

November 28, 2016

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations

FROM: Robert Swartz
Field Operations



**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
UNINCORPORATED COUNTY**

This memo is to inform you that the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed a Sewer Condition Assessment Program of a portion of the unincorporated County's sewer system maintained by the District's East Yard.

The enclosed Condition Assessment Report provides details regarding the maintenance and structural condition of your City's sewer mainlines. This information should be included in the District'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, the segments with severe structural defects have either been repaired or will be scheduled for repair or replacement as part of the ongoing Accumulative Capital Outlay Project.

HK:

Attach.

bc: RS, FV, File (Y0TV0910C)

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

| | | | |
|-------------------|--------------|--------------|-------------------------|
| PROJECT NAME: | Y0TV0910C | PROJECT MGR: | Hanna Kebede |
| PROJECT DATE: | 01/27/2011 | CONTACT NO: | (626) 300-4686 |
| SUP. DISTRICT(S): | 1 & 5 | MAP PAGE(S): | 1853, 1905, 1906 & 1907 |
| Report By: | Hanna Kebede | Report Date: | 11/18/16 |

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 condition assessment of 224,433 feet or approximately 6.2 percent of the unincorporated County's sewer system maintained by the District's East Yard.

The enclosed Condition Assessment Report outlines the structural and maintenance ratings of our 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, Infiltration List and Map, Sample Lateral Notice Letter (Enclosure 2)
- Quick Structural Rating Report Priority List, Quick Structural Rating Map, and Lining and Point Repair Projects Map (Enclosure 3)

The District has now completed the condition assessment of 1,145,533 feet of the unincorporated County's sewer system maintained by the District's East Yard. Previous Condition Assessment Reports dated January 5, 2009, April 6, 2009, May 28, 2009, October 8, 2009, and May 20, 2011 have been provided to you. A copy of the reports can also be found in the District's website at <http://dpw.lacounty.gov/smd/cctv/city/>.

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. Y0TV0910C included sewer lines located in the unincorporated County and the Cities of Bell Gardens, Industry, Diamond Bar, La Canada Flintridge, and Walnut. Enclosed for your reference is an overview map of the project area within the unincorporated County. (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 45.1 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 54.9 percent of the pipe segments within the unincorporated County 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.

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 | 84,238 | 37.6 | 383 |
| 2: Minor to Moderate | 16,865 | 7.5 | 76 |
| 3: Moderate | 66,286 | 29.5 | 288 |
| 4: Significant | 56,561 | 25.2 | 238 |
| 5: Most Significant | 483 | 0.2 | 3 |
| TOTAL | 224,433 | 100.0 | 988 |

Lateral Notices

Also included in the maintenance inspection reports are 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 will be 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 approximately 99.3 percent of the system televised has adequate capacity. Approximately 0.7 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 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.

Infiltration

Our inspection revealed that approximately 0.1 percent of the system included in this project has infiltration within the pipe segment. Infiltration is the ingress of groundwater into the sewers through a defect or porous area of the pipe wall. All sewer pipes where infiltration has been found are listed on the Infiltration table (Enclosure 2). This table also provides the proposed corrective action for these impacted sewer segments. If a corrective method is proposed, the remediation will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 87.3 percent of the inspected pipe segments within unincorporated County were free of severe structural defects. However, the remaining 12.7 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. These segments have been placed on a priority list based on the severity and the need for action. For items 1 through 111 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed repair or replacement will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. A map showing the sewer lines, which need lining and point repairs, is also provided in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

| DEFECT GRADE | PIPE LENGTH (FT) | PERCENT TOTAL INSPECTED PIPE LENGTH | NO. SEGMENTS |
|----------------------|-------------------------|--|---------------------|
| 1: Minor | 80,181 | 35.7 | 401 |
| 2: Minor to Moderate | 37,956 | 16.9 | 149 |
| 3: Moderate | 77,788 | 34.7 | 325 |
| 4: Significant | 14,283 | 6.4 | 54 |
| 5: Most Significant | 14,225 | 6.3 | 59 |
| TOTAL | 224,433 | 100.0 | 988 |

CONDITION ASSESSMENT PROJECTS

The Sewer Condition Assessment Program performed the condition assessment of the sewer lines within unincorporated County maintained by the East Yard according to the following schedule:

| FISCAL YEAR | PROJECT NAME | LENGTH (FT) | PERCENTAGE OF SYSTEM | STATUS |
|--------------------|---------------------|--------------------|-----------------------------|----------------|
| 2005-2006 | Y0TV0506D | 49,010 | 1.4 | COMPLETED |
| 2005-2006 | Y0TV0506E | 159,581 | 4.4 | COMPLETED |
| 2007-2008 | Y0TV0708F | 195,437 | 5.4 | COMPLETED |
| 2008-2009 | Y0TV0809A | 213,884 | 5.9 | COMPLETED |
| 2008-2009 | Y0TV0809C | 301,513 | 8.3 | COMPLETED |
| 2009-2010 | Y0TV0910B | 1,675 | 0.1 | COMPLETED |
| 2009-2010 | Y0TV0910C | 224,433 | 6.2 | COMPLETED |
| 2010-2011 | Y0TV1011A | 502,737 | 13.9 | REPORT PENDING |
| 2011-2012 | Y0TV1112B | 767,924 | 21.2 | REPORT PENDING |
| 2013-2014 | Y0TV1314B1 | 292,285 | 8.1 | REPORT PENDING |
| 2013-2014 | Y0TV1314B2 | 324,762 | 9.0 | REPORT PENDING |
| 2014-2015 | Y0TV1415B | 580,774 | 16.1 | REPORT PENDING |
| TOTAL | | 3,614,015 | 100.0 | |

ENCLOSURE 1:

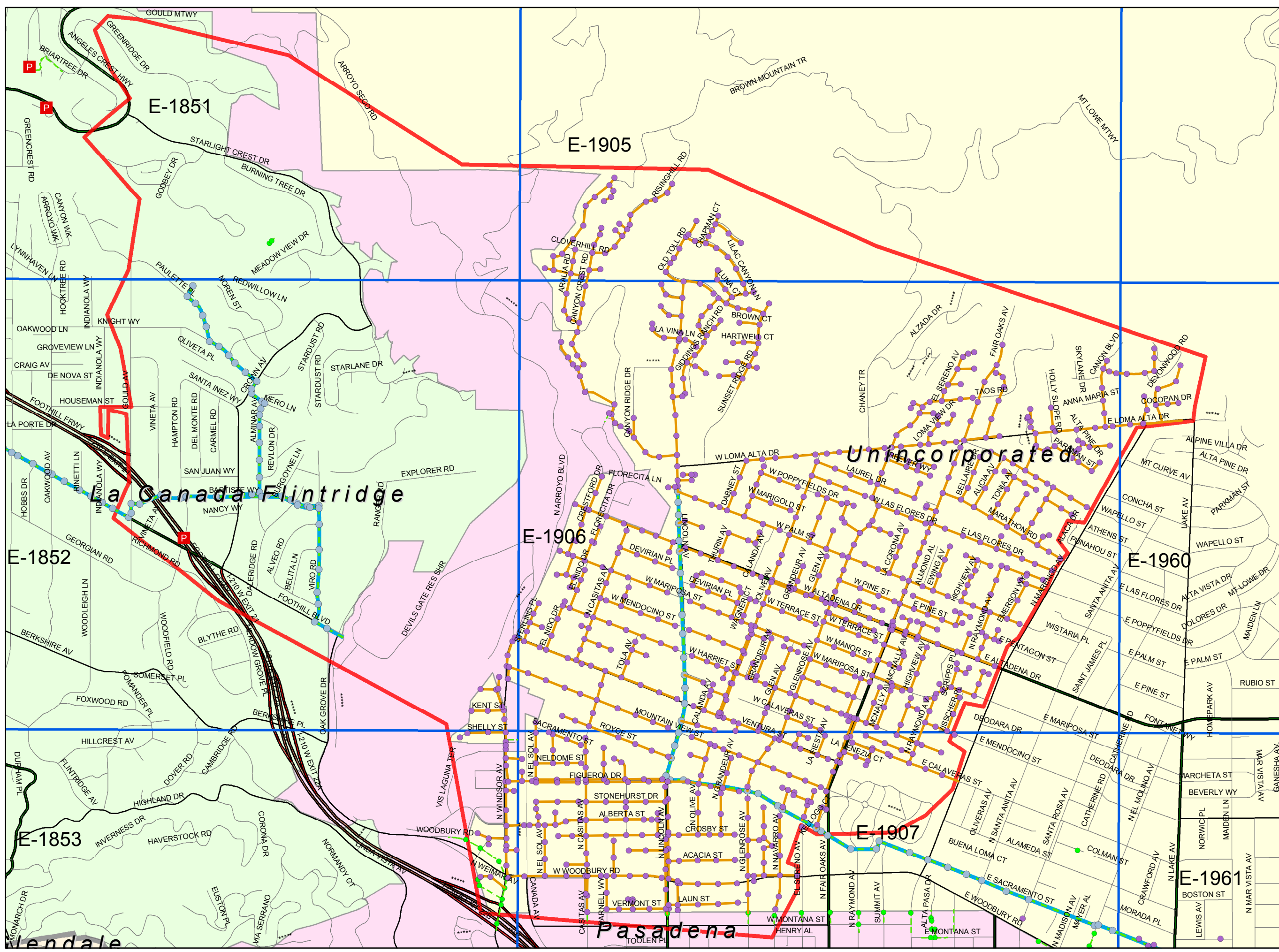
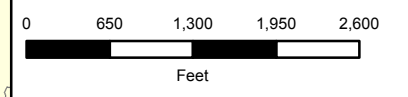
Project Overview Map

OVERVIEW

CCTV PROJECT

YOTV0910C

COUNTY UNINCORPORATED



Legend

- SMD Manholes**
- Other
- Manhole Type**
- 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
- YOTV0910C

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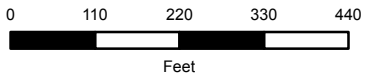
January 2015

OVERVIEW

CCTV PROJECT

Y0TV0910C

COUNTY UNINCORPORATED



Legend

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

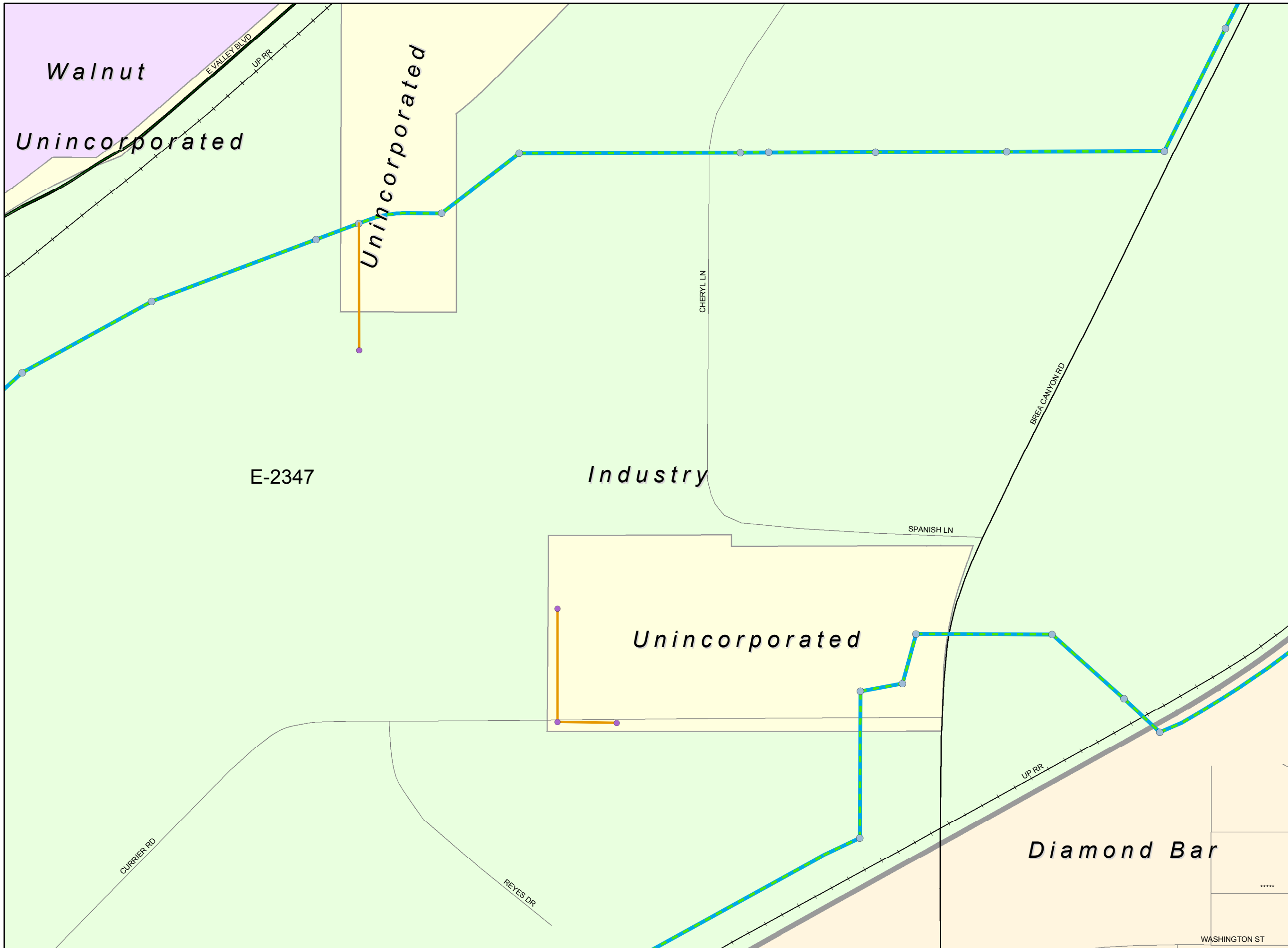
● Non SMD Maintained MH

□ SMD Operations Maps

□ Y0TV0910C

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January 2015



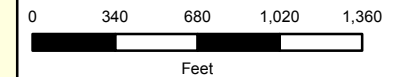
ENCLOSURE 2:

- Quick Maintenance Rating Map
- High Water Levels List and Map
- Infiltration List and Map
- Sample Lateral Notice Letter

CCTV PROJECT
YOTV0910C

COUNTY
UNINCORPORATED

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

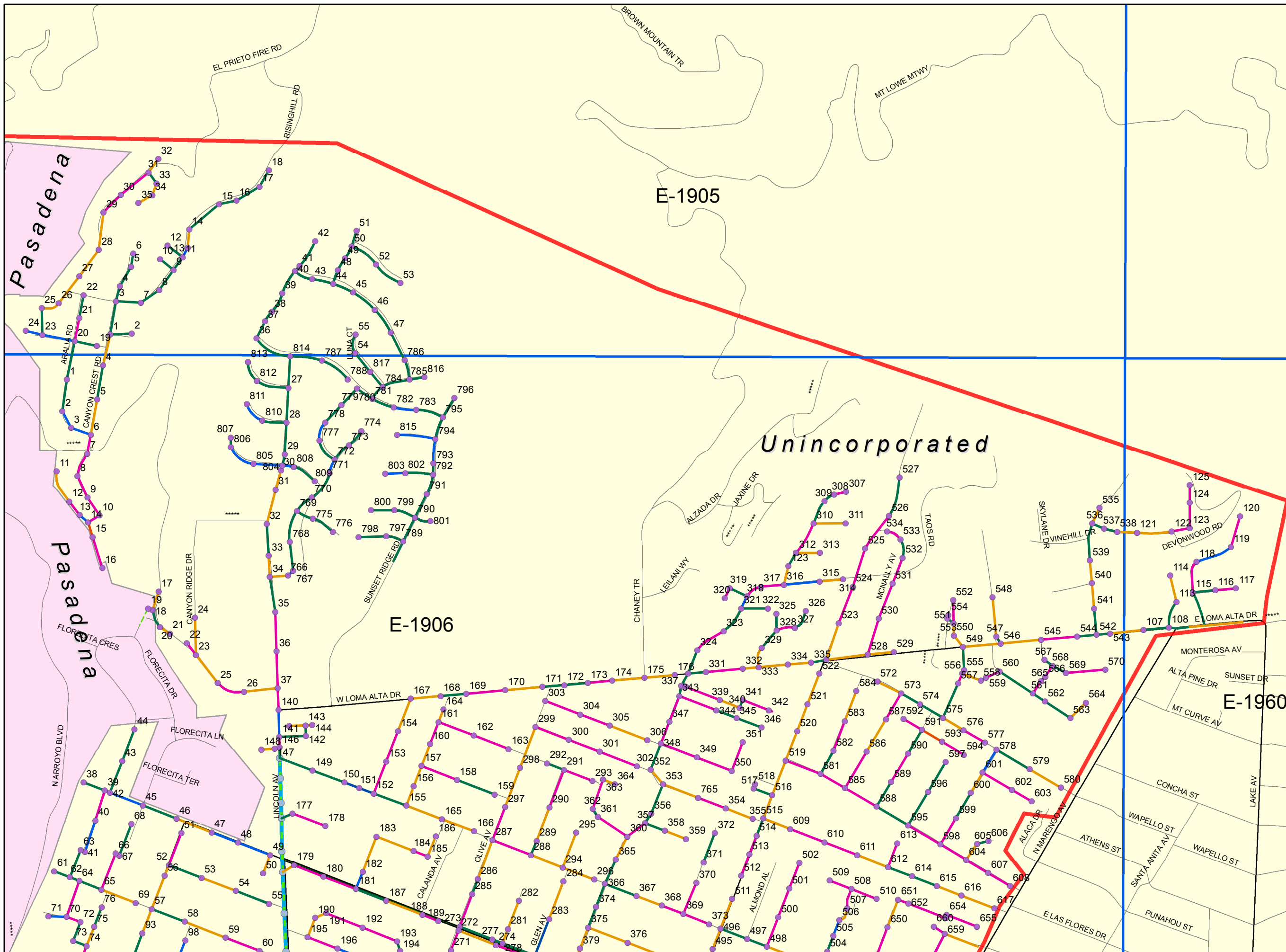
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
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January 2015

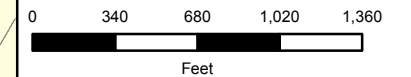


CCTV PROJECT

YOTV0910C

COUNTY UNINCORPORATED

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

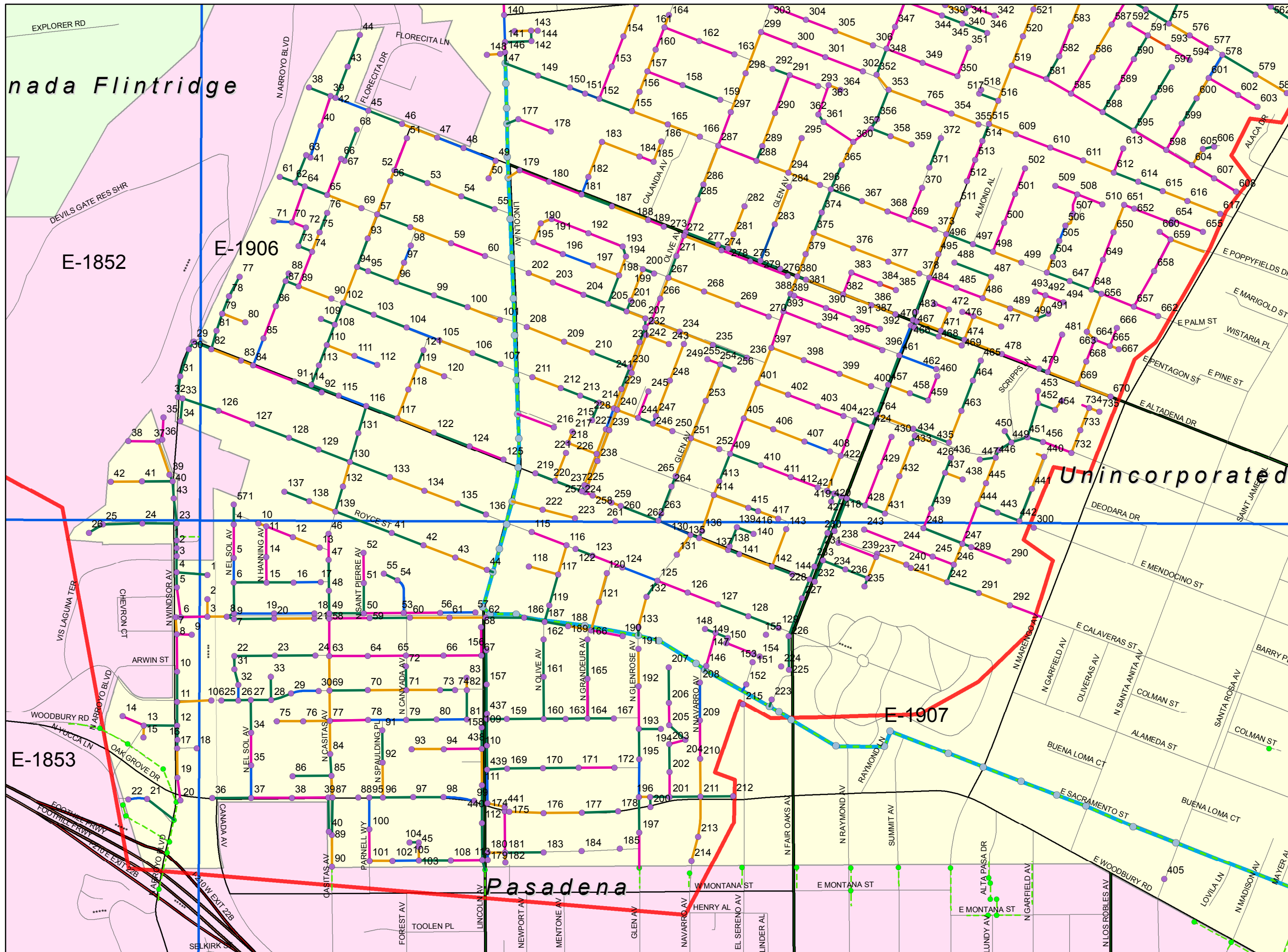
- Other
- Manhole Type
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- YOTV0910C

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January 2015



nada Flintridge

E-1852

E-1906

Unincorporated

E-1907

E-1853

Pasadena

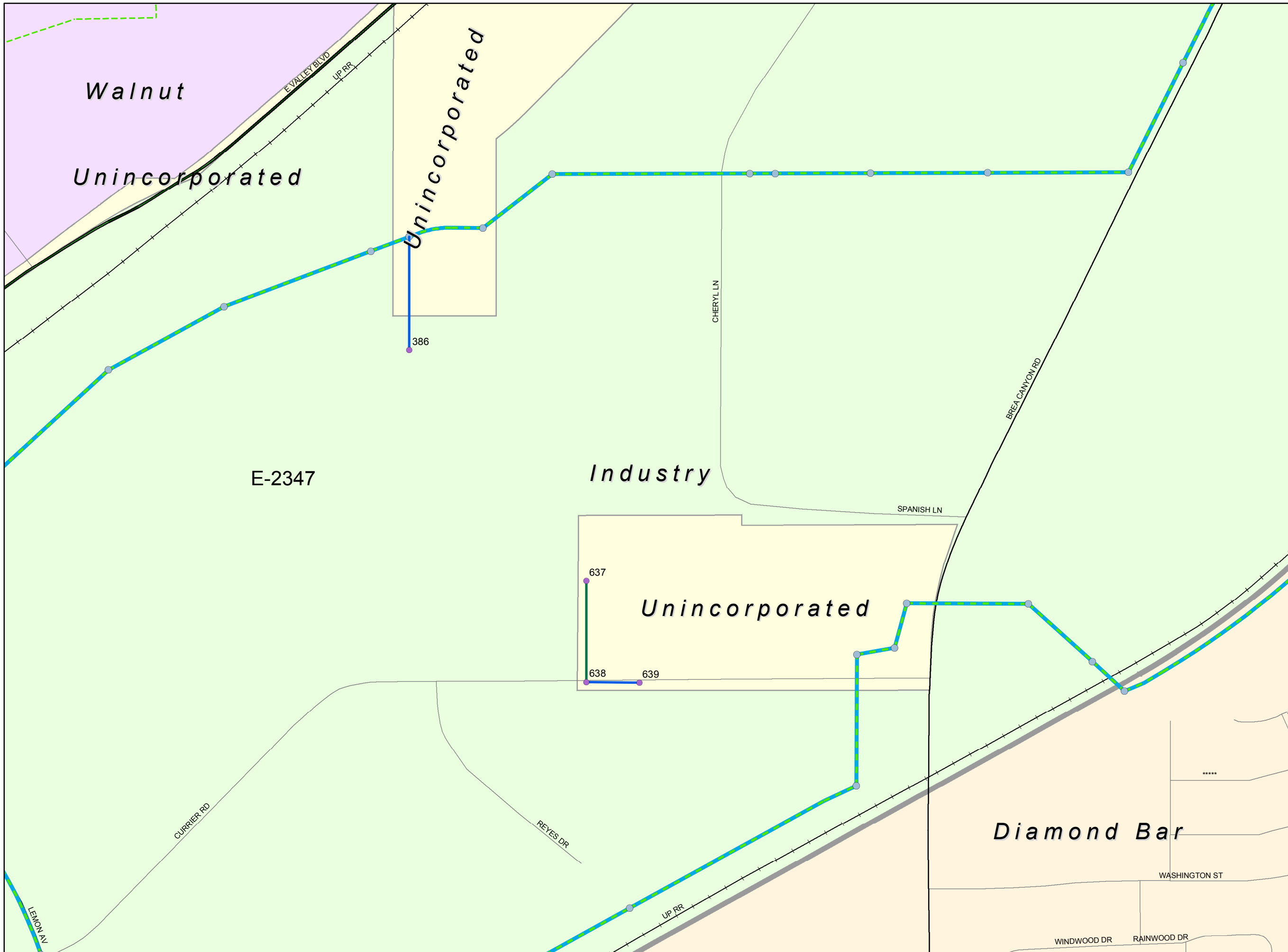
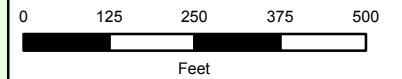
ENCLOSURE 2

CCTV PROJECT

Y0TV0910C

COUNTY
UNINCORPORATED

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
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- SMD Pump Stations
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Maintained by Others:

- Trunk Sewerlines
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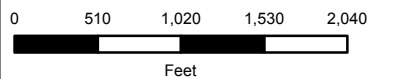
January 2015

**ENCLOSURE 2
HIGH WATER LEVELS
UNINCORPORATED EAST (Y0TV0910C)**

| ITEM NO. | QMR | START MH | END MH | STREET | OBSERVATION: LOCATION |
|-----------------|------------|-----------------|---------------|------------------|--|
| 1 | 4435 | 1907-0124 | 1907-0123 | MOUNTAIN VIEW ST | Camera underwater (sag); high water level (50%): 0'-21' |
| 2 | 4337 | 1853-0019 | 1853-0020 | WINDSOR AV | Camera underwater (sag); high water level (50%): 112'-139' |
| 3 | 4234 | 1906-0025 | 1906-0026 | CANYON CREST RD | Camera underwater (sag); high water level (70%): 28'-57' |
| 4 | 3F23 | 1906-0030 | 1906-0031 | LINCOLN AV | High water level (40 %): 197'-249' |
| 5 | 3400 | 1906-0034 | 1906-0766 | EASEMENT | High water level (40 %): 36'-51' |
| 6 | 3121 | 1906-0380 | 1906-0388 | GLENROSE AV | High water level (40 %): 1'-4' |
| 7 | 3100 | 1907-0181 | 1907-0180 | LAUN ST | High water level (40 %): 164'-170' |

**ENCLOSURE 2
INFILTRATION
UNINCORPORATED EAST (Y0TV0910C)**

| Item No. | QMR | START MH | END MH | STREET | OBSERVATION | Proposed Corrective Method |
|-----------------|------------|-----------------|---------------|---------------|----------------------------|--|
| 1 | 4434 | 1852-0037 | 1852-0038 | LEHIGH ST | Infiltration (runner): 62' | Infiltration is minimal. No action needed. |



Legend

— HIGH WATER LEVELS

— INFILTRATION

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

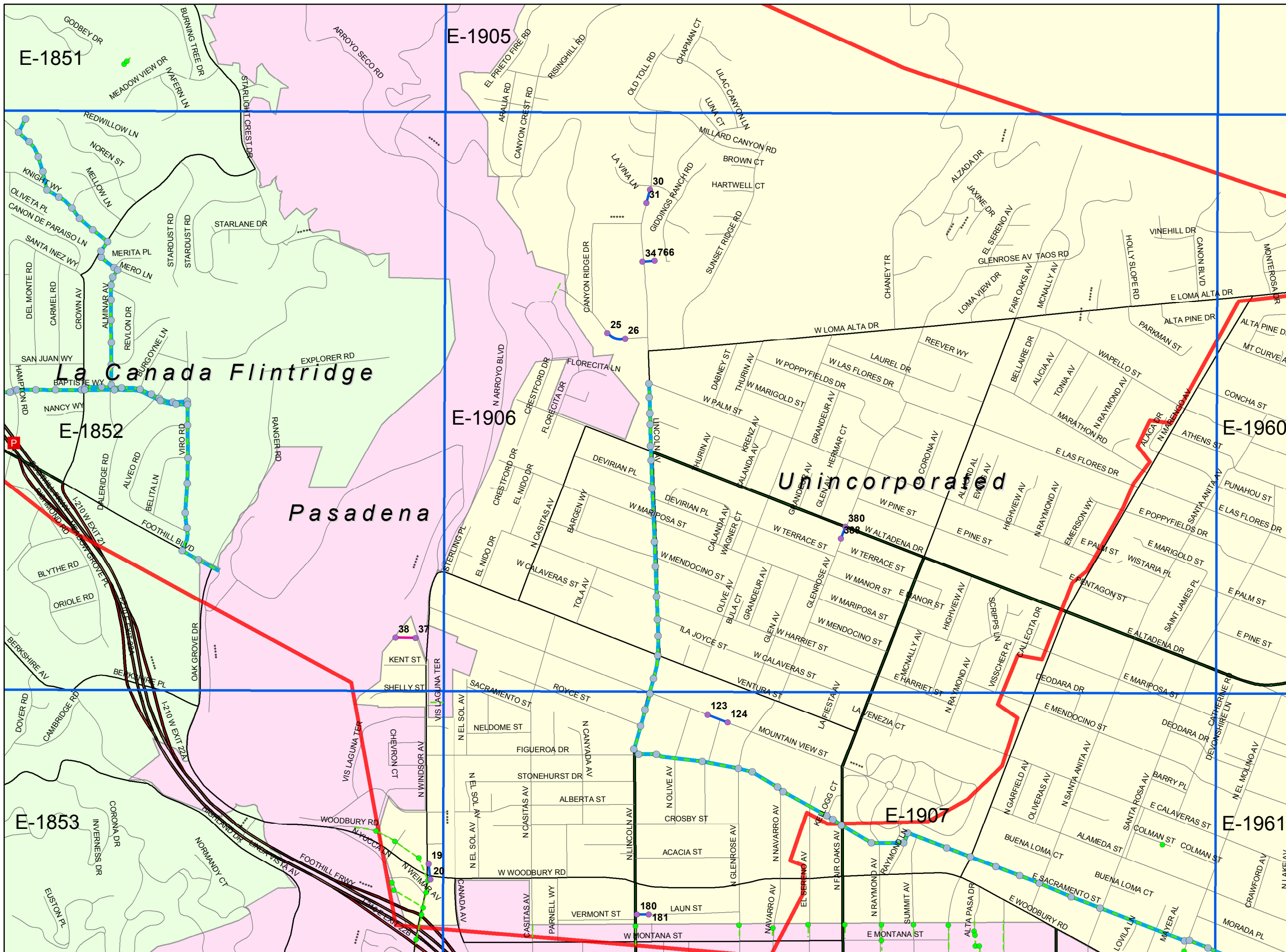
--- Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

▭ YOTV0910C

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La Canada Flintridge

Pasadena

Unincorporated



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

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

(DATE)

IN REPLY PLEASE

REFER TO FILE: SM-1

Mr./Ms. (NAME)
(ADDRESS)

Dear Ms. (LAST NAME):

SEWER LATERAL ROOT INTRUSION

The County of Los Angeles Consolidated Sewer Maintenance District is responsible for the maintenance of the sanitary sewer system in your area. We recently televised the sewer mainline and 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 upstream of your property. You are hereby requested to perform maintenance on the private sewer lateral serving the property located at 4474 El Prieto Road, Altadena, California 91001.

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."***

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 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 (626) 446-5227 to arrange for authorization to access the downstream manhole.

We have enclosed photos of your lateral connection showing the root blockage. In addition, 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 your sewer lateral has been cleaned after the date on the enclosed photos, no further action is necessary. After your lateral has been serviced, please notify Mr. Fernando Villaluna, Sewer Maintenance Division, at (626) 300-3380 or fvillaluna@dpw.lacounty.gov.

Thank you for helping keep the sewer lines clean and in good working order.

Very truly yours,

GAIL FARBER
Director of Public Works

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

XXXXX

Enc.

File (Later

XXXXX

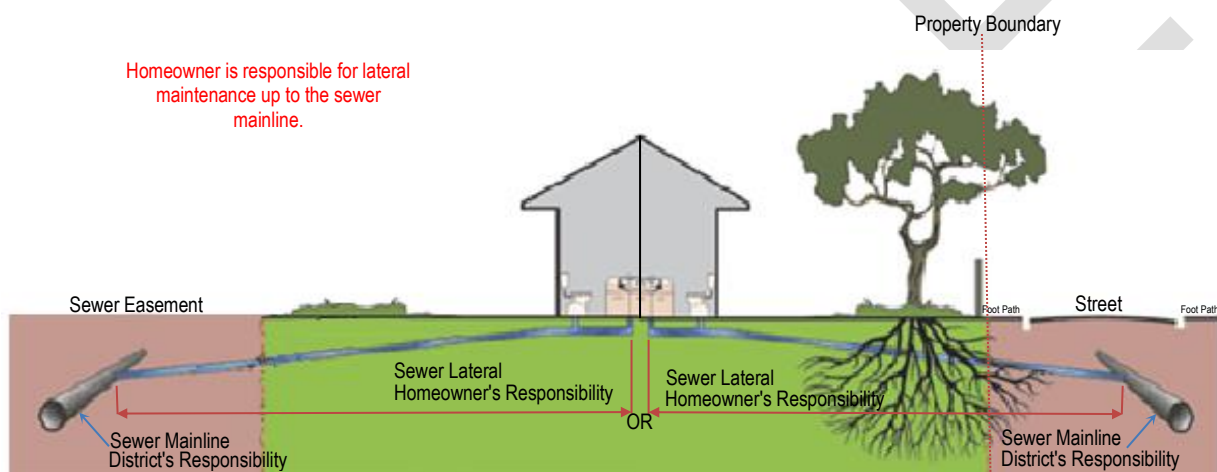
Roots at Lateral Connection



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 Report
Priority List
- Quick Structural Rating Map
- Lining and Point Repair
Projects Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY EAST (Y0TV0910C)

| ITEM NO. | QSR | START MH | END MH | STREET | OBSERVATION: LOCATION | PROPOSED CORRECTIVE METHOD | LENGTH OF REPAIR (FT) |
|----------|------|-----------|-----------|---------------|--|--|-----------------------|
| 1 | 5445 | 1907-0081 | 1907-0080 | CROSBY ST | Broken: 92', 164'; fractures/cracks: multiple locations | Lining: MH to MH (CIPP) | 299 |
| 2 | 533M | 1907-0098 | 1907-0097 | WOODBURY RD | Hole: base of both MH 98 & 97 | CSMD will repair base of MH 97 & 98. | |
| 3 | 523L | 1907-0097 | 1907-0096 | WOODBURY RD | Broken/fractures: 4'-9' | Point Repair | |
| 4 | 523J | 1907-0102 | 1907-0103 | VERMONT ST | Broken: base of MH 103 | CSMD will repair base of MH 103. | |
| 5 | 523F | 1906-0014 | 1906-0015 | EASEMENT | Broken: 127' | Structural integrity in tact. No action needed. | |
| 6 | 523C | 1907-0094 | 1907-0093 | ARCHWOOD PL | Broken: 124' | Point Repair | |
| 7 | 513N | 1907-0103 | 1907-0108 | VERMONT ST | Broken: 236' | Point Repair | |
| 8 | 513K | 1907-0099 | 1907-0098 | WOODBURY RD | Hole: base of both MH 98 | CSMD will repair base of MH 98. | |
| 9 | 513J | 1906-0047 | 1906-0046 | ALTADENA DR | Hole: 185' | Point Repair | |
| 10 | 5248 | 1906-0161 | 1906-0164 | THURIN AV | Broken/deformed/fractures: 76'-99' | Lining: MH to MH (CIPP) | 149 |
| 11 | 5247 | 1906-0016 | 1906-0015 | EASEMENT | Broken/deformed/fractures: 82'-132' | Lining: MH to MH | 285 |
| 12 | 5242 | 1907-0093 | 1907-0094 | ARCHWOOD PL | Broken: 173' | Point Repair | |
| 13 | 5241 | 1906-0384 | 1906-0385 | EASEMENT | Broken/fractures: 31'-60' | Lining: MH to MH | 145 |
| 14 | 5234 | 1906-0485 | 1906-0484 | PINE ST | Broken: 22', 278' | Lining: MH to MH | 286 |
| 15 | 5231 | 1906-0501 | 1906-0502 | EWING AV | Broken/fractures: 130'-140' | Point Repair | |
| 16 | 5200 | 1906-0427 | 1907-0231 | FAIR OAKS AV | Broken: 181' | Point Repair | |
| 17 | 5142 | 1906-0319 | 1906-0320 | EASEMENT | Broken: 81' | Structural integrity in tact. No action needed. | |
| 18 | 5142 | 1906-0573 | 1906-0587 | ALICIA AV | Broken: 312' | Lining: MH to MH | 312 |
| | | 1906-0587 | 1906-0573 | | Broken: 9'; fractures: 32' | | |
| 19 | 5141 | 1906-0158 | 1906-0157 | MARIGOLD ST | Broken/fractures: 121'-122'; cracks: multiple locations | Lining: MH to MH | 345 |
| 20 | 5141 | 1906-0220 | 1906-0224 | VENTURA ST | Fractures: 115'; hole: base of MH 224 | CSMD will repair base of MH 224. | |
| 21 | 5141 | 1906-0572 | 1906-0573 | WAPELLO ST | Broken: 224'; fractures: 81' | Lining: MH to MH | 232 |
| 22 | 5141 | 1906-0610 | 1906-0609 | LAS FLORES DR | Broken: 126'; fractures: 37' | Lining: MH to MH | 300 |
| 23 | 5141 | 1906-0649 | 1906-0648 | RAYMOND AV | Fractures: 87'; hole at base of MH 648 | CSMD will repair base of MH 648. | |
| 24 | 5141 | 1907-0147 | 1907-0146 | EASEMENT | Broken: 296'-299'; fractures: 66' | Lining: MH to MH | 311 |
| 25 | 5141 | 1906-0608 | 1906-0607 | MARATHON RD | Broken: 136' | Point Repair | |
| 26 | 5137 | 1906-0664 | 1906-0668 | EASEMENT | Fracture: 4'; cracks: multiple locations; hole at base of MH 668 | Lining: MH to MH; CSMD will repair base of MH 668. | 204 |
| 27 | 5134 | 1907-0210 | 1907-0211 | NAVARRO AV | Broken: 331'; joint offset (large): 346' | Point Repairs | |
| 28 | 5133 | 1906-0178 | 1906-0177 | VILLA ZANITA | Broken : 11'; fractures: multiple locations | Lining: MH to MH (CIPP) | 293 |

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY EAST (Y0TV0910C)

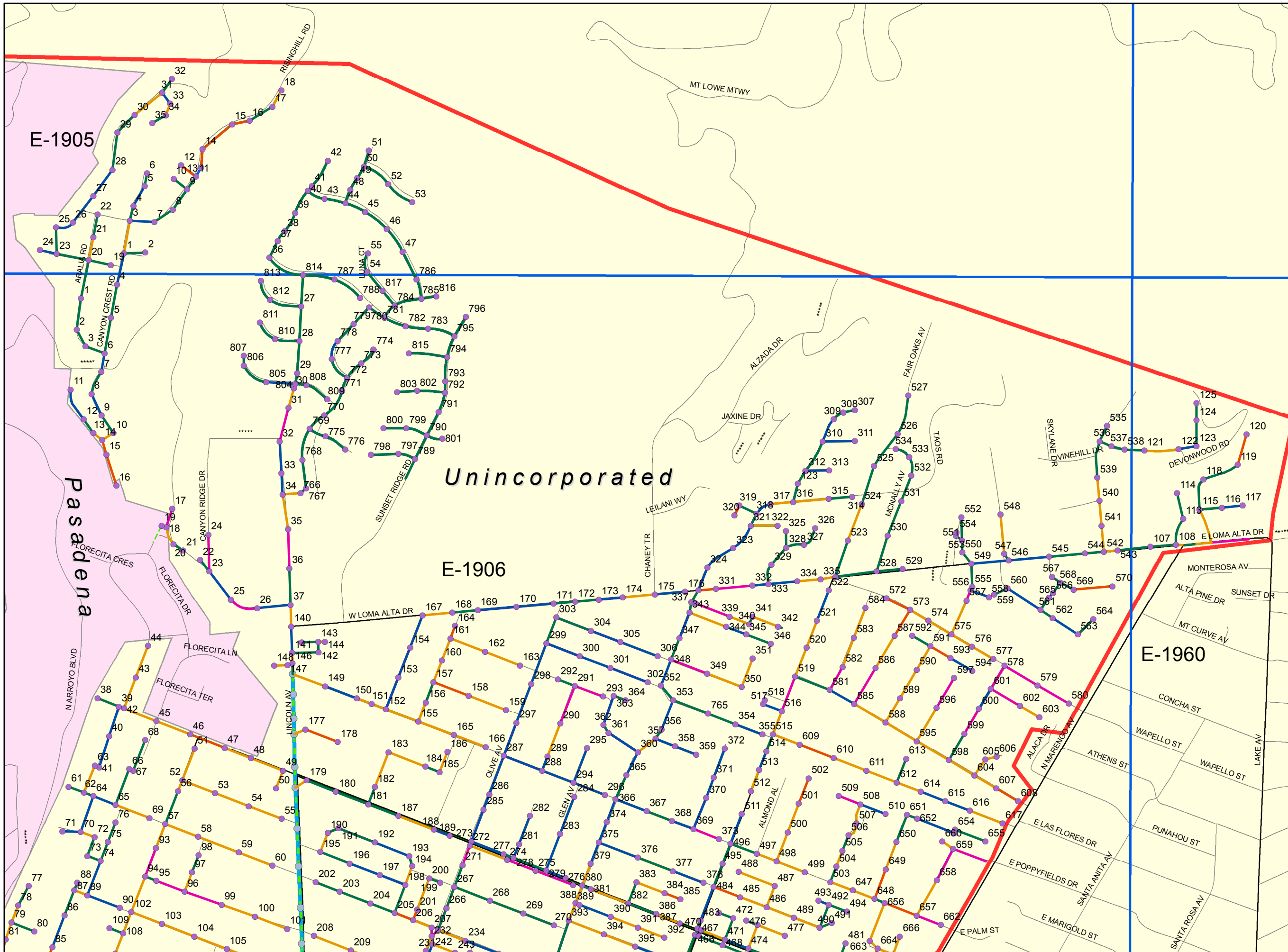
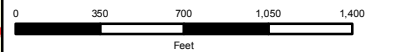
| ITEM NO. | QSR | START MH | END MH | STREET | OBSERVATION: LOCATION | PROPOSED CORRECTIVE METHOD | LENGTH OF REPAIR (FT) |
|----------|------|-----------|-----------|------------------|--|---|-----------------------|
| 29 | 5133 | 1906-0205 | 1906-0206 | MARIPOSA ST | Hole: base of MH 206 | CSMD will repair base of MH 206 | |
| 30 | 5133 | 1906-0657 | 1906-0656 | PALM ST | Broken: 305' | Lining: MH to MH | 310 |
| 31 | 5133 | 1907-0006 | 1907-0007 | EL SOL AV | Broken: 51' | Structural integrity in tact. No action needed. | |
| 32 | 5133 | 1907-0037 | 1907-0038 | WOODBURY RD | Hole: 85' | Point Repair | |
| 33 | 5133 | 1907-0132 | 1907-0133 | GLENROSE AV | Broken: 32' | Point Repair | |
| 34 | 5132 | 1906-0593 | 1906-0591 | EASEMENT | Broken: 47' | Lining: MH to MH | 203 |
| 35 | 5131 | 1906-0081 | 1906-0082 | STERLING PL | Broken: 212'; fractures: 205' | Point Repair | |
| 36 | 5131 | 1906-0085 | 1906-0084 | EL NIDO DR | Broken/fractures: 259' (concrete encasement) | Structural integrity in tact. No action needed. | |
| 37 | 5131 | 1906-0091 | 1906-0084 | VENTURA ST | Broken/fractures: 126' -127' | Structural integrity in tact. No action needed. | |
| 38 | 5131 | 1906-0242 | 1906-0243 | EASEMENT | Broken: 208' | Structural integrity in tact. No action needed. | |
| 39 | 5131 | 1906-0404 | 1906-0403 | MARIPOSA ST | Broken: base of MH 403 | CSMD will repair base of MH 403. | |
| 40 | 5131 | 1906-0570 | 1906-0569 | ALTA PINE DR | Broken: base of MH 569 | CSMD will repair base of MH 569. | |
| 41 | 5131 | 1907-0181 | 1907-0180 | LAUN ST | Broken: 156' | Point Repair (sleeve) | |
| 42 | 5131 | 1907-0202 | 1907-0201 | EASEMENT | Hole: base of MH 201 | CSMD will repair base of MH 201. | |
| 43 | 5123 | 1906-0279 | 1906-0278 | ALTADENA DR | Hole: base of MH 278 | CSMD will repair base of MH 278. | |
| 44 | 5122 | 1907-0005 | 1907-0006 | EL SOL AV | Broken: 234' | Structural integrity in tact. No action needed. | |
| 45 | 5121 | 1905-0012 | 1905-0011 | SUNMORE LN | Hole at base of MH 11 | CSMD will repair base of MH 11 | |
| 46 | 5121 | 1906-0169 | 1906-0168 | LOMA ALTA DR | Broken: 87' | Structural integrity in tact. No action needed. | |
| 47 | 5112 | 1905-0014 | 1905-0013 | RISINGHILL RD | Hole at base of MH 13 | CSMD will repair base of MH 13 | |
| 48 | 5112 | 1906-0201 | 1906-0206 | WAGNER CT | Hole: base of MH 206 | CSMD will repair base of MH 206. | |
| 49 | 5112 | 1907-0065 | 1907-0064 | STONEHURST DR | Hole: base of MH 64 | CSMD will repair base of MH 64. | |
| 50 | 5112 | 1960-0120 | 1960-0119 | EASEMENT | Broken: 34' | Point Repair (sleeve) | |
| 51 | 5111 | 1906-0084 | 1906-0083 | VENTURA ST | Broken: 11' | Structural integrity in tact. No action needed. | |
| 52 | 5100 | 1853-0013 | 1853-0015 | EASEMENT | Broken: 46' | Point Repair (sleeve) | |
| 53 | 5100 | 1906-0219 | 1906-0220 | VENTURA ST | Hole: base of MH 220 | CSMD will repair base of MH 220. | |
| 54 | 5100 | 1906-0331 | 1906-0330 | LOMA ALTA DR | Broken: 98' -100' | Lining: MH to MH (CIPP) | 112 |
| 55 | 5100 | 1906-0793 | 1906-0792 | SUNSET RIDGE RD | Broken: 53' | Structural integrity in tact. No action needed. | |
| 56 | 5100 | 1907-0087 | 1907-0089 | CASITAS AV | Broken: 167' | Structural integrity in tact. No action needed. | |
| 57 | 5100 | 1907-0124 | 1907-0123 | MOUNTAIN VIEW ST | Broken: 2' | Structural integrity in tact. No action needed. | |

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY EAST (Y0TV0910C)

| ITEM NO. | QSR | START MH | END MH | STREET | OBSERVATION: LOCATION | PROPOSED CORRECTIVE METHOD | LENGTH OF REPAIR (FT) |
|----------|------|-----------|-----------|-----------------|--|---|-----------------------|
| 58 | 5100 | 1907-0238 | 1907-0237 | CALAVERAS ST | Broken: base of MH 237 | CSMD will repair base of MH 237. | |
| 59 | 4435 | 1906-0586 | 1906-0585 | ALICIA AV | Fractures: 24', 79', 192'; hole: base of MH 89 | Lining: MH to MH; CSMD will repair base of MH 89. | 282' |
| 60 | 4236 | 1907-0053 | 1907-0056 | FIGUEROA DR | Fractures: 248', 269', 275' | Lining: MH to MH | 352' |
| 61 | 4235 | 1906-0297 | 1906-0287 | OLIVE AV | Fractures: 332' | Point Repair | |
| 62 | 4235 | 1906-0339 | 1906-0338 | EASEMENT | Fractures: 93', 112' | Lining: MH to MH | 315' |
| 63 | 4235 | 1907-0160 | 1907-0159 | CROSBY ST | Fractures: 72'; hole: base of MH 159 | CSMD will repair base of MH 159. | |
| 64 | 4232 | 1960-0112 | 1960-0111 | LOMA ALTA DR | Fractures: 55', 289' | Structural integrity in tact. No action needed. | |
| 65 | 4231 | 1907-0206 | 1907-0205 | EASEMENT | Fractures: 139'-161' | Lining: MH to MH | 194' |
| 66 | 4221 | 1907-0052 | 1907-0051 | ST PIERRE AV | Fractures: 118', 297' | Lining: MH to MH | 302' |
| 67 | 413M | 1907-0102 | 1907-0101 | VERMONT ST | Hole: base of MH 102 | CSMD will repair base of MH 102. | |
| 68 | 413J | 1852-0034 | 1852-0033 | WINDSOR AV | Fractures: 40' | Structural integrity in tact. No action needed. | |
| 69 | 413J | 1907-0051 | 1907-0050 | ST PIERRE AV | Fracture: 45' | Lining: MH to MH | 240' |
| 70 | 413A | 1906-0099 | 1906-0096 | MENDOCINO ST | Fractures: 141'; cracks: multiple locations | Lining: MH to MH | 351' |
| 71 | 413A | 1906-0166 | 1906-0165 | PALM ST | Fractures/cracks: multiple locations | Lining: MH to MH | 335 |
| 72 | 412A | 2347-0638 | 2347-0639 | CURRIER RD | Broken: 154' | Structural integrity in tact. No action needed. | |
| 73 | 4138 | 1906-0222 | 1906-TRNK | EASEMENT | Fractures: 90'; cracks: multiple locations | Lining: MH to MH | 275 |
| 74 | 4137 | 1906-0332 | 1906-0331 | LOMA ALTA DR | Fractures: 42'; cracks: multiple locations | Lining: MH to MH (CIPP) | 352 |
| 75 | 4137 | 1906-0519 | 1906-0516 | FAIR OAKS AV | Fractures: 174'; cracks: multiple locations | Lining: MH to MH | 314 |
| 76 | 4135 | 1906-0096 | 1906-0095 | MENDOCINO ST | Fractures: 64' | Lining: MH to MH | 305 |
| 77 | 4135 | 1906-0349 | 1906-0348 | LAUREL DR | Fractures: 113'; cracks: multiple locations | Lining: MH to MH | 341' |
| 78 | 4135 | 1906-0582 | 1906-0581 | BELLAIRE DR | Fractures: 222' | Lining: MH to MH | 256 |
| 79 | 4134 | 1906-0025 | 1906-0026 | CANYON CREST RD | Sag | Structural integrity in tact. No action needed. | |
| 80 | 4134 | 1906-0093 | 1906-0094 | CASITAS AV | Fractures: 202' | Structural integrity in tact. No action needed. | |
| 81 | 4134 | 1906-0580 | 1906-0579 | WAPELLO ST | Fractures: 186' | Lining: MH to MH | |
| 82 | 4134 | 1907-0030 | 1907-0029 | ALBERTA ST | Fractures: 144' | Structural integrity in tact. No action needed. | |
| 83 | 4134 | 1907-0038 | 1907-0039 | WOODBURY RD | Fractures: 156' | Point Repair | |
| 84 | 4134 | 1907-0039 | 1907-0040 | CASITAS AV | Fractures: 254' | Point Repair | |
| 85 | 4134 | 1907-0056 | 1907-0057 | FIGUEROA DR | Fractures: 88' | Lining: MH to MH | 259' |
| 86 | 4133 | 1906-0508 | 1906-0509 | EASEMENT | Fractures: 127' | Lining: MH to MH | 205 |

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED COUNTY EAST (Y0TV0910C)

| ITEM NO. | QSR | START MH | END MH | STREET | OBSERVATION: LOCATION | PROPOSED CORRECTIVE METHOD | LENGTH OF REPAIR (FT) |
|----------|------|-----------|-----------|-----------------|---|---|-----------------------|
| 87 | 4133 | 1906-0579 | 1906-0578 | WAPELLO ST | Fractures: 311'; cracks: multiple locations | Lining: MH to MH | 348' |
| 88 | 4133 | 1906-0597 | 1906-0596 | LAURICE AV | Fractures: 224'; cracks: multiple locations | Lining: MH to MH | 333' |
| 89 | 4133 | 1907-0004 | 1907-0005 | EL SOL AV | Broken: 239' | Structural integrity in tact. No action needed. | |
| 90 | 4133 | 1907-0016 | 1907-0017 | NELDOME ST | Fractures: 148' | Structural integrity in tact. No action needed. | |
| 91 | 4132 | 1906-0031 | 1906-0032 | LINCOLN AV | Fractures: 165' | Structural integrity in tact. No action needed. | |
| 92 | 4132 | 1906-0035 | 1906-0036 | LINCOLN AV | Fractures: 57' | Structural integrity in tact. No action needed. | |
| 93 | 4132 | 1906-0138 | 1906-0137 | ROYCE ST | Fractures: 266' | Structural integrity in tact. No action needed. | |
| 94 | 4132 | 1906-0578 | 1906-0601 | RAYMOND AV | Fractures: 130' | Lining: MH to MH | 253 |
| 95 | 4132 | 1906-0661 | 1906-0659 | POPPYFIELDS DR | Fractures: 147' | Lining: MH to MH | 250' |
| 96 | 4132 | 1906-0662 | 1906-0657 | PALM ST | Fractures: 215' | Lining: MH to MH | 237' |
| 97 | 4131 | 1906-0600 | 1906-0599 | RAYMOND AV | Fractures: 145' | Lining: MH to MH | 225 |
| 98 | 4131 | 1906-0601 | 1906-0602 | EASEMENT | Fractures: 80' | Structural integrity in tact. No action needed. | |
| 99 | 4131 | 1907-0116 | 1907-0117 | OLIVE AV | Fractures: 142' | Structural integrity in tact. No action needed. | |
| 100 | 4131 | 1907-0161 | 1907-0162 | OLIVE AV | Fractures: 190' | Point Repair (sleeve) | |
| 101 | 4128 | 1906-0291 | 1906-0290 | GRANDEUR AV | Fractures: 30'; cracks: multiple locations | Lining: MH to MH | 330' |
| 102 | 4125 | 1906-0318 | 1906-0319 | EASEMENT | Fractures: 160'; cracks: multiple locations | Lining: MH to MH | 167' |
| 103 | 4121 | 1906-0105 | 1906-0106 | HARRIET ST | Fractures: 32' | Structural integrity in tact. No action needed. | |
| 104 | 4121 | 1907-0139 | 1907-0138 | EASEMENT | Broken: 173' | Lining: MH to MH | 176 |
| 105 | 4111 | 1906-0207 | 1906-0232 | OLIVE AV | Fractures: 6' | Structural integrity in tact. No action needed. | |
| 106 | 4100 | 1853-0008 | 1853-0009 | ALLEY | Fractures: 37' | Structural integrity in tact. No action needed. | |
| 107 | 4100 | 1906-0018 | 1906-0017 | CANYON CREST RD | Fractures: 141' | Structural integrity in tact. No action needed. | |
| 108 | 4100 | 1906-0024 | 1906-0023 | CANYON RIDGE DR | Fractures: 40' | Structural integrity in tact. No action needed. | |
| 109 | 4100 | 1906-0106 | 1906-0107 | HARRIET ST | Fractures: 8' | Structural integrity in tact. No action needed. | |
| 110 | 4100 | 1906-0539 | 1906-0536 | CANNON BV | Joint offset (large): 52'-56' | Point Repair | |
| 111 | 4100 | 1906-0556 | 1906-0557 | EASEMENT | Fractures: 48' | Structural integrity in tact. No action needed. | |



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
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910C

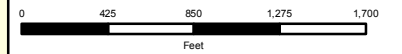
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CCTV PROJECT

Y0TV0910C

COUNTY UNINCORPORATED

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

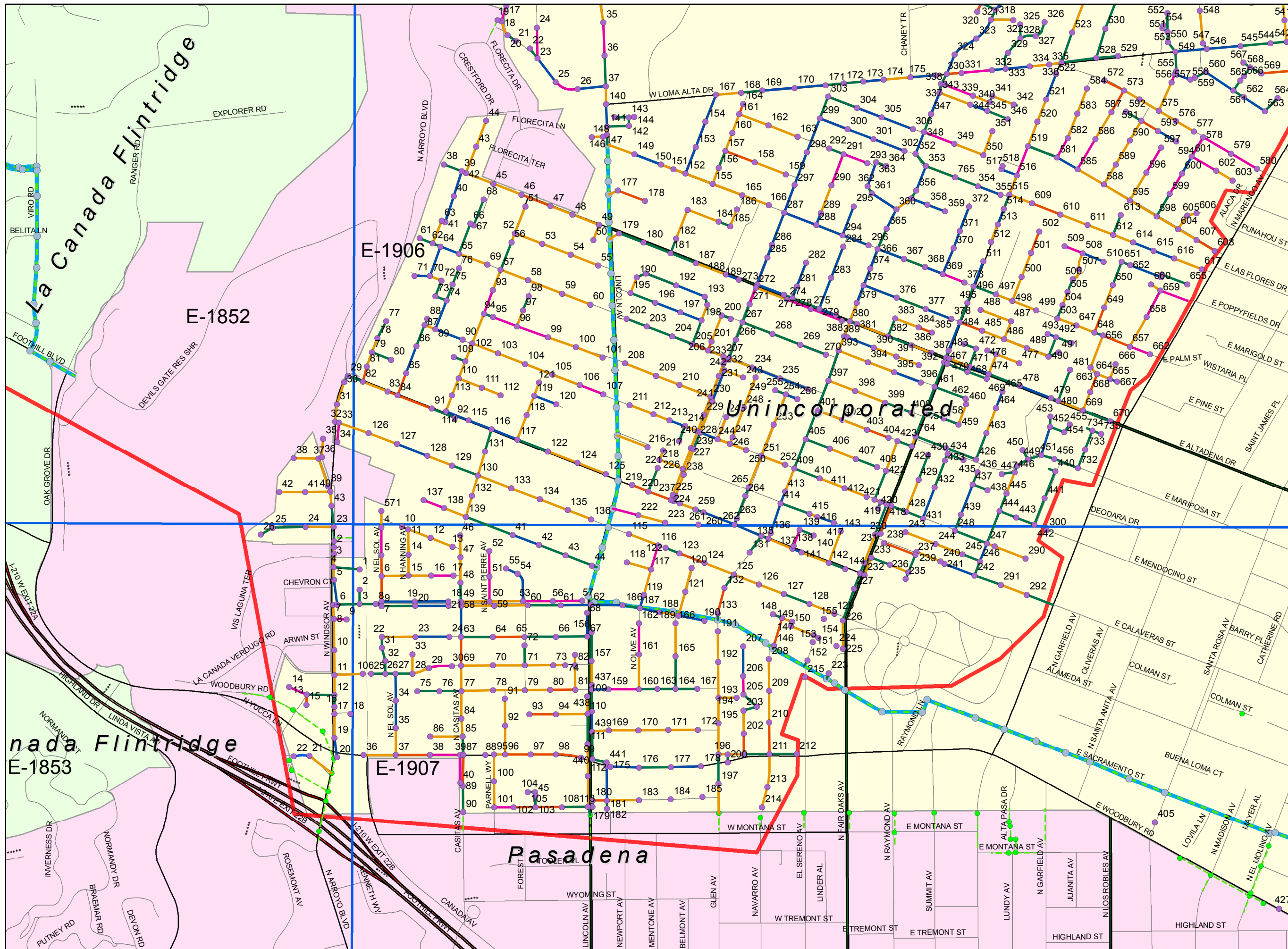
SMD Manholes

- Other
- Manhole Type
 - 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
- Y0TV0910C

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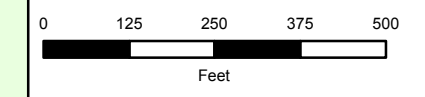
ENCLOSURE 3

CCTV PROJECT

YOTV0910C

COUNTY UNINCORPORATED

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

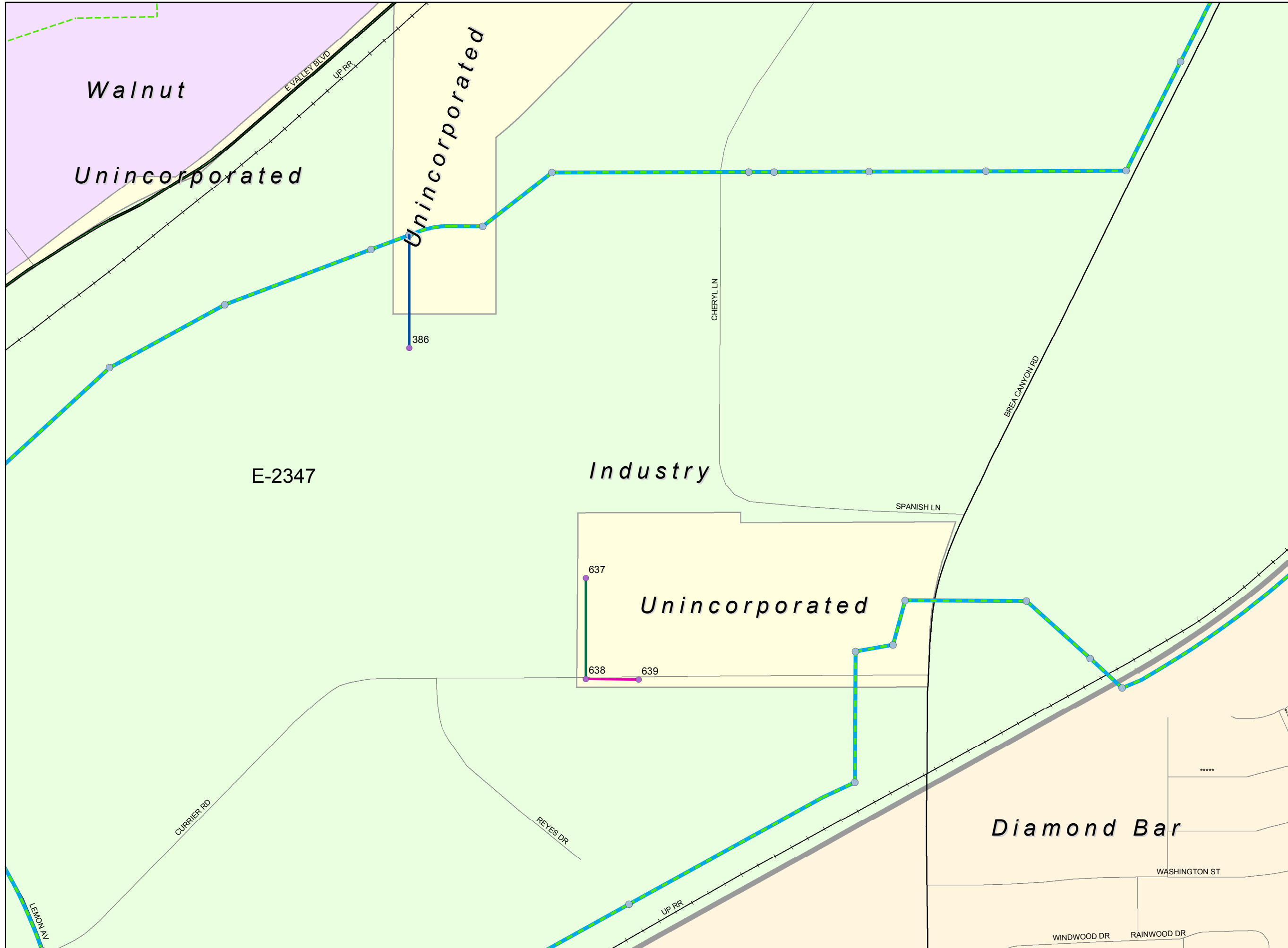
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- YOTV0910C

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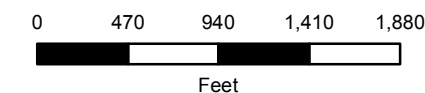
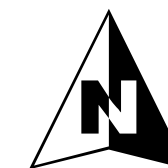
ENCLOSURE 3

CCTV PROJECT

Y0TV0910C

COUNTY UNINCORPORATED

LINING & POINT REPAIR



Legend

- POINT REPAIR
- LINING

SMD Manholes

- Other
- Manhole Type
 - 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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