



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
<http://dpw.lacounty.gov>

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

May 8, 2017

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Mr. Krishna Patel, Director of Public Works
City of San Dimas
245 East Bonita Avenue
San Dimas, CA 91773-3002

bc: Programs Development (Manning),
RS, **FILE (Project Y0TV1112B),**
SPINDLE

Attention Ms. Shari Garwick

Dear Mr. Patel:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT – CITY OF SAN DIMAS

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's sewer system.

The enclosed Condition Assessment Report provides details regarding the maintenance and structural condition of your 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 schedule. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair or replacement within the next 24 months as part of the 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,

MARK PESTRELLA
Director of Public Works

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

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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:	07/17/13	CONTACT NO:	(626) 300-4686
SUP. DISTRICT(S):	5	MAP PAGE(S):	2343, 2385, 2386, 2387
Report By:	Hanna Kebede	Report Date:	5/1/17

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the condition assessment of 439,331 feet or 86.5 percent of the City's 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, Infiltration 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 507,726 feet of the City's sewer system. Previous Condition Assessment Reports dated April 9, 2009, and October 27, 2010, 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 Duarte, Industry, La Cañada Flintridge, Temple City, and Bradbury. 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 79.7 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 20.3 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	213,883	48.7	1,087
2: Minor to Moderate	136,380	31.0	576
3: Moderate	48,134	11.0	196
4: Significant	35,128	8.0	147
5: Most Significant	5,806	1.3	23
TOTAL	439,331	100.0	2,029

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 99.1 percent of the system televised has adequate capacity. Approximately 0.9 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 approximately 0.8 percent of the system included in this project has infiltration within the pipe segments. Infiltration is the ingress of groundwater into the sewers through a defect or 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 method is proposed, the remediation will be scheduled 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 89 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 11 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 need for action. For items 1 through 185 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	282,055	64.2	1,384
2: Minor to Moderate	48,288	11.0	193
3: Moderate	60,905	13.8	267
4: Significant	32,847	7.5	127
5: Most Significant	15,236	3.5	58
TOTAL	439,331	100.0	2,029

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	Y0TV0506D	55,122	10.9	COMPLETED
2008-09	Y0TV0809C	13,273	2.6	COMPLETED
2011-12	Y0TV1112B	439,331	86.5	COMPLETED
TOTAL		507,726	100.0	

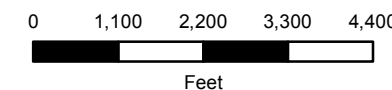
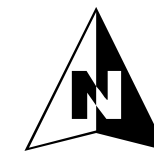
ENCLOSURE 1:

Project Overview Map

OVERVIEW MAP

CCTV PROJECT YOTV112B

CITY OF SAN DIMAS

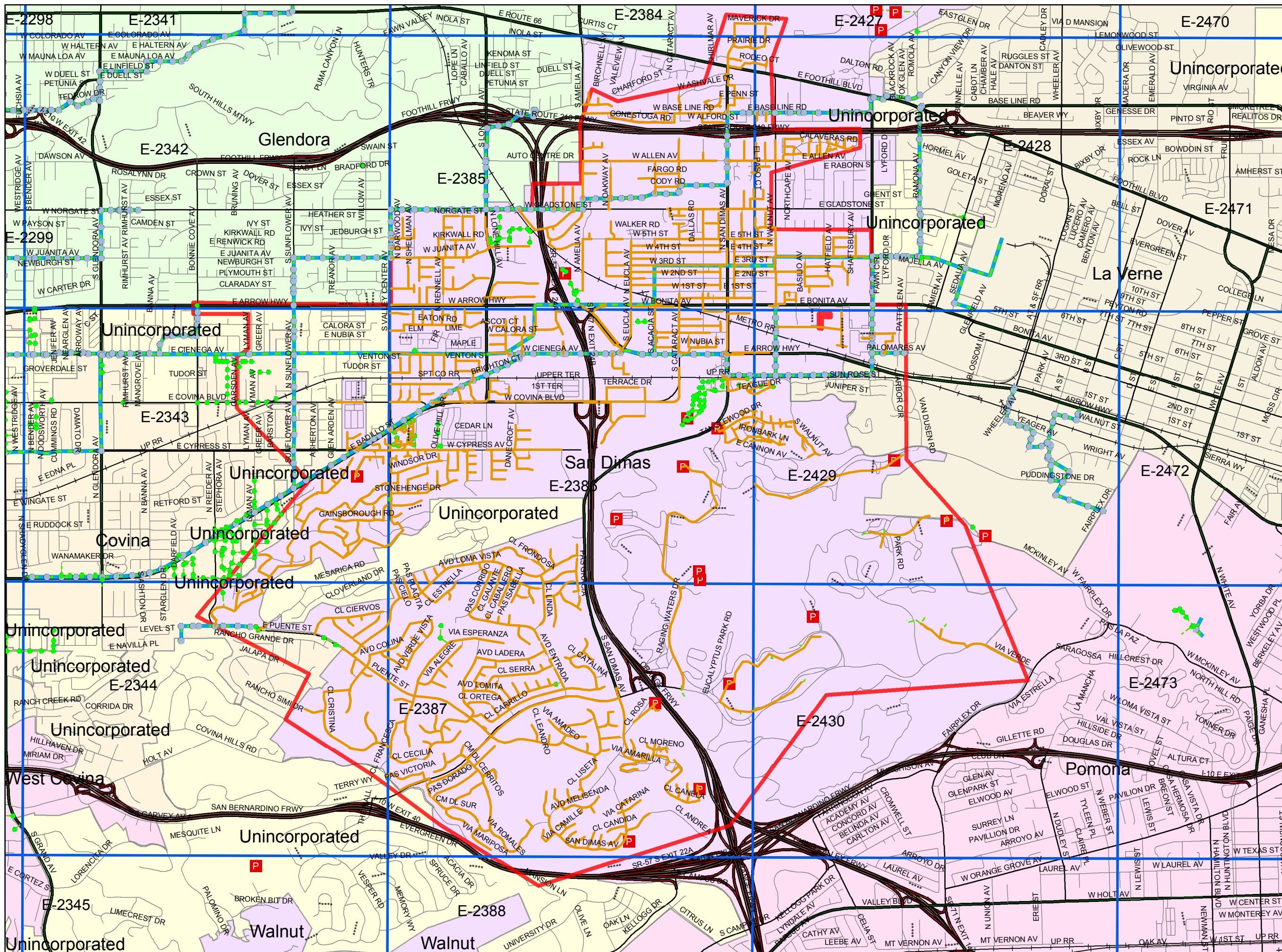


Legend

- SMD Sanitary Sewers
- 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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ENCLOSURE 2:

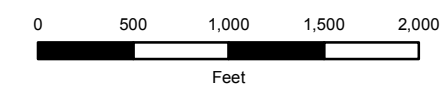
- Quick Maintenance Rating Map
- High Water Levels List and Map
- Infiltration List and Map
- Sample Lateral Notice Letter

ENCLOSURE 2

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK MAINTENANCE RATING (QMR)



Legend

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

SMD Manholes

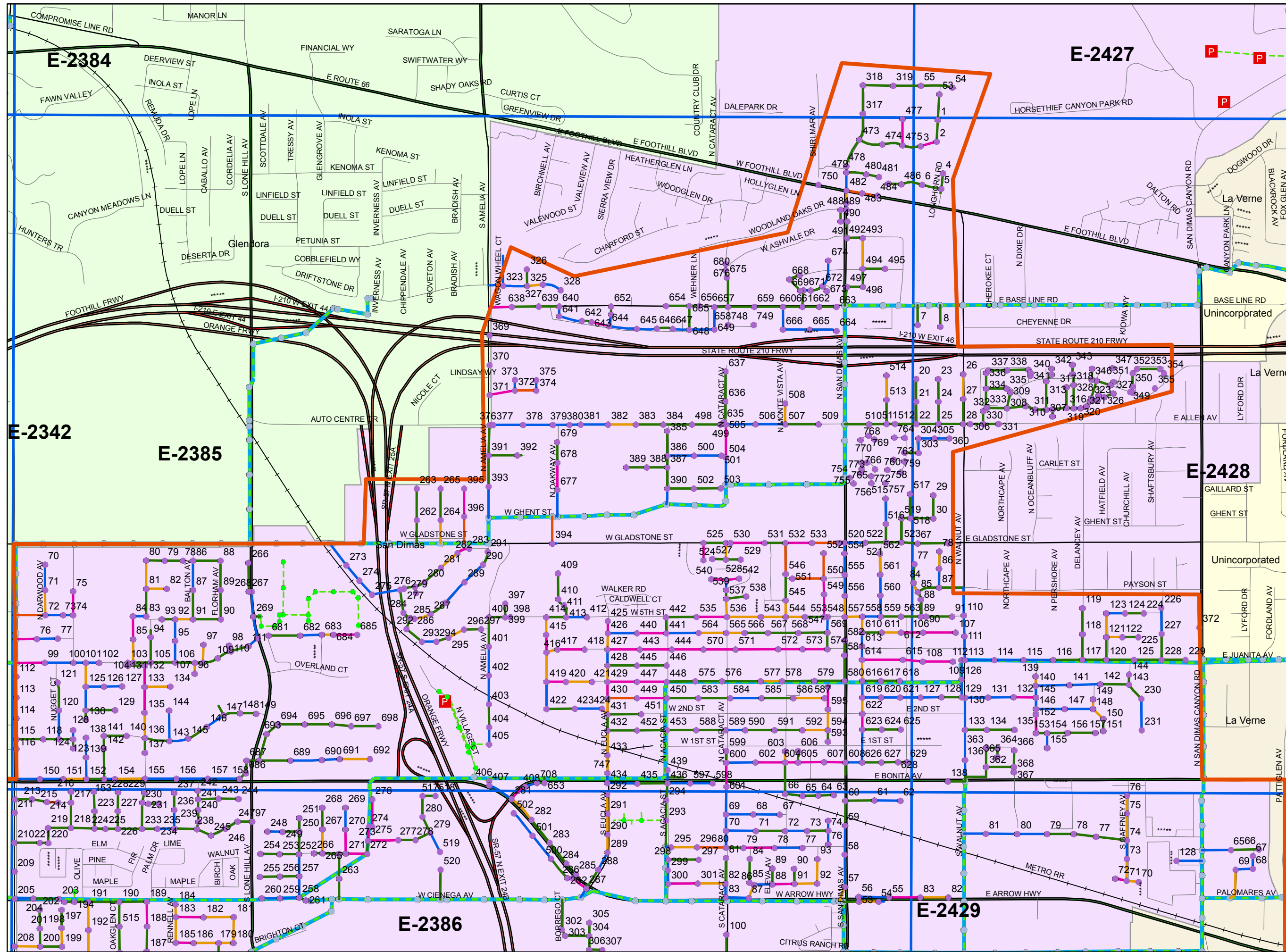
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV112B

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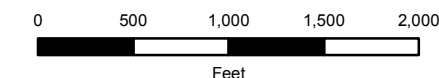
ENCLOSURE 2

CCTV PROJECT

Y0TV112B

CITY OF SAN DIMAS

**QUICK
MAINTENANCE
RATING
(QMR)**



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

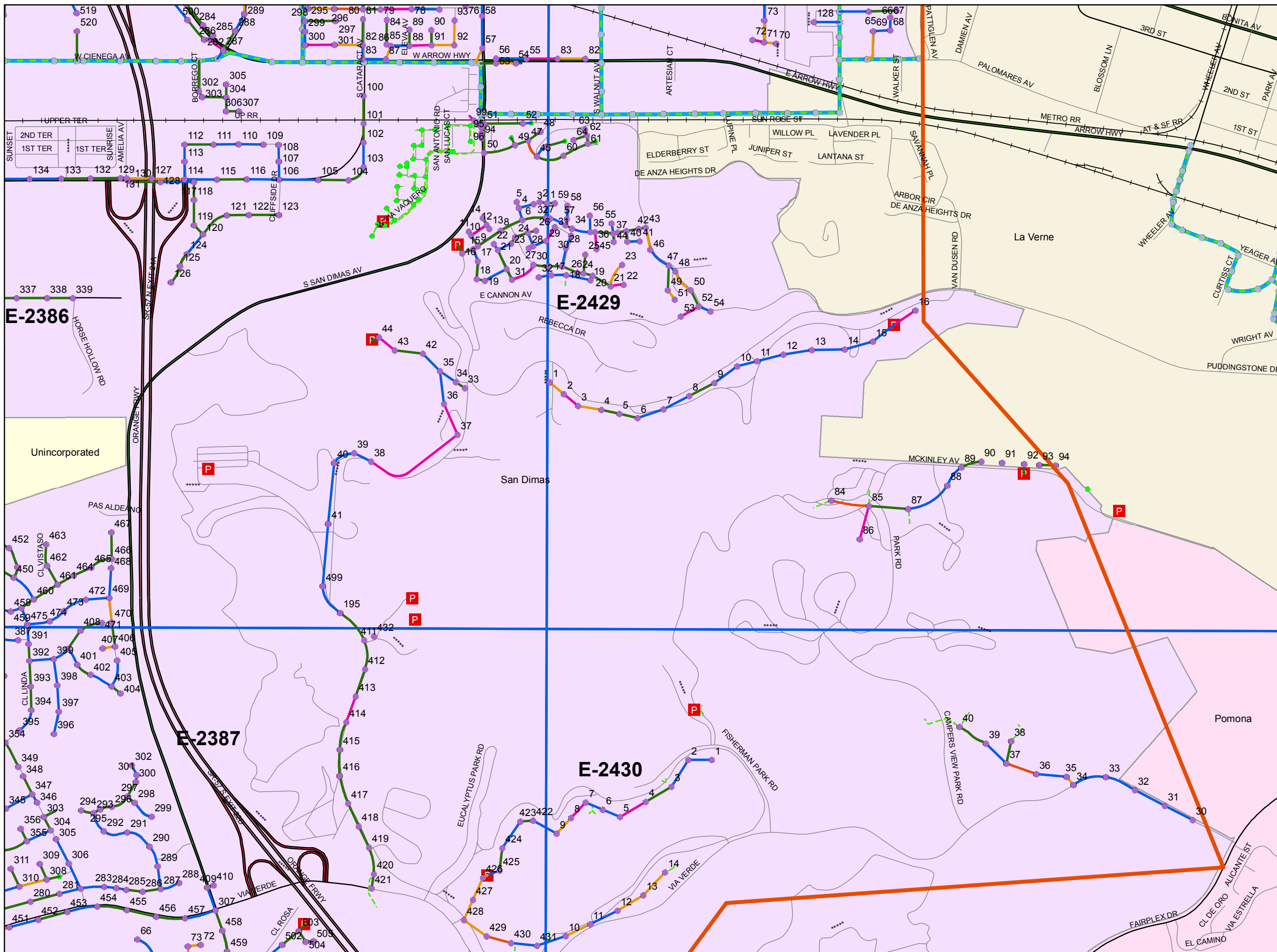
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
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Maintained by Others:

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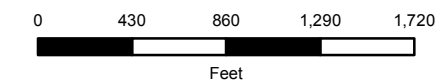


ENCLOSURE 2

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

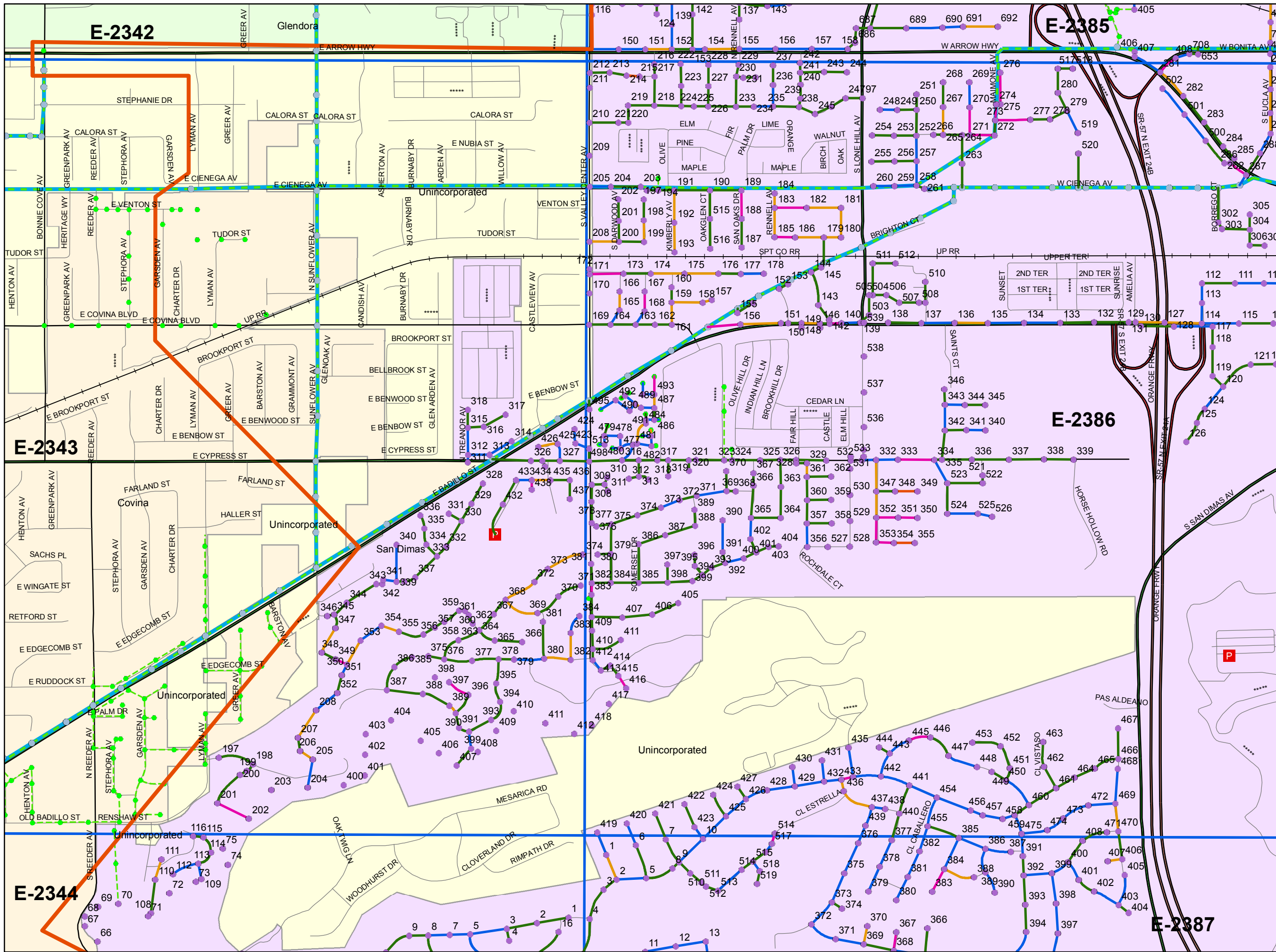
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
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- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV112B

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E-2342

E-2385

E-2386

E-2343

E-2344

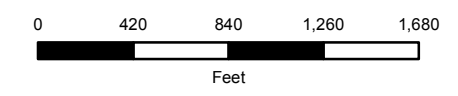
E-2387

ENCLOSURE 2

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

- QMR**
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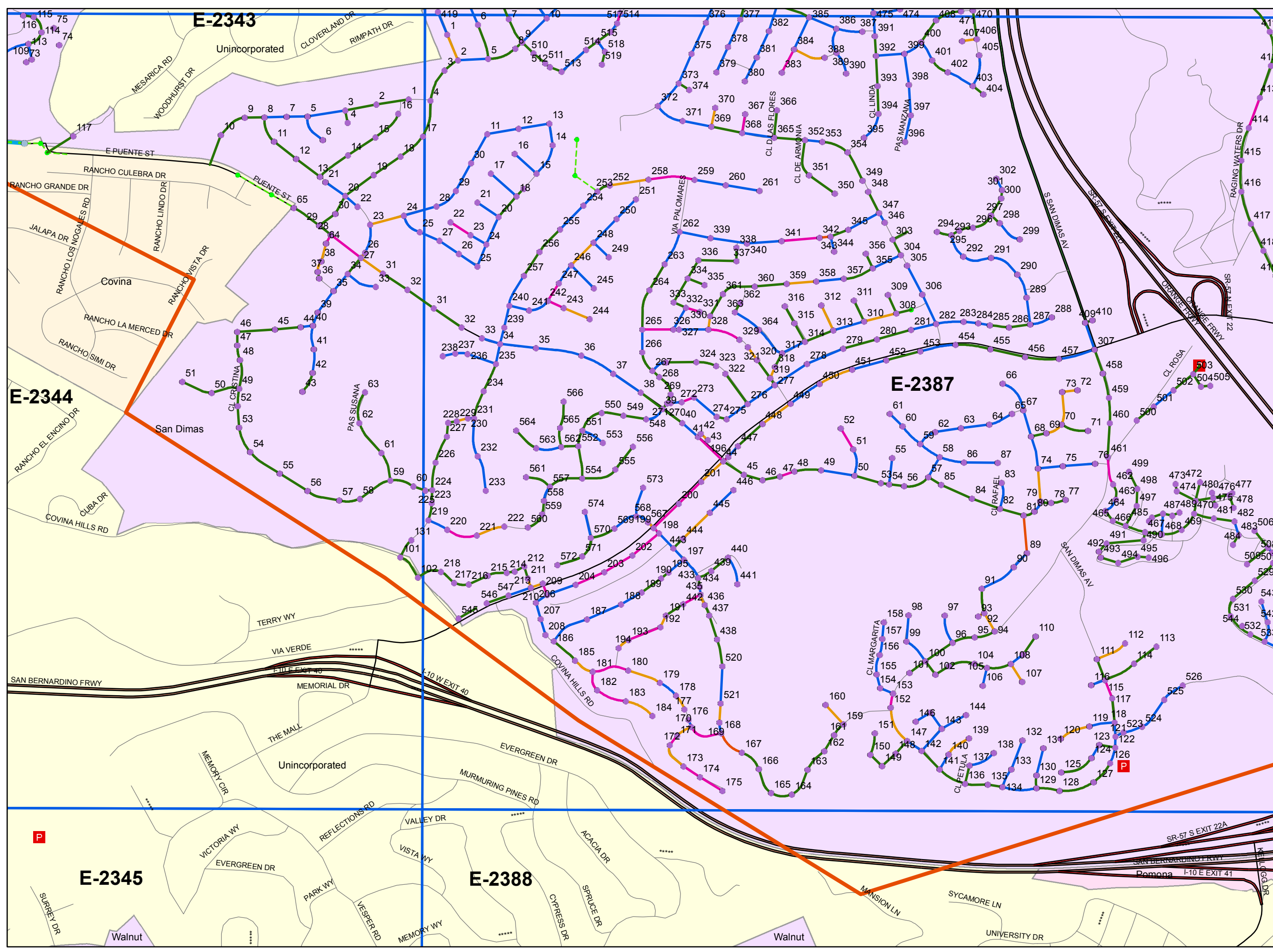
SMD Manholes

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

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September 2015



**ENCLOSURE 2
HIGH WATER LEVELS
CITY OF SAN DIMAS (Y0TV1112B)**

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN (DATE COMPLETED)
1	412C	2343-0438	2343-0434	GREENWICH RD	Water mark (50%)	No action needed.
2	3122	2385-0432	2385-0433	EUCLA AV	Sag in pipe (45%)	Hydrojet (02/04/15)
3	4100	2385-0477	2385-0475	RED BLUFF CT	Water mark (50%)	No action needed.
4	5241	2385-0483	2385-0482	FOOTHILL BV	Water mark (50%)	No action needed.
5	5242	2385-0484	2385-0483	FOOTHILL BV	Water mark (90%)	No action needed.
6	412J	2385-0600	2385-0601	CATARACT AV	Water mark (90%)	No action needed.
7	412F	2385-0622	2385-0623	ALLEY	Water mark (50%)	No action needed.
8	4100	2385-0638	2385-0322	BASE LINE RD	Water mark (50%), roots, grease	Hydrojet (02/03/15)
9	4100	2386-0030	2386-0031	SMOKEWOODLN	Camera underwater; debris in line	Hydrojet (02/24/15)
10	4100	2386-0099	2386-0098	SAN DIMAS AV	Water mark (60%)	No action needed.
11	412D	2386-0286	2386-0287	ARROW HWY	Water mark (60%)	No action needed.
12	4100	2386-0382	2386-0383	VALLEY CENTER AV	High water level (50%); debris	Hydrojet (02/18/15)
13	4124	2386-0434	2386-0433	AVENIDA LOMA VISTA	Camera underwater; debris in line	Hydrojet (02/24/15)
14	3123	2386-0437	2386-0436	VIA CANADA	High water level (50%)	Hydrojet (02/24/15)
15	4112	2387-0048	2387-0047	PUENTE ST	High water level (50%)	Hydrojet (05/14/15)
16	4221	2387-0414	2387-0413	PARK ROAD NO 1	Water mark (50%)	No action needed.
17	4100	2428-0002	2428-0003	PRAIRIE DR	Water mark (50%)	No action needed.
18	4200	2428-0153	2428-0152	BASILIO AV	Camera underwater; debris	Hydrojet (06/24/15)
19	412B	2429-0016	2429-PUMP	EASEMENT	Water mark (50%)	No action needed.
20	4100	2429-0072	2429-0071	HERA ST	Water mark (50%)	No action needed.
21	5241	2429-0084	2429-0085	MC KINLEY AV	Water mark (90%)	No action needed.

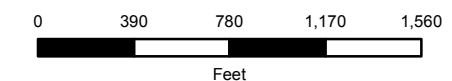
ENCLOSURE 2

CCTV PROJECT

Y0TV112B

CITY OF SAN DIMAS

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

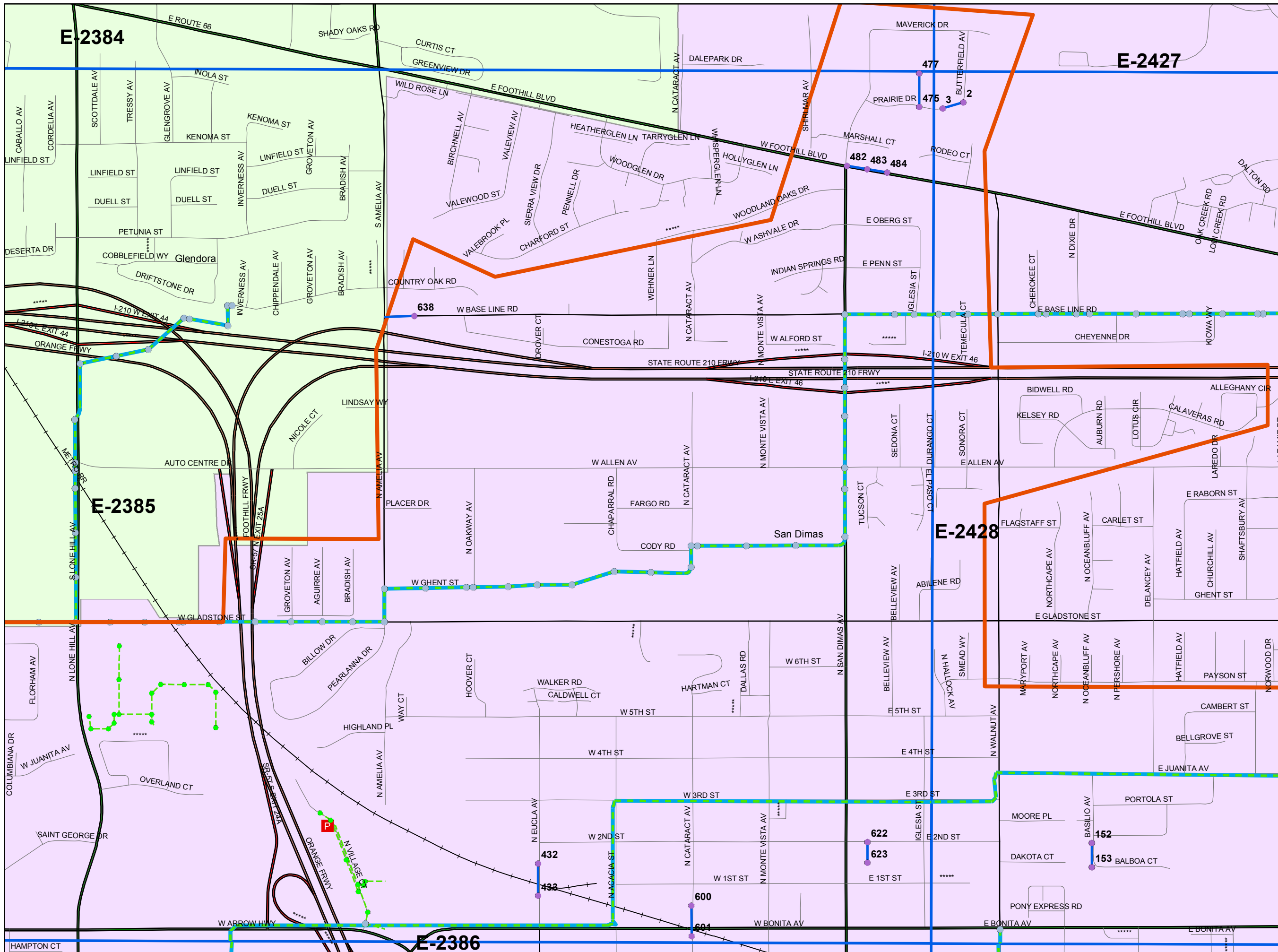
- ⊙ Other
- Standard
- ▲ DROP
- Shallow
- ◇ Trap
- ⊗ Siphon
- Ⓟ SMD Pump Stations
- Ⓜ SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- - - Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- ▭ Y0TV112B

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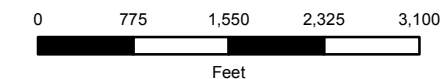
ENCLOSURE 2

CCTV PROJECT

Y0TV112B

CITY OF SAN DIMAS

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

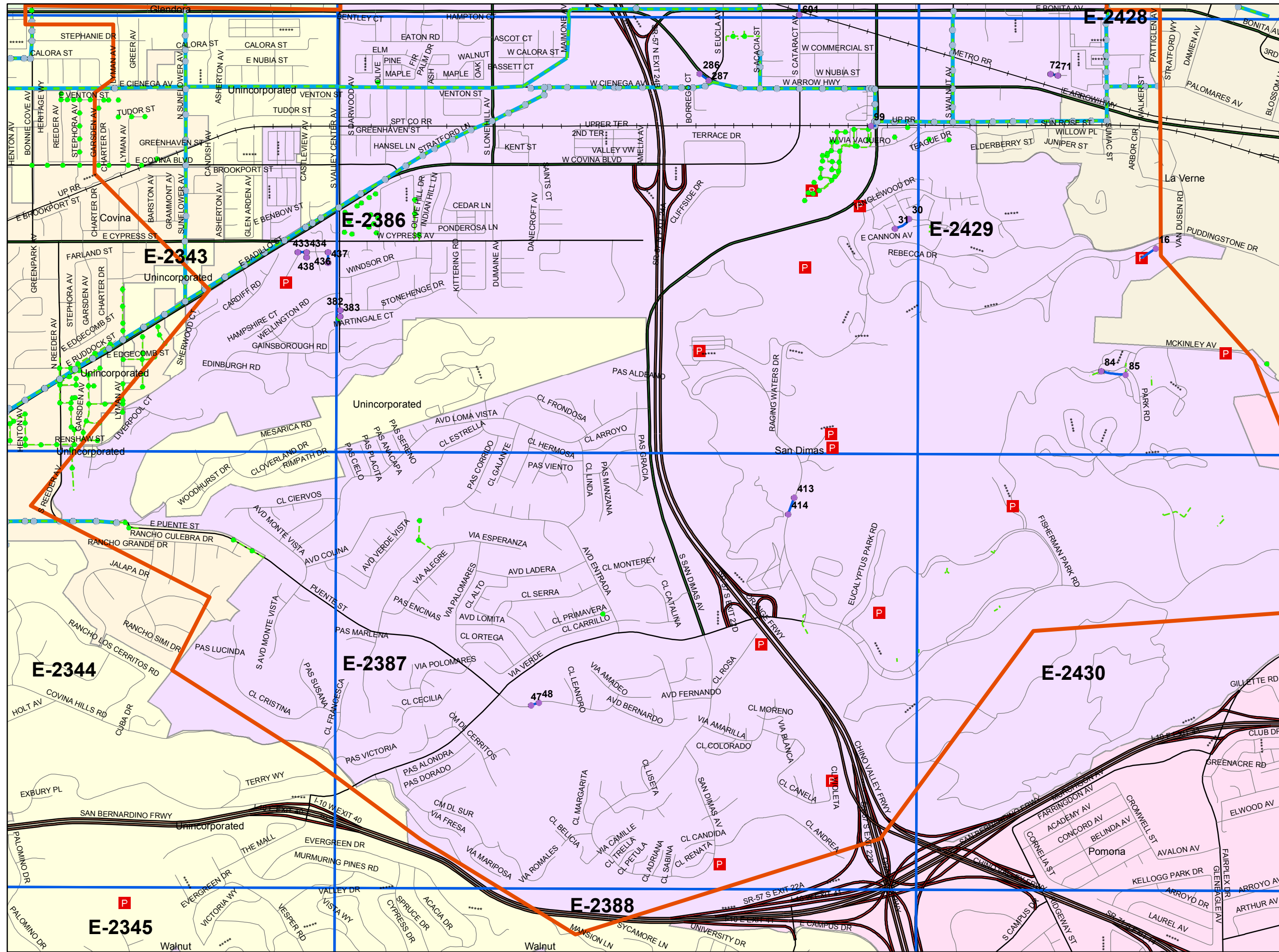
- Other
- Standard
- ▲ DROP
- Shallow
- ◇ Trap
- ⊗ Siphon
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- Ⓜ SMD Treatment Plants

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September 2015



**ENCLOSURE 2
INFILTRATION
CITY OF SAN DIMAS (Y0TV1112B)**

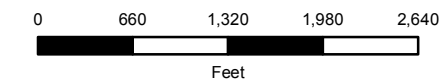
ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD
1	322V	2344-0024	2344-0023	AVENIDA COLINA	Infiltration (weeper): 226'	Infiltration is minimal. No action needed.
2	4132	2344-0027	2344-0028	PUENTE ST	Infiltration (dripper): 2'	Infiltration is minimal. No action needed.
3	312B	2385-0692	2385-0691	EASEMENT	Infiltration (weeper): 187'	Infiltration is minimal. No action needed.
4	4336	2387-0044	2387-0041	PUENTE ST	Infiltration (dripper):12',36',88', 95', 150', 180	Lining: MH to MH
5	4121	2387-0198	2387-0199	CAMINO DEL CERRITOS	Infiltration (weeper): 33'	Infiltration is minimal. No action needed.
6	4132	2387-0199	2387-0200	VIA VERDE AV	Infiltration (weeper): 18'	Infiltration is minimal. No action needed.
7	4332	2387-0200	2387-0201	VIA VERDE AV	Infiltration (dripper): 0', 74'	Infiltration is minimal. No action needed.
8	312L	2387-0201	2387-0044	VIA VERDE AV	Infiltration (dripper): 170', 183'	Infiltration is minimal. No action needed.
9	422G	2387-0203	2387-0202	EASEMENT	Infiltration (runner): 91'	Infiltration is minimal. No action needed.
10	4231	2387-0204	2387-0203	EASEMENT	Infiltration (weeper): 128'	Infiltration is minimal. No action needed.
11	422C	2387-0209	2387-0205	VIA VERDE AV	Infiltration (weeper): 83', 90'	Infiltration is minimal. No action needed.
12	412C	2387-0243	2387-0242	PASEO ENCINAS	Infiltration (runner): 121'	Grout Injection
13	412M	2387-0247	2387-0242	VIA ALEGRE	Infiltration (weeper): 203'	Infiltration is minimal. No action needed.
14	4100	2387-0367	2387-0368	CALLE ESPANA	Infiltration (runner): 84'	Infiltration is minimal. No action needed.
15	412L	2387-0202	2387-0198	EASEMENT	Infiltration (runner): 274'	Infiltration is minimal. No action needed.

ENCLOSURE 2

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

INFILTRATION

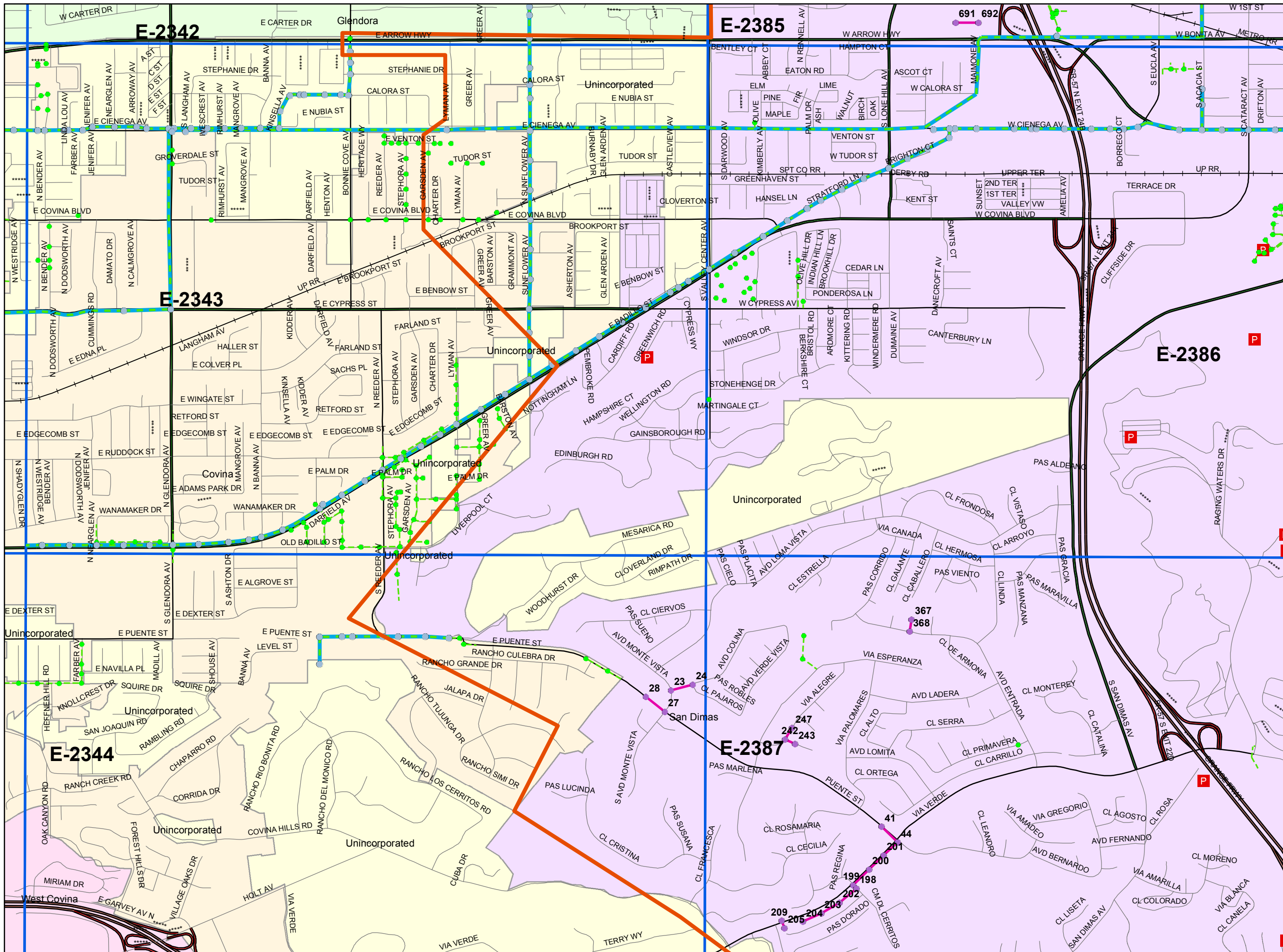


Legend

- INFILTRATION
- 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
- Y0TV112B

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September 2015





GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

{date}

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Dear:

SEWER LATERAL ROOT INTRUSION

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this courtesy notice informing you that the sewer lateral serving the property located at XXXX, requires maintenance per **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."

Using closed-circuit television (CCTV) camera technology, the District recently televised the sanitary sewer mainline and discovered the presence of 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 a sanitary sewer overflow upstream of your property.

Since the CCTV inspection, the sewer mainline has been cleaned and blockages from root growth have been removed; however, the root blockage in your sewer lateral is still present. 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 qualified plumbing contractor to service your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at XXXX to arrange for authorization to access the downstream manhole.

During your lateral service, your plumbing contractor must protect the District's sewer mainlines from dislodged roots and other debris by utilizing catcher baskets at the manhole downstream from your lateral connection.

After your lateral has been serviced, please notify the District office, XXXX, Sewer Maintenance Division, at XXXX.

For your reference, we have enclosed photos of your lateral connection showing the presence of the root blockage. Also enclosed are some literature on ways of minimizing sewer overflows and damage to your home.

Thank you for helping the Department of Public Works keep the public's sewers clean and in good working order.

Very truly yours,

GAIL FARBER
Director of Public Works

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

XX:

Enc.

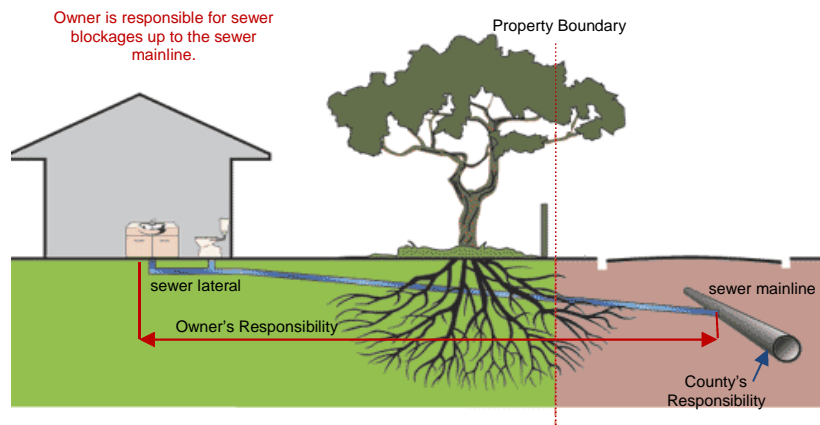
XXXX
Roots at Lateral Connection



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
- Rehabilitation Projects Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5545	2344-0064	2344-0028	EASEMENT	Broken: 5'; fractures	Lining: MH to MH	75
2	5342	2385-0515	2385-0516	BELLEVUE AV	Fractures:119', 209'; cracks	Structural integrity intact. No action needed.	
3	5245	2429-0007	2429-0008	EASEMENT	Fractures: 35'	Structural integrity intact. No action needed.	
4	5243	2385-0435	2385-0436	BONITA AV	Broken: 100'; fractures/cracks	Lining: MH to MH	322
5	5242	2385-0535	2385-0442	5TH ST	Broken: 142', hole: 164'; fractures	Lining: MH to MH	312
6	5241	2385-0600	2385-0601	CATARACT AV	Broken: 175', 203'	Lining: MH to MH	267
7	5234	2386-0156	2386-TRUN	COVINA BLVD	Missing pipe (covered): 25'; cracks	Lining: MH to MH	345
8	5231	2387-0428	2387-0427	EASEMENT	Broken: 16', 244'	Point Repair (244')	
9	5222	2385-0603	2385-0604	MONTE VISTA AV	Cracks: 6', 100'	Structural integrity intact. No action needed.	
10	5221	2385-0684	2385-0683	EASEMENT	Broken: 106'	Structural integrity intact. No action needed.	
11	5200	2343-0312	2343-0311	CYPRESS ST	Hole: 26'	Point Repair	
12	5200	2386-0495	2386-TRUN	VALLEY CENTER AV	Broken: 1', 8'	Structural integrity intact. No action needed.	
13	5200	2387-NE	2387-0303	VISTA DEL VALLE	Hole: 119'-121'	Structural integrity intact. No action needed.	
14	5143	2385-0419	2385-0422	EASEMENT	Broken: 217'; fractures/cracks	Lining: MH to MH	325
15	5142	2385-0402	2385-0403	EASEMENT	Fractures/cracks	Lining: MH to MH	343
16	5142	2385-0448	2385-0447	3rd ST	Broken: 141'; fractures/cracks	Point Repair (141')	
17	5142	2385-0583	2385-0450	ALLEY	Broken: 260'	Structural integrity intact. No action needed.	
18	5141	2343-0206	2343-0205	EASEMENT	Fractures: 127', 132'	Structural integrity intact. No action needed.	
19	5141	2343-0399	2343-0407	EASEMENT	Broken: 135'	Structural integrity intact. No action needed.	
20	5141	2385-0536	2385-0535	5TH ST	Fracture: 154'	Structural integrity intact. No action needed.	
21	5141	2385-0544	2385-0547	5TH ST	Broken: 3',33' and 37'	Lining: MH to MH	223
22	5141	2385-0582	2385-0581	N SAN DIMAS AV	Broken: 45'	Structural integrity intact. No action needed.	
23	5141	2385-0593	2385-0594	ALLEY	Broken: 69'	Lining: MH to MH	140
24	5141	2386-0064	2386-0065	ALLEY	Missing pipe: 28'; fractures: 154'	Structural integrity intact. No action needed.	
25	5141	2386-0378	2386-0377	VALLEY CENTER AV	Broken: 234'; fractures: 86', 107'	Structural integrity intact. No action needed.	
26	5141	2387-0195	2387-0197	PASEO DORADO	Broken: 111'	Structural integrity intact. No action needed.	
27	5141	2387-0229	2387-0230	EASEMENT	Broken: 111'-120'	Lining: MH to MH	120

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
28	5141	2387-0429	2387-0428	EASEMENT	Fractures: 95' and Broken 342'	Point Repair: 95' and 342' (Sleeve)	
29	513A	2385-0432	2385-0433	EUCLA AV	Broken: 169'; fractures/cracks	Point Repair (169')	
30	5139	2385-0429	2385-0430	EUCLA AV	Broken: 161'; fractures/cracks	Structural integrity intact. No action needed.	
31	5134	2387-0169	2387-0521	EASEMENT	Hole: 159'; fractures: 13'-16', 34', 104'	Lining: MH to MH	179
32	5133	2385-0133	2385-0132	RENNELL AV	Fractures/cracks	Structural integrity intact. No action needed.	
33	5133	2385-0573	2385-0572	4TH ST	Hole: 333'	Structural integrity intact. No action needed.	
34	5133	2386-0071	2386-0070	ALLEY	Fractures: 3', 105', 120'	Structural integrity intact. No action needed.	
35	5132	2386-0056	2386-0053	ARROW HWY	Broken: 85'-90'	Lining: MH to MH	90
36	5132	2428-0131	2428-0130	MOORE LN	Broken: 193'	Structural integrity intact. No action needed.	
37	5131	2385-0087	2385-0091	BALTON AV	Broken: 246'	Structural integrity intact. No action needed.	
38	5131	2385-0553	2385-0569	ALLEY	Broken: 156'; cracks	Structural integrity intact. No action needed.	
39	5131	2387-0521	2387-0520	EASEMENT	Broken: 223'; fractures: 23', 173'	Structural integrity intact. No action needed.	
40	5125	2429-0071	2429-0073	GAFFNEY AV	Broken: 159'	Structural integrity intact. No action needed.	
41	5122	2386-0066	2385-0604	MONTE VISTA AV	Broken: 12'; cracks	Structural integrity intact. No action needed.	
42	5122	2386-0105	2386-0106	COVINA BLVD	Broken: 6'	Structural integrity intact. No action needed.	
43	5122	2386-0107	2386-0106	TERRACE DR	Broken: 120'	Structural integrity intact. No action needed.	
44	5122	2386-0204	2386-0205	CIENEGA AV	Broken: 183'	Structural integrity intact. No action needed.	
45	5121	2344-0023	2344-0026	AVENIDA MONTE VISTA	Broken: 40'	Point Repair	
46	5121	2385-0125	2385-0101	KENNEDY RD	Broken: 69'	Structural integrity intact. No action needed.	
47	5121	2385-0486	2385-0485	EASEMENT	Hole: 61'	Point Repair (Sleeve)	
48	5121	2386-0310	2386-0309	CASTLEBURY CT	Broken: 23'	Lining: MH to MH	86
49	5111	2387-0257	2387-0240	VIA ESPERANZA	Broken: 260'	Structural integrity intact. No action needed.	
50	5100	2385-0400	2385-0401	AMELIA AV	Broken/hole: 225'	Point Repair (Sleeve)	
51	5100	2385-0577	2385-0576	3rd ST	Broken: 320'	Structural integrity intact. No action needed.	
52	5100	2386-0215	2386-0214	BENTLEY CT	Broken: 118'	Point Repair	
53	5100	2387-0427	2387-0426	EASEMENT	Broken: 40'	Structural integrity intact. No action needed.	
54	5100	2387-0563	2387-0562	CALLE ROSAMARIA	Broken: 1'	Structural integrity intact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
55	5100	2428-0007	2428-TRNK	SHOSHONE CT	Broken: 57'	Structural integrity intact. No action needed.	
56	5100	2428-0334	2428-0333	BIDWELL RD	Broken: 214'	Structural integrity intact. No action needed.	
57	5100	2429-0050	2429-0048	WALNUT AV	Broken: 76'	Structural integrity intact. No action needed.	
58	5100	2430-0037	2430-0036	EASEMENT	Broken: 82'	Point Repair	
59	4A21	2385-0143	2385-0136	ST GEORGE DR	Fractures: 74-78'	Structural integrity intact. No action needed.	
60	4531	2385-0584	2385-0583	ALLEY	Fractures: 2', 229'; cracks	Lining: MH to MH	348
61	443D	2385-0443	2385-0427	4TH ST	Fractures: 254'; cracks	Lining: MH to MH	330
62	4437	2385-0589	2385-0588	ALLEY	Fractures: 263'; cracks	Lining: MH to MH	327
63	4431	2385-0516	2385-0522	BELLEVIEW AV	Fractures/cracks	Structural integrity intact. No action needed.	
64	433B	2385-0421	2385-0420	3RD ST	Fractures/cracks	Structural integrity intact. No action needed.	
65	4336	2385-0444	2385-0443	4TH ST	Fractures: 186'; cracks	Lining: MH to MH	356
66	4334	2385-0136	2385-0135	RENNELL AV	Fractures/cracks	Lining: MH to MH	293
67	4334	2386-0264	2386-0263	EASEMENT	Hole: 228'; fractures: 45', 199'	Structural integrity intact. No action needed.	
68	4332	2343-0315	2343-0312	TREANOR AV	Fracture/cracks: multiple locations	Structural integrity intact. No action needed.	
69	4332	2430-0035	2430-0034	EASEMENT	Fractures: 0'-20'	Structural integrity intact. No action needed.	
70	4331	2429-0092	2429-PUMP	EASEMENT	Fractures: 10'-19'	Lining: MH to MH	89
71	4311	2387-0240	2387-0239	VIA ESPERANZA	Cracks: 172'-188'	Lining: MH to MH	192
72	4300	2385-0085	2385-0104	EASEMENT	Fractures: 0'-8'	Structural integrity intact. No action needed.	
73	4300	2385-0145	2385-0143	ST GEORGE DR	Fractures: 4', 159'	Structural integrity intact. No action needed.	
74	423K	2385-0445	2385-0428	ALLEY	Fractures: 133', 229'; cracks	Structural integrity intact. No action needed.	
75	423E	2385-0442	2385-0441	ACACIA ST	Fractures: 15'; cracks	Structural integrity intact. No action needed.	
76	423B	2385-0543	2385-0536	5TH ST	Fractures/cracks	Structural integrity intact. No action needed.	
77	4239	2385-0415	2385-0416	EASEMENT	Fractures/cracks	Structural integrity intact. No action needed.	
78	4239	2385-0550	2385-0549	ALLEY	Fracture: 152'; cracks	Structural integrity intact. No action needed.	
79	4237	2385-0135	2385-0133	RENNELL AV	Fractures/cracks	Structural integrity intact. No action needed.	
80	4237	2387-0201	2387-0044	VIA VERDE AV	Fractures: 233'-284'	Lining: MH to MH	296
81	4236	2385-0532	2385-0546	MONTE VISTA AV	Fractures: 210', 291'; cracks	Lining: MH to MH	345

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV1112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
82	4234	2386-0267	2386-0265	GLENGROVE AV	Fracture Multiple & Crack Multiple : 69' & 75'	Structural integrity intact. No action needed.	
83	4233	2385-0575	2385-0448	3rd ST	Fractures: 112', 310'; cracks	Lining: MH to MH	326
84	4233	2386-0434	2386-0433	AVENIDA LOMA VISTA	Cracks: 20'	Structural integrity intact. No action needed.	
85	4232	2385-0427	2385-0428	EUCLA AV	Fractures: 178' ; cracks	Structural integrity intact. No action needed.	
86	4232	2385-0484	2385-0483	FOOTHILL BV	Fractures/cracks	Structural integrity intact. No action needed.	
87	4232	2386-0057	2386-TRUN	SAN DIMAS AV	Fractures: 115'	Lining: MH to MH	164
88	4231	2385-0546	2385-0545	MONTE VISTA AV	Cracks	Structural integrity intact. No action needed.	
89	4231	2385-0586	2385-0585	ALLEY	Fractures: 145', 312'; cracks	Structural integrity intact. No action needed.	
90	4231	2428-0141	2428-0140	PORTOLA ST	Fractures: 56', 305'	Structural integrity intact. No action needed.	
91	422A	2386-0502	2386-0501	EASEMENT	Fractures: 125'	Lining: MH to MH	322
92	4222	2387-0089	2387-0081	EASEMENT	Fractures: 135', 228', 239', 361'	Lining: MH to MH	363
93	4221	2385-0578	2385-0577	3rd ST	Fractures: 81', 235'	Structural integrity intact. No action needed.	
94	4211	2385-0422	2385-0423	EASEMENT	Fractures	Structural integrity intact. No action needed.	
95	4200	2343-0355	2343-0354	EASEMENT	Fractures: 167', 172'	Structural integrity intact. No action needed.	
96	4200	2385-0447	2385-0429	3rd ST	Fractures: 33'	Structural integrity intact. No action needed.	
97	4200	2385-0579	2385-0578	3rd ST	Fractures: 122', 309'	Structural integrity intact. No action needed.	
98	413F	2385-0568	2385-0569	ALLEY	Fractures: 85', 305'; cracks	Lining: MH to MH	332
99	413C	2385-0690	2385-0689	EASEMENT	Fractures: 190'; cracks: 36', 41', 124', 135'	Lining: MH to MH	346
100	413C	2386-0272	2386-0271	CALORA ST	Fracture Multiple: 10' & Crack Multiple	Lining: MH to MH	257
101	413B	2385-0549	2385-0548	ALLEY	Fractures: 162'; cracks	Structural integrity intact. No action needed.	
102	413B	2386-0092	2386-0091	NUBIA ST	Fractures: 57'; cracks	Structural integrity intact. No action needed.	
103	413A	2385-0570	2385-0444	4TH ST	Fractures/cracks	Structural integrity intact. No action needed.	
104	413A	2386-0296	2386-0295	EASEMENT	Fracture Multiple & Crack Multiple :295'	Lining: MH to MH	285
105	4139	2385-0418	2385-0417	4TH ST	Fractures/cracks	Structural integrity intact. No action needed.	
106	4137	2385-0414	2385-0415	OAKWAY ST	Fractures/cracks	Lining: MH to MH	165
107	4135	2385-0436	2386-0294	ACACIA ST	Fractures: 43'; cracks	Structural integrity intact. No action needed.	
108	4135	2385-0565	2385-0564	ALLEY	Fractures: 19'	Structural integrity intact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
109	4135	2385-0610	2385-0613	ALLEY	Fractures: 145'; cracks	Structural integrity intact. No action needed.	
110	4134	2385-0395	2385-0396	BRADISH AV	Fractures/cracks	Structural integrity intact. No action needed.	
111	4134	2385-0522	2385-0521	GLADSTONE ST	Fractures/cracks	Structural integrity intact. No action needed.	
112	4134	2385-0543	2385-0544	5TH ST	Fractures/cracks	Lining: MH to MH	300
113	4134	2385-0567	2385-0568	ALLEY	Fractures: 103', 181'	Structural integrity intact. No action needed.	
114	4134	2385-0588	2385-0453	ALLEY	Fractures: 205'; cracks	Structural integrity intact. No action needed.	
115	4134	2385-0606	2385-0605	ALLEY	Fractures: 92'; cracks	Structural integrity intact. No action needed.	
116	4133	2385-0547	2385-0548	5TH ST	Fractures/cracks: 6'	Structural integrity intact. No action needed.	
117	4133	2385-0585	2385-0584	ALLEY	Fractures: 333'; cracks	Structural integrity intact. No action needed.	
118	4133	2385-0624	2385-0623	ALLEY	Cracks: 192'	Structural integrity intact. No action needed.	
119	4133	2386-0099	2386-0098	SAN DIMAS AV	Fractures: 51', 66'	Structural integrity intact. No action needed.	
120	4133	2386-0293	2386-TRUN	ACACIA ST	Fracture Multiple & Crack Multiple: 0'	Structural integrity intact. No action needed.	
121	4132	2385-0437	2385-0436	ACACIA ST	Fractures: 5', 24', 34'	Structural integrity intact. No action needed.	
122	4132	2385-0449	2385-0430	ALLEY	Fractures/cracks	Structural integrity intact. No action needed.	
123	4132	2385-0571	2385-0570	4TH ST	Fractures/cracks	Structural integrity intact. No action needed.	
124	4132	2385-0581	2385-0580	N SAN DIMAS AV	Fractures: 7'; cracks	Structural integrity intact. No action needed.	
125	4132	2385-0592	2385-0591	ALLEY	Fractures: 204'; cracks	Structural integrity intact. No action needed.	
126	4132	2387-0330	2387-0328	CALLE SERRA	Fractures: 86'	Lining: MH to MH	132
127	4132	2387-0412	2387-0411	PARK ROAD NO 1	Fractures: 311'	Structural integrity intact. No action needed.	
128	4131	2343-0349	2343-0350	EASEMENT	Fractures: 89'	Lining: MH to MH	137
129	4131	2385-0086	2385-0087	BALTON AV	Broken: 163'	Structural integrity intact. No action needed.	
130	4131	2385-0142	2385-0153	EASEMENT	Broken: 29'	Structural integrity intact. No action needed.	
131	4131	2385-0605	2385-0604	ALLEY	Fractures: 41'	Structural integrity intact. No action needed.	
132	4131	2385-0620	2385-0619	ALLEY	Fractures: 123'	Structural integrity intact. No action needed.	
133	4131	2385-0627	2385-0626	ALLEY	Broken: 200'	Structural integrity intact. No action needed.	
134	4131	2386-0068	2386-0069	RAILWAY ST	Fractures: 9'	Structural integrity intact. No action needed.	
135	4131	2386-0077	2386-0078	COMMERCIAL ST	Fractures: 257'	Structural integrity intact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
136	4131	2386-0114	2386-0127	COVINA BLVD	Fractures: 183'	Structural integrity intact. No action needed.	
137	4131	2386-0330	2386-0327	CYPRESS ST	Fractures: 304'; cracks: 335'	Structural integrity intact. No action needed.	
138	4131	2386-0436	2386-0433	VIA CANADA	Fractures: 95'-100'	Structural integrity intact. No action needed.	
139	4131	2387-0318	2387-0319	EASEMENT	Cracks: 57'	Structural integrity intact. No action needed.	
140	4131	2428-0109	2428-0108	EASEMENT	Fractures: 3'	Structural integrity intact. No action needed.	
141	4131	2428-0125	2428-0120	JUANITA AV	Fractures: 336'	Structural integrity intact. No action needed.	
142	4131	2428-0143	2428-0142	PORTOLA ST	Fractures: 104'	Structural integrity intact. No action needed.	
143	4131	2428-0226	2428-0227	SHAFTESBURY ST	Fractures: 146'	Structural integrity intact. No action needed.	
144	4131	2430-0014	2430-0013	EASEMENT	Fractures: 324'	Structural integrity intact. No action needed.	
145	4131	2430-0039	2430-0037	EASEMENT	Fractures: 174'	Structural integrity intact. No action needed.	
146	4131	2430-0040	2430-0039	EASEMENT	Fractures: 254', 295'	Structural integrity intact. No action needed.	
147	412D	2385-0407	2386-0281	ARROW HWY	Fractures: 235'	Structural integrity intact. No action needed.	
148	4129	2429-0041	2429-0040	ORANGEWOOD LN	Fractures: 153'	Structural integrity intact. No action needed.	
149	4127	2386-0036	2386-0035	EASEMENT	Fractures: 43'	Structural integrity intact. No action needed.	
150	4124	2429-0015	2429-PUMP	EASEMENT	Fractures: 286'-288'	Structural integrity intact. No action needed.	
151	4123	2385-0615	2385-0614	EASEMENT	Fractures: 254'	Structural integrity intact. No action needed.	
152	4121	2344-0046	2344-0045	EASEMENT	Fracture: 186'	Structural integrity intact. No action needed.	
153	4121	2385-0504	2385-TRNK	CATARACT AV	Joint offset: 305'	Structural integrity intact. No action needed.	
154	4121	2385-0594	2385-0592	ALLEY	Fractures: 108'	Structural integrity intact. No action needed.	
155	4121	2385-0625	2385-0624	ALLEY	Cracks: 63'	Structural integrity intact. No action needed.	
156	4121	2387-0053	2387-0050	PUENTE ST	Fractures: 0', 229'	Structural integrity intact. No action needed.	
157	4121	2387-0211	2387-0210	EASEMENT	Fractures: 42'	Structural integrity intact. No action needed.	
158	4111	2386-0045	2386-0047	EASEMENT	Joint Separation: 134'; fractures: 156'	Lining: MH to MH	217
159	4111	2386-0401	2386-0400	STONEHENGE DR	Joint Offset: 118'; fractures: 2'	Structural integrity intact. No action needed.	
160	4111	2387-0159	2387-0161	VIA ARABELLA	Fracture Multiple :131'	Structural integrity intact. No action needed.	
161	4100	2343-0317	2343-0316	BENBOW ST	Fractures: 205'	Structural integrity intact. No action needed.	
162	4100	2343-0397	2343-0396	EASEMENT	Fracture	Structural integrity intact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SAN DIMAS (Y0TV112B)

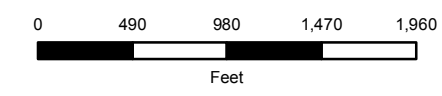
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION (FT)	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
163	4100	2385-0075	2385-0074	SHELLMAN AV	Fractures: 96'	Structural integrity intact. No action needed.	
164	4100	2385-0147	2385-0146	ST GEORGE DR	Fractures: 241'	Structural integrity intact. No action needed.	
165	4100	2385-0149	2385-0148	ST GEORGE DR	Fractures: 78'	Structural integrity intact. No action needed.	
166	4100	2385-0423	2385-0424	EASEMENT	Fractures: 9'	Structural integrity intact. No action needed.	
167	4100	2386-0037	2386-0036	EASEMENT	Fractures: 350'	Structural integrity intact. No action needed.	
168	4100	2386-0055	2386-0056	ARROW HWY	Fractures: 347'	Structural integrity intact. No action needed.	
169	4100	2386-0059	2386-0058	SAN DIMAS AV	Fractures: 288'	Structural integrity intact. No action needed.	
170	4100	2386-0342	2386-0335	DANECROFT AV	Fractures: 257'	Structural integrity intact. No action needed.	
171	4100	2386-0394	2386-0399	STONEHENGE DR	Fractures: 1'	Structural integrity intact. No action needed.	
172	4100	2386-0481	2386-0476	EASEMENT	Fractures: 18'	Structural integrity intact. No action needed.	
173	4100	2386-0483	2386-0482	EASEMENT	Fractures: 24'	Structural integrity intact. No action needed.	
174	4100	2387-0046	2387-0045	PUENTE ST	Fractures: 182'	Structural integrity intact. No action needed.	
175	4100	2387-0250	2387-0248	VIA ALEGRE	Fractures: 331'	Structural integrity intact. No action needed.	
176	4100	2387-0273	2387-0272	EASEMENT	Fractures: 108'	Structural integrity intact. No action needed.	
177	4100	2387-0288	2387-0287	CALLE SANTA BARBARA	Fractures: 34'	Structural integrity intact. No action needed.	
178	4100	2387-0328	2387-0327	AVENIDA LOMITA	Fractures: 7'	Structural integrity intact. No action needed.	
179	4100	2387-0411	2386-0195	PARK ROAD NO 1	Fractures: 339'	Structural integrity intact. No action needed.	
180	4100	2387-0512	2387-0511	EASEMENT	Fractures: 0'	Structural integrity intact. No action needed.	
181	4100	2429-0003	2429-0004	EASEMENT	Fractures: 5'	Structural integrity intact. No action needed.	
182	4100	2429-0005	2429-0006	EASEMENT	Fractures: 1'	Structural integrity intact. No action needed.	
183	4100	2429-0023	2429-0021	IRONBARK LN	Fractures: 194'	Structural integrity intact. No action needed.	
184	4100	2429-0037	2429-0036	TANGLEWOOD DR	Fractures: 0'	Structural integrity intact. No action needed.	
185	4100	2429-0068	2429-0069	VIA LOS SANTOS	Fractures: 87'	Structural integrity intact. No action needed.	

ENCLOSURE 3

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

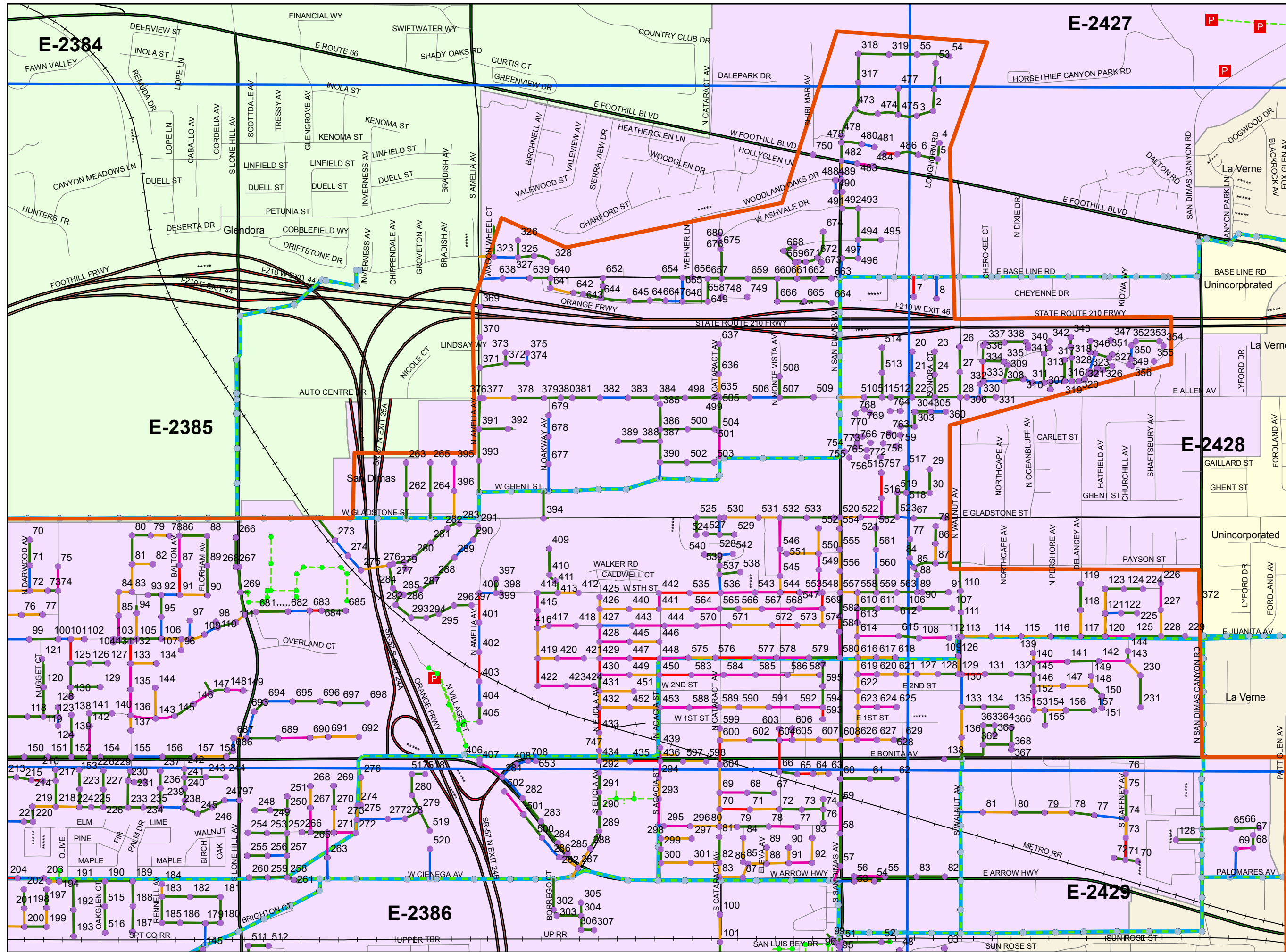
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV112B

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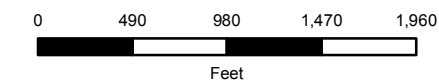
September 2015



ENCLOSURE 3 CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

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SMD Manholes

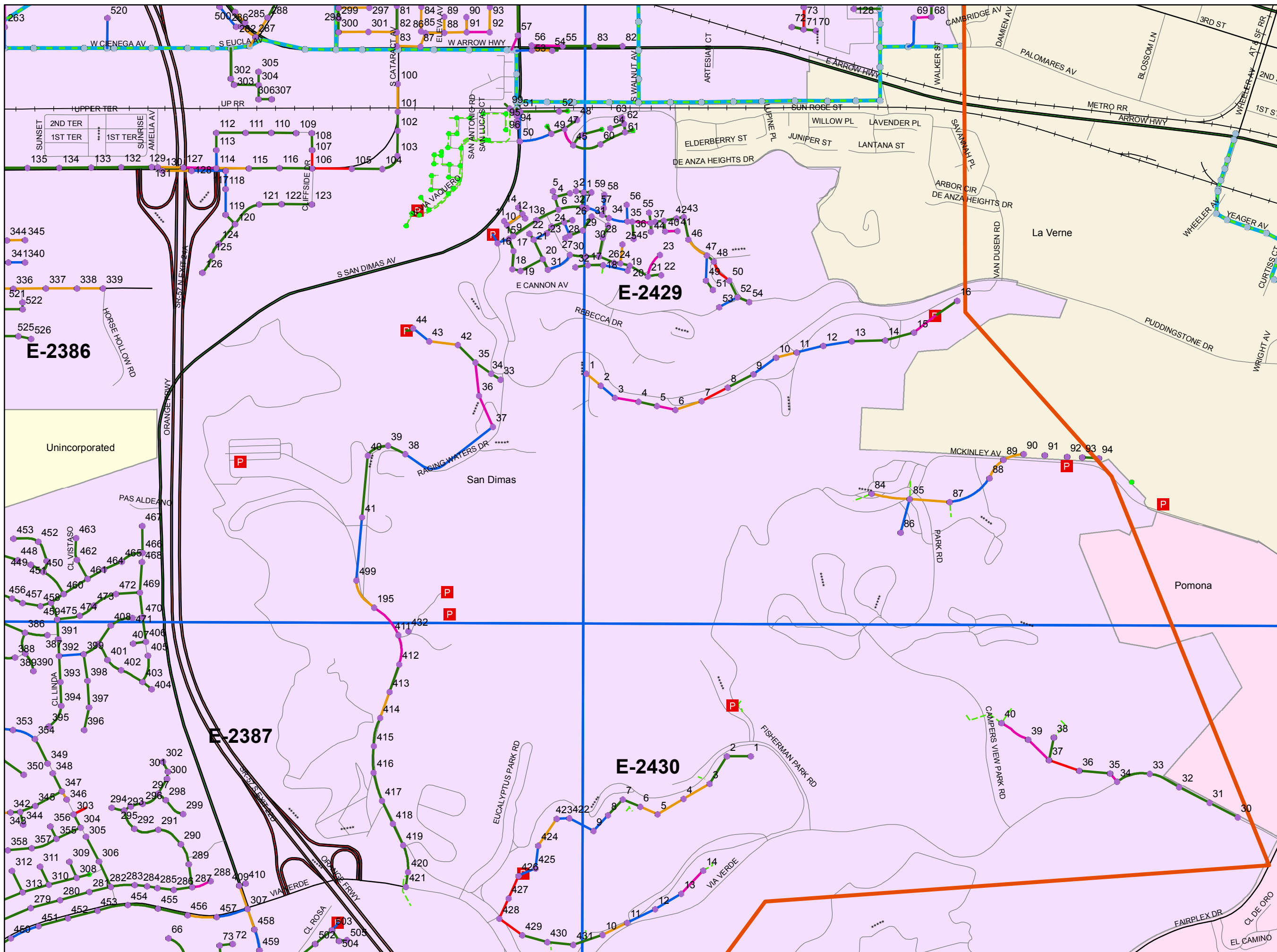
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September 2015

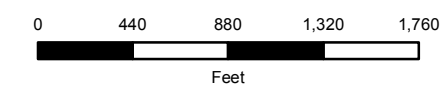


ENCLOSURE 3

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK STRUCTURAL RATING (QSR)



Legend

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SMD Manholes

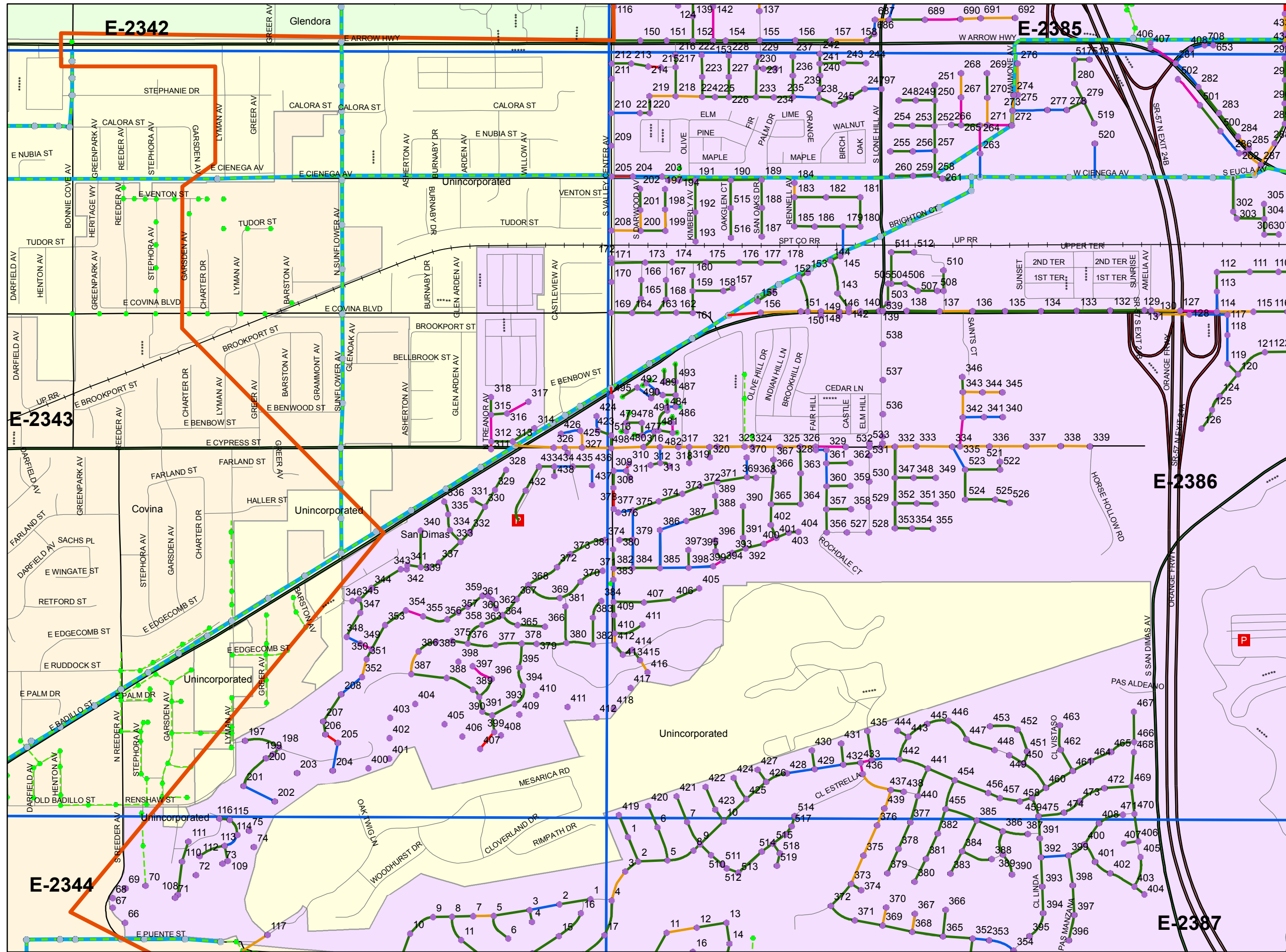
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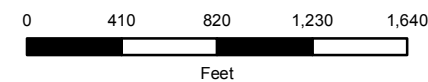


ENCLOSURE 3

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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SMD Manholes

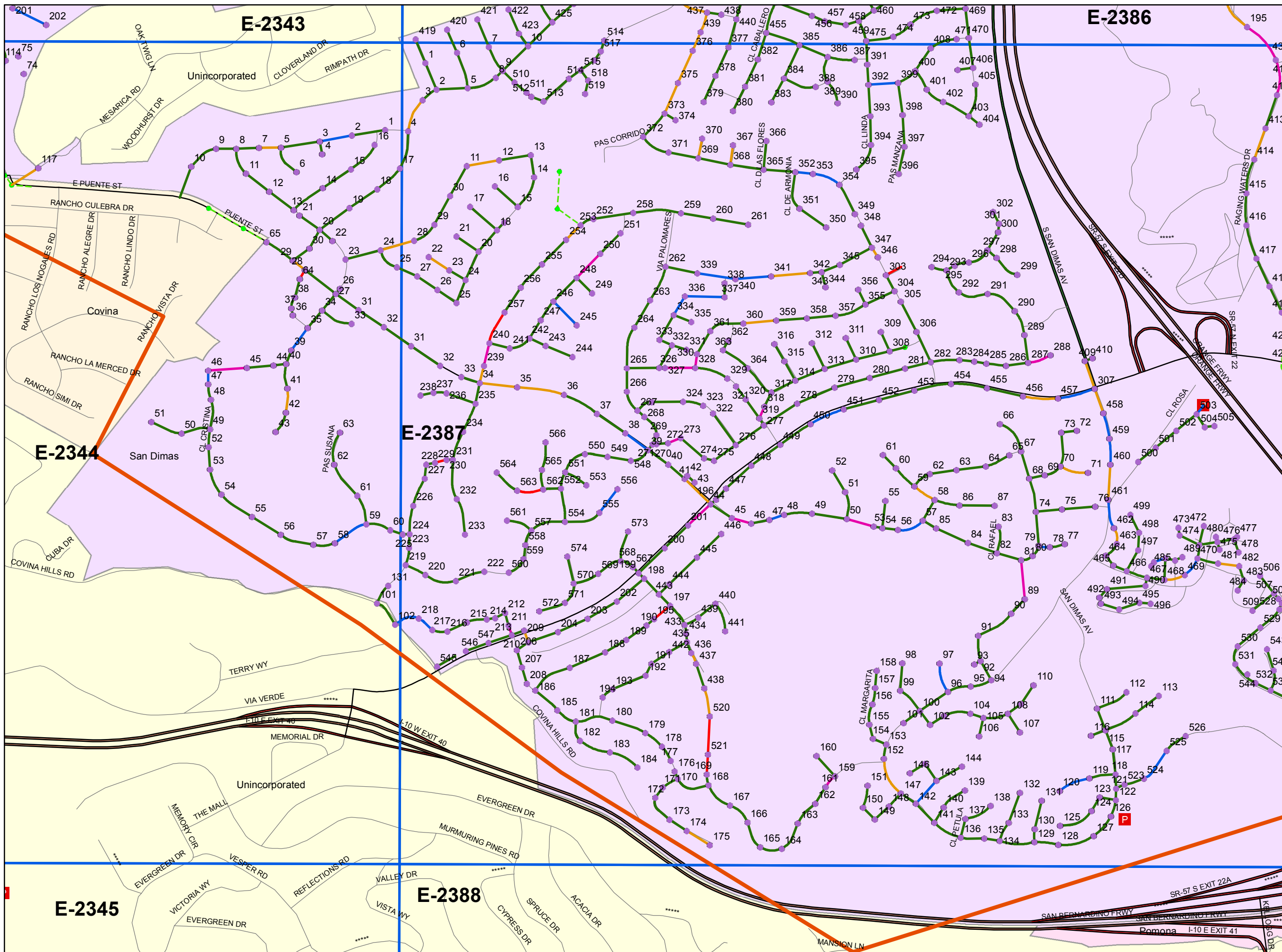
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Maintained by Others:

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- Y0TV112B

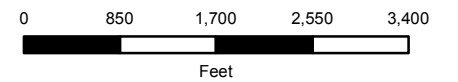
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September 2015



ENCLOSURE 3
CCTV PROJECT
Y0TV112B
CITY OF SAN DIMAS

**LINING &
 POINT REPAIR
 PROJECTS**

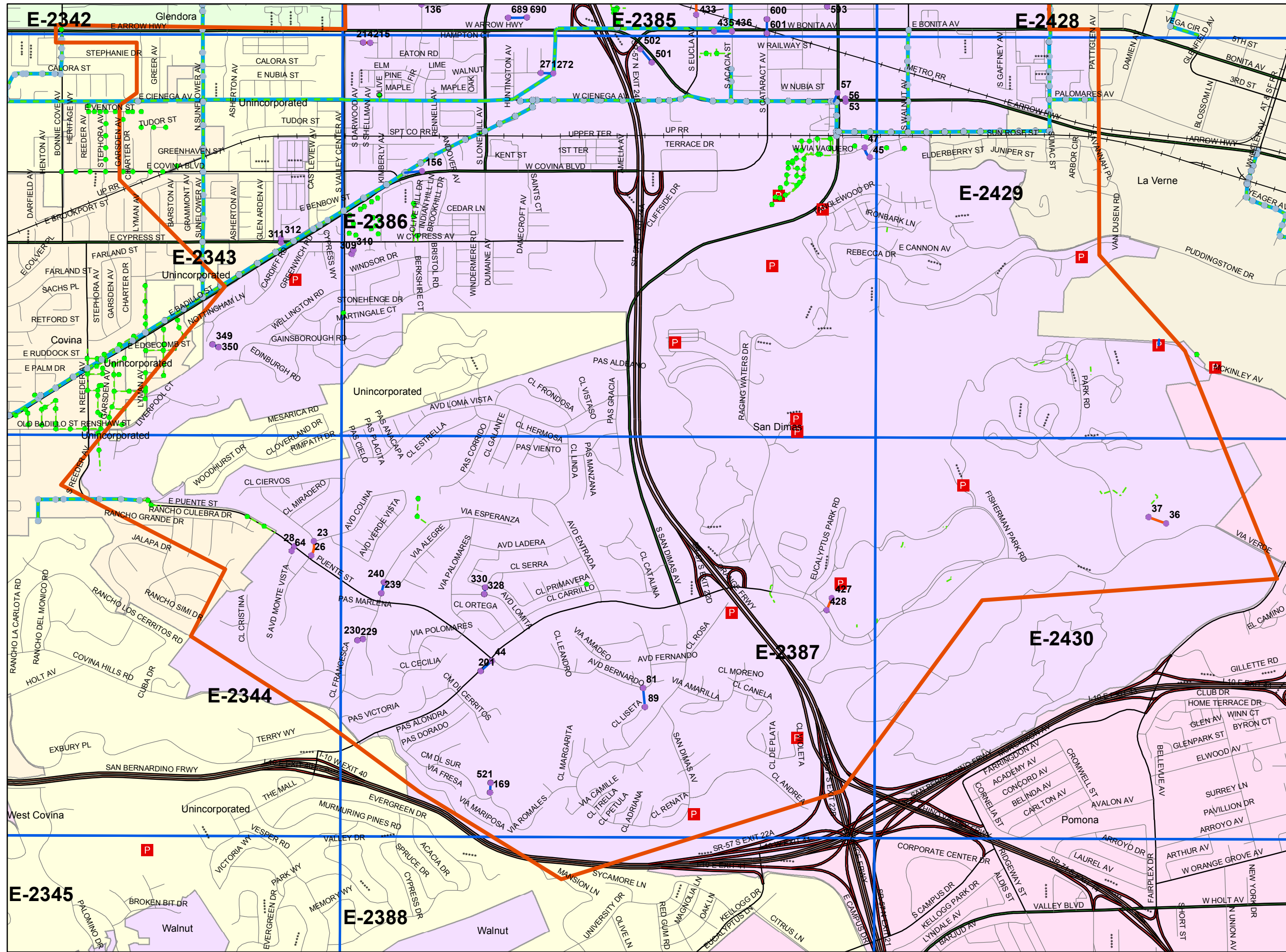


Legend

- Point Repair
- Lining MH to MH
- 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
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- Y0TV112B

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May 2016

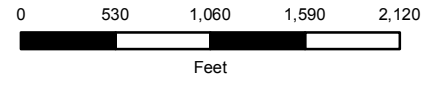


ENCLOSURE 3

CCTV PROJECT Y0TV112B

CITY OF SAN DIMAS

LINING & POINT REPAIR PROJECTS



Legend

- Point Repair
- Lining MH to MH

SMD Manholes

- Other
- Manhole Type
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
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