



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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Telephone: (626) 458-5100
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ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

December 2, 2019

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

Mr. Robert Yalda
Director of Public Works/City Engineer
City of Calabasas
100 Civic Center Way
Calabasas, CA 91302-3172

Attention Mr. Ben Chan

Dear Mr. Yalda:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION-ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV1314A2**

This letter is to inform you that the Los Angeles County Public Works Consolidated Sewer Maintenance District has completed its condition-assessment of the City of Calabasas' sewer system.

The enclosed Condition-Assessment Report provides details regarding the maintenance and structural condition of your sewer mainlines. Please note that a previous report covering the balance of your system, was transmitted on March 10, 2009. The information contained in both reports should be included in your agency's Sewer System Management Plan as a reference in Chapter 8, System Evaluation and Capacity Assurance Plan.

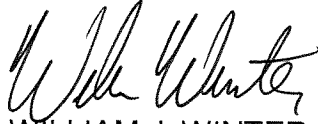
The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance cleaning schedule for continued monitoring. In addition, segments with severe structural defects have either been repaired or will be scheduled for corrective action as part of the ongoing Accumulative Capital Outlay Program.

Mr. Robert Yalda
December 2, 2019
Page 2

If you have any questions regarding this report or the Condition-Assessment Program, please contact Mr. Robert Swartz, Sewer Maintenance Division, at (626) 300-3367, Monday through Friday, 8 a.m. to 4 p.m., or at rswartz@pw.lacounty.gov.

Very truly yours,

MARK PESTRELLA
Director of Public Works



WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

Hk:jg

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Enc.

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

100% SUMMARY

| | | | |
|-------------|----------|--------------|------------|
| SUP. | 3 | CITY: | Calabasas |
| DISTRICT(S) | | | |
| Report By: | Eric Liu | Report Date: | 11/12/2019 |

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 378,106 feet or 100 percent of the City of Calabasas' (City) sewer system.

The closed-circuit television inspection of the City was completed in two phases (Project Nos. Y0TV0506F, and Y0TV1314A2). A copy of the Condition-Assessment Report for Project No. Y0TV0506F 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. Y0TV1314A2.

SUMMARY MAINTENANCE REPORT

Our inspection revealed that approximately 83.0 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 17.0 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 GRADE | PIPE LENGTH (FT) | PERCENT OF TOTAL INSPECTED PIPE LENGTH | NO. OF SEGMENTS |
|----------------------|---------------------|--|--------------------|
| 1: Minor | 245,991 | 65.0 | 1,207 |
| 2: Minor to Moderate | 68,013 | 18.0 | 313 |
| 3: Moderate | 28,324 | 7.5 | 123 |
| 4: Significant | 28,649 | 7.6 | 126 |
| 5: Most Significant | 7,129 | 1.9 | 31 |
| TOTAL | 378,106 | 100.0 | 1,800 |

SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 94.3 percent of the inspected pipe segments within the City were free of significant structural defects. However, the remaining 5.7 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

| DEFECT GRADE | PIPE LENGTH (FT) | PERCENT OF TOTAL INSPECTED PIPE LENGTH | NO. OF SEGMENTS |
|----------------------|-------------------------|---|------------------------|
| 1: Minor | 318,553 | 84.2 | 1,537 |
| 2: Minor to Moderate | 29,114 | 7.7 | 122 |
| 3: Moderate | 8,898 | 2.4 | 40 |
| 4: Significant | 13,302 | 3.5 | 64 |
| 5: Most Significant | 8,239 | 2.2 | 37 |
| TOTAL | 378,106 | 100.0 | 1,800 |

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

| | | | |
|-------------------|------------|--------------|---|
| PROJECT NAME: | Y0TV1314A2 | PROJECT MGR: | Hanna Kebede |
| PROJECT DATE: | 8/12/2014 | CONTACT NO: | (626) 300-4686 |
| SUP. DISTRICT(s): | 3 | MAP PAGE(S): | 1117, 1118, 1152, 1153, 1191, 1192, 1193, 1231 |
| Report By: | Eric Liu | Report Date: | 11/12/2019 |

INTRODUCTION

Los Angeles County Public Works Consolidated Sewer Maintenance District (District) conducted a condition-assessment of 343,961 feet or 91.0 percent of the City's entire sewer system as part of Project No. Y0TV1314A2.

The enclosed Condition-Assessment 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:

- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Map, High-Water Levels List and Map, and Infiltration 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. Y0TV1314A2 included sewer lines located in the unincorporated County of Los Angeles and the Cities of Calabasas, Hidden Hills, Agoura Hills, and Malibu. 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 84.2 percent of the system televised in your City as part of Project No. Y0TV1314A2 was free of significant blockages or restrictions that would impede sewer flows. The remaining 15.8 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 OF TOTAL INSPECTED PIPE LENGTH | NO. OF SEGMENTS |
|-----------------------------|-----------------------------|---|----------------------------|
| 1: Minor | 242,063 | 70.3 | 1,187 |
| 2: Minor to Moderate | 47,767 | 13.9 | 211 |
| 3: Moderate | 22,578 | 6.6 | 94 |
| 4: Significant | 25,164 | 7.3 | 109 |
| 5: Most Significant | 6,389 | 1.9 | 27 |
| TOTAL | 343,961 | 100.0 | 1,628 |

High-Water Levels

Our inspection revealed that approximately 99.5 percent of the system televised has adequate capacity. Approximately 0.5 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. When the items have been identified to have high-water levels due to sewer line capacity, a Yes is indicated in the capacity column. These areas should be reviewed by the City for existing and future capacity needs.

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

Infiltration

Our inspection revealed that approximately 0.6 percent of the system in your City as part of Project No. Y0TV1314A2 has infiltration with the pipe segments. Infiltration is the ingress of groundwater into the sewers through a defect of porous area of the pipe wall. All sewer pipes where infiltration was found are listed on the Infiltration Table in Enclosure 2. This table also provides the proposed corrective action for these impacted sewer segments. If a corrective action is proposed, the work will be programmed in the next 24 months as part of our ongoing Accumulative Capital Outlay Program.

A map showing the sewer lines with infiltration is provided in Enclosure 2.

STRUCTURAL REPORT

Our inspection revealed that approximately 94.1 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 5.9 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 95 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 OF TOTAL INSPECTED PIPE LENGTH | NO. OF SEGMENTS |
|----------------------|-------------------------|---|------------------------|
| 1: Minor | 293,727 | 85.4 | 1,412 |
| 2: Minor to Moderate | 24,089 | 7.0 | 97 |
| 3: Moderate | 5,712 | 1.7 | 24 |
| 4: Significant | 13,161 | 3.8 | 63 |
| 5: Most Significant | 7,272 | 2.1 | 32 |
| TOTAL | 343,961 | 100.0 | 1,628 |

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 |
|--------------------|---------------------|--------------------|-----------------------------|---------------|
| 2005-06 | Y0TV0506F | 34,145 | 9.0 | COMPLETED |
| 2013-14 | Y0TV1314A2 | 343,961 | 91.0 | COMPLETED |
| TOTAL | | 378,106 | 100.0 | |

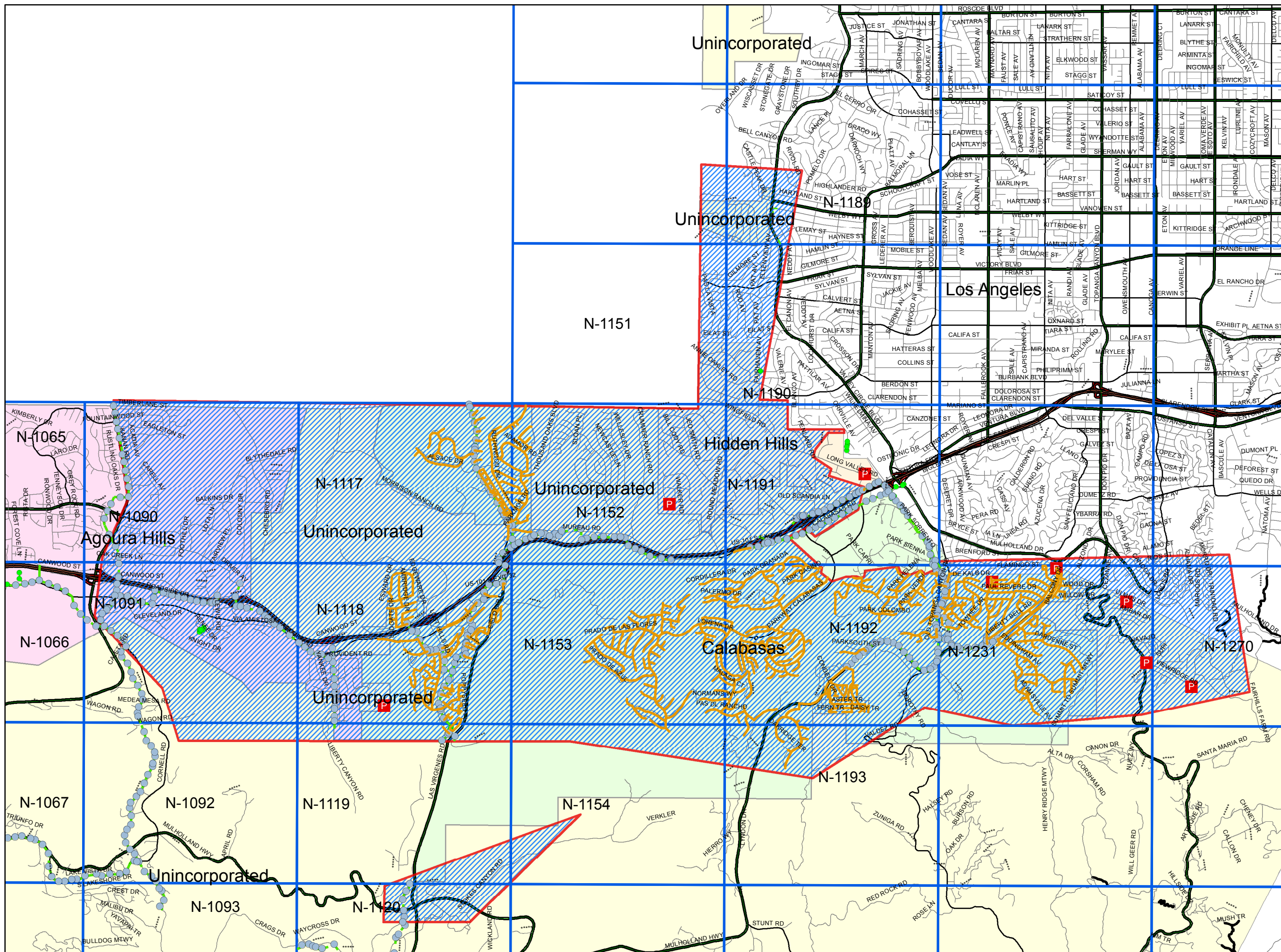
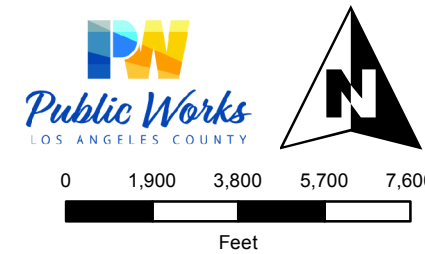
ENCLOSURE 1:

Project Overview Map

OVERVIEW MAP

CCTV PROJECT Y0TV1314A2

CITY OF CALABASAS



Legend

- SMD Sanitary Sewers
- 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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October 2019

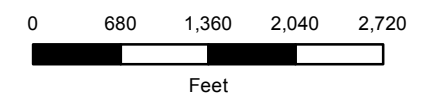
ENCLOSURE 2:

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

ENCLOSURE 2
CCTV PROJECT
YOTV1314A2

CITY OF CALABASAS

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

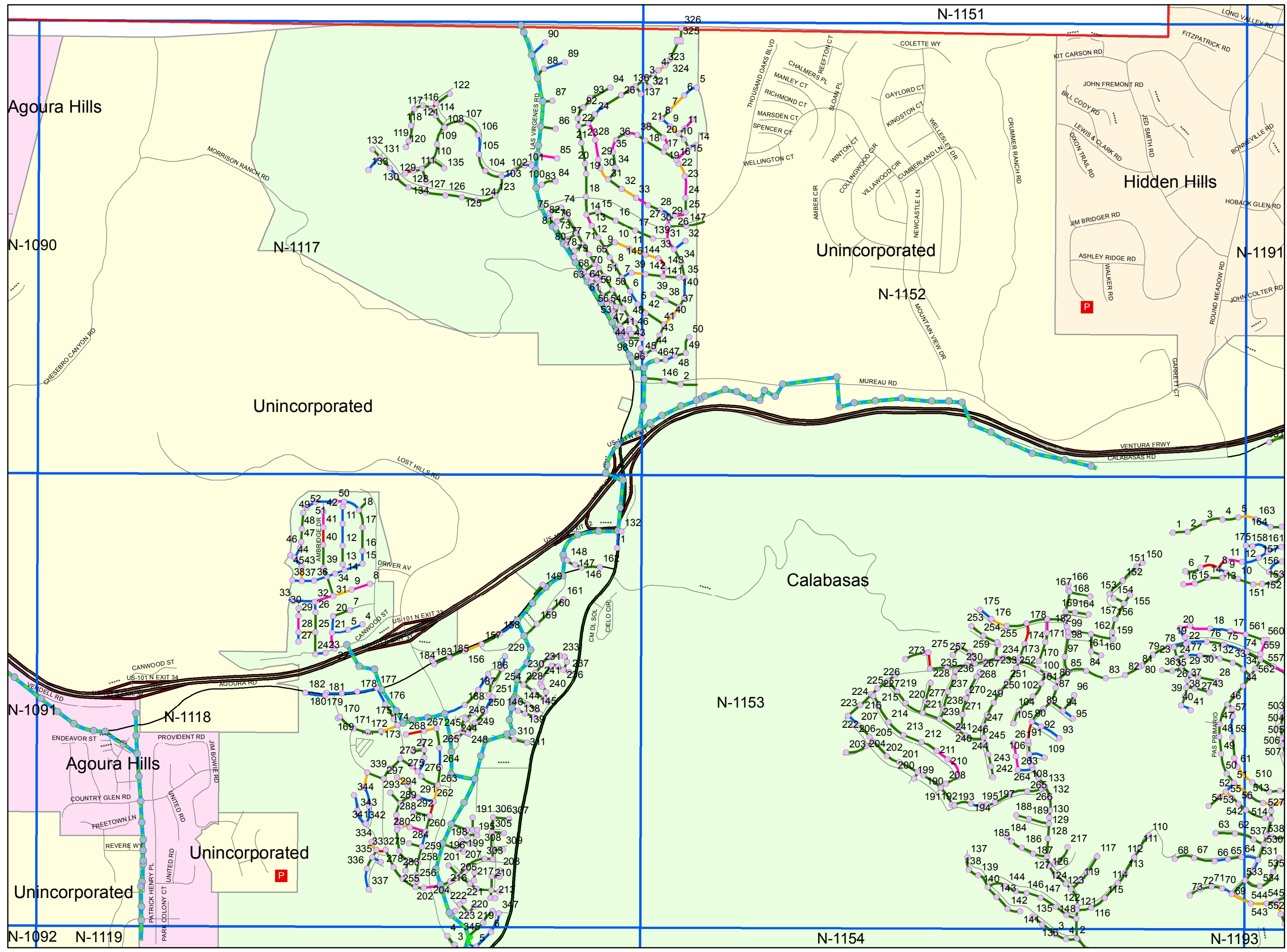
SMD Manholes

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

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

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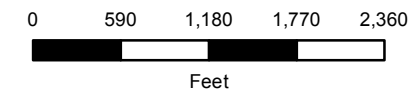
October 2019



ENCLOSURE 2
CCTV PROJECT
YOTV1314A2

CITY OF CALABASAS

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

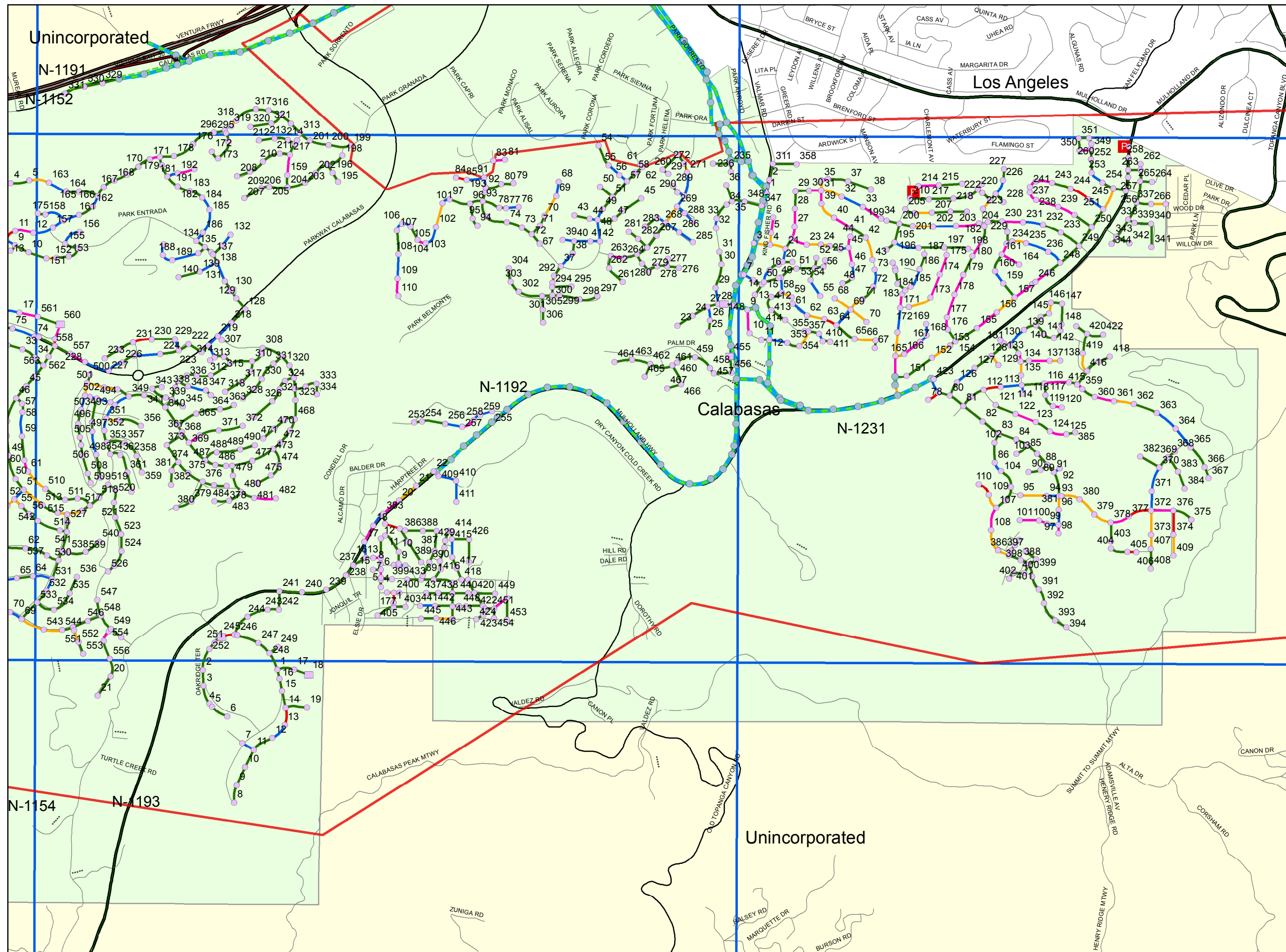
SMD Manholes

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

- Trunk Sewerlines
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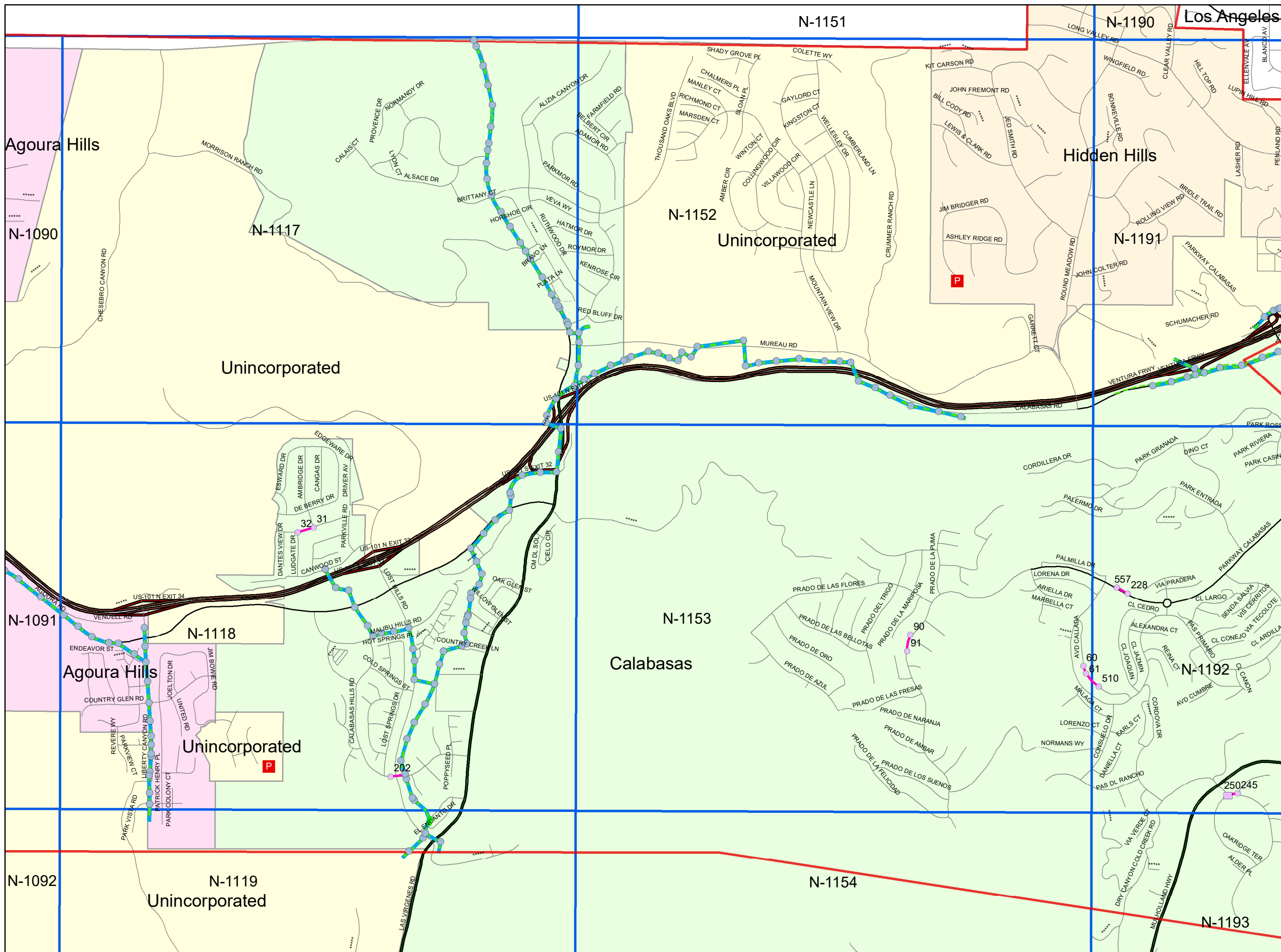
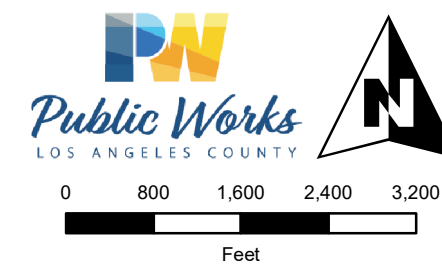
**ENCLOSURE 2
HIGH WATER LEVELS
CITY OF CALABASAS (Y0TV1314A2)**

| ITEM NO. | START MH | END MH | STREET | OBSERVATION: LOCATION | CAPACITY | CORRECTIVE ACTION |
|-----------------|-----------------|---------------|-------------------|--|-----------------|--------------------------|
| 1 | 1153-0091 | 1153-0090 | PARKWAY CALABASAS | High water mark; Sag | NO | Hydrojet |
| 2 | 1192-0250 | 1192-0245 | MOUNTAIN PARK DR | High water mark | NO | Hydrojet |
| 3 | 1118-0202 | 1118-TRNK | MEADOW CREEK LN | Camera under water; Sag | NO | Hydrojet |
| 4 | 1118-0031 | 1118-0032 | HELMOND DR | Camera under water; Sag | NO | Hydrojet |
| 5 | 1153-0061 | 1153-0060 | AVENIDA CALLADA | Camera under water; Sag | NO | Hydrojet |
| 6 | 1192-0557 | 1192-0228 | PARKWAY CALABASAS | Camera under water; High water mark; Sag | NO | Hydrojet |
| 7 | 1192-0510 | 1153-0061 | AVENIDA CALLADA | High water mark | NO | Hydrojet |
| 8 | 1231-0380 | 1231-0381 | CAIRNLOCH ST | Camera under water | NO | Hydrojet |

ENCLOSURE 2
CCTV PROJECT
Y0TV1314A2

CITY OF CALABASAS

HIGH WATER LEVELS



Legend

- High Water Level
- 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
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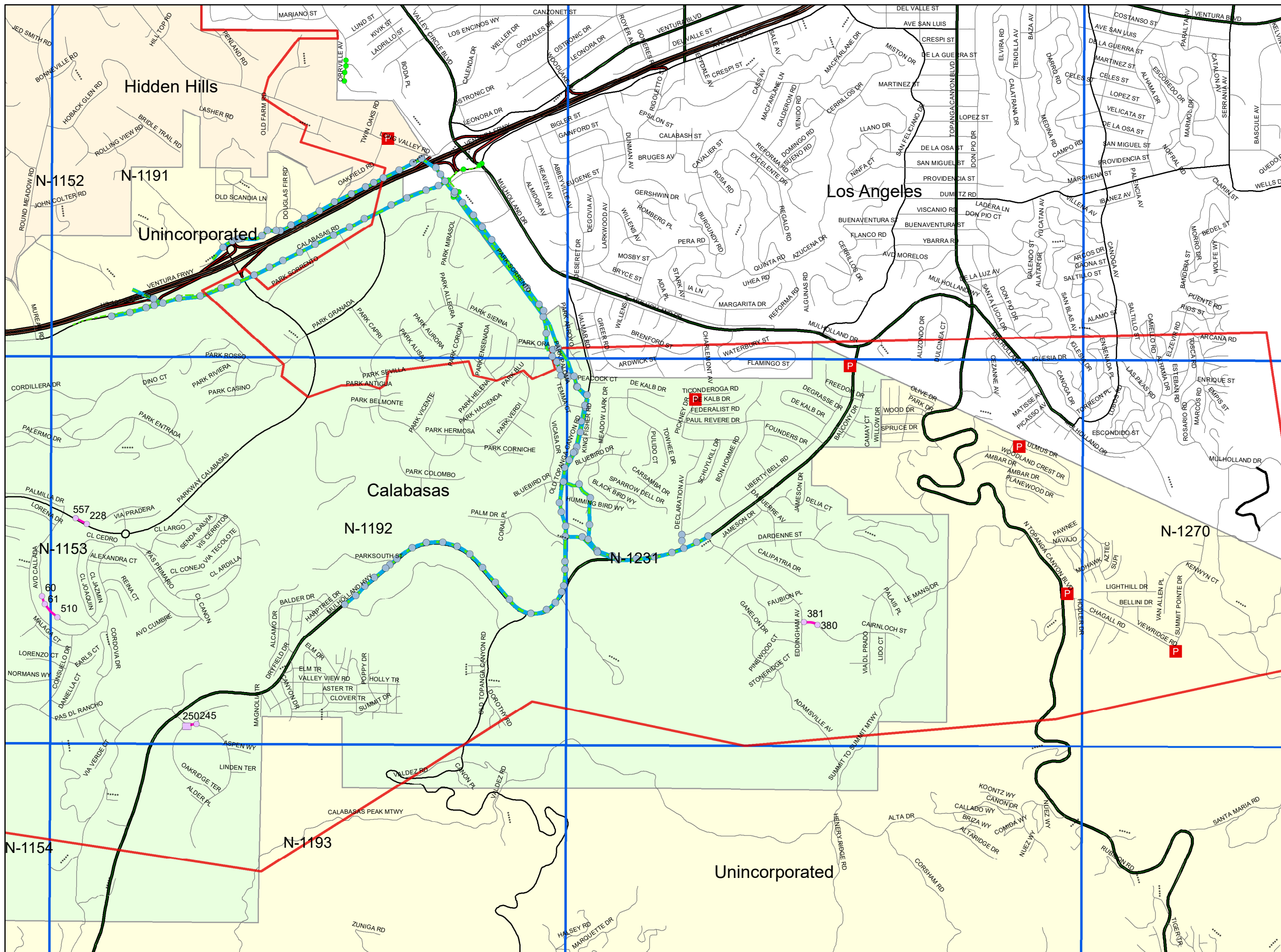
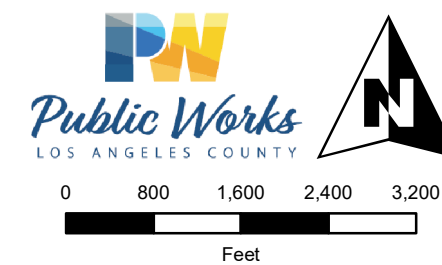
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A2

CITY OF CALABASAS

HIGH WATER LEVELS



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
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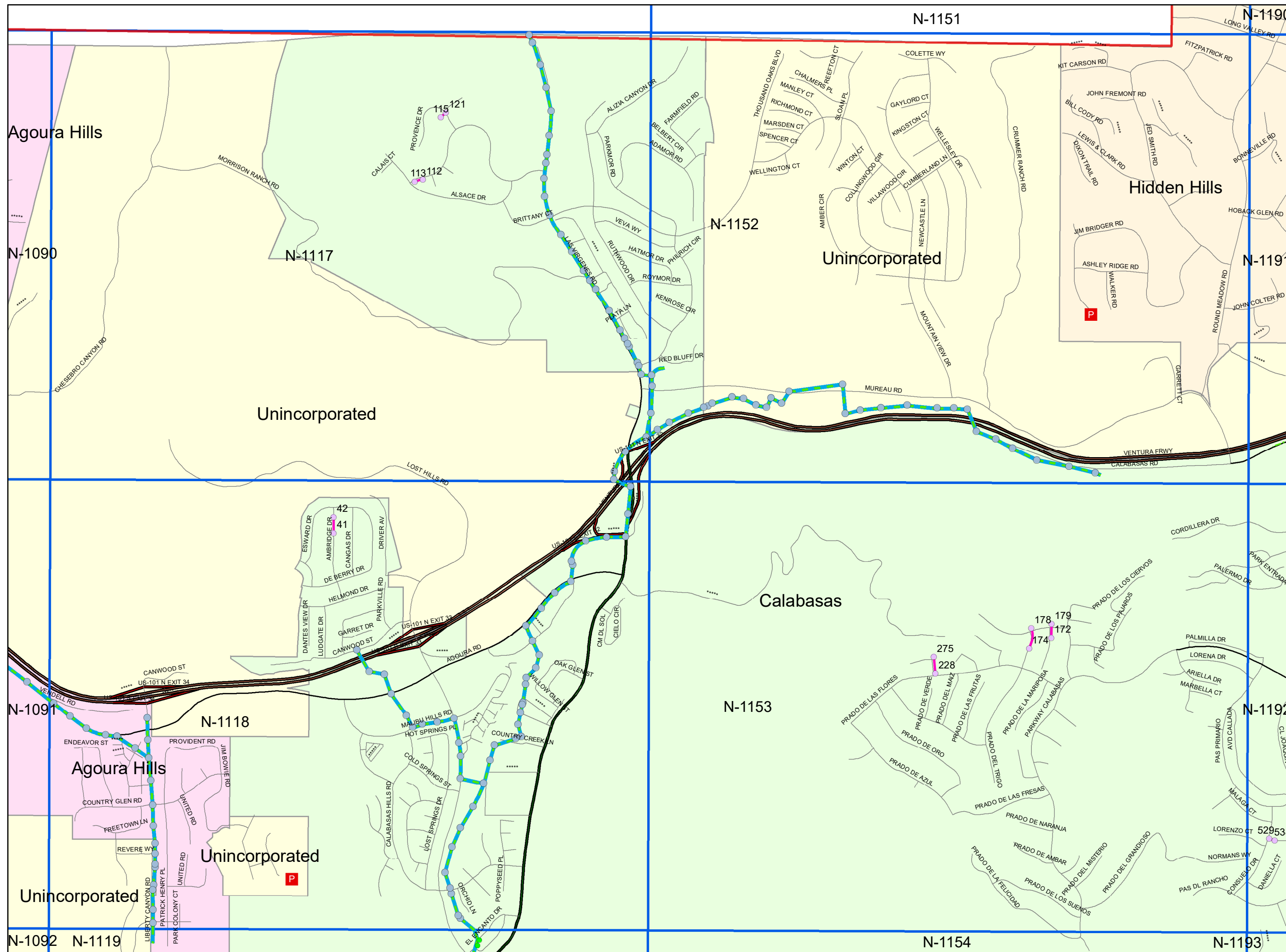
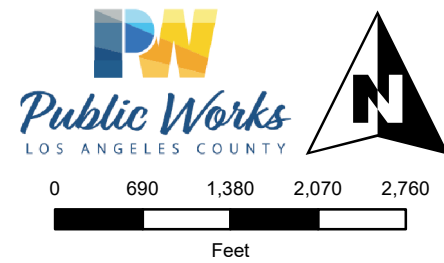
**ENCLOSURE 2
INFILTRATION
CITY OF CALABASAS (Y0TV1314A2)**

| ITEM NO. | START MH | END MH | STREET | OBSERVATION | PROPOSED CORRECTIVE METHOD | LENGTH OF REPAIR (FT) |
|-----------------|-----------------|---------------|---------------------|----------------------------|--|------------------------------|
| 1 | 1118-0042 | 1118-0041 | AMBRIDGE DR | Infiltration runner: 0' | Infiltration is minimal. No action needed. | |
| 2 | 1231-0360 | 1231-0359 | DARDENNE ST | Infiltration dripper: 100' | Lining: MH to MH | 214 |
| 3 | 1192-0538 | 1192-0529 | EARLS CT | Infiltration dripper: 80' | Lining: MH to MH | 80 |
| 4 | 1153-0174 | 1153-0178 | PRADO DE LAS CABRAS | Infiltration runner: 0' | Infiltration is minimal. No action needed. | |
| 5 | 1153-0275 | 1153-0228 | PRADO DE AMOR | Infiltration runner: 0' | Infiltration is minimal. No action needed. | |
| 6 | 1117-0121 | 1117-0115 | NORMANDY DR | Infiltration runner: 0' | Infiltration is minimal. No action needed. | |
| 7 | 1117-0113 | 1117-0112 | MONT CALABASAS DR | Infiltration runner: 140' | Infiltration is minimal. No action needed. | |
| 8 | 1192-0217 | 1192-0159 | PARK MARBELLA | Infiltration runner: 298' | Infiltration is minimal. No action needed. | |
| 9 | 1153-0172 | 1153-0179 | PRADO DE LOS ZORROS | Infiltration runner: 0' | Infiltration is minimal. No action needed. | |
| 10 | 1192-0370 | 1192-0369 | CALLE CONEJO | Infiltration runner: 156' | Lining: MH to MH | 182 |

ENCLOSURE 2
CCTV PROJECT
Y0TV1314A2

CITY OF CALABASAS

INFILTRATION



Legend

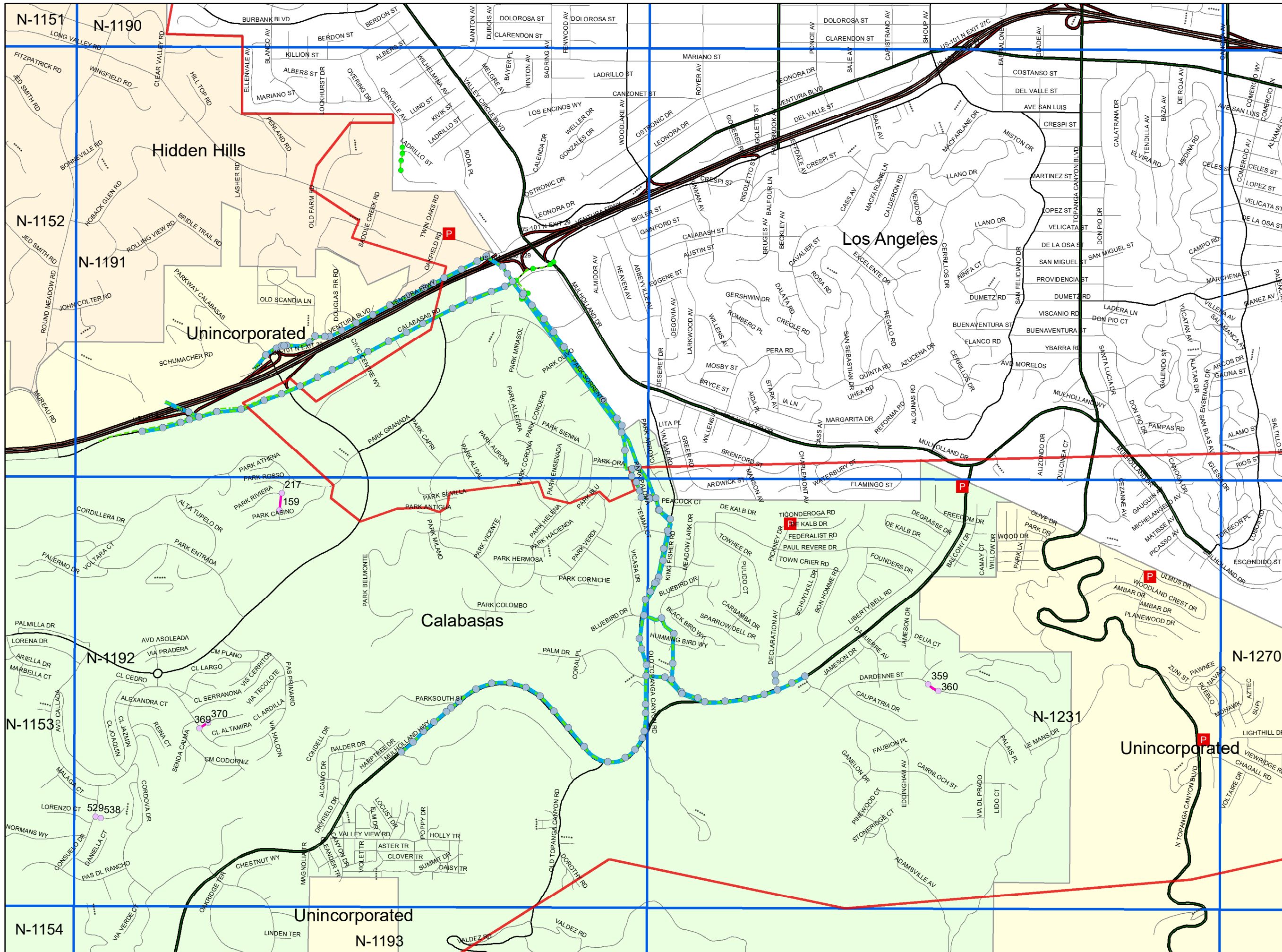
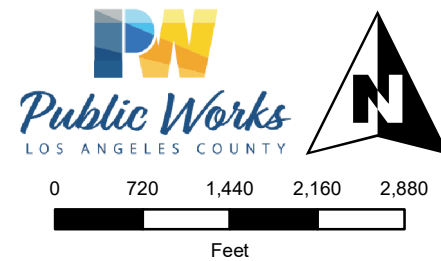
- Infiltration
- SMD Manholes**
 - ⊕ Other
- Manhole Type**
 - Standard
 - ▲ DROP
 - Shallow
 - ◆ Trap
 - ⊗ Siphon
 - P SMD Pump Stations
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ENCLOSURE 2
CCTV PROJECT
Y0TV1314A2

CITY OF CALABASAS

INFILTRATION



Legend

- Infiltration
- SMD Manholes**
- Other
- Manhole Type**
- Standard
- ▲ DROP
- ◊ Shallow
- ⊗ Trap
- ⊗ Siphon
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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 CALABASAS (Y0TV1314A2)

| ITEM NO. | START MH | END MH | STREET | OBSERVATION | PROPOSED CORRECTIVE ACTION |
|----------|-----------|-----------|----------------------|---------------------------|--|
| 1 | 1192-0559 | 1192-0558 | PALMILLA DR | Broken | Lining |
| 2 | 1118-0229 | 1118-0254 | EASEMENT | Fractures; Hole | Lining |
| 3 | 1231-0046 | 1231-0045 | PULIDO CT | Broken | Lining |
| 4 | 1117-0036 | 1117-0035 | ADAMOR DR | Hole at base of manhole | MH base repair |
| 5 | 1118-0042 | 1118-0041 | AMBRIDGE DR | Fractures; Hole | Lining |
| 6 | 1117-0028 | 1117-0023 | PARKMOR RD | Fractures; Broken | Lining |
| 7 | 1231-0126 | 1231-0080 | JAMESON DR | Fractures; Broken | Lining |
| 8 | 1231-0131 | 1231-0128 | JAMESON DR | Fractures; Hole | Lining |
| 9 | 1153-0094 | 1153-0088 | PRADO DE LOS ARBOLES | Broken | Lining |
| 10 | 1231-0038 | 1231-0037 | DE KALBDR | Fracture; Broken | Lining |
| 11 | 1193-0020 | 1192-0556 | VIA VERDE CT | Fractures; Broken | Lining |
| 12 | 1192-0342 | 1192-0343 | EASEMENT | Fractures; Hole | No action needed* |
| 13 | 1153-0049 | 1153-0048 | PASEO PRIMARIO | Fractures | No action needed* |
| 14 | 1231-0124 | 1231-0123 | CALIPATRIA DR | Fractures; Broken | Lining |
| 15 | 1152-0041 | 1152-0043 | PARKMOR RD | Fractures; Broken | Point repair |
| 16 | 1231-0045 | 1231-0026 | EASEMENT | Fractures; Broken | Point repair |
| 17 | 1118-0050 | 1118-0019 | ESWARD DR | Fractures; Broken | Lining |
| 18 | 1191-0331 | 1191-0330 | CALABASAS RD | Fractures; Collapsed | Emergency Point Repair (October 2019) |
| 19 | 1192-0379 | 1192-0376 | AVENIDA CUMBRE | Bulge | Emergency Point Repair (in schedule) |
| 20 | 1153-0116 | 1153-0121 | PRADO DE GRANDIOSO | Broken | No action needed* |
| 21 | 1192-0511 | 1192-0510 | AVENIDA CALLADA | Bulge | No action needed* |
| 22 | 1192-0502 | 1192-0501 | CALLE JOAQUIN | Bulge | No action needed* |
| 23 | 1192-0193 | 1192-0092 | PARK SIENNA | Fracture multiple; Broken | Emergency Point Repair (October 2019) |
| 24 | 1153-0062 | 1192-0537 | LORENZO CT | Deformed; Broken | Emergency Point Repair (in schedule) |
| 25 | 1192-0356 | 1192-0355 | ALEXANDRA CT | Fractures | No action needed* |
| 26 | 1231-0360 | 1231-0359 | DARDENNE ST | Hole | No action needed* |
| 27 | 1192-0538 | 1192-0529 | EARLS CT | Collapsed | Emergency Point Repair (in schedule) |
| 28 | 1117-0099 | 1117-0098 | EASEMENT | Broken | Emergency Point Repair (November 2019) |
| 29 | 1118-0241 | 1118-0242 | OAK GLEN ST | Hole | Emergency Point Repair (November 2019) |
| 30 | 1152-0048 | 1152-0047 | EASEMENT | Broken | Lining |
| 31 | 1192-0537 | 1192-0530 | LORENZO CT | Collapsed; Deformed | Emergency Point Repair (in schedule) |
| 32 | 1192-0482 | 1192-0481 | CALLE CANON | Hole | Emergency Point Repair (in schedule) |
| 33 | 1118-0009 | 1118-0031 | HELMOND DR | Fractures | No action needed* |
| 34 | 1192-0558 | 1192-0557 | PARKWAY CALABASAS | Fractures | Lining |

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF CALABASAS (Y0TV1314A2)

| ITEM NO. | START MH | END MH | STREET | OBSERVATION | PROPOSED CORRECTIVE ACTION |
|----------|-----------|-----------|-----------------------|----------------------------|--|
| 35 | 1117-0021 | 1117-0020 | RUTHWOOD DR | Fractures | Lining |
| 36 | 1153-0091 | 1153-0090 | PARKWAY CALABASAS | No structural deficiencies | No action needed* |
| 37 | 1118-0176 | 1118-0175 | EASEMENT | No structural deficiencies | No action needed* |
| 38 | 1118-0175 | 1118-0174 | EASEMENT | Fractures | No action needed* |
| 39 | 1118-NE | 1118-0018 | EDGWARE DR | Fractures | Lining |
| 40 | 1118-0250 | 1118-0249 | EASEMENT | Fractures | Lining |
| 41 | 1192-0259 | 1192-0255 | PARKSOUTH DR | Fractures | Lining |
| 42 | 1118-0202 | 1118-TRNK | MEADOW CREEK LN | Fractures | Lining |
| 43 | 1152-0026 | 1152-0029 | EASEMENT | Fractures | Lining |
| 44 | 1153-0085 | 1153-0084 | PARKWAY CALABASAS | Alignment down | No action needed* |
| 45 | 1152-0040 | 1152-0041 | PARKMOR RD | Fractures | Lining |
| 46 | 1192-0532 | 1192-0531 | CONSUELO DR | Fractures | No action needed* |
| 47 | 1192-0245 | 1192-0244 | CHESTNUT WY | Fractures | No action needed* |
| 48 | 1231-0171 | 1231-0170 | DECLARATION AV | Fractures | Lining |
| 49 | 1118-0045 | 1118-0044 | DANTES VIEW DR | Fractures | Lining |
| 50 | 1118-0174 | 1118-TRNK | MALIBU HILLS RD | Fractures | Lining |
| 51 | 1231-0037 | 1231-0036 | DE KALBDR | Fractures | Lining |
| 52 | 1192-0332 | 1192-0322 | VIA ESQUINA | No structural deficiencies | No action needed* |
| 53 | 1153-0252 | 1153-0181 | PRADO DEL TRIGO | Fractures | Lining |
| 54 | 1118-0345 | 1119-TRNK | EASEMENT | Joint offset | Emergency Point Repair (November 2019) |
| 55 | 1117-0032 | 1117-0033 | PARKMOR RD | Fractures | Lining |
| 56 | 1231-0032 | 1231-0031 | PAUL REVERE DR | Fractures | No action needed* |
| 57 | 1231-0053 | 1231-0051 | BLUE BIRD DR | Fractures | Lining |
| 58 | 1117-0033 | 1152-0027 | PARKMOR RD | Fractures | No action needed* |
| 59 | 1231-0047 | 1231-0046 | PULIDO CT | Fractures | Lining |
| 60 | 1152-0038 | 1152-0037 | KENROSE CR | Fractures | Lining |
| 61 | 1192-0449 | 1192-0420 | ASTER TR | Bulge | No action needed* |
| 62 | 1118-0158 | 1118-TRNK | AGOURA RD | Fractures | No action needed* |
| 63 | 1153-0223 | 1153-0224 | PRADO DE LAS FLORES | Fractures | No action needed* |
| 64 | 1153-0220 | 1153-0221 | PRADO DE LAS BELLOTAS | Fractures | No action needed* |
| 65 | 1153-0145 | 1153-0146 | PRADO DE LOS SUENOS | Fractures | No action needed* |
| 66 | 1153-0250 | 1153-0251 | PRADO DEL TRIGO | Fractures | No action needed* |
| 67 | 1153-0233 | 1153-0234 | PRADO DE LAS FLORES | Fractures | No action needed* |
| 68 | 1153-0247 | 1153-0248 | PRADO DEL TRIGO | Fractures | No action needed* |

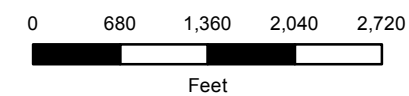
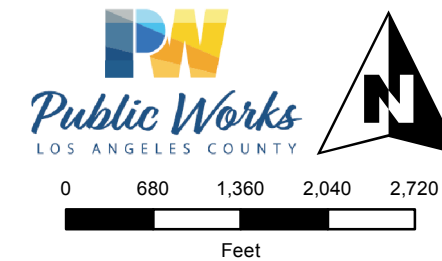
ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF CALABASAS (Y0TV1314A2)

| ITEM NO. | START MH | END MH | STREET | OBSERVATION | PROPOSED CORRECTIVE ACTION |
|----------|-----------|-----------|--------------------------|----------------------------|--|
| 69 | 1153-0226 | 1153-0219 | PRADO DE LAS BELLOTAS | Fractures | No action needed* |
| 70 | 1153-0144 | 1153-0145 | PRADO DE LOS SUENOS | Fractures | No action needed* |
| 71 | 1231-0026 | 1231-0025 | EASEMENT | Fractures | No action needed* |
| 72 | 1231-0033 | 1231-0032 | PAUL REVERE DR | Fractures | No action needed* |
| 73 | 1118-0146 | 1118-0147 | AGOURA RD | Fractures | No action needed* |
| 74 | 1192-0167 | 1192-0166 | PARK GRANADA | Fractures | No action needed* |
| 75 | 1231-0100 | 1231-0099 | GALILEE ST | Fractures | No action needed* |
| 76 | 1192-0282 | 1192-0266 | PARK BASILICO | Fractures | No action needed* |
| 77 | 1231-0396 | 1231-0397 | EASEMENT | Fractures | No action needed* |
| 78 | 1231-0082 | 1231-0081 | EDDINGHAM AV | Fractures | No action needed* |
| 79 | 1153-0064 | 1192-0531 | NORMANS WY | Fractures multiple | No action needed* |
| 80 | 1117-0077 | 1117-0072 | EASEMENT | Bulge | No action needed* |
| 81 | 1231-0034 | 1231-0033 | PAUL REVERE DR | Fractures | No action needed* |
| 82 | 1118-0038 | 1118-0037 | DE BERRY DR | Fractures | No action needed* |
| 83 | 1192-0182 | 1192-0183 | ALTA TUPELO DR | Fractures | Lining |
| 84 | 1231-0111 | 1231-0081 | DARDENINE ST | Fractures | Lining |
| 85 | 1118-0028 | 1118-0025 | EASEMENT | Fractures | No action needed* |
| 86 | 1192-0110 | 1192-0109 | PARK BELMONTE | Fractures | Lining |
| 87 | 1117-0039 | 1117-0007 | ROYMOR DR | Fractures | No action needed* |
| 88 | 1153-0016 | 1153-0015 | HERMOSILLA CT | Broken | No action needed* |
| 89 | 1231-0411 | 1231-0410 | BLACK BIRD WY | Fractures | No action needed* |
| 90 | 1231-0169 | 1231-0168 | BRANDYWINE DR | Fractures | Lining |
| 91 | 1231-0120 | 1231-0119 | ARGONAUT DR | Fractures | No action needed* |
| 92 | 1192-0009 | 1192-0010 | ELM DR | Broken | Emergency Point Repair (April 2014) |
| 93 | 1192-0099 | 1192-0100 | PARK BELMONTE (EASEMENT) | Broken | Emergency Point Repair (July 2015) |
| 94 | 1192-0437 | 1192-0438 | ASTER TR | Joint offset | Emergency Point Repair (in schedule) |
| 95 | 1117-0085 | 1117-TRNK | EASEMENT | Broken; Fractures multiple | Emergency Point Repair (November 2019); Lining |

* Determined not to interfere with the normal operation of the sewer.

ENCLOSURE 3
CCTV PROJECT
Y0TV1314A2

CITY OF CALABASAS
QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

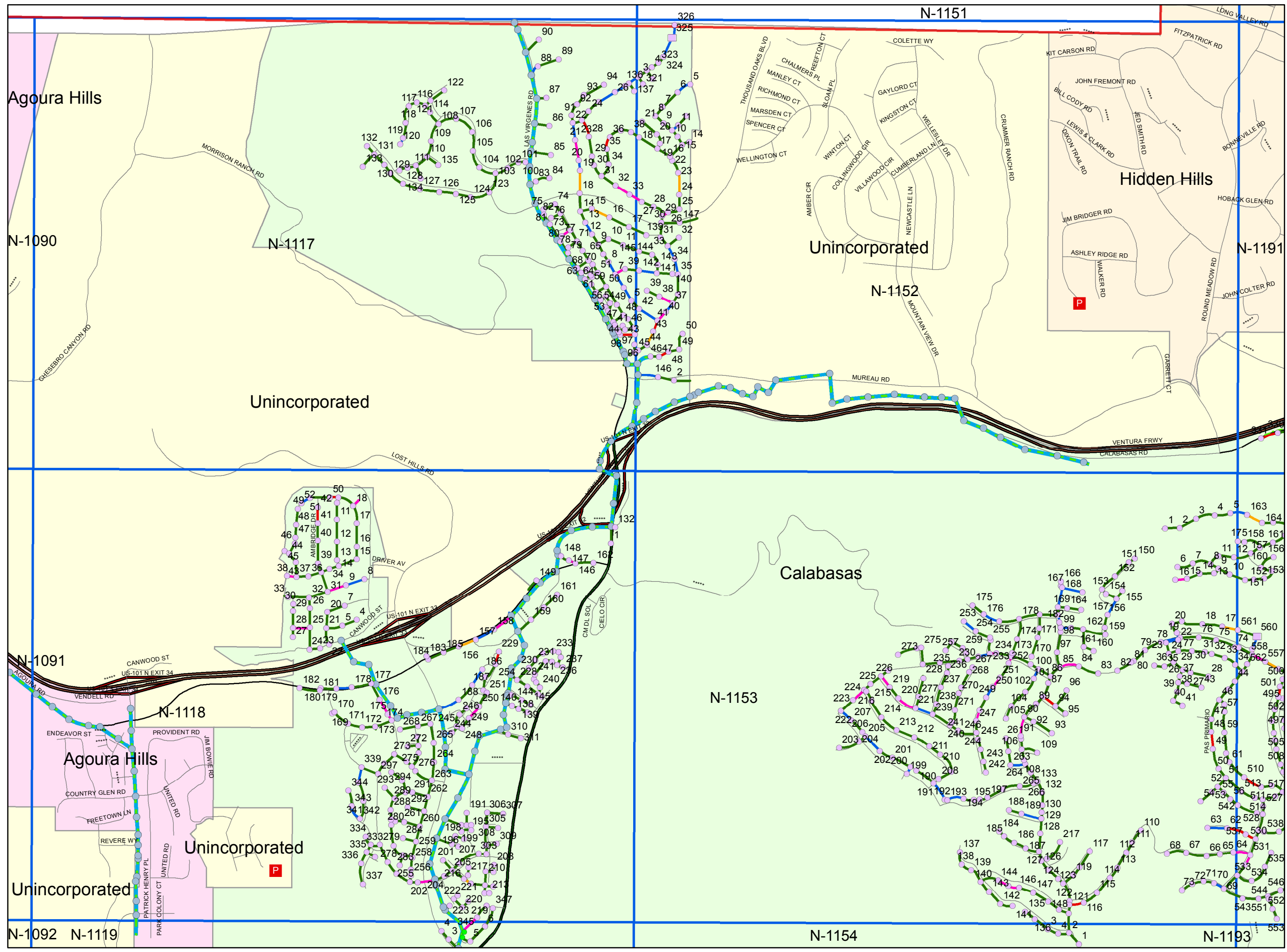
SMD Manholes

- 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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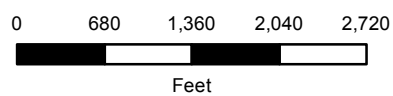
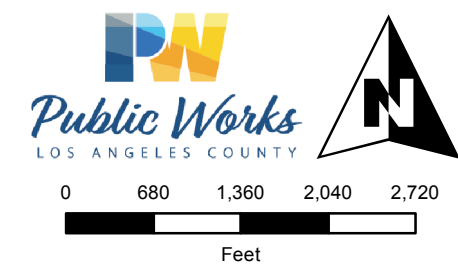
October 2019



ENCLOSURE 3
CCTV PROJECT
Y0TV1314A2

CITY OF CALABASAS

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
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October 2019

