



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

September 12, 2016

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Mr. Michael Forbs, Community Development Director
City of Temple City
9701 Las Tunas Drive
Temple City, California 91780

Attention Mr. Scott Reimers

Dear Mr. Forbs:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT – CITY OF TEMPLE CITY

This letter is to inform you that the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed a Sewer Condition Assessment Program of the City of Temple City's sewer system.

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 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, the segments with severe structural defects have either been repaired or will be scheduled for repair or replacement as part of our ongoing Accumulative Capital Outlay Project.

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 rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works

A handwritten signature in black ink, appearing to read "William J. Winter".

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

MH:lb

H:\SMHOME\LBOBADILLA\2016\LETTERS & MEMOS\464.DOCX

Enc.

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

PROJECT NAME:	Y0TV1112B	PROJECT MGR:	Hanna Kebede
PROJECT DATE:	10/03/2013	CONTACT NO:	(626) 300-3388
SUP. DISTRICT(s):	5	MAP PAGE(S):	2017, 2018, 2070, 2071
Report By:	May Hong	Report Date:	08/29/16

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 206,148 feet or 52 percent of the City of Temple City's (City) entire sewer system.

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 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 all 397,705 feet of the City's sewer system. Previous Condition Assessment Reports dated June 30, 2010, and October 13, 2011, have been provided to your City. 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. Y0TV1112B included sewer lines located in the unincorporated County of Los Angeles and the Cities of Bradbury, Duarte, Industry, La Cañada Flintridge, Temple City, and San Dimas. 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 66 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 34 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 enhanced 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	96,058	47	465
2: Minor to Moderate	38,870	19	181
3: Moderate	38,168	19	151
4: Significant	29,687	14	130
5: Most Significant	3,365	1	18
TOTAL	206,148	100	945

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 have been sent to property owners in your City 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 99.9 percent of the system televised has adequate capacity. Approximately 0.01 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 reaches 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage caused by debris in the sewer line, 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 77.3 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 22.7 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown on page 4. These segments have been placed on a priority list based on the severity and need for action. For items 1 through 187 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 OF TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	66,217	32.2	351
2: Minor to Moderate	12,777	6.2	64
3: Moderate	80,303	38.9	342
4: Significant	39,973	19.4	159
5: Most Significant	6,878	3.3	29
TOTAL	206,148	100	945

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
2008-09	Y0TV0809A	176,363	44.2	COMPLETED
2010-11	Y0TV1011B	15,194	3.8	COMPLETED
2011-12	Y0TV1112B	206,148	52.0	COMPLETED
TOTAL		397,705	100	

ENCLOSURE 1

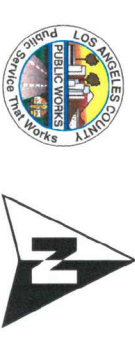
Project Overview Map

ENCLOSURE 1
CCTV PROJECT

Y0TV1112B

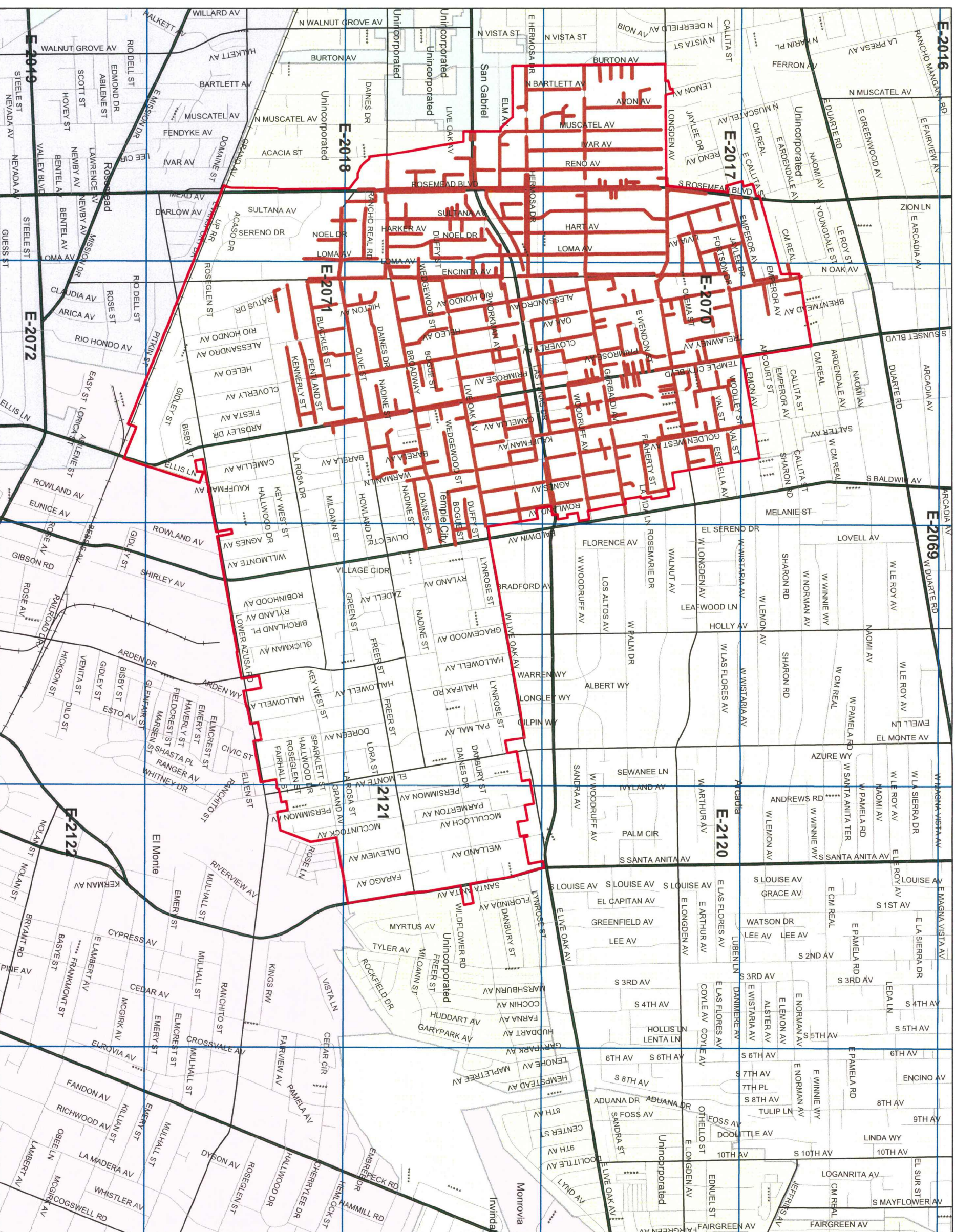
TEMPLE CITY

OVERVIEW MAP



Legend

- Project Area Sewers
- 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
- GEN. PROJID
- City Boundary



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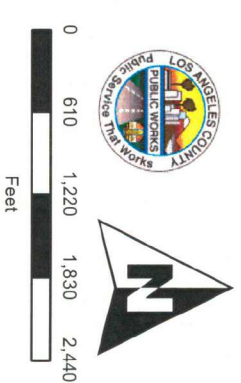
JANUARY 2014

ENCLOSURE 2

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

ENCLOSURE 2
CCTV PROJECT
Y0TV1112B
TEMPLE CITY

QUICK
MAINTENANCE
RATING
(QMR)



Legend

Sanitary Sewer QMR

- JUR, SL_QMR
- 1: MINOR
 - 2: MODERATE TO MINOR
 - 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:

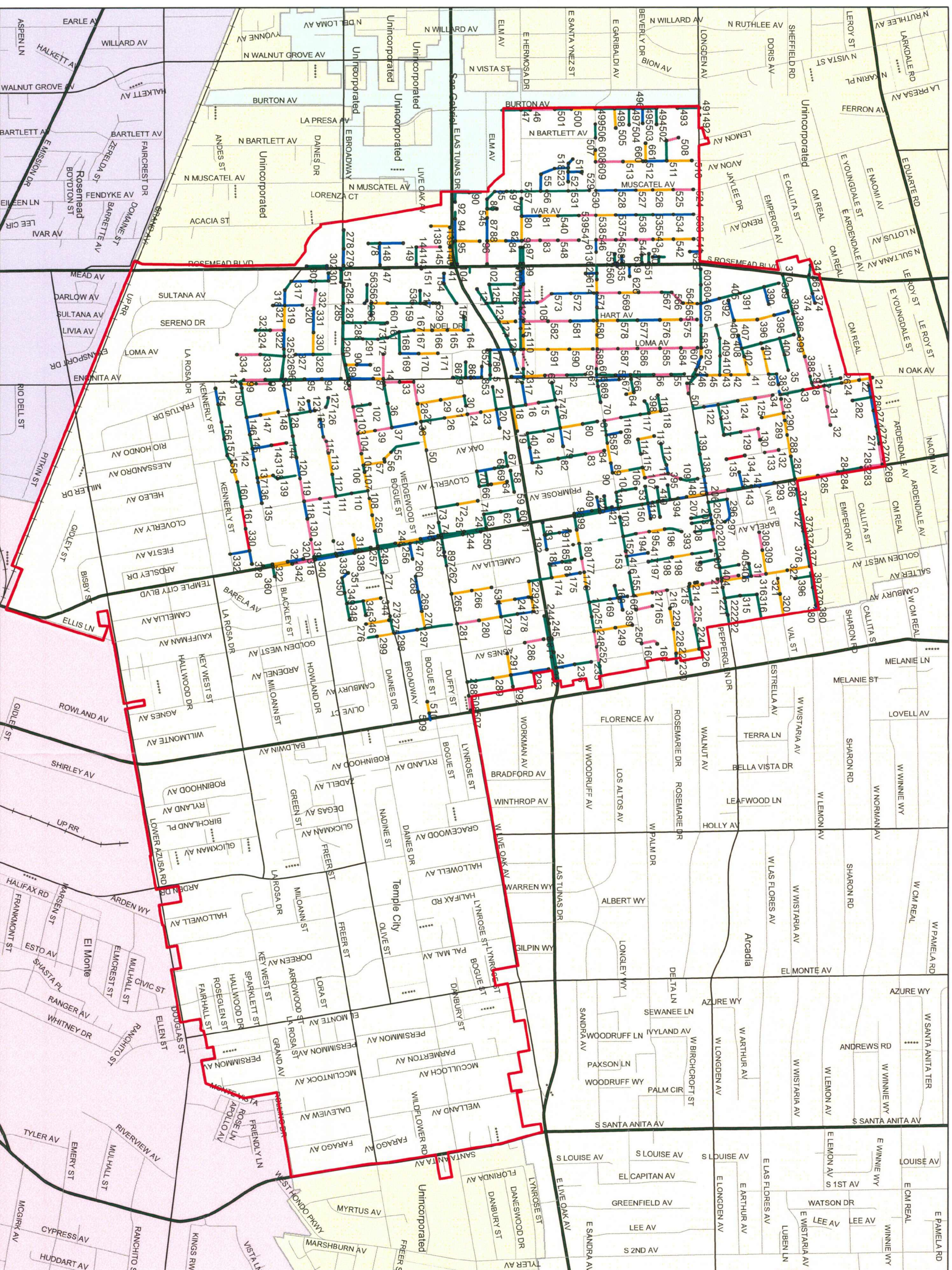
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps

GEN. PROJID

- City Boundary

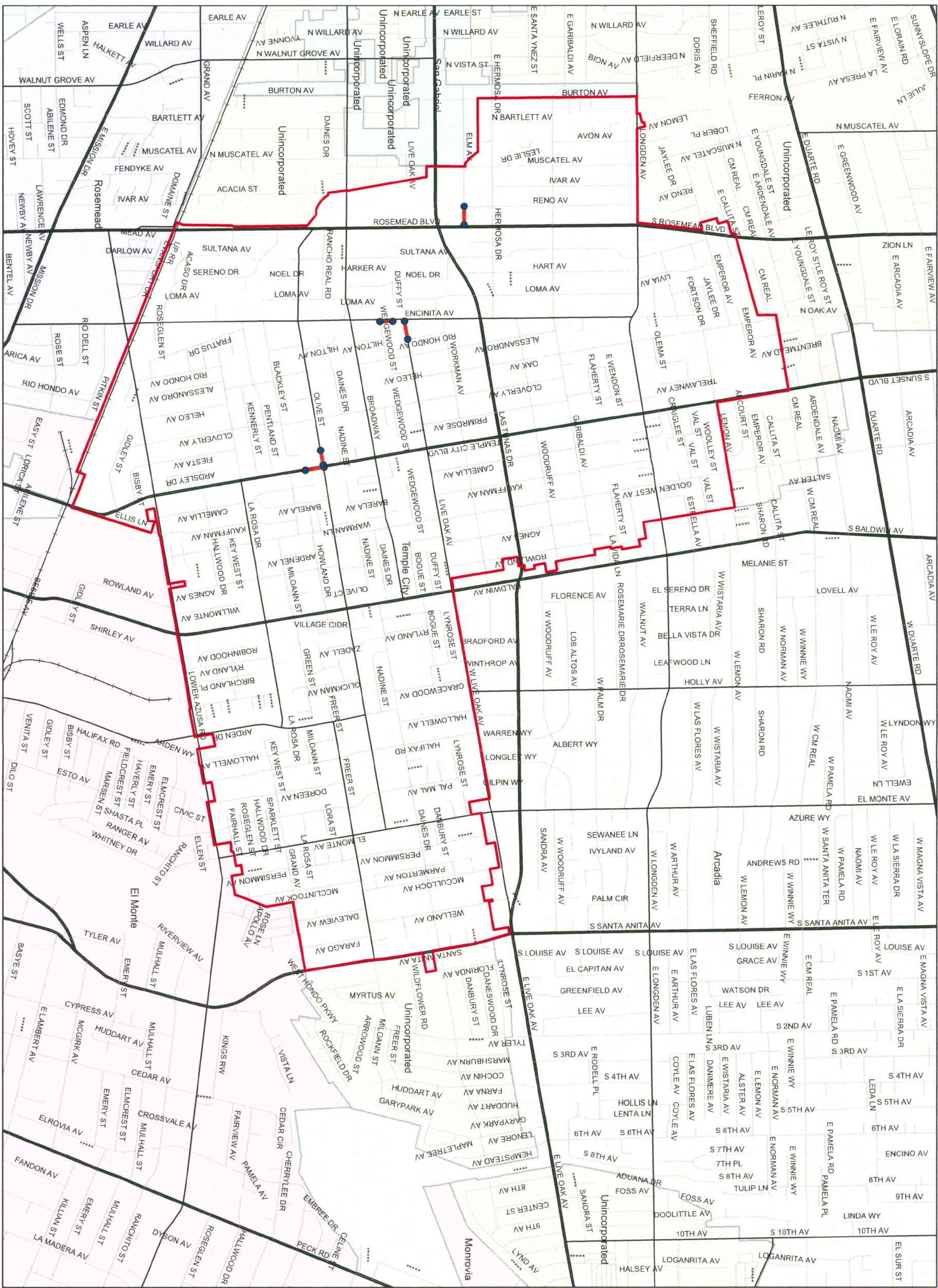
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APRIL 2016



ENCLOSURE 2
HIGH WATER LEVEL
CITY OF TEMPLE CITY (VOTV1112B)

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION (COMPLETED DATE)
1	4100	2018-0088	2018-0102	Elm Ave.	High water level (50%)	Hydrojet (6/6/14)
2	4235	2071-0028	2071-0032	Live Oak Ave.	High water level (70%)	Hydrojet (6/17/14)
3	4432	2071-0033	2071-0034	Encinita Ave.	High water level (50%)	Hydrojet (6/17/14)
4	4200	2071-0319	2071-0318	Olive St.	High water level (50%)	Hydrojet (6/18/14)
5	4132	2071-0340	2071-0342	Temple City Blvd.	High water level (60%)	Hydrojet (6/18/14)



ENCLOSURE 2

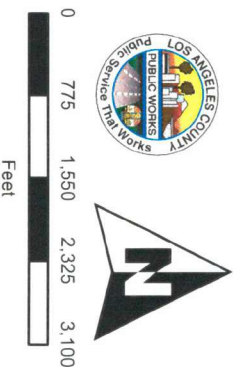
CCTV PROJECT

YOTV1112B

TEMPLE CITY

HIGH WATER

LEVEL



- Legend**
- High Water Level
- 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
- GEN_PROJID
- City Boundary

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JANUARY 2014



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

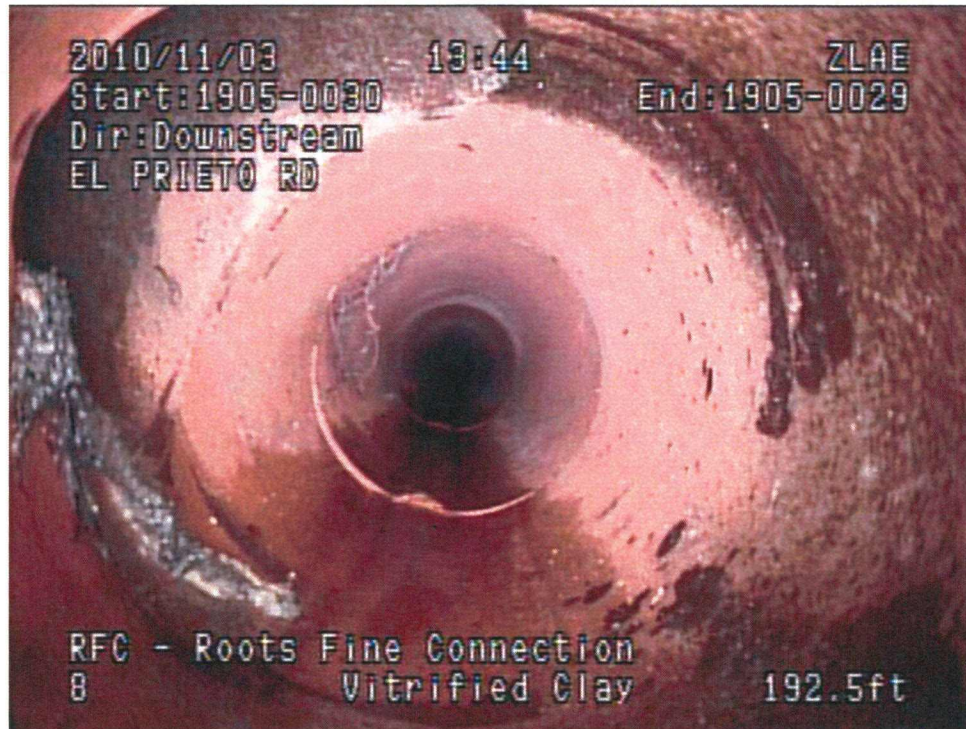
WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

XXXXX

Enc.

XXXXX

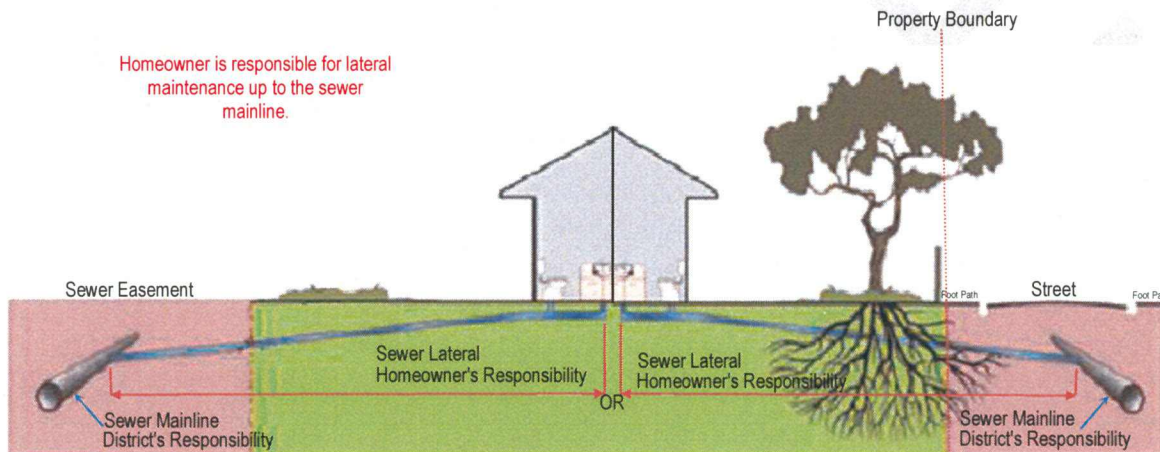
Roots at Lateral Connection



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
CITY OF TEMPLE CITY (VOTV11128)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	4632	2017-0370	2017-0385	EMPEROR AV	Cracks/Fractures 40, 71, 80, 243	Structural Integrity intact. No action needed	
2	4333	2017-0385	2017-0386	EMPEROR AV	Cracks/Fractures 17, 196, 212, 249	Structural Integrity intact. No action needed	
3	4431	2017-0386	2017-0387	EMPEROR AV	Cracks/Fractures 30, 263	Structural Integrity intact. No action needed	
4	4432	2017-0387	2017-0388	EMPEROR AV	Cracks/Fractures 43, 62, 328, 331	CSMD to repair base of MH 388.	
5	4136	2017-0388	2070-0029	EMPEROR AV	Cracks 99, 172, 329	Structural Integrity intact. No action needed	
6	4137	2017-0391	2017-0392	SULTANA AV	Cracks 33, 178, 196	Structural Integrity intact. No action needed	
7	4334	2017-0392	2017-0605	SULTANA AV	Cracks/Fractures 62, 100	Structural Integrity intact. No action needed	
8	4222	2017-0393	2017-0390	JAYLEE DR	Cracks/Fractures 9, 30, 230	Structural Integrity intact. No action needed	
9	4133	2017-0395	2017-0396	LIVIA AV	Cracks 48, 117, 162	Structural Integrity intact. No action needed	
10	4137	2017-0396	2017-0406	LIVIA AV	Cracks 34, 185, 208, 313	Structural Integrity intact. No action needed	
11	5241	2017-0406	2017-0407	WOOLLEY ST	Multiple cracks, Broken 153	Structural Integrity intact. No action needed	
12	5131	2017-0406	2017-0407	WOOLLEY ST	Crack 8, Broken 153	Point Repair	
13	4135	2017-0408	2070-0041	WOOLLEY ST	Cracks 12, 21, 75, 111	Structural Integrity intact. No action needed	
14	4131	2017-0493	2017-0494	BURTON ST	Fractures 173, 319	Structural Integrity intact. No action needed	
15	4132	2017-0499	2017-0500	BURTON ST	Cracks/Fractures 5, 221, 237	Structural Integrity intact. No action needed	
16	4133	2017-0500	2017-0501	BURTON ST	Cracks 32, 226, 238, 294	Structural Integrity intact. No action needed	
17	5144	2017-0501	2018-0046	BURTON AV	Cracks/fractures 12, 211, 218	Structural Integrity intact. No action needed	
18	4232	2017-0503	2017-0495	WORTHINGTON DR	Cracks/Fractures 8, 230	Structural Integrity intact. No action needed	
19	4300	2017-0514	2017-0515	BARTLETT AV	Cracks 69, 213, 274	Structural Integrity intact. No action needed	
20	5145	2017-0515	2017-0516	BARTLETT AV	Cracks/Fractures 177, 210	Structural Integrity intact. No action needed	
21	4600	2017-0516	2018-0050	BARTLETT AV	Cracks/Fractures 49	Structural Integrity intact. No action needed	
22	4100	2017-0516	2018-0050	BARTLETT AV	Fractures 114, 185	Structural Integrity intact. No action needed	
23	4134	2017-0537	2017-0538	IVAR AV	Cracks/Fractures 6, 193	Structural Integrity intact. No action needed	
24	4132	2017-0546	2017-0547	RENO AV	Cracks/Fracture 154, 246, 258	Structural Integrity intact. No action needed	
25	4100	2017-0575	2017-0576	HART AV	Fracture 240	Structural Integrity intact. No action needed	
26	4131	2017-0592	2017-0593	LONGDEN AV	Fracture 184, 193	Structural Integrity intact. No action needed	
27	5141	2017-0605	2017-0606	LONGDEN AV	Cracks 83, 164, 205, 306	Structural Integrity intact. No action needed	
28	4100	2017-0610	2017-0529	GARIBALDI AV	Fracture 9	Structural Integrity intact. No action needed	
29	4233	2018-0046	2018-0047	BURTON AV	Cracks 11, 26, 50, 114	Structural Integrity intact. No action needed	
30	4535	2018-0047	2018-CITY	BURTON AV	Cracks/Fractures 55, 85, 95, 236, 273	Structural Integrity intact. No action needed	
31	4400	2018-0049	2018-0047	HERMOSA DR	Cracks 7, 52, 94, 128	Structural Integrity intact. No action needed	
32	4331	2018-0050	2018-0049	HERMOSA DR	Cracks/Fractures 11, 41, 123	Structural Integrity intact. No action needed	
33	5143	2018-0051	2018-0050	HERMOSA DR	Cracks/Fractures 66, 88, 114	Structural Integrity intact. No action needed	
34	4600	2018-0052	2018-0051	HERMOSA DR	Cracks/Fractures 7, 82, 88, 134, 155	Structural Integrity intact. No action needed	
35	4111	2018-0053	2018-0052	HERMOSA DR	Fracture 50	Structural Integrity intact. No action needed	
36	4100	2018-0059	2018-0085	MUSCATELL AV	Cracks 32	Structural Integrity intact. No action needed	
37	4332	2018-0088A	2018-0102	EASEMENT	Joint Offset 153	Structural Integrity intact. No action needed	
38	5131	2018-0094	2018-0095	LAS TUNAS DR	Cracks 157, 257	Structural Integrity intact. No action needed	
39	4131	2018-0098	2018-0100	HERMOSA DR	Cracks 16, 143	Structural Integrity intact. No action needed	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF TEMPLE CITY (VOTV11128)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
40	4132	2018-0107	2018-0109	HERMOSA DR	Cracks/Fracture 10	Lining: MH to MH	278
41	4100	2018-0112	2018-0113	HERMOSA DR	Fracture 287	Structural Integrity intact. No action needed	
42	4127	2018-0130	2018-0178	LOMA AV	Cracks 242	Structural Integrity intact. No action needed	
43	4132	2018-0132	2018-CITY	LAS TUNAS DR	Cracks/Fracture 107, 165	Structural Integrity intact. No action needed	
44	4131	2018-0155	2018-0157	ALLEY	Cracks/ Fractures 4, 56, 185	Structural Integrity intact. No action needed	
45	4121	2018-0158	2018-0529	SULTANA AV	Fractures 2, 3, 33	Structural Integrity intact. No action needed	
46	4100	2018-0159	2018-0160	SULTANA AV	Fracture 6	Structural Integrity intact. No action needed	
47	4100	2018-0164	2018-0165	NOEL DR	Crack 23	Structural Integrity intact. No action needed	
48	4100	2018-0170	2018-0169	LOMA AV	Fracture 10	Structural Integrity intact. No action needed	
49	4232	2018-0171	2018-0170	LOMA AV	Cracks/Fractures 159, 201, 249	Structural Integrity intact. No action needed	
50	5141	2018-0172	2018-0173	NOEL DR	Cracks/Fractures 41, 194	Structural Integrity intact. No action needed	
51	4100	2018-0181	2018-0180	EASEMENT	Fracture 82	Lining: MH to MH	189
52	4100	2018-0291	2018-0290	NOEL DR	Fracture 52	Structural Integrity intact. No action needed	
53	4100	2018-0315	2018-0316	ALLEY	Fracture 212	Structural Integrity intact. No action needed	
54	4100	2018-0334	2018-0333	LOMA AV	Fracture 101	Structural Integrity intact. No action needed	
55	4137	2018-CITY	2018-0090	MUSCATEL AV	Cracks 22,34,40, 67, 81, 114, 159, 186	Structural Integrity intact. No action needed	
56	4132	2070-0022	2070-0024	OAK AV	Cracks/Fracture 9, 71, 239	Structural Integrity intact. No action needed	
57	4133	2070-0024	2070-0025	OAK AV	Cracks/Fractures 86, 126, 221	Structural Integrity intact. No action needed	
58	4132	2070-0033	2070-0034	OAK AV	Fracture 230	Structural Integrity intact. No action needed	
59	4131	2070-0042	2070-0043	ENCINITA AV	Cracks 161, 194	Structural Integrity intact. No action needed	
60	4121	2070-0057	2070-0058	ENCINITA AV	Cracks 202	Structural Integrity intact. No action needed	
61	4131	2070-0062	2070-0063	ENCINITA AV	Fracture	Structural Integrity intact. No action needed	
62	4131	2070-0066	2070-0067	ENCINITA AV	Cracks 89, 95, 101	Structural Integrity intact. No action needed	
63	4122	2070-0069	2070-0070	GARIBALDI AV	Cracks/Fractures 17, 20, 54	Structural Integrity intact. No action needed	
64	4234	2070-0070	2070-0071	GARIBALDI AV	Cracks 9, 21, 124, 150	Structural Integrity intact. No action needed	
65	5142	2070-0081	2070-0080	OAK AV	Broken 32, Cracks/Fractures 65, 177	Structural Integrity intact. No action needed	
66	4234	2070-0087	2070-0089	GARIBALDI AV	Cracks/Fractures 40, 100, 112, 167, 225	Structural Integrity intact. No action needed	
67	4131	2070-0090	2070-0104	GARIBALDI AV	Cracks 95, 101, 197	Structural Integrity intact. No action needed	
68	4231	2070-0096	2071-0045	ALLEY	Cracks/Fractures 2, 151, 235	Structural Integrity intact. No action needed	
69	4131	2070-0100	2070-0098	TEMPLE CITY BLVD	Fractures 258, 260	Structural Integrity intact. No action needed	
70	4237	2070-0104	2070-0103	GARIBALDI AV	Fracture 277	Structural Integrity intact. No action needed	
71	4134	2070-0117	2070-0116	OAK AV	Cracks/Fractures 163, 226, 262	Structural Integrity intact. No action needed	
72	4137	2070-0120	2070-0118	OAK AV	Cracks/Fractures 36, 48, 84, 181	Structural Integrity intact. No action needed	
73	4132	2070-0123	2070-0122	OAK AVE	Cracks 12, 93, 118	Structural Integrity intact. No action needed	
74	4133	2070-0124	2070-0123	OAK AVE	Cracks/Fractures 123, 208, 223	Structural Integrity intact. No action needed	
75	4136	2070-0125	2070-0124	OAK AV	Cracks/Fractures 146, 190, 200	Structural Integrity intact. No action needed	
76	4137	2070-0126	2070-0125	OAK AV	Cracks 97, 100, 227	Structural Integrity intact. No action needed	
77	4136	2070-0127	2070-0123	OLEMA ST	Cracks 116, 146, 161	Structural Integrity intact. No action needed	
78	4138	2070-0130	2070-0129	OLEMA ST	Cracks/Fractures 48, 86, 182, 228	Structural Integrity intact. No action needed	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF TEMPLE CITY (YOTV11128)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
79	4131	2070-0132	2070-0133	TRELAWNEY AV	Fractures 13, 144	Structural Integrity intact. No action needed	
80	4333	2070-0133	2070-0134	TRELAWNEY AV	Cracks/Fractures 64, 131, 164, 172, 206	Structural Integrity intact. No action needed	
81	4332	2070-0135	2070-0134	TRELAWNEY AV	Cracks/Fractures 70, 176, 262	Structural Integrity intact. No action needed	
82	4121	2070-0137	2070-0147	LONGDEN AV	Cracks/Fracture 133, 154	Structural Integrity intact. No action needed	
83	5142	2070-0139	2070-0138	LONGDEN AV	Cracks/Fractures 73, 109, 187, 217	Structural Integrity intact. No action needed	
84	4133	2070-0140A	2070-0139	LONGDEN AV	Cracks/Fracture 21	Structural Integrity intact. No action needed	
85	4100	2070-0140A	2070-0139	LONGDEN AV	Cracks 31, 43, 53	Structural Integrity intact. No action needed	
86	5134	2070-0152	2070-0153	GARIBALDI AV	Cracks/Fractures 119, 132	Structural Integrity intact. No action needed	
87	513G	2070-0174	2071-0229	KAUFFMAN AV	Broken 164, multiple cracks	Structural Integrity intact. No action needed	
88	4134	2070-0178	2070-0170	WOODRUFF AV	Cracks 150, 153, 184, 214	Structural Integrity intact. No action needed	
89	423A	2070-0179	2070-0177	KAUFFMAN AV.	Cracks/ Fractures 103, 112, 127, 155, 305	Structural Integrity intact. No action needed	
90	4134	2070-0182	2070-0183	ALLEY	Cracks 22, 88, 114, 189	Structural Integrity intact. No action needed	
91	413C	2070-0183	2070-0174	ALLEY	Cracks/Broken 49, 131	Structural Integrity intact. No action needed	
92	4332	2070-0184	2070-0183	ALLEY	Cracks/Fractures 13, 135, 183	Structural Integrity intact. No action needed	
93	4133	2070-0187	2070-0186	CAMELLIA AV.	Cracks/Fractures 17, 105, 205	Structural Integrity intact. No action needed	
94	4334	2070-0191	2070-0192	ALLEY	Cracks/Fractures 0, 63, 105, 159, 180	Lining: MH to MH	194
95	4234	2070-0192	2070-0184	ALLEY	Fractures 10, 130, 199	Structural Integrity intact. No action needed	
96	4100	2070-0195	2070-0194	CAMELLIA AV	Fracture 5	Structural Integrity intact. No action needed	
97	4137	2070-0196	2070-0195	CAMELLIA AV	Cracks/Fractures 11, 41, 68, 92, 143, 203	Structural Integrity intact. No action needed	
98	5143	2070-0201	2070-0210	LONGDEN AV	Broken 42, Cracks /Fractures 165, 222	Lining: MH to MH	331
99	4233	2070-0202	2070-0201	LONGDEN AV	Cracks/Fractures 32, 71, 107	Structural Integrity intact. No action needed	
100	5144	2070-0204	2070-0203	LONGDEN AV	Cracks 19, 31, 34	Structural Integrity intact. No action needed	
101	4132	2070-0216	2070-0217	GOLDEN WEST AV	Cracks/Fractures 163, 211	Structural Integrity intact. No action needed	
102	4138	2070-0219	2070-0218	GOLDEN WEST AV	Cracks 32, 63, 83, 122, 257	Structural Integrity intact. No action needed	
103	4131	2070-0221	2070-0222	LONGDEN AV	Cracks 6, 112	Structural Integrity intact. No action needed	
104	4532	2070-0235	2070-0236	ROWLAND AV	Cracks/Fractures 48, 81, 218	Structural Integrity intact. No action needed	
105	4132	2070-0236	2070-0237	ROWLAND AV	Fractures 3, 31, 53, 66, 136, 183, 204	Structural Integrity intact. No action needed	
106	4631	2070-0237	2070-CITY	LAS TUNAS DR	Cracks/Fractures 31, 53, 66, 183, 204	Structural Integrity intact. No action needed	
107	4735	2070-0240	2070-CITY	LAS TUNAS DR	Cracks/Fractures 12, 99, 145, 296	Structural Integrity intact. No action needed	
108	4400	2070-0241	2070-0237	LAS TUNAS DR	Cracks/Fracture 14, 73, 207	Structural Integrity intact. No action needed	
109	4136	2070-0242	2070-0241	LAS TUNAS DR	Cracks 67, 126, 186, 205	Structural Integrity intact. No action needed	
110	4533	2070-0243	2070-0240	LAS TUNAS DR	Cracks/Fractures 144, 227, 270, 325	Structural Integrity intact. No action needed	
111	4437	2070-0244	2070-0243	LAS TUNAS DR	Cracks/Fractures 175, 90, 181	Structural Integrity intact. No action needed	
112	4238	2070-0282	2070-0280	CLOVERLY AV	Cracks 31, 91, 120, 163	Structural Integrity intact. No action needed	
113	4A00	2070-0294	2070-0300	VAL ST	Cracks/Fractures 109, 139, 151, 252, 292	Lining: MH to MH	351
114	4231	2070-0295	2070-0145	CRAIGLEE ST	Cracks 26, 38, 56	Structural Integrity intact. No action needed	
115	4700	2070-0299	2070-0295	CRAIGLEE ST	Cracks/Fractures 14, 89, 131, 214	Structural Integrity intact. No action needed	
116	4333	2070-0300	2070-0299	BARELA AV	Cracks/Fractures 5, 44, 53, 306	Structural Integrity intact. No action needed	
117	4100	2070-0303	2070-0302	BARELA AV	Fracture 11	Structural Integrity intact. No action needed	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF TEMPLE CITY (VOTV1128)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
118	4200	2070-0305	2070-0304	WOOLLEY ST	Broken 75 Fracture 84	Structural Integrity intact. No action needed	
119	4135	2070-0308	2070-0309	VAL ST	Cracks 158, 164, 197, 289	Structural Integrity intact. No action needed	
120	4235	2070-0309	2070-0310	VAL ST	Cracks 57, 125, 134, 203, 321	Structural Integrity intact. No action needed	
121	4131	2070-0312	2070-0311	GRAIGLEE ST	Cracks/Fractures 47, 141	Structural Integrity intact. No action needed	
122	4131	2070-0316	2070-CITY	ESTRELA AV	Cracks 310, 337	Structural Integrity intact. No action needed	
123	4131	2070-0322	2070-0310	GOLDEN WEST AV	Crack 284	Structural Integrity intact. No action needed	
124	4535	2070-0323	2070-0322	GOLDEN WEST AV	Cracks/Fractures 11, 51	Structural Integrity intact. No action needed	
125	4232	2070-0397	2070-0379	LEMON AV	Cracks 2, 56, 180	Structural Integrity intact. No action needed	
126	4131	2071-0024	2071-0026	ALESSANDRO AV	Cracks 6, 250	Structural Integrity intact. No action needed	
127	4133	2071-0029	2071-0028	RIO HONDO AV	Cracks/Fractures 57, 148, 326	Structural Integrity intact. No action needed	
128	5141	2071-0040	2071-0041	EASEMENT	Fractures 58, Broken 123	Structural Integrity intact. No action needed	
129	5100	2071-0040A	2071-0041	EASEMENT	Broken 108	Lining: MH to MH	112
130	4134	2071-0041	2071-0042	EASEMENT	Fractures 1, 42, 60, 137	Structural Integrity intact. No action needed	
131	4134	2071-0047	2071-0902	OAK AV	Cracks/Fractures 19, 49, 53, 123, 153	Structural Integrity intact. No action needed	
132	4131	2071-0048	2071-0049	OAK AV	Crack 13	Structural Integrity intact. No action needed	
133	4131	2071-0049	2071-0050	OAK AV	Fractures 104, 253	Structural Integrity intact. No action needed	
134	5131	2071-0057	2071-0106	EASEMENT	Cracks 44, 72	Structural Integrity intact. No action needed	
135	5121	2071-0058	2071-0059	ALLEY	Crack 217	Structural Integrity intact. No action needed	
136	4232	2071-0059	2071-0060	ALLEY	Cracks/Fractures 150, 89, 174, 205	Structural Integrity intact. No action needed	
137	4100	2071-0062	2071-0063	ALLEY	Fracture 39	Structural Integrity intact. No action needed	
138	4131	2071-0063	2071-0243	WORKMAN AV	Cracks/Fractures 15, 108	Structural Integrity intact. No action needed	
139	4131	2071-0082	2071-0081	WEDGEWOOD ST	Cracks 56, 129	Structural Integrity intact. No action needed	
140	433B	2071-0087	2071-0088	ENCINITA AV	Cracks/Fractures 150, 175, 193, 202, 229	Lining: MH to MH	290
141	4100	2071-0090	2071-0089	LOMA AV	Fracture 5	Structural Integrity intact. No action needed	
142	4134	2071-0091	2071-0090	LOMA AV	Cracks 62, 113, 194	Structural Integrity intact. No action needed	
143	4133	2071-0101	2071-0103	BROADWAY	Cracks 145, 190	Structural Integrity intact. No action needed	
144	4200	2071-0102	2071-0101	HILTON AV	Cracks 10, 159	Structural Integrity intact. No action needed	
145	4231	2071-0104	2071-0105	BROADWAY	Cracks 5, 242, 272	Structural Integrity intact. No action needed	
146	4421	2071-0108	2071-0110	CLOVERLY AV	Fractures 23, 180	Structural Integrity intact. No action needed	
147	4431	2071-0110	2071-0111	CLOVERLY AV	Cracks/Fractures 46, 84, 132	Structural Integrity intact. No action needed	
148	4136	2071-0113	2071-0112	DAINES DR	Cracks 89, 134, 174, 239, 287	Structural Integrity intact. No action needed	
149	4134	2071-0118	2071-0130	OLIVE ST	Cracks/Fractures 72, 99, 303 Hole 224	Structural Integrity intact. No action needed	
150	4131	2071-0120	2071-0119	OLIVE ST	Crack 70	Structural Integrity intact. No action needed	
151	4132	2071-0122	2071-0121	OLIVE ST	Cracks/Fractures 85, 91, 145, 230	Structural Integrity intact. No action needed	
152	4131	2071-0129	2071-0128	OLIVE ST	Cracks 3, 111	Structural Integrity intact. No action needed	
153	4136	2071-0130	2071-0319	OLIVE ST	Cracks 104, 190, 258	Structural Integrity intact. No action needed	
154	5132	2071-0133	2071-0134	CLOVERLY AV	Crack/Fracture 303	Lining: MH to MH	350
155	5100	2071-0150	2071-0149	BLACKLEY ST	Broken 193	Point Repair (sleeve)	
156	5100	2071-0153	2071-0152	ENCINITA AV	Broken 212	Structural Integrity intact. No action needed	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF TEMPLE CITY (NOTV1128)

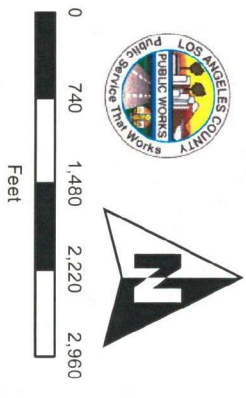
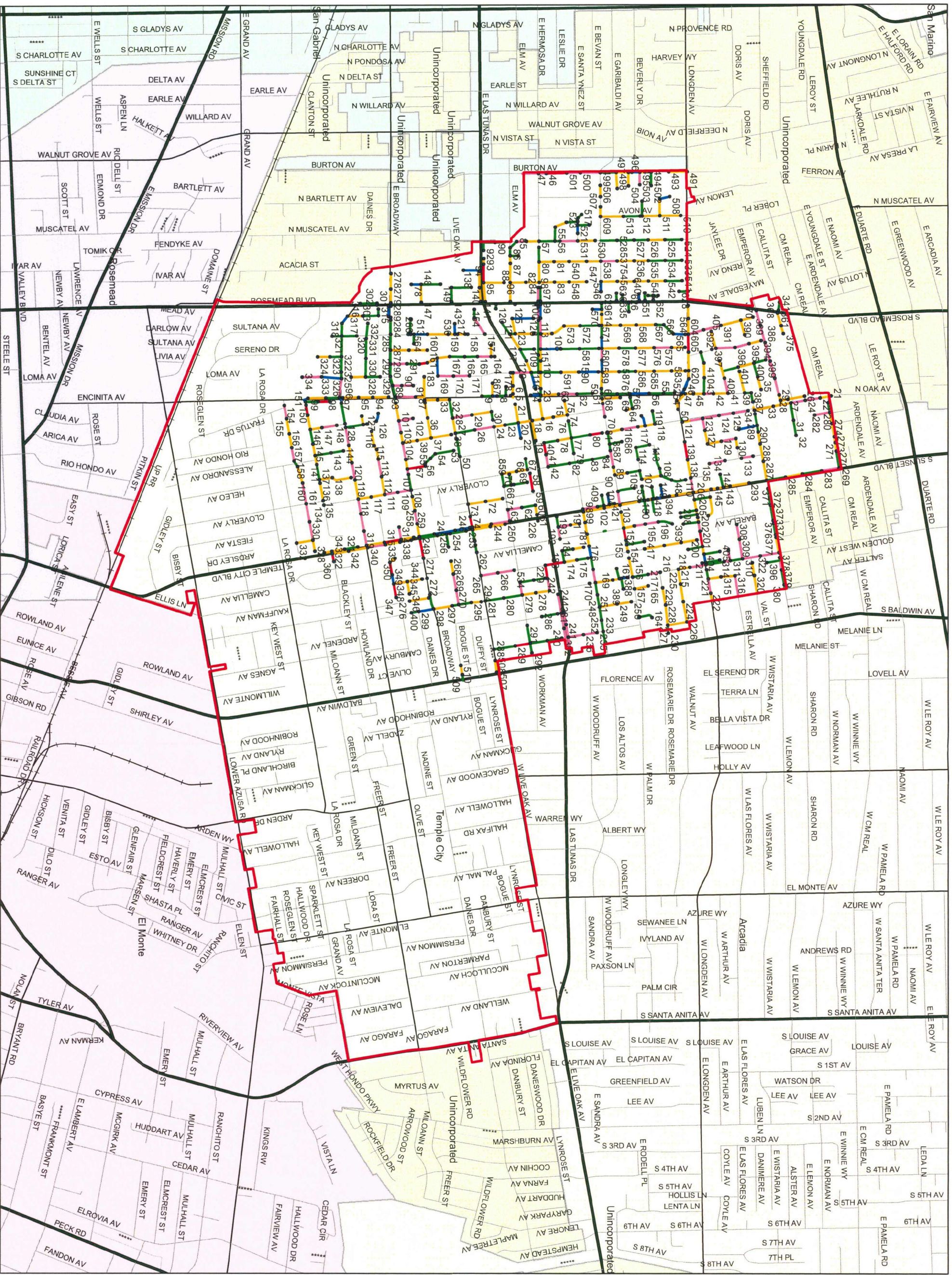
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
157	4132	2071-0154	2071-0155	PENTLAND ST	Cracks/Fractures 6, 40, 226	Structural Integrity intact. No action needed	
158	4200	2071-0157	2071-0158	PENTLAND ST	Fractures 3, 88	Structural Integrity intact. No action needed	
159	4132	2071-0160	2071-0161	PENTLAND ST	Cracks/Fractures 196, 262	Structural Integrity intact. No action needed	
160	5122	2071-0229	2071-0230	ALLEY	Broken 7, Crack 164	Structural Integrity intact. No action needed	
161	4133	2071-0230	2071-0277	ALLEY	Cracks/Fractures 3, 85, 123, 210	Structural Integrity intact. No action needed	
162	5141	2071-0231	2071-0232	WORKMAN AV	Fractures 54	Structural Integrity intact. No action needed	
163	423A	2071-0232	2071-0235	WORKMAN AV	Cracks/Fractures 2, 31, 61, 98, 144	Lining: MH to MH	215
164	4131	2071-0233	2071-0232	ALLEY	Cracks/Fractures 211, 213	Structural Integrity intact. No action needed	
165	4131	2071-0238	2071-0237	ALLEY	Cracks/Fractures 2, 48	Lining: MH to MH	170
166	4134	2071-0240	2071-0279	WORKMAN AV	Cracks 50, 99, 102, 178	Structural Integrity intact. No action needed	
167	4132	2071-0243	2071-0244	TEMPLE CITY BV	Cracks/Fractures 207, 249, 315	Structural Integrity intact. No action needed	
168	5141	2071-0257	2071-0271	BROADWAY	Broken 309	Structural Integrity intact. No action needed	
169	4131	2071-0259	2071-0258	BROADWAY	Cracks 152, 177	Structural Integrity intact. No action needed	
170	4131	2071-0266	2071-0265	KAUFFMAN AV	Cracks/Fractures 71, 256	Structural Integrity intact. No action needed	
171	423B	2071-0269	2071-0270	WEDGEWOOD ST	Cracks/ Fractures 28, 78, 95, 117, 159	Structural Integrity intact. No action needed	
172	4131	2071-0270	2071-0296	WEDGEWOOD ST	Cracks/Fractures 41, 71	Structural Integrity intact. No action needed	
173	5100	2071-0290	2071-0289	ROWLAND AV	Broken 270	Structural Integrity intact. No action needed	
174	5133	2071-0313	2071-0315	TEMPLE CITY BV	Cracks/Fractures 80, 200, 259	Structural Integrity intact. No action needed	
175	4331	2071-0314	2071-0313	DAINES DR	Fractures 129, 161, 164	Structural Integrity intact. No action needed	
176	4232	2071-0316	2071-0315	NADINE ST	Cracks/Fractures 21, 37, 46, 61 defect lateral 66	Structural Integrity intact. No action needed	
177	4133	2071-0317	2071-0316	NADINE ST	Cracks 2, 4, 159, 178	Structural Integrity intact. No action needed	
178	4200	2071-0318	2071-0340	TEMPLE CITY BV	Cracks/Fractures 6, 22	Structural Integrity intact. No action needed	
179	4132	2071-0319	2071-0318	OLIVE ST	Cracks 25, 162, 213	Structural Integrity intact. No action needed	
180	4131	2071-0326	2071-0327	BLACKLEY ST	Cracks 187, 264	Structural Integrity intact. No action needed	
181	4133	2071-0330	2071-0329	PENTLAND ST	Cracks/Fractures 38, 62, 125, 167	Structural Integrity intact. No action needed	
182	413B	2071-0339	2071-0340	TEMPLE CITY BV	Cracks/Fractures 18, 36, 75, 105, 180, 230	Structural Integrity intact. No action needed	
183	5141	2071-0343	2071-0360	BLACKLEY ST	Cracks/Fractures 48, 87, 96, 102	Structural Integrity intact. No action needed	
184	5242	2071-0350	2071-0349	NADINE ST	Broken 41, multiple fractures	Lining MH to MH	211
185	5142	2071-0352	2071-0353	OLIVE ST	Cracks 21, 77, 98	Structural Integrity intact. No action needed	
186	4232	2071-0357	2071-0356	OLIVE ST	Cracks/Fractures 157, 260, 317	Structural Integrity intact. No action needed	
187	4233	2071-0534	2071-0266	KAUFFMAN AV	Cracks/Fractures 229, 252	Structural Integrity intact. No action needed	

CCTV PROJECT

YOTV112B

TEMPLE CITY

**QUICK
STRUCTURAL
RATING
(QSR)**



Legend

Sanitary Sewer QMR

JUR, SI_QSR

1: MINOR

2: MINOR TO MODERATE

4: SIGNIFICANT

5: MOST SIGNIFICANT

SMD Manholes

☐ Other

Standard

△ DROP

 Shallow

 Siphon

P SMD Pump

WTP
SMD Treatment

Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

SMD Operations Maps

GEN_PROJID

 City Boundary

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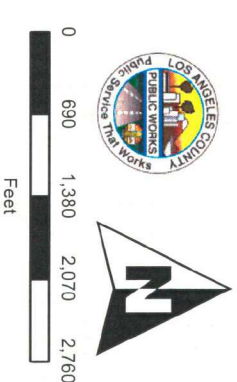
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APRIL 2016

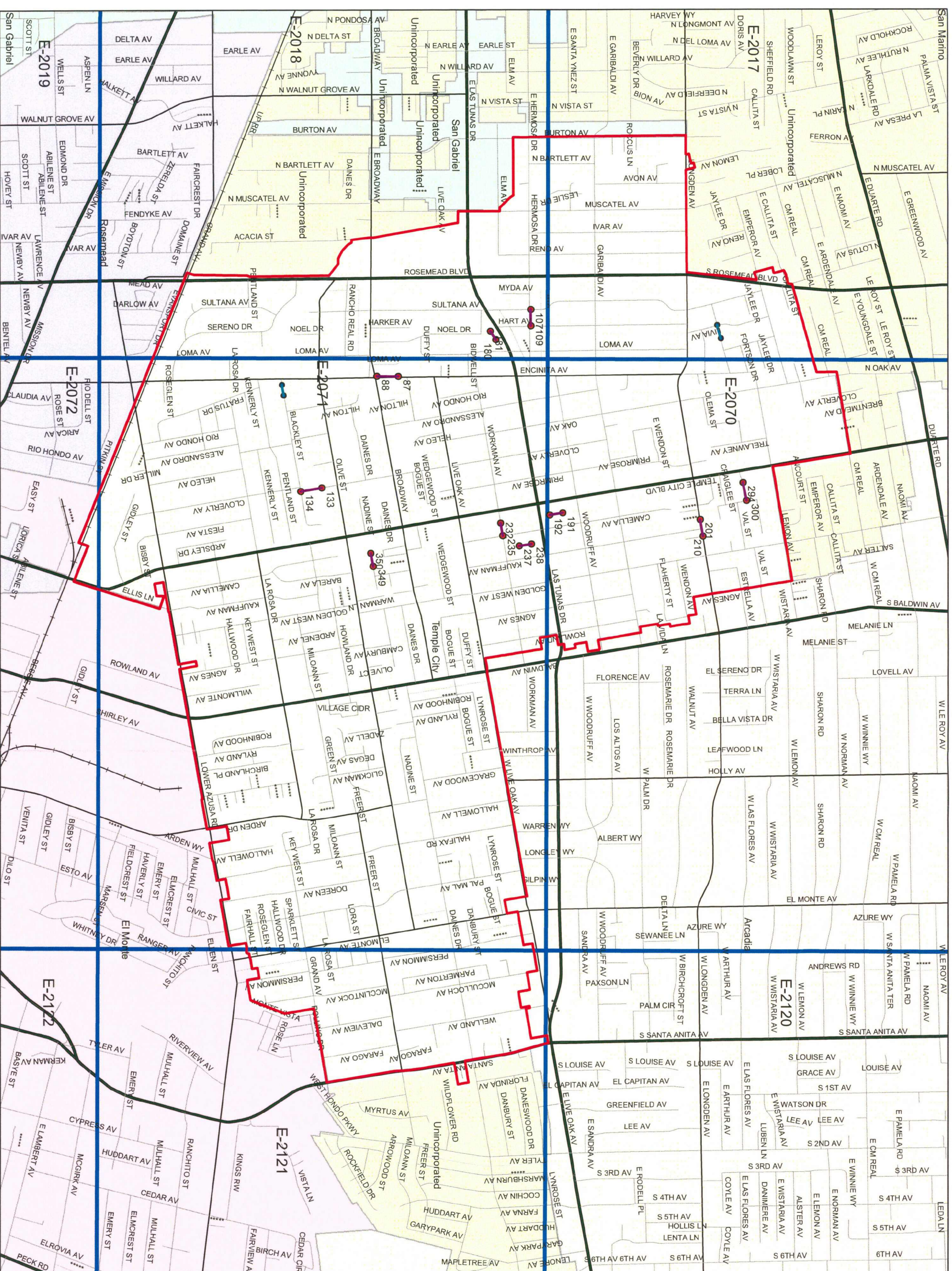
ADP = 7.16

ENCLOSURE 3
CCTV PROJECT
Y0TV1112B

TEMPLE CITY
LINING AND
POINT REPAIR



- Legend**
- Point Repair
 - Lining
 - 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
 - GEN. PROJID**
 - City Boundary



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APRIL 2016