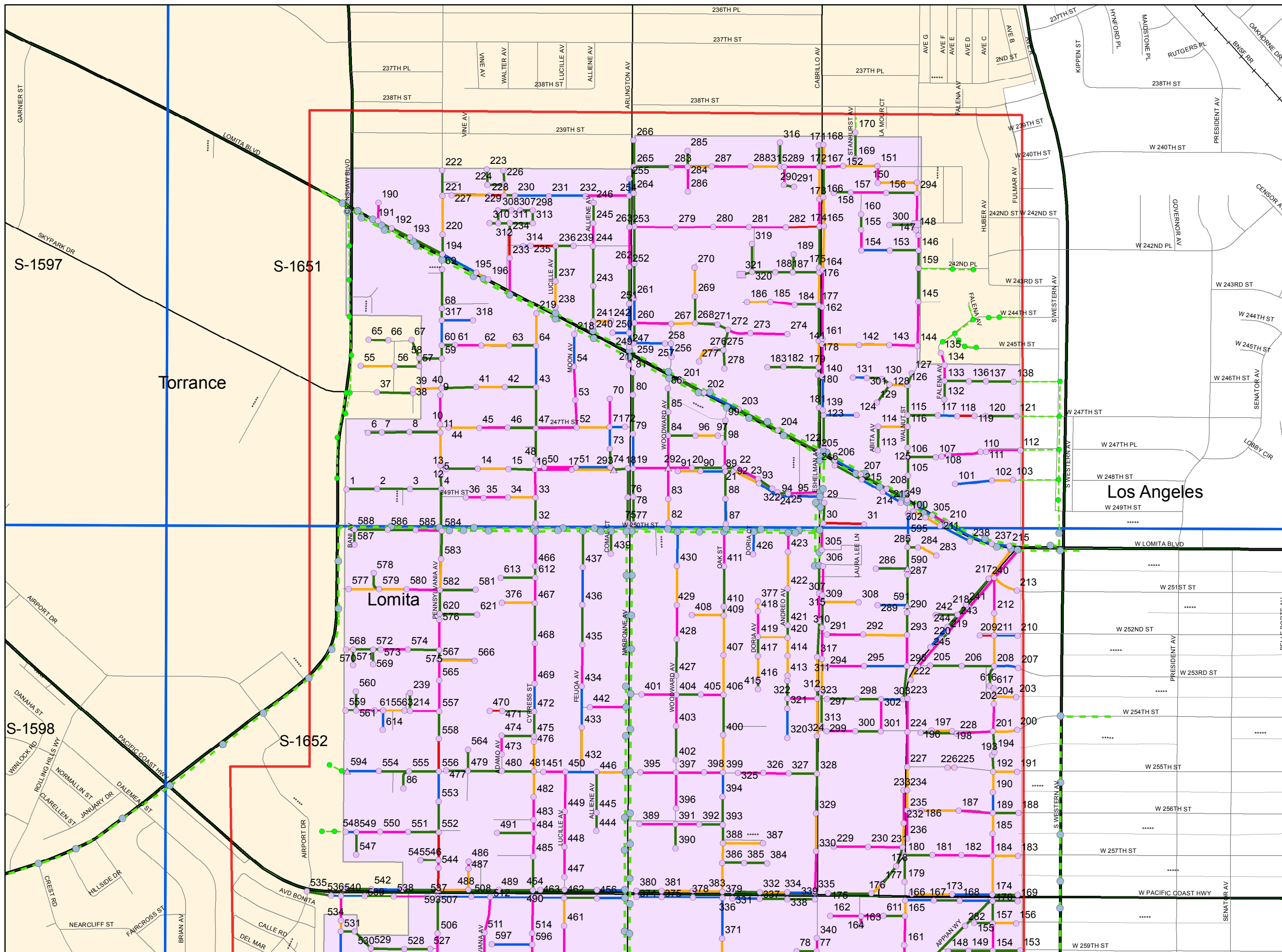
- Other

#### 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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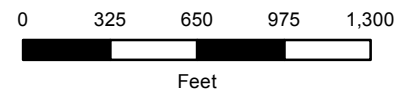
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# ENCLOSURE 2 CCTV PROJECT Y0TV112C

CITY OF  
LOMITA

QUICK  
MAINTENANCE  
RATING  
(QMR)



## Legend

### SMD Sanitary Sewers

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

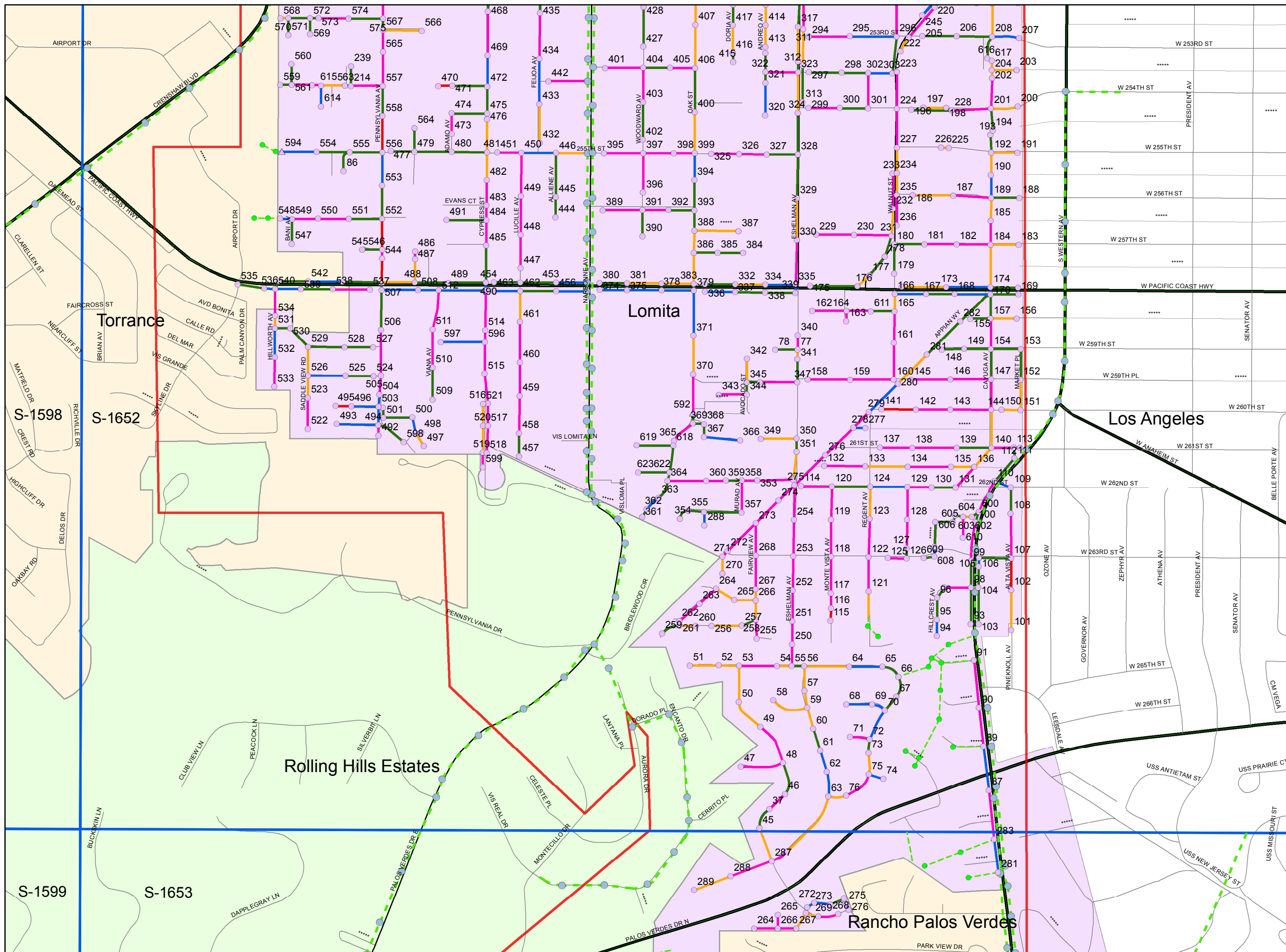
### SMD Manholes

- 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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**ENCLOSURE 2  
HIGH WATER LEVELS  
CITY OF LOMITA (Y0TV1112C)**

| <b>ITEM NO.</b> | <b>QMR</b> | <b>START MH</b> | <b>END MH</b> | <b>STREET</b> | <b>OBSERVATION</b>         | <b>CORRECTIVE ACTION TAKEN<br/>(DATE COMPLETED)</b> |
|-----------------|------------|-----------------|---------------|---------------|----------------------------|---|
| 1               | 4A00       | 1651-0019       | 1651-0292     | 248TH ST      | High water (219' to 311' ) | Rodder (7/2/2015)                                   |
| 2               | 4221       | 1651-0248       | 1651-0247     | NARBONNE AV   | Water mark: 60%            | Rodder (7/6/2015)                                   |
| 3               | 4121       | 1651-0305       | 1651-0210     | LOMITA BV     | Water mark: 50%            | No maintenance action needed.                       |
| 4               | 4111       | 1652-0154       | 1652-0157     | CAYUGA AV     | Water mark: 50%            | No maintenance action needed.                       |
| 5               | 4100       | 1651-0016       | 1651-0017     | 248TH ST      | Sag (60%): 4'-16'          | No maintenance action needed.                       |
| 6               | 4100       | 1652-0287       | 1652-0590     | WALNUT ST     | Water mark: 50%            | No maintenance action needed.                       |
| 7               | 3122       | 1652-0242       | 1650-0241     | ALLEY         | Sag (50%): 2'-8'           | No maintenance action needed.                       |

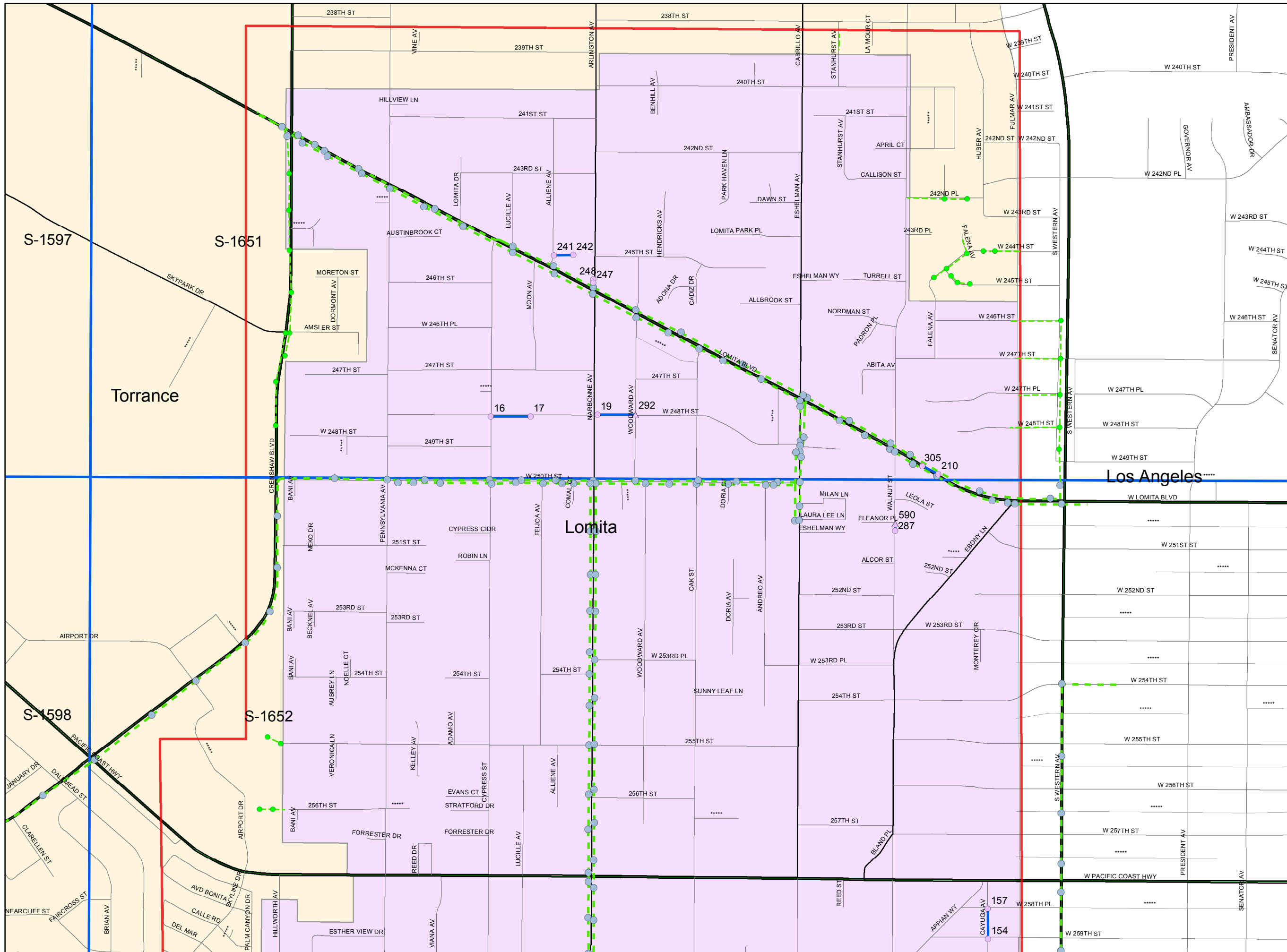
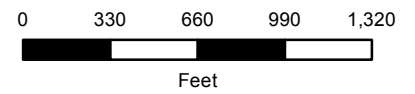
# ENCLOSURE 2

## CCTV PROJECT

# Y0TV112C

### CITY OF LOMITA

**HIGH WATER LEVEL**



### Legend

- HIGH WATER LEVEL
- SMD Manholes**
- Other
- Manhole Type**
- Standard
- ▲ DROP
- Shallow
- ◆ Trap
- ⊗ Siphon
- P SMD Pump Stations
- WTP SMD Treatment Plants
- - - Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV Project Area

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## ENCLOSURE 3:

- Quick Structural Rating Report  
Priority List
- Quick Structural Rating Map



**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**CITY OF LOMITA (Y0TV1112C)**

| ITEM NO. | START MH  | END MH    | STREET            | OBSERVATION             | PROPOSED CORRECTIVE ACTION  |
|----------|-----------|-----------|-------------------|-------------------------|-----------------------------|
| 1        | 1652-0592 | 1652-0370 | OAK STREET        | Fractures, Broken       | Lining                      |
| 2        | 1652-0286 | 1652-0590 | ELEANOR PL        | Corrosion               | No action needed*           |
| 3        | 1652-0245 | 1652-0244 | EBONY LN          | Broken                  | No action needed*           |
| 4        | 1652-0275 | 1652-0276 | APPIAN WY         | Fractures               | Lining                      |
| 5        | 1651-0072 | 1651-0071 | 247TH ST          | Fractures               | Lining                      |
| 6        | 1651-0029 | 1651-0028 | ESHELMAN AV       | Fractures, Hole         | Lining                      |
| 7        | 1651-0305 | 1651-0210 | LOMITA BV         | Broken                  | Point repair                |
| 8        | 1652-0280 | 1652-0281 | APPIAN WY         | Fractures, Broken       | Lining                      |
| 9        | 1653-0289 | 1653-0288 | EASEMENT          | Fractures, Broken       | Point repair                |
| 10       | 1652-0508 | 1652-0507 | PACIFIC COAST HWY | Broken                  | No action needed*           |
| 11       | 1652-0109 | 1652-0110 | 262ND ST          | Fractures, Broken       | Point repair                |
| 12       | 1651-0016 | 1651-0017 | 248TH ST          | Hole                    | Point repair                |
| 13       | 1652-0350 | 1652-0348 | ESHELMAN AV       | Broken                  | Point repair                |
| 14       | 1652-0363 | 1652-0364 | OAK ST            | Fractures, Broken, Hole | Point repair                |
| 15       | 1653-0271 | 1653-0272 | ALLEY             | Broken                  | No action needed*           |
| 16       | 1651-0050 | 1651-0051 | 248TH ST          | Broken                  | No action needed*           |
| 17       | 1651-0055 | 1651-0056 | EASEMENT          | Hole                    | Point repair                |
| 18       | 1652-0456 | 1652-TRNK | PACIFIC COAST HWY | Broken                  | No action needed*           |
| 19       | 1652-0361 | 1652-0362 | OAK ST            | Broken                  | No action needed*           |
| 20       | 1652-0369 | 1652-0592 | OAK ST            | Broken                  | No action needed*           |
| 21       | 1652-0403 | 1652-0404 | WOODWARD AV       | Cracks                  | No action needed*           |
| 22       | 1652-0316 | 1652-0315 | ESHELMAN AV       | Broken                  | Point repair                |
| 23       | 1652-0204 | 1652-0617 | EASEMENT          | Broken                  | No action needed*           |
| 24       | 1652-0101 | 1652-0102 | ALTA VISTA AV     | Broken                  | Lining                      |
| 25       | 1652-0131 | 1652-0136 | CAYUGA AV         | Hole                    | No action needed*           |
| 26       | 1651-0135 | 1651-0134 | FALENA AV         | Hole                    | Yard investigation required |
| 27       | 1651-0079 | 1651-0019 | NARBONNE AV       | Broken                  | Lining                      |
| 28       | 1651-0019 | 1651-0292 | 248TH ST          | Cracks                  | No action needed*           |
| 29       | 1651-0157 | 1651-0156 | 241ST ST          | Fractures               | Lining                      |
| 30       | 1652-0421 | 1652-0422 | ANDREO AV         | Fractures               | Lining                      |

\*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 LOMITA (Y0TV1112C)**

| ITEM NO. | START MH   | END MH     | STREET          | OBSERVATION       | PROPOSED CORRECTIVE ACTION |
|----------|------------|------------|-----------------|-------------------|----------------------------|
| 31       | 1652-0322  | 1652-0323  | 253RD PL        | Fractures         | Lining                     |
| 32       | 1651-0011  | 1651-0012  | PENNSYLVANIA AV | Fractures, Hole   | Lining                     |
| 33       | 1651-0095  | 1651-0027  | 248TH ST        | Fractures         | No action needed*          |
| 34       | 1651-0158  | 1651-0157  | 241ST ST        | Fractures         | Lining                     |
| 35       | 1652-0422  | 1652-0423  | ANDREO AV       | Fractures         | Lining                     |
| 36       | 1651-0143  | 1651-0142  | TURRELL ST      | Fractures         | Lining                     |
| 37       | 1651-0144  | 1651-0143  | TURRELL ST      | Fractures         | Lining                     |
| 38       | 1651-0066  | 1651-0066A | MORENTON ST     | Fractures         | Lining                     |
| 39       | 1651-0036  | 1651-0035  | 249TH ST        | Fractures, Broken | Lining                     |
| 40       | 1652-0413  | 1652-0414  | ANDREO AV       | Fractures         | Lining                     |
| 41       | 1652-0510  | 1652-0511  | VIANA AV        | Fractures         | No action needed*          |
| 42       | 1652-0319  | 1652-0322  | ANDREO AV       | Fractures         | Lining                     |
| 43       | 1652-0141  | 1651-0142  | R/W             | Tap intruding     | No action needed*          |
| 44       | 1651-0065  | 1651-0066  | MORENTON ST     | Fractures         | No action needed*          |
| 45       | 1651-0008  | 1651-0011  | 247TH ST        | Fractures         | No action needed*          |
| 46       | 1651-0066A | 1651-0067  | MORENTON ST     | Broken            | Point repair               |
| 47       | 1652-0104  | 1652-0105  | WESTERN AV      | Fractures         | Lining                     |
| 48       | 1652-0365  | 1652-0369  | OAK ST          | Fractures         | Lining                     |
| 49       | 1651-0156  | 1651-0294  | 241ST ST        | Fractures         | No action needed*          |
| 50       | 1652-0343  | 1652-0344  | EASEMENT        | Fractures         | No action needed*          |
| 51       | 1651-0154  | 1651-0153  | CALLISON ST     | Fractures         | No action needed*          |
| 52       | 1651-0092  | 1651-0093  | 248TH ST        | Fractures         | No action needed*          |
| 53       | 1651-0031  | 1651-0030  | FALENA AV       | Fractures         | No action needed*          |
| 54       | 1652-0356  | 1652-0357  | GUYSON ST       | Fractures         | No action needed*          |
| 55       | 1652-0252  | 1652-0253  | ESHELMAN AV     | Fractures         | No action needed*          |
| 56       | 1652-0157  | 1652-0170  | CAYUGA AV       | Fractures         | No action needed*          |
| 57       | 1651-0153  | 1651-0146  | CALLISON ST     | Fractures         | No action needed*          |
| 58       | 1651-0093  | 1651-0094  | 248TH ST        | Fractures         | No action needed*          |
| 59       | 1652-0231  | 1652-0232  | WALNUT ST       | Fractures, Broken | No action needed*          |
| 60       | 1651-0007  | 1651-0008  | 247TH 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.

**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**CITY OF LOMITA (Y0TV1112C)**

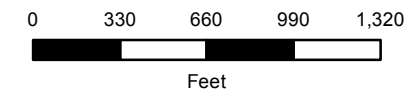
| ITEM NO. | START MH  | END MH    | STREET            | OBSERVATION | PROPOSED CORRECTIVE ACTION |
|----------|-----------|-----------|-------------------|-------------|----------------------------|
| 61       | 1652-0511 | 1652-0512 | VIANA AV          | Fractures   | No action needed*          |
| 62       | 1652-0517 | 1652-0516 | CYPRESS ST        | Cracks      | No action needed*          |
| 63       | 1652-0519 | 1652-0520 | CYPRESS ST        | Fractures   | No action needed*          |
| 64       | 1652-0427 | 1652-0428 | WOODWARD AV       | Fractures   | No action needed*          |
| 65       | 1652-0348 | 1652-0347 | ESHELMAN AV       | Fractures   | No action needed*          |
| 66       | 1652-0349 | 1652-0350 | GARNER ST         | Fractures   | No action needed*          |
| 67       | 1652-0240 | 1652-TRNK | EBONY LN          | Fractures   | No action needed*          |
| 68       | 1652-0158 | 1652-0159 | 259TH PL.         | Cracks      | No action needed*          |
| 69       | 1651-0196 | 1651-0195 | LOMITA BV         | Cracks      | No action needed*          |
| 70       | 1652-0541 | 1652-0542 | PACIFIC COAST HWY | Fractures   | No action needed*          |
| 71       | 1651-0035 | 1651-0034 | 249TH ST          | Fractures   | No action needed*          |
| 72       | 1652-0445 | 1652-0446 | ALLIENE AV        | Fractures   | Lining                     |
| 73       | 1651-0078 | 1651-0019 | NARBONNE AV       | Fractures   | No action needed*          |
| 74       | 1652-0340 | 1652-0339 | ESHELMAN AV       | Hole        | No action needed*          |
| 75       | 1652-0588 | 1652-0586 | 250TH ST          | Fractures   | No action needed*          |
| 76       | 1652-0428 | 1652-0429 | WOODWARD AV       | Fractures   | No action needed*          |
| 77       | 1652-0451 | 1652-0450 | 255TH ST          | Fractures   | No action needed*          |
| 78       | 1652-0382 | 1652-0383 | PACIFIC COAST HWY | Fractures   | No action needed*          |
| 79       | 1652-0401 | 1652-0404 | 253RD PL          | Fractures   | No action needed*          |
| 80       | 1652-0346 | 1652-0347 | W. 259TH PL       | Fractures   | No action needed*          |
| 81       | 1652-0163 | 1652-0164 | REED AV           | Fractures   | No action needed*          |
| 82       | 1652-0184 | 1652-0183 | 257TH ST          | Fractures   | No action needed*          |
| 83       | 1652-0600 | 1652-0110 | WESTERN AV        | Fractures   | No action needed*          |
| 84       | 1652-0100 | 1652-0600 | WESTERN AV        | Fractures   | No action needed*          |
| 85       | 1652-0061 | 1652-0062 | VIA DESMONDE      | Fractures   | No action needed*          |
| 86       | 1651-0111 | 1651-0112 | 247TH PL          | Fractures   | Point repair               |
| 87       | 1651-0145 | 1651-0144 | WALNUT ST         | Fractures   | No action needed*          |
| 88       | 1651-0058 | 1651-0059 | EASEMENT          | Fractures   | No action needed*          |
| 89       | 1651-0069 | 1651-0068 | PENNSYLVANIA AV   | 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.

# ENCLOSURE 3 CCTV PROJECT Y0TV112C

**CITY OF  
LOMITA**

**QUICK  
STRUCTURAL  
RATING  
(QSR)**



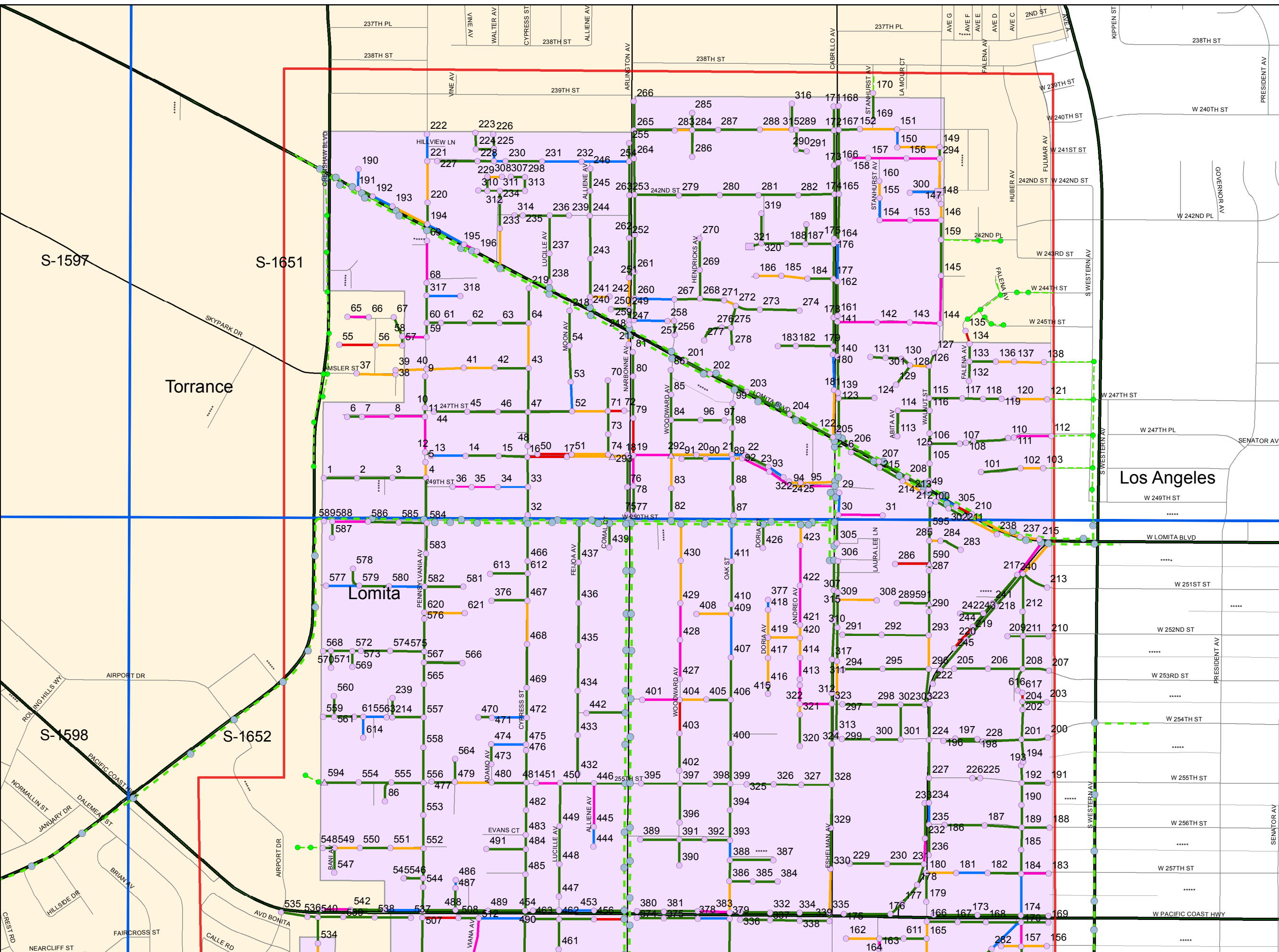
### Legend

- 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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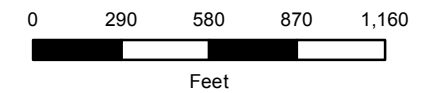
September 2018



# ENCLOSURE 3 CCTV PROJECT Y0TV112C

**CITY OF  
LOMITA**

**QUICK  
STRUCTURAL  
RATING  
(QSR)**



## Legend

### SMD Sanitary Sewers

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### SMD Manholes

- Other
- Standard
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- Shallow
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- SMD Pump Stations
- SMD Treatment Plants

- Trunk Sewerlines
- Non SMD Sanitary Sewers
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