



MARK PESTRELLA, 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

August 7, 2018

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

Mr. Robert Newman
Director of Public Works
City of Santa Clarita
23920 Valencia Boulevard, Suite 300
Santa Clarita, CA 91355-2196

Attention Ms. Carrie Lujan

Dear Robert:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NOS. Y0TV1314A1 AND Y0TV1415A**

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

The enclosed Condition Assessment Reports for Project Nos. Y0TV1314A1 and Y0TV1415A provides details regarding the maintenance and structural condition of your sewer mainlines. Please note that the report for Project No. Y0TV0910D, for the balance of your system, was transmitted to your City on November 19, 2013. The information contained in all three reports should be included in your agency's Sewer System Management Plan as a reference in Chapter 8, System Evaluation and Capacity Assurance Plan.

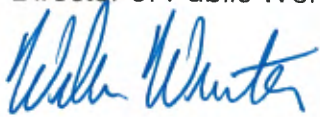
The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance cleaning schedule for continued monitoring. In addition, segments with severe structural defects have either been repaired or will be scheduled for corrective action as part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

Mr. Robert Newman
August 7, 2018
Page 2

If you have any questions regarding this report or the Condition Assessment Program, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390, Monday through Thursday, 7 a.m. to 5 p.m., or at keskridge@dpw.lacounty.gov.

Very truly yours,

MARK PESTRELLA
Director of Public Works



WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

CK:lb
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Enc.

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

100% SUMMARY

SUP.	5	MAP	1216, 1255, 1256, 1257, 1293, 1294,
DISTRICT(S)		PAGE(S):	1295, 1296, 1297, 1298, 1331, 1332,
			1333, 1334, 1335, 1336, 1337, 1372,
			1373, 1374, 1375, 1416, 1417, 1418,
			1460, 1461, 1511, 1512, 1513
Report By:	Clement Khong	Report Date:	8/7/2018

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 closed-circuit television inspection of 2,219,586 feet or 100 percent of the City of Santa Clarita's (City) sewer system.

The closed-circuit television inspection of the City was completed in three projects (Project Nos. Y0TV0910D, Y0TV1314A1, and Y0TV1415A). A copy of the Condition Assessment Report for Project No. Y0TV0910D can be found in the District's website at <http://dpw.lacounty.gov/smd/cctv/city/>. Enclosed for your reference are Condition Assessment Reports for Project Nos. Y0TV1314A1 and Y0TV1415A.

SUMMARY MAINTENANCE REPORT

Our inspection revealed that approximately 86.2 percent of the system televised was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 13.8 percent of the inspected pipe segments within the City had a Pipeline Assessment and Certification Program (PACP) maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been addressed with corrective action taken as noted in the enclosed reports.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	1,284,590	57.9	6,117
2: Minor to Moderate	628,542	28.3	3,075
3: Moderate	147,183	6.6	642
4: Significant	134,441	6.1	558
5: Most Significant	24,830	1.1	112
TOTAL	2,219,586	100.0	10,504

SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 95.7 percent of the inspected pipe segments within the City were free of significant structural defects. However, the remaining 4.3 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. The priority lists for these items are located in the enclosed reports.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	1,650,893	74.4	7,988
2: Minor to Moderate	352,929	15.9	1,591
3: Moderate	120,304	5.4	511
4: Significant	71,864	3.2	303
5: Most Significant	23,596	1.1	111
TOTAL	2,219,586	100.0	10,504

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

PROJECT NAME:	Y0TV1314A1	PROJECT MGR:	Hanna Kebede
PROJECT DATE:	5/28/14	CONTACT NO:	(626) 300-4686
SUP. DISTRICT(s):	5	MAP PAGE(S):	1255, 1257, 1293, 1294, 1295, 1296, 1297, 1331, 1332, 1333, 1334, 1335, 1336, 1372, 1373, 1374, 1375, 1416, 1417, 1459, 1460, 1461, 1511, 1512, 1513

Report By:	Clement Khong	Report Date:	8/7/18
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INTRODUCTION

The District conducted a condition assessment of 1,024,697 feet or 46.1 percent of the City's entire sewer system as part of Project No. Y0TV1314A1.

The enclosed Condition Assessment Report outlines the structural and maintenance ratings of your system based on the PACP's (Version 6.0.1) rating methodology. Included in the report are the following:

- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Map, High Water Levels List and Map, Infiltration List and Map, and Sample Lateral Notice Letter (Enclosure 2)
- Quick Structural Rating Report Priority List and Quick Structural Rating Priority Map (Enclosure 3)

The Sewer Condition Assessment Program utilizes the PACP Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project No. Y0TV1314A1 included sewer lines located in the unincorporated County of Los Angeles and the City of Santa Clarita. 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 87.2 percent of the system televised in your City as part of Project No. Y0TV1314A1 was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 12.8 percent of the pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken.

A color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	761,475	74.3	3,626
2: Minor to Moderate	131,935	12.9	588
3: Moderate	61,107	6.0	274
4: Significant	58,675	5.7	256
5: Most Significant	11,505	1.1	54
TOTAL	1,024,697	100.0	4,798

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 98.3 percent of the system televised has adequate capacity. Approximately 1.7 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 the sewer pipe is full of water. However, there are conditions in which the Water Level or Water Mark has reached 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage caused by debris in the sewer lines, or a sag in the line. Therefore, additional review of these pipe segments was conducted to determine if any capacity issues exist.

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

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

Infiltration

Our inspection revealed that approximately 0.3 percent of the system included in your City as part of Project No. Y0TV1314A1 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 action is proposed, the work will be programmed in the next 24 months as part of our ongoing Accumulative Capital Outlay Program.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 94.8 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 5.2 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 230 in the Quick Structural Rating Report Priority List (Enclosure 3), which warrant a corrective action, the proposed corrective action will be programmed in the next 24 months as part of the ongoing Accumulative Capital Outlay Program.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	695,336	67.8	3,302
2: Minor to Moderate	215,526	21.0	998
3: Moderate	60,984	6.0	268
4: Significant	39,922	3.9	172
5: Most Significant	12,929	1.3	58
TOTAL	1,024,697	100.0	4,798

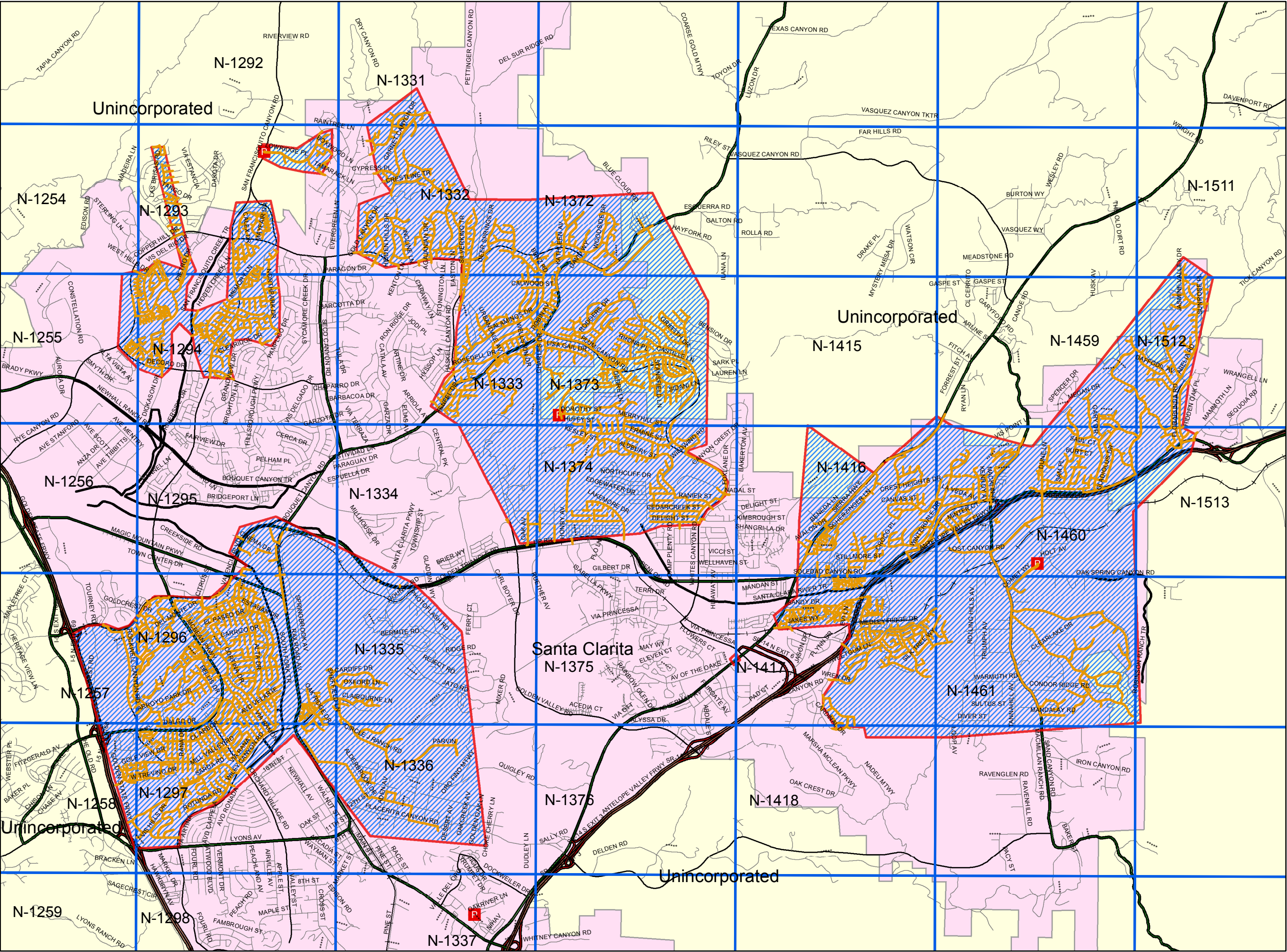
CONDITION ASSESSMENT PROJECTS

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
2009-10	Y0TV0910D	329,847	14.9	COMPLETED
2013-14	Y0TV1314A1	1,024,697	46.1	COMPLETED
2014-15	Y0TV1415A	865,042	39.0	COMPLETED
TOTAL		2,219,586	100.0	

ENCLOSURE 1

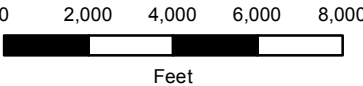
Project Overview Map



OVERVIEW MAP

**CCTV PROJECT
Y0TV1314A1**

**CITY OF
SANTA CLARITA**



Legend

— SMD Sanitary Sewers

SMD Manholes

○ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

— Trunk Sewerlines

— Non SMD Sanitary Sewers

● Non SMD Maintained MH

[Blue Box] SMD Operations Maps

[Blue Box with Diagonal Lines] 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

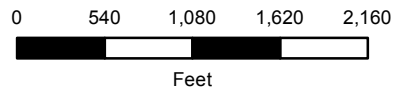
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF SANTA CLARITA

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
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SMD Manholes

- Other

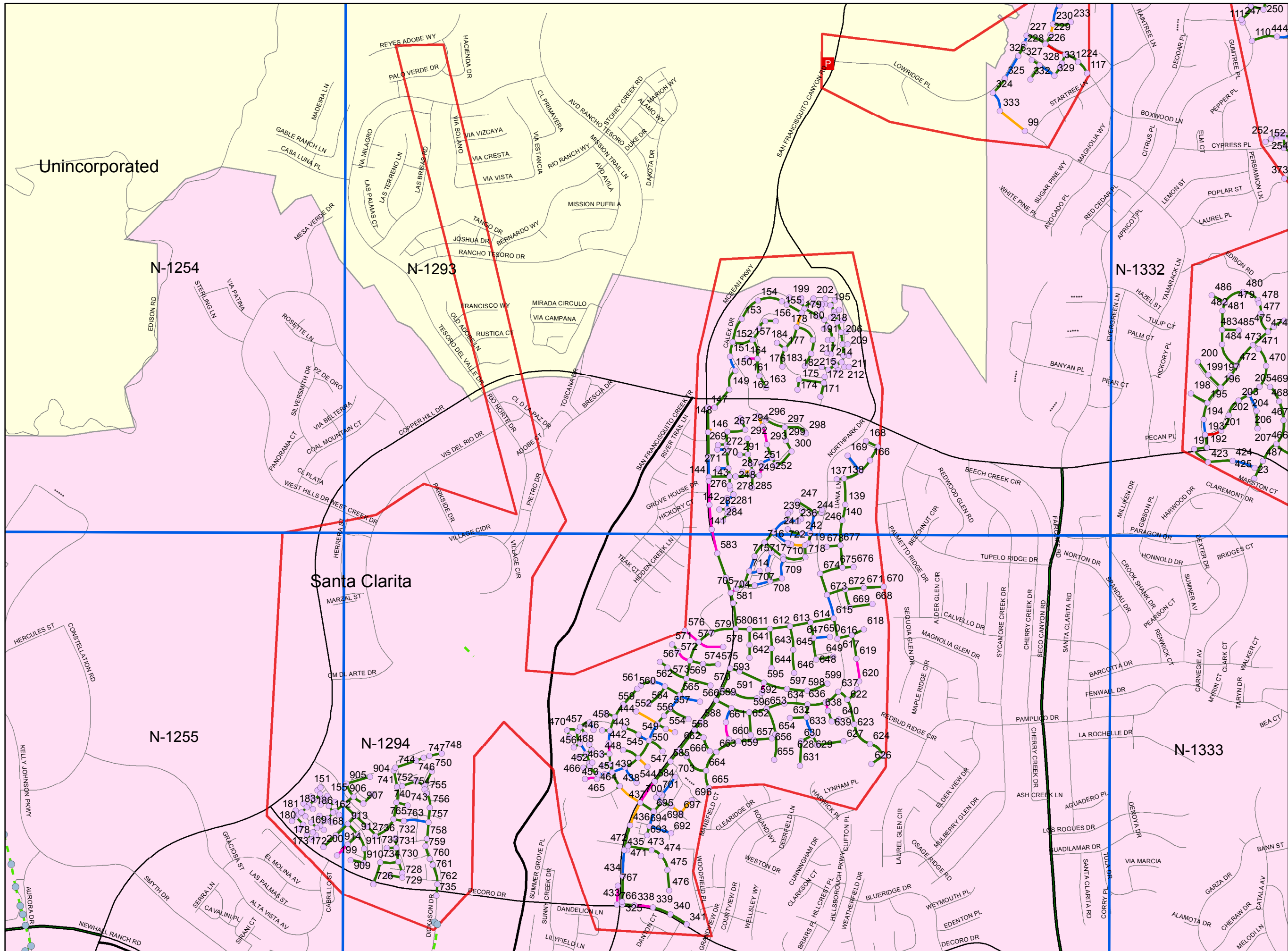
Manhole Type

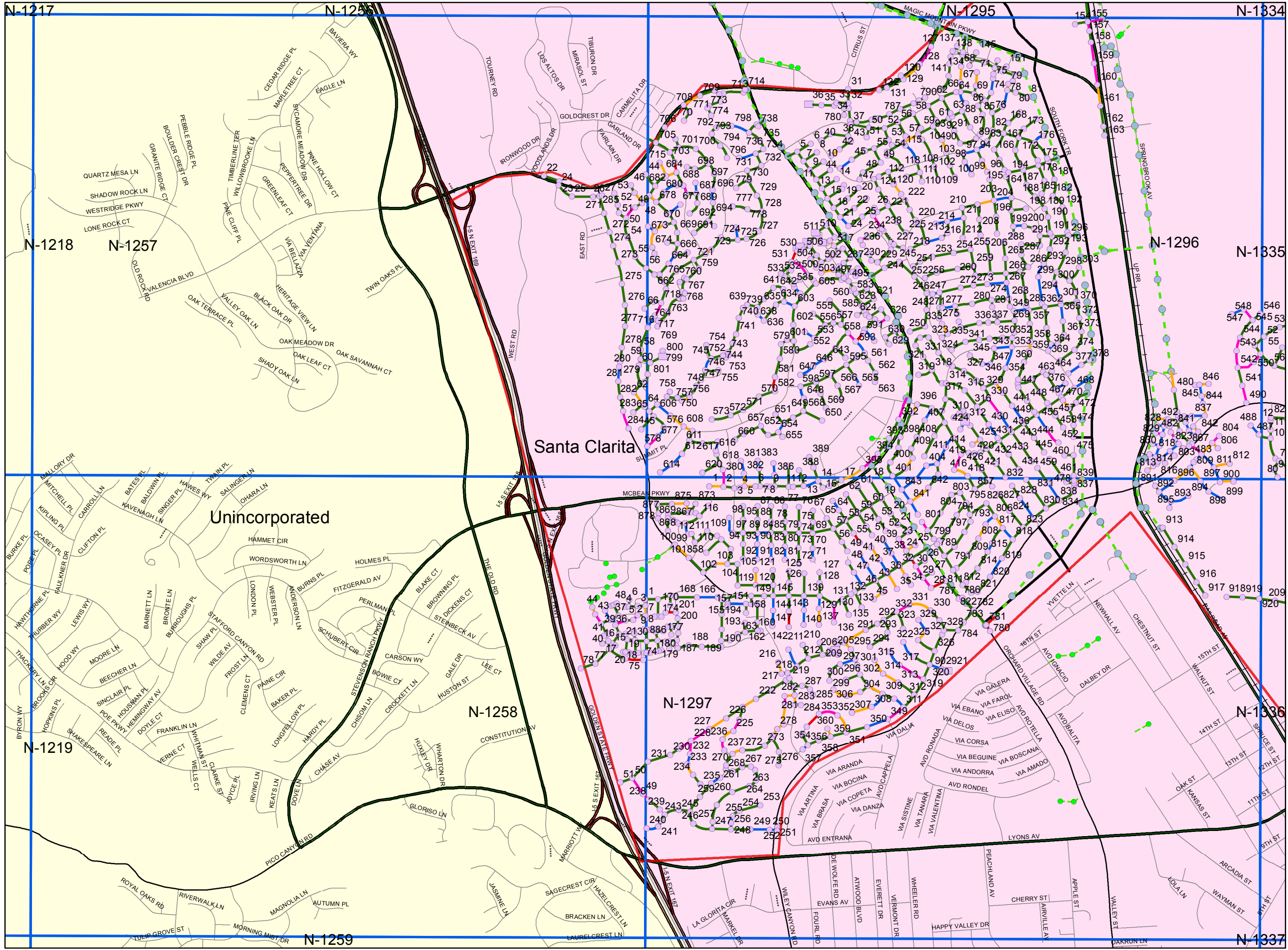
- Standard
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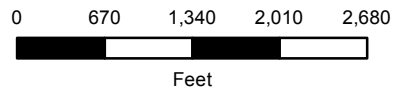
ENCLOSURE 2

CCTV PROJECT

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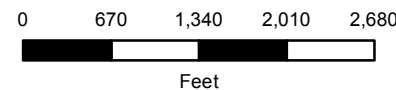
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

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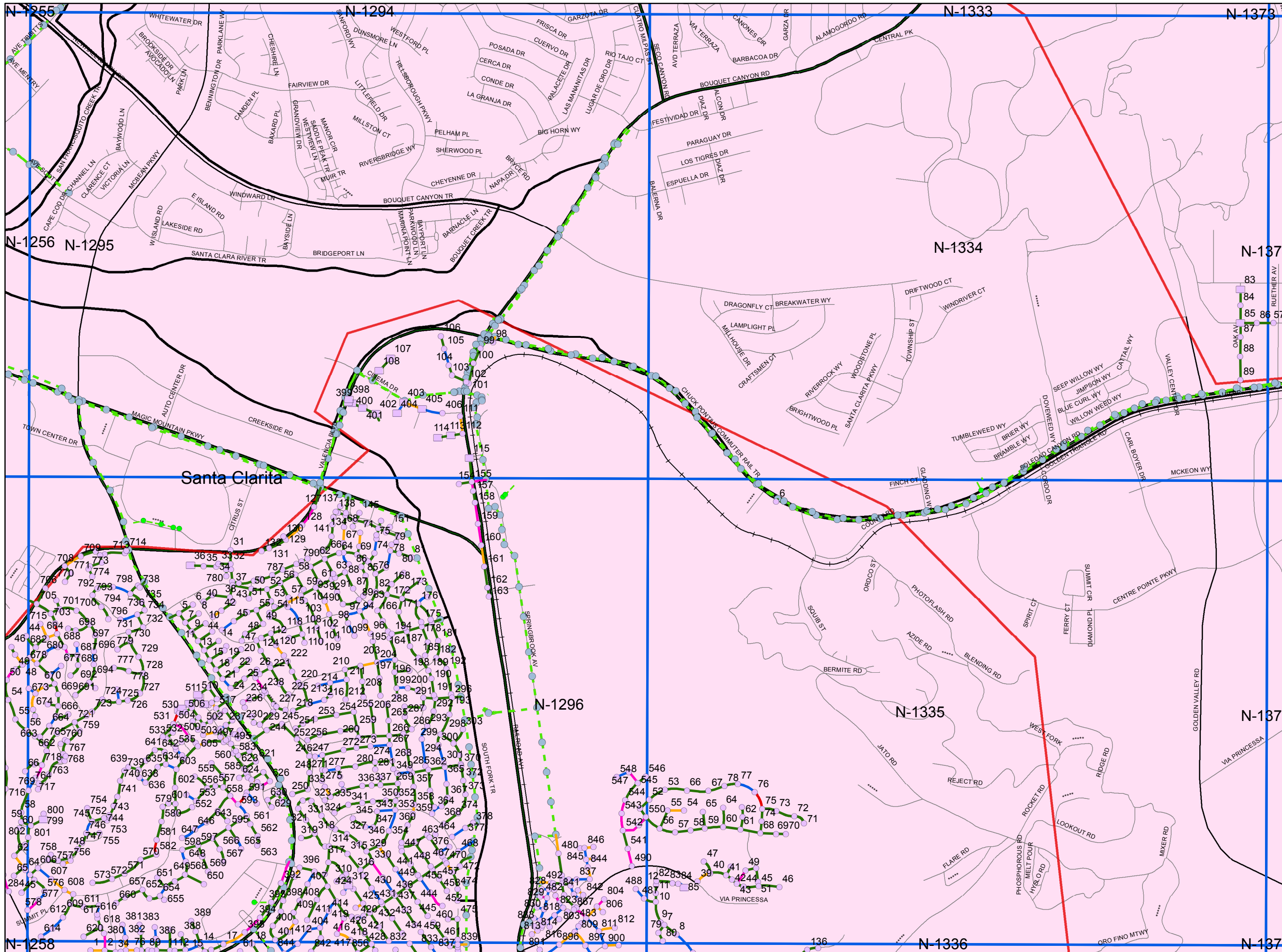
Manhole Type

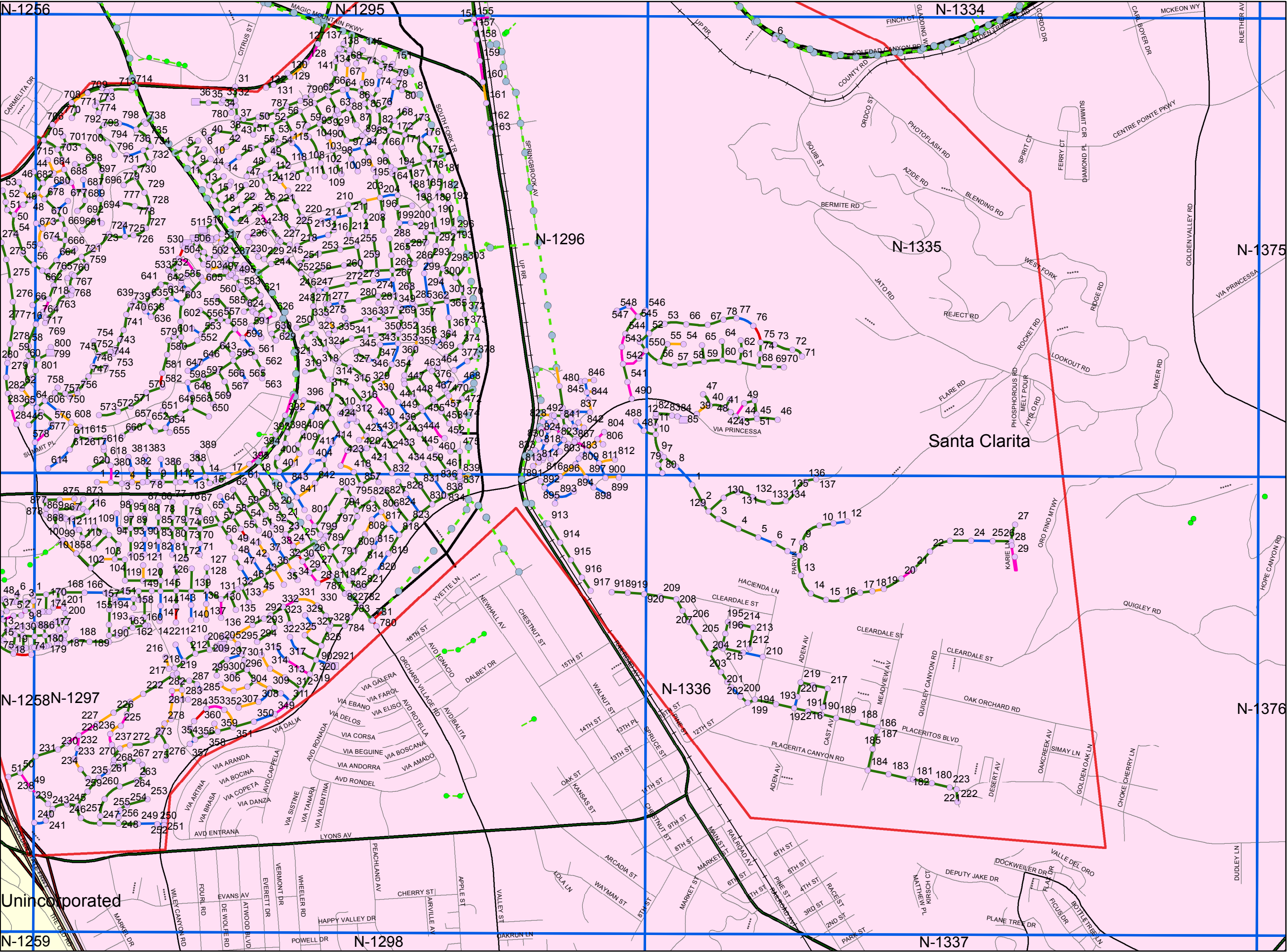
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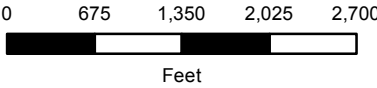
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

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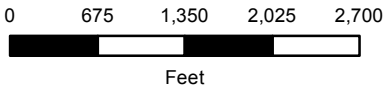
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

QUICK
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Legend

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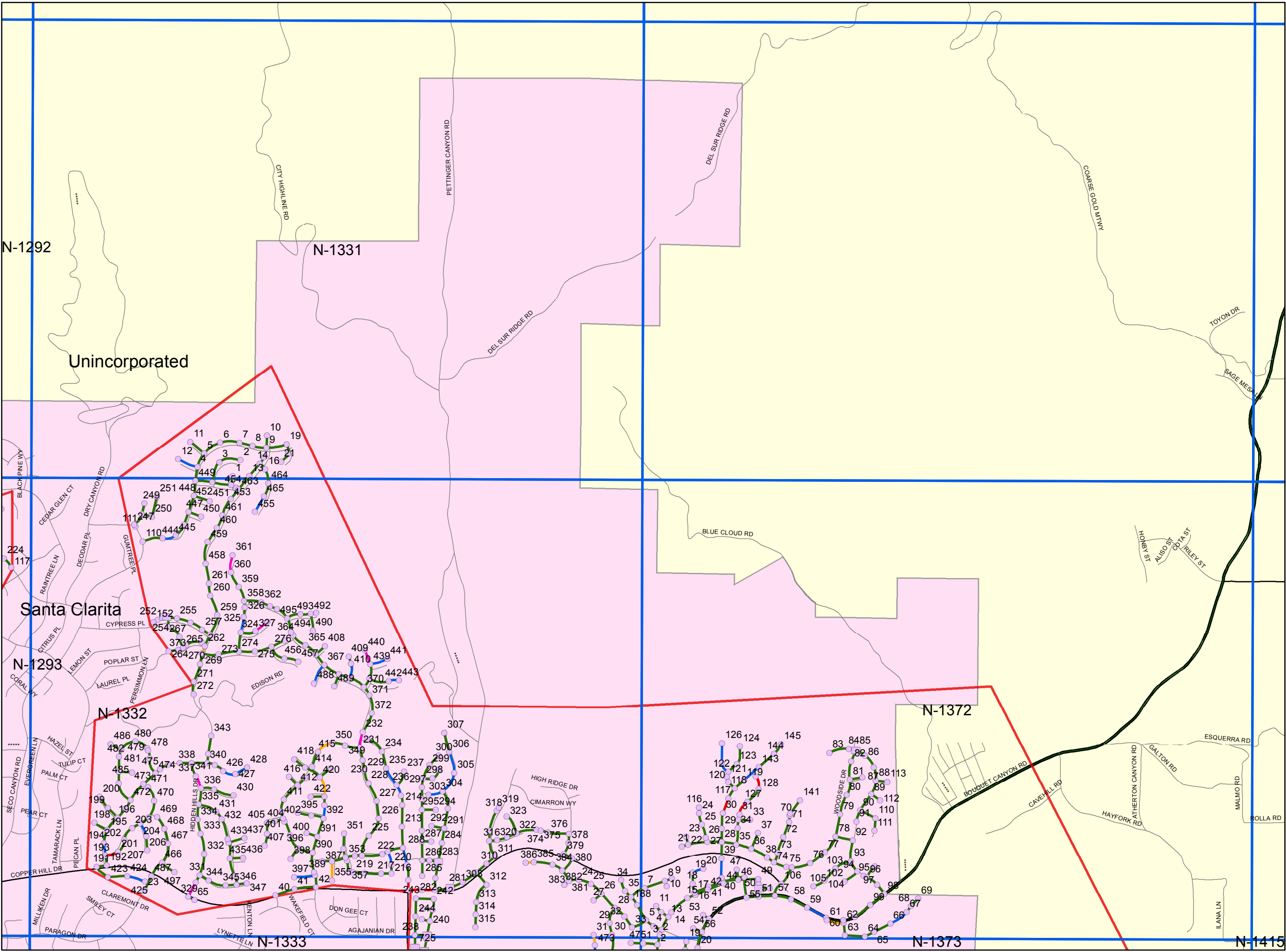
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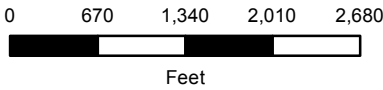
ENCLOSURE 2

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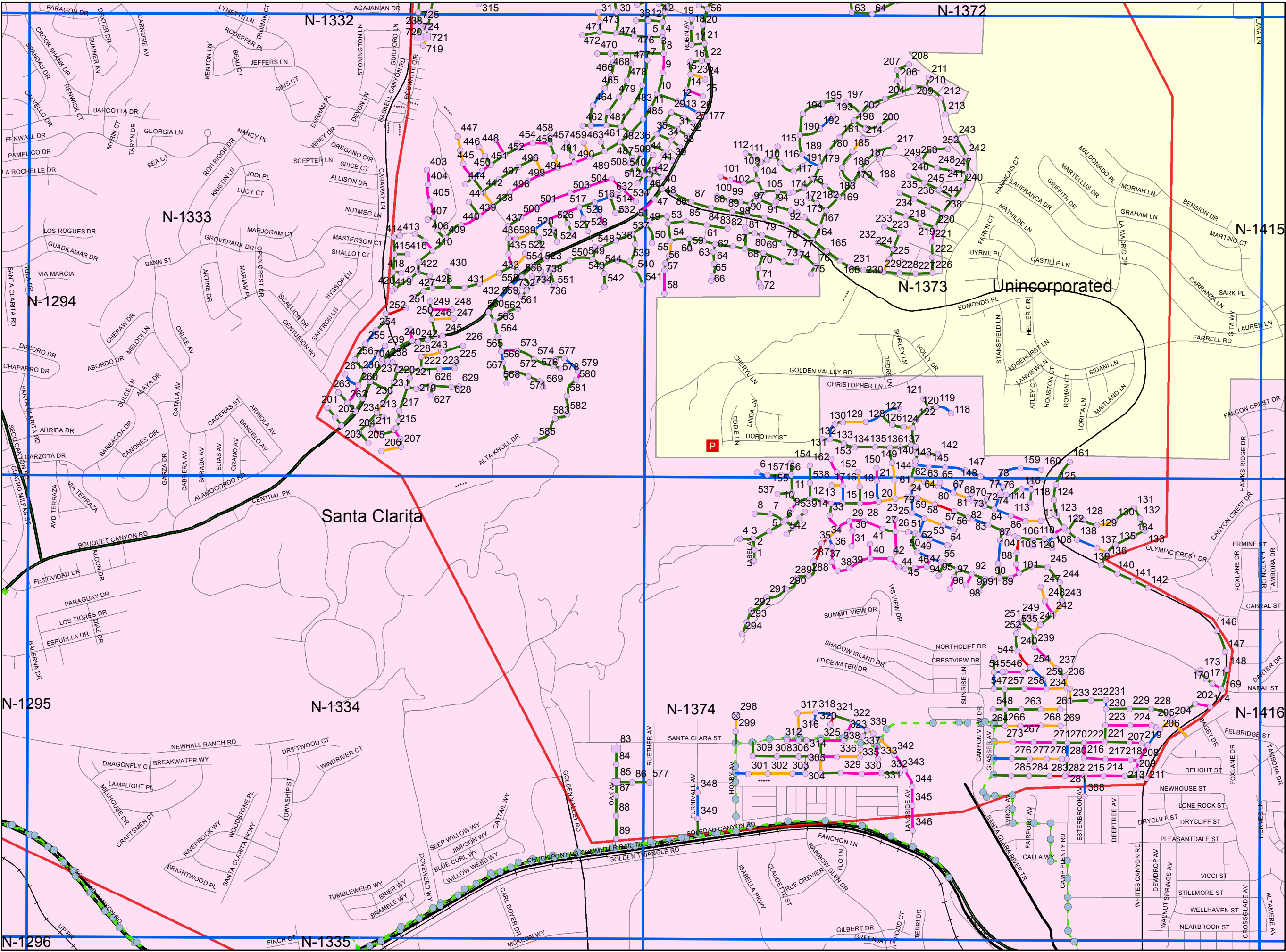
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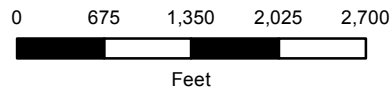
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF SANTA CLARITA

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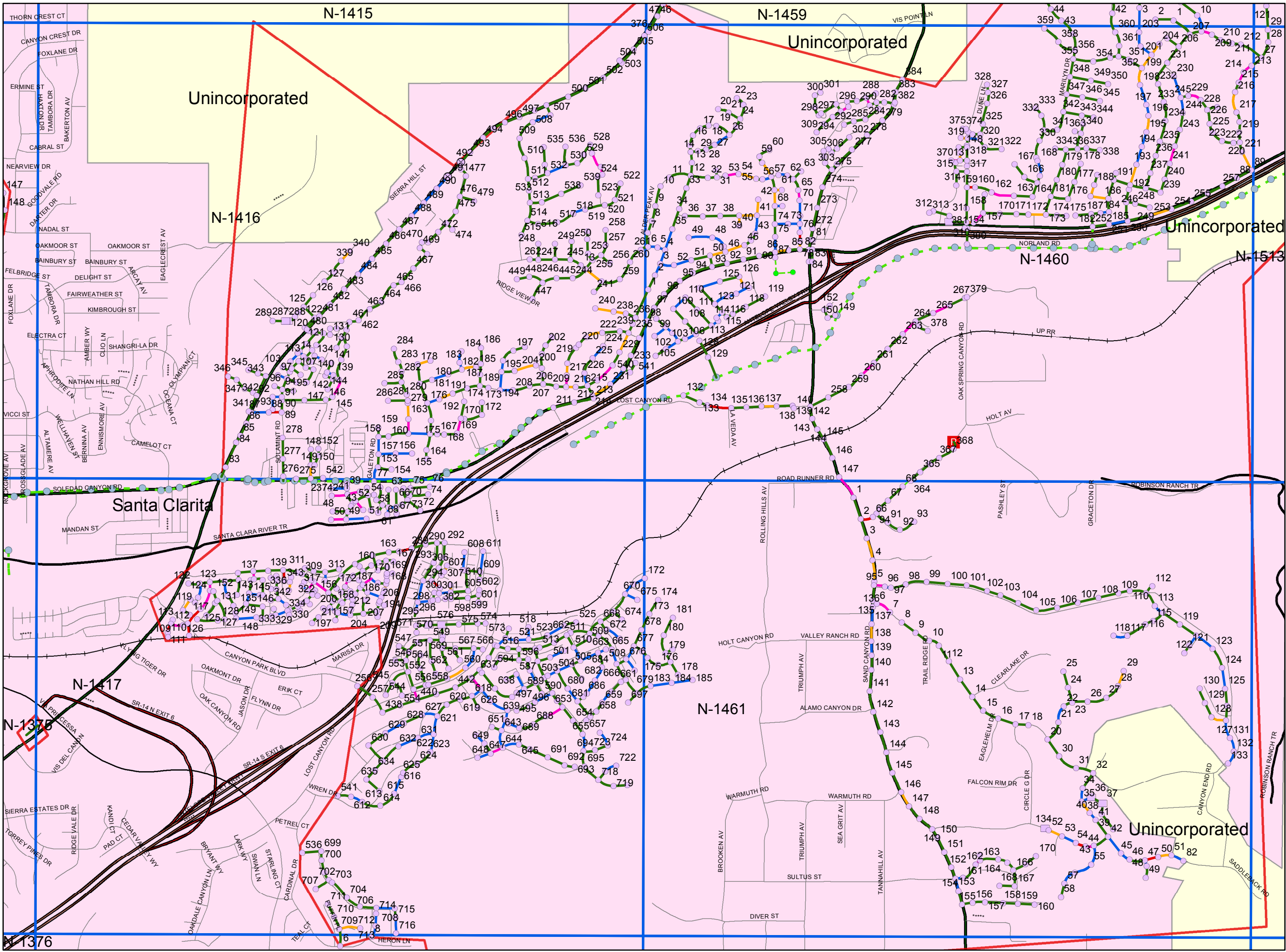
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June 2018



June 2018

ENCLOSURE 2
HIGH WATER LEVEL
SANTA CLARITA (Y0TV1314A1)
as of 05/28/2014

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
1	514G	1417-0125	1417-0115	FAHREN LN	Camera Under Water: 80'-312'; debris	Hydrojet
2	514B	1374-0282	1374-0283	DELIGHT ST	Camera Under Water: 100'-243'; debris	Hydrojet
3	512H	1374-0253	1374-0254	ROSAMOND DR	Water Mark 90%	No action needed
4	4D11	SOUTH	1336-0028	CORNHILL RD	Camera Under Water: 5'-137'; debris	Hydrojet
5	4C00	1335-0049	1335-0043	EASEMENT	Camera Under Water: 140'-256'; debris	Hydrojet
6	4800	1296-0541	1296-0490	SHEFFIELD LN	Camera Under Water: 190'-285'; debris	Hydrojet
7	4800	1513-0015	1513-0014	SOLEDAD CANYON RD	Camera Under Water: 250'-335'; debris	Hydrojet
8	5241	1332-0279	1332-0278	COPPER HILL DR	Water Mark 90%	No action needed
9	5200	1461-0066	1461-0002	COMET WY	Water Mark 75%	No action needed
10	5141	1332-0280	1332-0279	COPPER HILL DR	Water Mark 60%	No action needed
11	5131	1374-0035	1374-0287	EASEMENT	Water Level Sag 65%: 130'-162'; debris	Hydrojet
12	5100	1258-0074	1258-0075	EASEMENT	Water Level Sag 50%	Hydrojet
13	5100	1297-0028	1297-0788	LANGSTON ST	Water Mark 75%	No action needed
14	5100	1297-0031	1297-0030	LANGSTON ST	Water Level Sag 40%-50%; debris	Hydrojet
15	5100	1297-0780	1297-0781	ORCHARD VILLAGE	Water Level Sag 50%; debris	Hydrojet
16	5100	1332-0210	1332-0278	HASKELL CYN RD	Water Level Sag 50%: 134'-140'	Hydrojet
17	5100	1416-0089	1416-0088	DOLAN WY	Water Level Sag 50%: 140'-190'; debris	Hydrojet
18	5100	1417-0115	1417-0110	EASEMENT	Camera Under Water; debris	Hydrojet
19	5100	1417-0289	1417-0163	JAKES WY	Water Mark 75%	No action needed
20	5100	1417-0302	1417-0303	LYNNE CT	Water Level Sag 50%	No action needed
21	5100	1417-0343	1417-0153	ALLEY	Water Mark 80%	No action needed
22	5100	1460-0135	1460-0134	LOST CANYON RD	Camera Under Water: 163'-220'	Hydrojet
23	4900	1296-0543	1296-0542	SHEFFIELD LN	Camera Under Water: 229'-278'; debris	Hydrojet
24	4900	1296-0551	1296-0542	EASEMENT	Water Level Sag 50% & Camera Under Water: 80'-111	Hydrojet
25	4800	1297-0023	1297-0024	LANGSTON ST	Camera Under Water: 80'-225'; debris	Hydrojet
26	4721	1417-0124	1417-0125	FAHREN LN	Water Level Sag 50%-100%; debris	Hydrojet
27	4700	1296-0494	1296-0497	ARROYO PARK DR	Water Level Sag 50%-100%; debris	Hydrojet
28	4633	1374-0215	1374-0282	DELIGHT ST	High water level	No action needed
29	4500	1258-0010	1258-0009	EASEMENT	Water Level Sag 60%-100%; debris	Hydrojet
30	4421	SOUTH	1336-0029	CORNHILL RD	Camera Under Water: 229'-249'	Hydrojet
31	4400	1417-0140	1417-0138	ROCK ROSE LN	Camera Under Water: 20'-50'; debris	Hydrojet
32	4300	1296-0416	1296-0417	VIA DELICIA	Camera Under Water: 190'-224'	Hydrojet
33	4300	1332-0330	1332-0329	HIDDEN HILLS DR	Camera Under Water: 150'-190'; debris	Hydrojet
34	4221	1333-0535	1373-0047	BOUQUET CANYON RD	Water Level Sag 50%-100%; debris	Hydrojet
35	4221	1417-0554	1417-0440	LOST CANYON RD	Camera Under Water: 80'-130'; debris	Hydrojet
36	4211	1374-0170	1374-0169	NADAL ST	Camera Under Water: 29'-40'; debris	Hydrojet

ENCLOSURE 2
HIGH WATER LEVEL
SANTA CLARITA (Y0TV1314A1)
as of 05/28/2014

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
37	4200	1293-0142	1293-0141	MC BEAN PKWY	Water Level Sag 50%-65%; debris	Hydrojet
38	4200	1297-0099	1297-0100	TOURNAMENT RD	Water Level Sag 50%-100%	Hydrojet
39	4121	1333-0260	1333-0262	RAINDANCE PL	Water Level Sag 70%	Hydrojet
40	4121	1416-0170	1416-0169	PARK MEADOW DR	Water Level Sag 50%	Hydrojet
41	4112	1297-0228	1297-0227	EASEMENT	Water Mark 50%	No action needed
42	4111	1294-0660	1294-0661	SWEETWATER LN	Water Mark 50%	No action needed
43	4111	1460-0264	1460-0263	LOST CANYON RD	Water Mark 60%	No action needed
44	4111	1461-0007	1461-0006	LIVE OAK SPR CYN RD	Water Mark 50%	No action needed
45	4100	1257-0050	1257-0049	EMERALD COVE DR	Water Mark 55%	No action needed
46	4100	1257-0284	1257-0283	ROCKWELL CYN RD	Water Mark 55%	No action needed
47	4100	1293-0141	1294-0583	MCBEAN PKWY	Water Mark 50%	No action needed
48	4100	1293-0148	1293-0147	COPPER HILL DR	Water Mark 50%	No action needed
49	4100	1294-0596	1294-0595	COLDSPRINGS PL	Water Mark 50%	No action needed
50	4100	1294-0767	1294-0766	MCBEAN PKWY	Water Mark 50%	No action needed
51	4100	1295-0403	1295-TRUNK	CINEMA DR	Water Mark 50%	No action needed
52	4100	1296-0155	1296-0156	BOUQUET CYN RD	Water Mark 60%	No action needed
53	4100	1296-0157	1296-0155	BOUQUET CYN RD	Water Mark 55%	No action needed
54	4100	1296-0159	1296-0158	BOUQUET CYN RD	Water Mark 50%	No action needed
55	4100	1296-0160	1296-0159	BOUQUET CYN RD	Water Mark 50%	No action needed
56	4100	1296-0380	1297-0002	MATEL RD	Water Level Sag 50%-100%; debris	Hydrojet
57	4100	1296-0392	1296-0391	EASEMENT	Water Level Sag 50%: 326'-347'; debris	Hydrojet
58	4100	1296-0544	1296-0543	SHEFFIELD LN	Water Level Sag 60%-100%: 233'-246'; debris	Hydrojet
59	4100	1296-0550	1296-0551	DEVONSHIRE CT	Water Level Sag 60%: 0'-45'	Hydrojet
60	4100	1297-0029	1297-0028	LANGSTON ST	Camera Under Water: 0'; debris	Hydrojet
61	4100	1297-0030	1297-0029	LANGSTON ST	Water Mark 55%	No action needed
62	4100	1297-0785	1297-0781	ORCHARD VILLAGE	Water Level Sag 50%	Hydrojet
63	4100	1332-0361	1332-0360	HIGH SIERRA TR	Water Mark 50%	No action needed
64	4100	1333-0208	1333-0209	ANNETTE JO CR	Water Mark 50%	No action needed
65	4100	1333-0245	1333-0244	BOUQUET CANYON RD	Water Mark 50%	No action needed
66	4100	1333-0451	1333-0450	ALTENA DR	Water Level Sag 50%-100%: 90'-187'	Hydrojet
67	4100	1416-0137	1416-0145	SUNDOWNDR WY	Water Mark 55%	No action needed
68	4100	1417-0123	1417-0124	FAHREN LN	Water Level Sag 65%; debris	Hydrojet
69	4100	1417-0156	1417-0310	SANDY DR	Water Mark 50%	No action needed
70	4100	1417-0188	1417-0187	SARA ST	Water Level Sag 50%-100% : 28'-45'	Hydrojet
71	4100	1417-0318	1417-0310	ANN'S CR	Water Mark 50%	No action needed
72	4100	1417-0617	1417-0443	WINTER PINE WY	Water Level Sag 50%-100% :244'-253'	Hydrojet

ENCLOSURE 2
HIGH WATER LEVEL
SANTA CLARITA (Y0TV1314A1)
as of 05/28/2014

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
73	4100	1460-0157	1460-0156	EASEMENT	Water Level Sag 50%-100% : 50'-162'; debris	Hydrojet
74	4100	1460-0163	1460-0162	ADA ST	Water Level Sag 50%; debris	Hydrojet
75	4100	1460-0261	1460-0260	LOST CANYON RD	Water Mark 50%	No action needed
76	4100	1460-0266	1460-0265	LOST CANYON RD	Water Level Sag 50%: 230'-300'; debris	Hydrojet
77	4100	1460-0370	1460-0369	ALLEY	Water Mark 50%	No action needed
78	4100	1461-0001	1460-0147	SAND CANYON RD	Water Level Sag 40%: 189'-230'	Hydrojet
79	4100	1461-0096	1461-0095	ROBINSON RANCH RD	Water Mark 50%	No action needed
80	4100	1461-0163	1461-0162	COTSWOLD DR	Water Mark 50%	No action needed
81	4100	1512-0105	1512-0104	FLORABUNDA RD	Water Mark 50%	No action needed
82	3111	1297-0289	1297-0290	SARDA RD	Camera Under Water: 250'-290'; debris	Hydrojet
83	3100	1460-0371	1460-0369	ALLEY	Water Mark 50%	No action needed

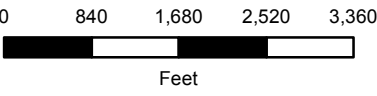
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

○ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

■ SMD Pump Stations

■ SMD Treatment Plants

— Trunk Sewerlines

— Non SMD Sanitary Sewers

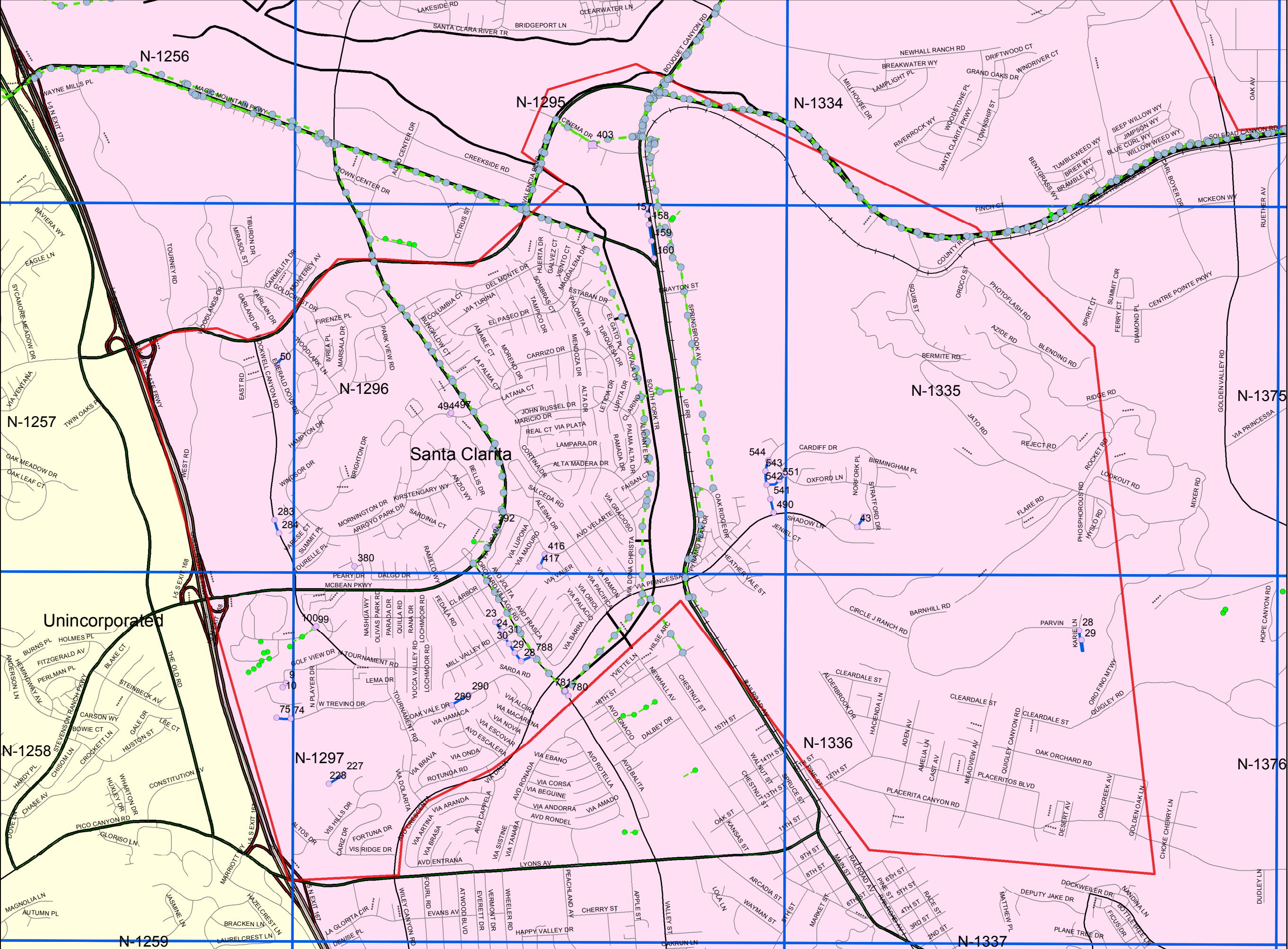
● Non SMD Maintained MH

■ SMD Operations Maps

■ CCTV PROJECT AREA

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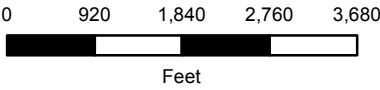
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

○ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

— Trunk Sewerlines

— Non SMD Sanitary Sewers

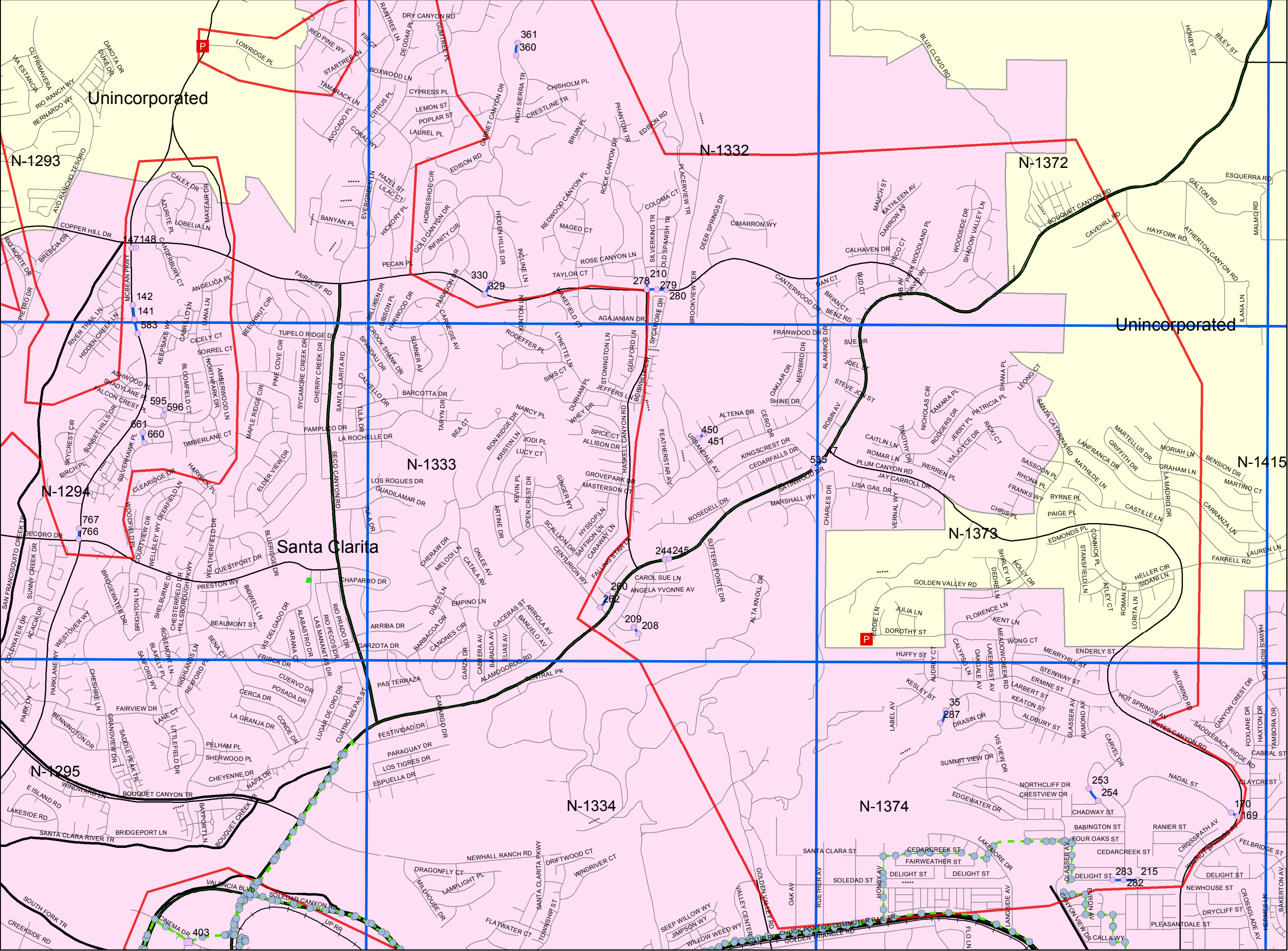
● Non SMD Maintained MH

Blue Outline SMD Operations Maps

Red Outline CCTV PROJECT AREA

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June 2018



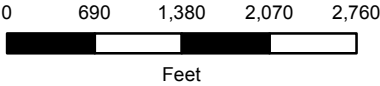
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

⬢ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

— Trunk Sewerlines

--- Non SMD Sanitary Sewers

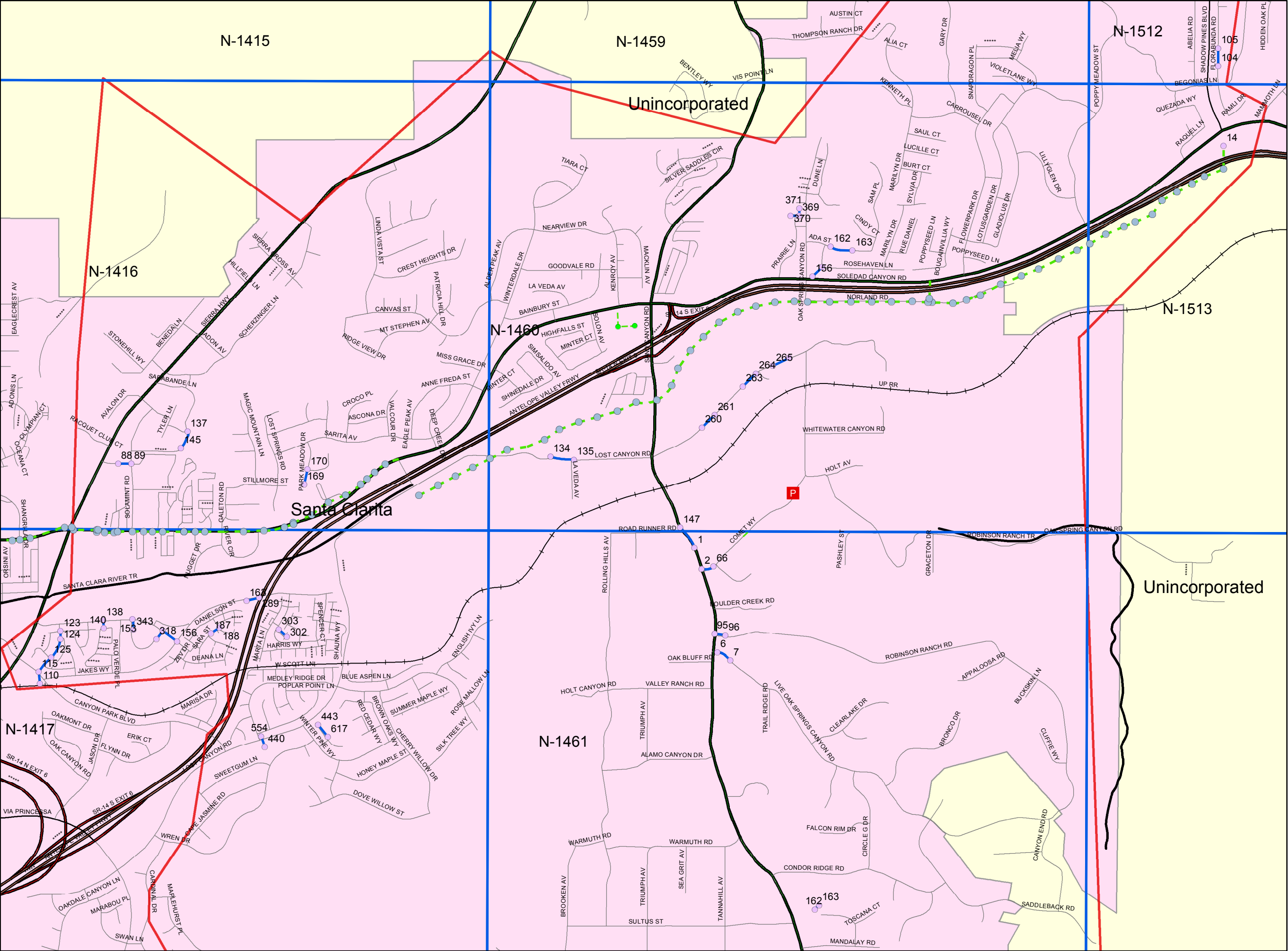
● Non SMD Maintained MH

Blue Outline SMD Operations Maps

Red Outline CCTV PROJECT AREA

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June 2018



ENCLOSURE 2
INFILTRATION
SANTA CLARITA (Y0TV1314A1)
as of 5/28/2014

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
1	4100	1294-0584	1294-0437	MCBEAN PKWY	Infiltration (runner): 328'	Infiltration is minimal. No action needed.
2	4100	1255-0199	1294-0914	CALADIUM PL	Infiltration (runner): 193'	Infiltration is minimal. No action needed.
3	3214	1374-0022	1374-0023	MEADOWCREEK RD	Infiltration (dripper): 316'	Infiltration is minimal. No action needed.
4	3123	1332-0420	1332-0421	AGAJANIAN DR	Infiltration (runner): 2', 338'	Infiltration is minimal. No action needed.
5	3122	1460-0058	1460-0057	KENROY AV	Infiltration (runner): 247'	Infiltration is minimal. No action needed.
6	3121	1333-0720	1333-0719	SYCAMORE DR	Infiltration (runner): 1'	Infiltration is minimal. No action needed.
7	3121	1294-0696	1294-0697	EASEMENT	Infiltration (runner): 221'	Infiltration is minimal. No action needed.
8	3121	1294-0697	1294-0698	EASEMENT	Infiltration (runner): 154'	Infiltration is minimal. No action needed.
9	3100	1332-0415	1332-0350	REDWOOD CYN PL	Infiltration (dripper): 240'	Infiltration is minimal. No action needed.
10	3100	1332-0355	1332-0354	WILLOW CYN CT	Infiltration (dripper): 159'	Infiltration is minimal. No action needed.
11	3100	1374-0243	1374-0242	CAMP PLENTY RD	Infiltration (dripper): 230'	Infiltration is minimal. No action needed.
12	3100	1332-0269	1332-0262	GARNET CYN DR	Infiltration (dripper): 45'	Infiltration is minimal. No action needed.

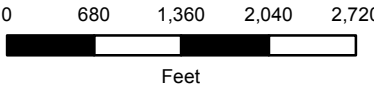
ENCLOSURE 2

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

INFILTRATION



Legend

INFILTRATION

SMD Manholes

Other

Manhole Type

Standard

DROP

Shallow

Trap

Siphon

SMD Pump Stations

SMD Treatment Plants

Trunk Sewerlines

Non SMD Sanitary Sewers

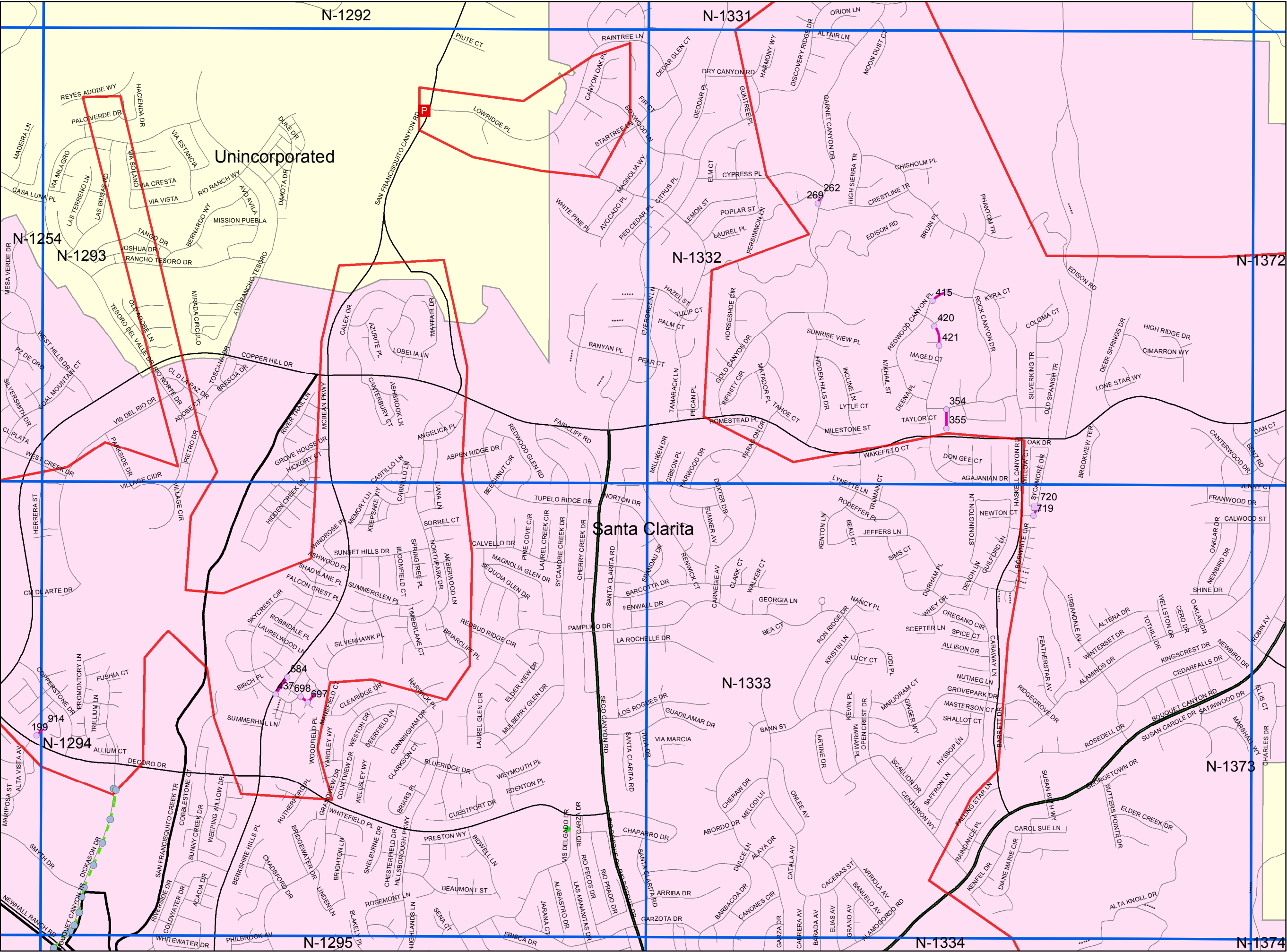
Non SMD Maintained MH

SMD Operations Maps

CCTV PROJECT AREA

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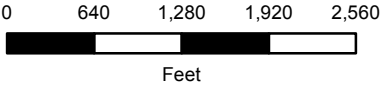
June 2018



ENCLOSURE 2
CCTV PROJECT
Y0TV1314A1

**CITY OF
SANTA CLARITA**

INFILTRATION

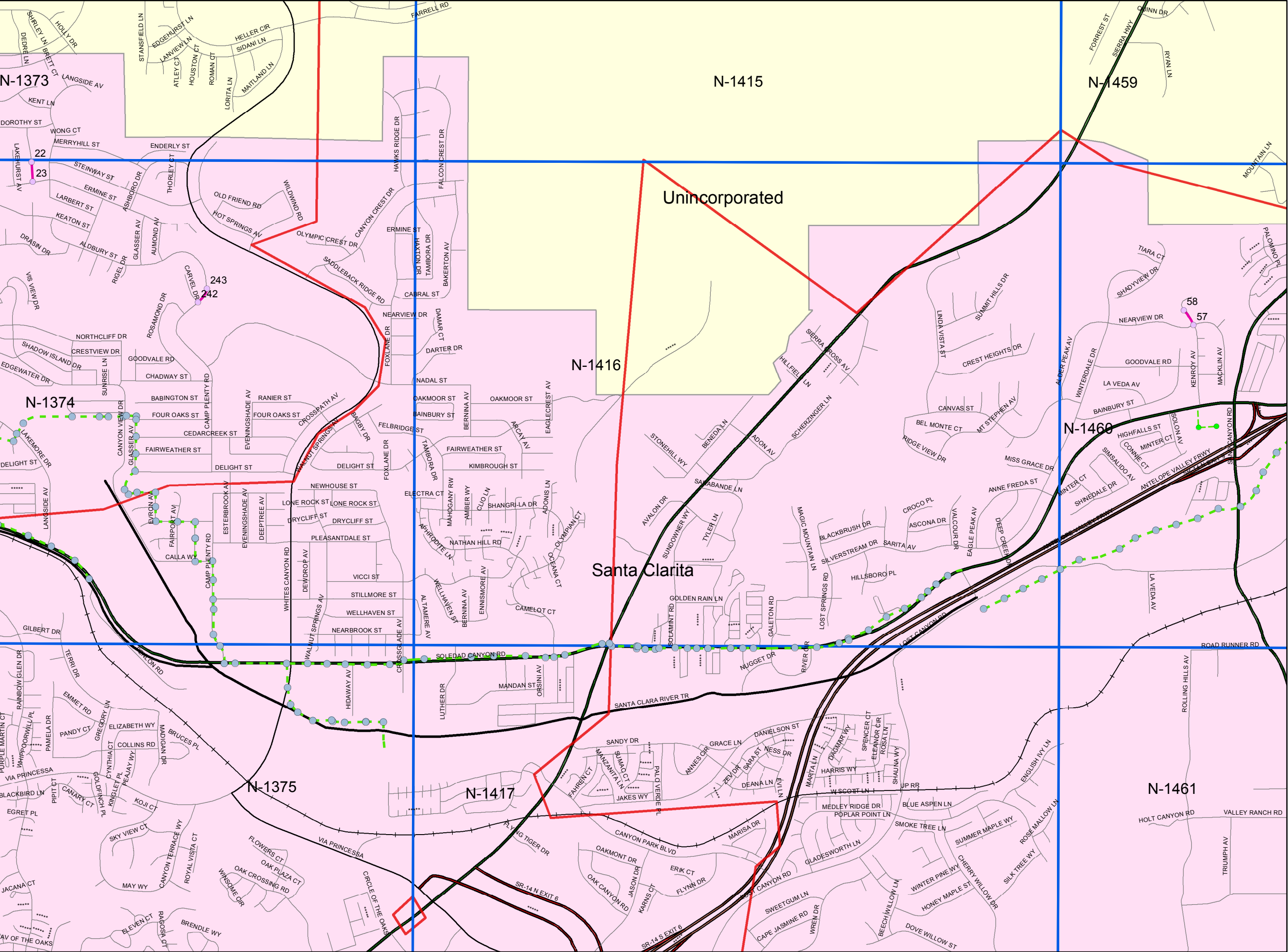


Legend

- INFILTRATION
- SMD Manholes**
 - Other
- Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations**
- SMD Treatment Plants**
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV PROJECT AREA

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June 2018





MARK PESTRELLA, 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}
{ADDRESS}

Dear Mr./Ms. {NAME}:

SEWER LATERAL ROOT INTRUSION {ADDRESS}

The County of Los Angeles Consolidated Sewer Maintenance District is responsible for the maintenance of the sanitary sewer system in your area. A camera inspection of the sewer mainline 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 to your property and/or those immediately upstream of your property. You are hereby requested to perform maintenance on the private sewer lateral serving the property located at {ADDRESS}.

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 (XXX) XXX-XXXX to arrange for authorization to access the downstream manhole.

Mr./Ms. {NAME}
{DATE}
Page 2

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 Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or keskridge@dpw.lacounty.gov.

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

Very truly yours,

MARK PESTRELLA
Director of Public Works

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

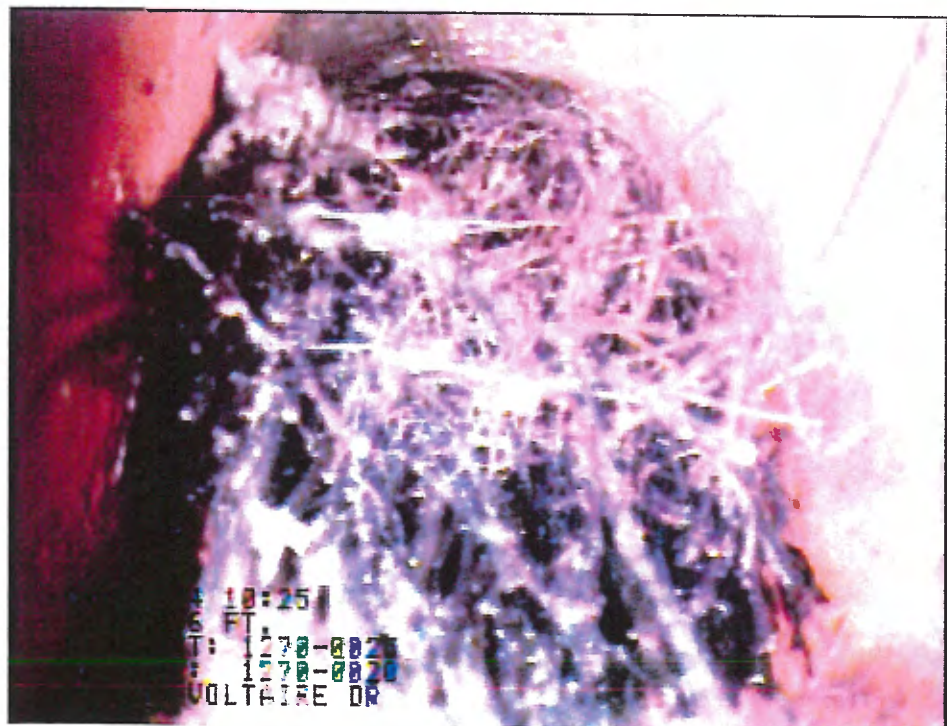
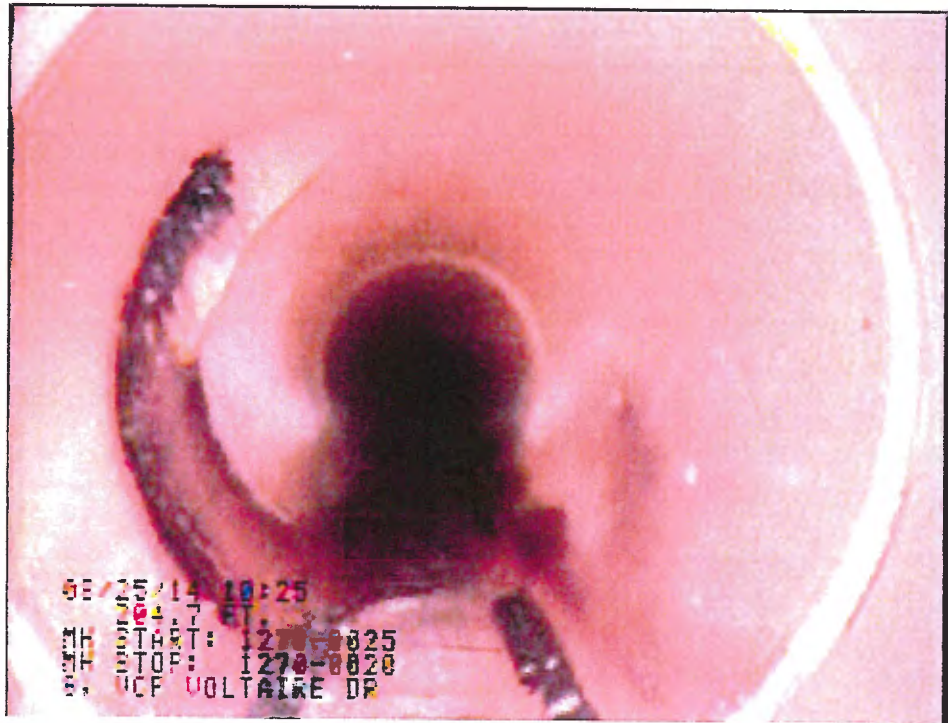
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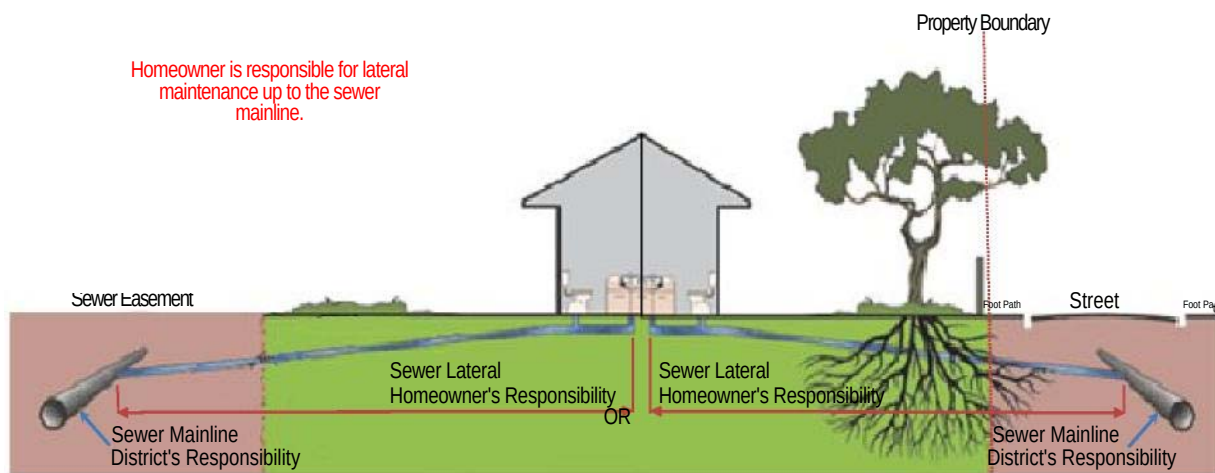
Roots at Lateral Connection



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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	1257-0047	1257-0048	SUNBIRD CT	Fracture multiple; Broken	Lining
2	1297-0210	1297-0209	CIELO CT	Fracture multiple; Broken	Lining
3	1333-0535	1373-0047	BOUQUET CANYON RD	Broken	Lining
4	1297-0035	1297-0036	NOVELA WY	Fracture multiple; Broken	Lining
5	1296-0638	1296-0640	REGENCY PARK CIR	Fracture multiple	Lining
6	1374-0129	1374-0130	OLD FRIEND RD	Fracture multiple; Broken	Point repair; Lining
7	1297-0295	1297-0289	EASEMENT	Fracture multiple; Broken	Lining
8	1297-0211	1297-0212	BRAGANCA CT	Fracture multiple; Broken	Lining
9	1297-0281	1297-0282	EASEMENT	Fracture multiple	Lining
10	1294-0761	1294-0762	DICKASON DR	Fracture multiple	Lining
11	1296-0145	1296-0144	EASEMENT	Broken	Lining
12	1373-0006	1373-0157	HUFFY ST	No structural deficiencies	No action needed*
13	1297-0784	1297-0783	WILEY CANYON RD	Fracture multiple	Lining
14	1459-0006	1459-0004	ALLEY	Fracture multiple; Hole	Lining
15	1297-0027	1297-0029	KESTRAL DR	Fracture multiple; Broken	Lining
16	1460-0310	1460-0155	SOLEDAD CYN RD	Hole; Broken	Lining
17	1416-0153	1417-0077	GALETON RD	Fracture multiple	Point repair; Lining
18	1372-0016	1372-0015	ALAMINOS DR	Fracture multiple; Broken	Lining
19	1297-0330	1297-0329	SARDA RD	Fracture multiple; Broken	Lining
20	1296-0531	1296-0530	ALLEY	Fracture multiple; Broken	Lining
21	1297-0206	1297-0205	OAK VALE DR	Fracture multiple; Broken	Lining
22	1374-0137	1374-0136	HOT SPRINGS AVE	Fracture multiple	Lining
23	1297-0026	1297-0030	INDIAN WELLS CIR	Fracture multiple; Broken	Lining
24	1296-0714	1296-0002	VALENCIA BLVD	Broken	No action needed*
25	1374-0290	1374-0291	EASEMENT	Fracture multiple; Broken	Point repair

*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
26	1460-0054	1460-0055	NEARVIEW DR	Fracture multiple; Broken	Lining
27	1417-0557	1417-0554	GLADESWORTH LN	Fracture multiple	Lining
28	1296-0472	1296-0473	VIA FLORED	Fracture multiple	Lining
29	1296-0792	1296-0798	DEL MONTE DR	Fracture multiple; Broken	Point repair
30	1296-0688	1296-0687	IVREA AV	Fracture multiple; Broken	Lining
31	1296-0708	1296-0709	VALENCIA BV	Broken	Point repair
32	1513-0004	1513-0005	BEGONIAS LN	Fracture multiple; Broken	Lining
33	1293-0333	1293-0099	EASEMENT	Fractures	No action needed*
34	1373-0155	1374-0011	HAYCREEK AVE	Hole; Broken	No action needed*
35	1333-0559	1333-0558	BOUQUET CANYON RD	Hole	No action needed*
36	1417-0160	1417-0159	JAKES WY	Fracture multiple	No action needed*
37	1294-0458	1294-0457	PVT DRWY & FIRE LN	Fracture multiple	No action needed*
38	1297-0044	1297-0043	OLD COURSE WY	Fracture multiple	Lining
39	1333-0232	1333-0231	KENFEL DR	Hole	No action needed*
40	1374-0037	1374-0036	PINE HILLS AVE	Fracture multiple	No action needed*
41	1296-0776	1296-0725	CHISWICK CT	Fractures	No action needed*
42	1331-0008	1331-0007	DISCOVERY RIDGE DR	No structural deficiencies	No action needed*
43	1332-0415	1332-0350	REDWOOD CYN PL	Hole	Lining
44	1373-0071	1373-0070	VERNAL WY	Hole	Lining
45	1374-0132	1374-0133	WILDWIND RD	Fractures	No action needed*
46	1374-0212	1374-0213	DELIGHT ST	Broken	No action needed*
47	1460-0308	1460-0275	SILVER SADDLES CR	Broken	No action needed*
48	1332-0222	1332-0221	ROSE CANYON LN	Fractures	Lining
49	1374-0063	1374-0062	LANGSIDE AVE	Hole at base of Manhole	MH base repair
50	1374-0082	1374-0081	ERMINE ST	Hole at base of Manhole	MH base repair

*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
51	1373-0151	1374-0018	OAKGALE AVE	Fractures	Lining
52	1461-0135	1461-0095	SAND CANYON RD	Broken	No action needed*
53	1336-0003	1336-0129	CIRCLE J RANCH RD	Fracture multiple; Broken	Point repair
54	1335-0076	1335-0075	CARDIFF DR	No structural deficiencies	No action needed*
55	1297-0042	1297-0043	OLD COURSE WY	Fracture multiple; Broken	Lining
56	1296-0669	1296-0670	WOODLARK LN	Fracture multiple	Lining
57	1296-0671	1296-0670	LORIKEET LN	Fracture multiple; Broken	Lining
58	1461-0024	1461-0023	EASEMENT	Hole	No action needed*
59	1417-0125	1417-0115	FAHREN LN	Fracture multiple	Lining
60	1296-0679	1296-0682	EMERALD DOVE DR	Fracture multiple	No action needed*
61	1297-0289	1297-0290	SARDA RD	No structural deficiencies	No action needed*
62	1297-0297	1297-0296	VIA HAMACA	Fracture multiple	Lining
63	1373-0017	1373-0021	SUE DR	No structural deficiencies	No action needed*
64	1257-0044	1296-0682	MISTLETOE CT	Fracture multiple	No action needed*
65	1296-0161	1296-0160	RAILROAD AV	No structural deficiencies	No action needed*
66	1336-SOUTH	1336-0028	CORNHILL RD	No structural deficiencies	No action needed*
67	1296-0620	1296-0618	VERSAILLES AV	Fracture multiple	Lining
68	1297-0031	1297-0030	LANGSTON ST	No structural deficiencies	No action needed*
69	1417-0136	1417-0132	SUMAC CT	No structural deficiencies	No action needed*
70	1460-0266	1460-0265	LOST CANYON RD	Fractures	No action needed*
71	1513-0015	1513-0014	SOLEDAD CANYON RD	No structural deficiencies	No action needed*
72	1417-0301	1417-0302	LYNNE CT	No structural deficiencies	No action needed*
73	1296-0499	1296-0498	EASEMENT	No structural deficiencies	No action needed*
74	1417-0124	1417-0125	FAHREN LN	Fractures	No action needed*
75	1373-0018	1373-0017	ROBIN AVE	Fractures	No action needed*

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ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
76	1258-0010	1258-0009	EASEMENT	No structural deficiencies	No action needed*
77	1294-0473	1294-0472	EASEMENT	No structural deficiencies	No action needed*
78	1374-0130	1374-0131	OLD FRIEND RD	No structural deficiencies	No action needed*
79	1296-0543	1296-0542	SHEFFIELD LN	No structural deficiencies	No action needed*
80	1296-0664	1296-0665	WOODLARK LN	Fractures	No action needed*
81	1297-0205	1297-0204	OAK VALE DR	Fractures	No action needed*
82	1297-0014	1297-0015	EASEMENT	No structural deficiencies	No action needed*
83	1297-0313	1297-0312	VIA ESCOVAR	Fracture multiple	No action needed*
84	1297-0817	1297-0818	VIA PALACIO	Fracture multiple	No action needed*
85	1296-0674	1296-0672	LORIKEET LN	Fractures; Broken	No action needed*
86	1296-0063	1296-0062	LA VITA CT	Fracture multiple	Lining
87	1297-0022	1297-0023	GAVEA CT	Fractures	No action needed*
88	1296-0067	1296-0068	HUERTA DR	Fractures	No action needed*
89	1373-0102	1373-0103	CAITLIN LN	No structural deficiencies	No action needed*
90	1374-0052	1374-0058	EASEMENT	Fractures; Broken	No action needed*
91	1297-0350	1297-0349	ROTUNDA RD	Fracture multiple	No action needed*
92	1296-0504	1296-0509	EASEMENT	Fractures	No action needed*
93	1416-0194	1416-0208	SARITA AV	No structural deficiencies	No action needed*
94	1296-0475	1296-0474	VIA DONA CHRISTA	Fracture multiple	Lining
95	1417-0439	1417-0438	LOST CANYON RD	Fracture multiple	Lining
96	1294-0565	1294-0557	SUNSET HILLS DR	Fractures	No action needed*
97	1333-0720	1333-0719	SYCAMORE DR	No structural deficiencies	No action needed*
98	1297-0193	1297-0194	HOGAN DR	Fractures	No action needed*
99	1460-0039	1460-0041	GOODVALE RD	Fractures	No action needed*
100	1512-0091	1512-0094	WISTARIA VALLEY RD	Fracture multiple; Broken	Point repair; Lining

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ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
101	1374-0035	1374-0287	EASEMENT	No structural deficiencies	No action needed*
102	1374-0170	1374-0169	NADAL ST	No structural deficiencies	No action needed*
103	1460-0341	1460-0331	MARILYN DR	Fracture multiple	Lining
104	1417-0446	1417-0445	LOST CANYON RD	No structural deficiencies	No action needed*
105	1297-0785	1297-0781	ORCHARD VILLAGE	Fractures	No action needed*
106	1296-0245	1296-0244	ARROYO PARK DR	Fractures	No action needed*
107	1296-0544	1296-0543	SHEFFIELD LN	Fractures	No action needed*
108	1294-0549	1294-0550	LAURELWOOD LN	Fracture multiple	Lining
109	1460-0209	1460-0208	LOTUSGARDEN DR	Fracture multiple	Lining
110	1416-0182	1416-0181	BLACKRUSH DR	Fractures	No action needed*
111	1460-0354	1460-0355	CARROUSEL DR	Fracture multiple	Lining
112	1297-0331	1297-0330	SARDA RD	Fracture multiple	Lining
113	1297-0028	1297-0788	LANGSTON ST	Fractures	No action needed*
114	1297-0228	1297-0227	EASEMENT	Fractures	No action needed*
115	1416-0185	1416-0182	BLACKRUSH DR	Fracture multiple	Lining
116	1296-0593	1296-0591	EASEMENT	Fracture multiple	Lining
117	1373-0225	1373-0229	EASEMENT	Fracture multiple	Lining
118	1296-0155	1296-0156	BOUQUET CYN RD	Fractures	No action needed*
119	1512-0063	1512-0061	GARDEN OF MUMS PL	Fracture multiple	No action needed*
120	1460-0184	1460-0183	ROSEHAVEN LN	Fractures	No action needed*
121	1461-0021	1461-0020	BRONCO DR	No structural deficiencies	No action needed*
122	1460-0366	1460-0367	COMET WY	Fracture multiple	Lining
123	1297-0308	1297-0309	VIA ONDA	Fractures	No action needed*
124	1297-0134	1297-0133	RAOBROON PL	Fractures	No action needed*
125	1297-0283	1297-0282	TOURNAMENT RD	Fractures	No action needed*

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QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
126	1294-0763	1294-0757	CORNERSTONE WY	Fracture multiple	Lining
127	1332-0232	1332-0231	ROCK CANYON DR	No structural deficiencies	No action needed*
128	1417-0685	1417-0684	MONTEREY PINES LN	No structural deficiencies	No action needed*
129	1417-0189	1417-0188	ALLEY	Fractures	No action needed*
130	1296-0315	1296-0316	SALCEDA RD	Fracture multiple	No action needed*
131	1374-0015	1374-0014	ERMINE ST	Fracture multiple	Lining
132	1296-0625	1296-0588	EASEMENT	Fracture multiple	No action needed*
133	1293-0150	1293-0149	GRANITE CT	Fractures	No action needed*
134	1374-0206	1374-0207	CROSSPATH AVE	Fracture multiple	Lining
135	1459-0009	1459-0010	RHODODENDRON DR	Fracture multiple	No action needed*
136	1296-0354	1296-0353	SERENA DR	Fractures	No action needed*
137	1296-0059	1296-0058	VIA RAZA	Fracture multiple	Lining:
138	1296-0609	1296-0610	TOURELLE DR	Fracture multiple	No action needed*
139	1296-0384	1297-0007	GALANTE WY	Fracture multiple	No action needed*
140	1296-0616	1296-0617	EASEMENT	Fracture multiple	Lining
141	1296-0722	1296-0723	DEL MONTE DR	Fractures	No action needed*
142	1297-0287	1297-0288	VIA CANDELA	Fracture multiple	No action needed*
143	1296-0715	1296-0683	CHIFF CHAFF CT	Fractures	No action needed*
144	1296-0621	1296-0585	EASEMENT	Fracture multiple	No action needed*
145	1297-0237	1297-0236	VIA PALADAR	Fractures	No action needed*
146	1296-0372	1296-0370	ALICANTE DR	Fracture multiple	No action needed*
147	1333-0234	1333-0233	BOUQUET CANYON RD	Fracture multiple	Lining
148	1333-0221	1333-0229	CAROL SUE LN	Fracture multiple	No action needed*
149	1417-0163	1417-0162	JAKES WY	Fracture multiple	No action needed*
150	1332-0240	1332-0239	SYCAMORE DR	Fracture multiple	No action needed*

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CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
151	1296-0345	1296-0346	PASEO LAURO CT	Fracture multiple	Lining
152	1374-0218	1374-0217	FAIRWEATHER ST	Fracture multiple	No action needed*
153	1297-0314	1297-0313	VIA ESCOVAR	Fractures	No action needed*
154	1372-0023	1372-0022	CROWN CT	Fracture multiple	No action needed*
155	1374-0303	1374-0302	DELIGHT ST	Fracture multiple	No action needed*
156	1460-0193	1460-0192	FLOWERPARK DR	Fracture multiple	No action needed*
157	1374-0085	1374-0087	GLASSER AVE	Fracture multiple	No action needed*
158	1417-0556	1417-0557	STERLING GROVE	Fractures	No action needed*
159	1416-0104	1416-0014	ALLEY	Fracture multiples	No action needed*
160	1417-0173	1417-0172	ALLEY	Fractures	Lining
161	1417-0184	1417-0180	ALLEY	Fractures	No action needed*
162	1335-0075	1335-0074	CARDIFF DR	Broken	Lining
163	1296-0043	1296-0038	EASEMENT	Fractures	No action needed*
164	1297-0300	1297-0302	PLAZA GAVILAN	Fractures	No action needed*
165	1336-0009	1336-0008	BARNHILL RD	Fractures	No action needed*
166	1297-0221	1297-0220	EASEMENT	Broken; Fractures	Lining
167	1293-0176	1293-0177	LOBELIA LN	Fractures	No action needed*
168	1293-0179	1293-0156	CALEX DR	Fracture multiple	Lining
169	1294-0629	1294-0633	TIMBERLANE DR	Fracture multiple	No action needed*
170	1293-0291	1293-0290	ALLEY	Fractures	Lining
171	1294-0558	1294-0557	GREYSTONE CT	Broken	No action needed*
172	1294-0751	1294-0753	EASEMENT	Fracture multiple	No action needed*
173	1332-0362	1332-0358	ROCK CYN DR	No structural deficiencies	No action needed*
174	1333-0492	1333-0493	WELLSTON DR	Fracture multiple	Lining
175	1373-0030	1373-0035	EASEMENT	Fracture multiple	No action needed*

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QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
176	1333-0573	1333-0565	ELDER CREEK DR	Fracture multiple	No action needed*
177	1333-0207	1333-0208	ANNETTE JO CR	Fractures	No action needed*
178	1333-0224	1333-0223	CAROL SUE LN	Fracture multiple	No action needed*
179	1374-0133	1374-0134	WILDWIND RD	Fractres	No action needed*
180	1333-0229	1333-0230	KENFEL DR	Fracture multiple	No action needed*
181	1374-0262	1374-0263	BABINGTON ST	Fracture multiple	Lining
182	1374-0251	1374-0240	EASEMENT	Fracture multiple	No action needed*
183	1512-0005	1512-0004	CALLA LILY CT	Fracture multiple	Lining
184	1512-0125	1512-0124	JULIANNE CT	Hole	Point repair
185	1460-0053	1460-0054	NEARVIEW DR	Fractures	No action needed*
186	1416-0198	1416-0197	CROCO PL	No structural deficiencies	No action needed*
187	1416-0195	1416-0194	CROCO PL	No structural deficiencies	No action needed*
188	1373-0149	1374-0022	MEADOWCREEK CT	Fracture multiple	No action needed*
189	1373-0150	1374-0021	LARKHURST AVE	Fracture multiple	No action needed*
190	1373-0157	1373-0156	HUFFY ST	Fracture multiple	Lining
191	1417-0705	1417-0704	MAPLEHURST PL	Fracture multiple; Broken	Point repair
192	1460-0280	1460-0279	SAN CANYON RD	Fracture multiple	No action needed*
193	1460-0273	1460-0272	SAND CANYON RD	Fractures	No action needed*
194	1336-0026	1336-0025	PARVIN DR	Fractures	No action needed*
195	1297-0792	1297-0793	VIA CLASICO	Fractures	No action needed*
196	1297-0806	1297-0817	VIA PALACIO	Fractures	No action needed*
197	1297-0816	1297-0817	VIA CHANTILLY	Fractures	No action needed*
198	1296-0322	1296-0323	RANCHO ADOBE RD	Fractures	No action needed*
199	1296-0423	1296-0425	VIA CALMA	Fractures	No action needed*
200	1296-0208	1296-0207	ADOLFO CT	Fractures	No action needed*

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QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
201	1296-0373	1296-0372	ALICANTE DR	Fractures	No action needed*
202	1296-0214	1296-0213	VIA PRIMERO	Fractures	No action needed*
203	1296-0446	1296-0361	EASEMENT	Fractures	No action needed*
204	1296-0086	1296-0072	EASEMENT	Fractures	No action needed*
205	1297-0271	1297-0272	VISTA HILLS DR	Fractures	No action needed*
206	1297-0272	1297-0273	VISTA HILLS DR	Fractures	No action needed*
207	1297-0315	1297-0314	VIA ESCOVAR	Fracture multiple	Lining
208	1297-0034	1297-0033	MEADOW MONT ST	Fractures	No action needed*
209	1296-0617	1296-0618	MATEL RD	Fractures	No action needed*
210	1297-0033	1297-0032	MEADOW MONT ST	Fractures	No action needed*
211	1296-0676	1296-0678	WOODLARK LN	Fractures	No action needed*
212	1297-0217	1297-0218	OAK VALE DR	Fractures	No action needed*
213	1296-0752	1296-0743	BRIGHTON DR	Fracture multiple	No action needed*
214	1257-0049	1257-0048	EMERALD COVE DR	Fractures	No action needed*
215	1296-0756	1296-0749	BRIGHTON DR	Fracture multiple	No action needed*
216	1374-0284	1374-0285	DELIGHT ST	Fractures	No action needed*
217	1296-0540	1296-0539	ALLEY	Fractures	No action needed*
218	1296-0713	1296-0714	VALENCIA BLVD	Fracture multiple	No action needed*
219	1296-0533	1296-0532	ALLEY	Fractures	No action needed*
220	1296-0591	1296-0590	EASEMENT	Fracture multiple	No action needed*
221	1296-0590	1296-0589	EASEMENT	Fractures	No action needed*
222	1296-0626	1296-0625	EASEMENT	No structural deficiencies	No action needed*
223	1296-0538	1296-0539	ALLEY	Fracture multiple	No action needed*
224	1297-0036	1297-0032	MILL VALLEY RD	Fractures	No action needed*
225	1297-0133	1297-0046	MILL VALLEY RD	Fracture multiple	Lining

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QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1314A1)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
226	1297-0046	1297-0043	MILL VALLEY RD	Fractures	No action needed*
227	1297-0219	1297-0218	TOURNAMENT RD	Fracture multiple	Lining
228	1296-0395	1296-0394	EASEMENT	Fracture multiple	No action needed*
229	1297-0280	1297-0281	EASEMENT	Fracture multiple	No action needed*
230	1336-SOUTH	1336-0029	CORNHILL RD	No structural deficiencies	No action needed*

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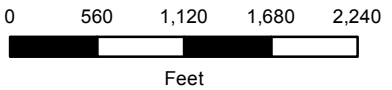
ENCLOSURE 3

CCTV PROJECT

Y0TV1314A1

CITY OF SANTA CLARITA

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

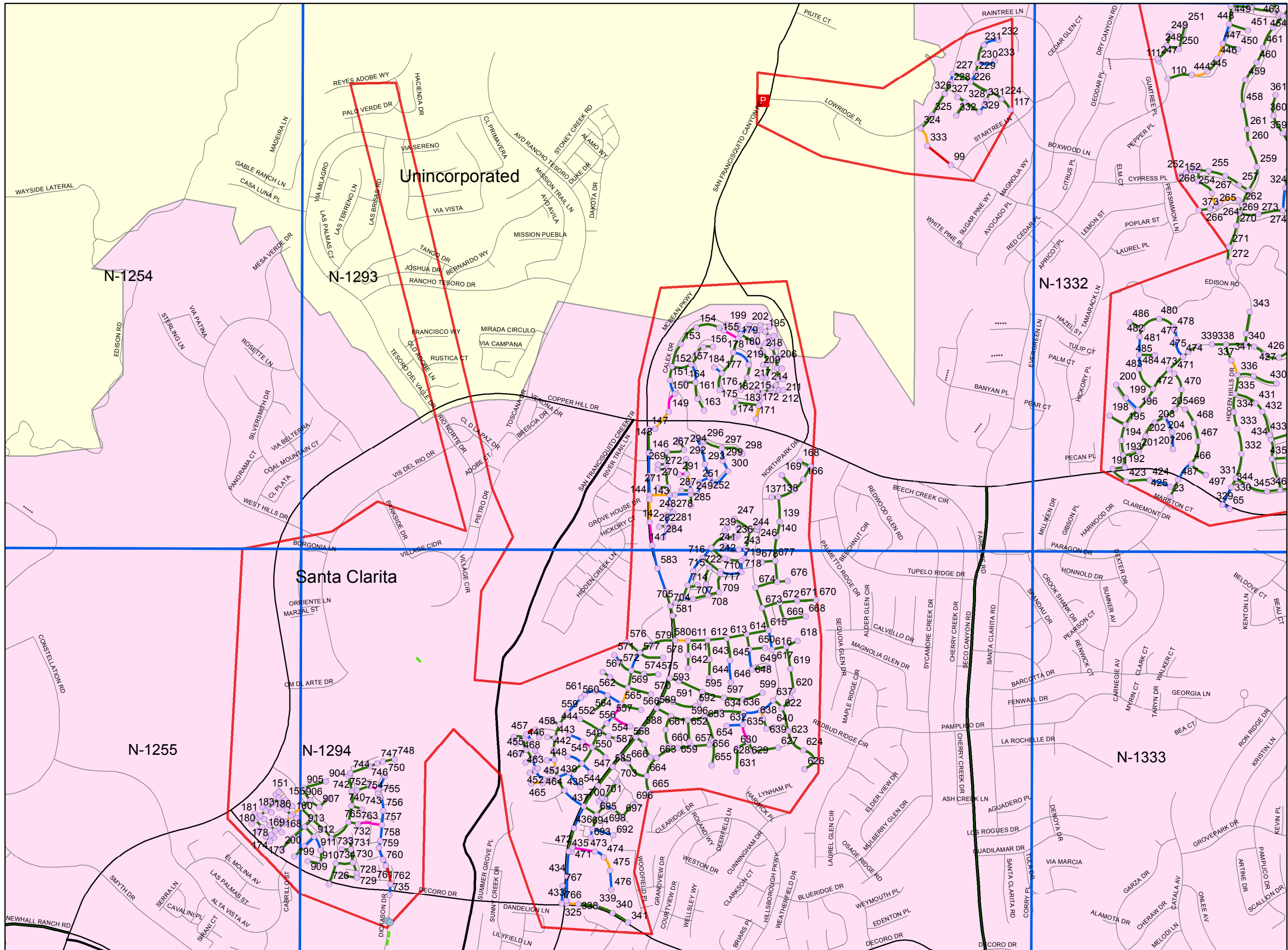
- Other

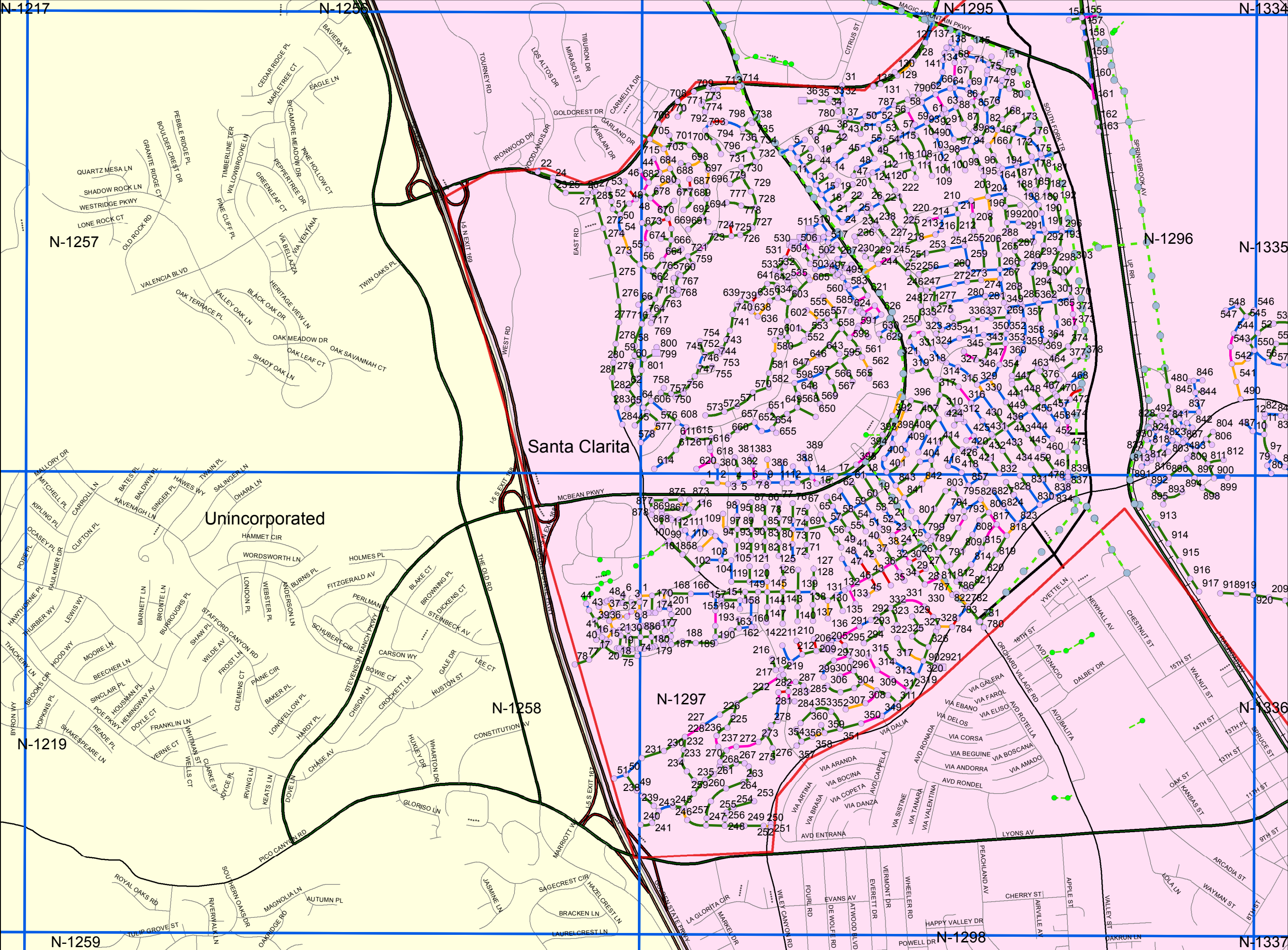
Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV Project Area

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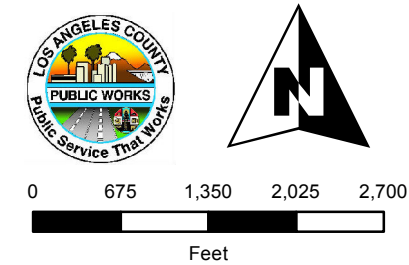
ENCLOSURE 3

CCTV PROJECT

Y0TV1314A1

**CITY OF
SANTA CLARITA**

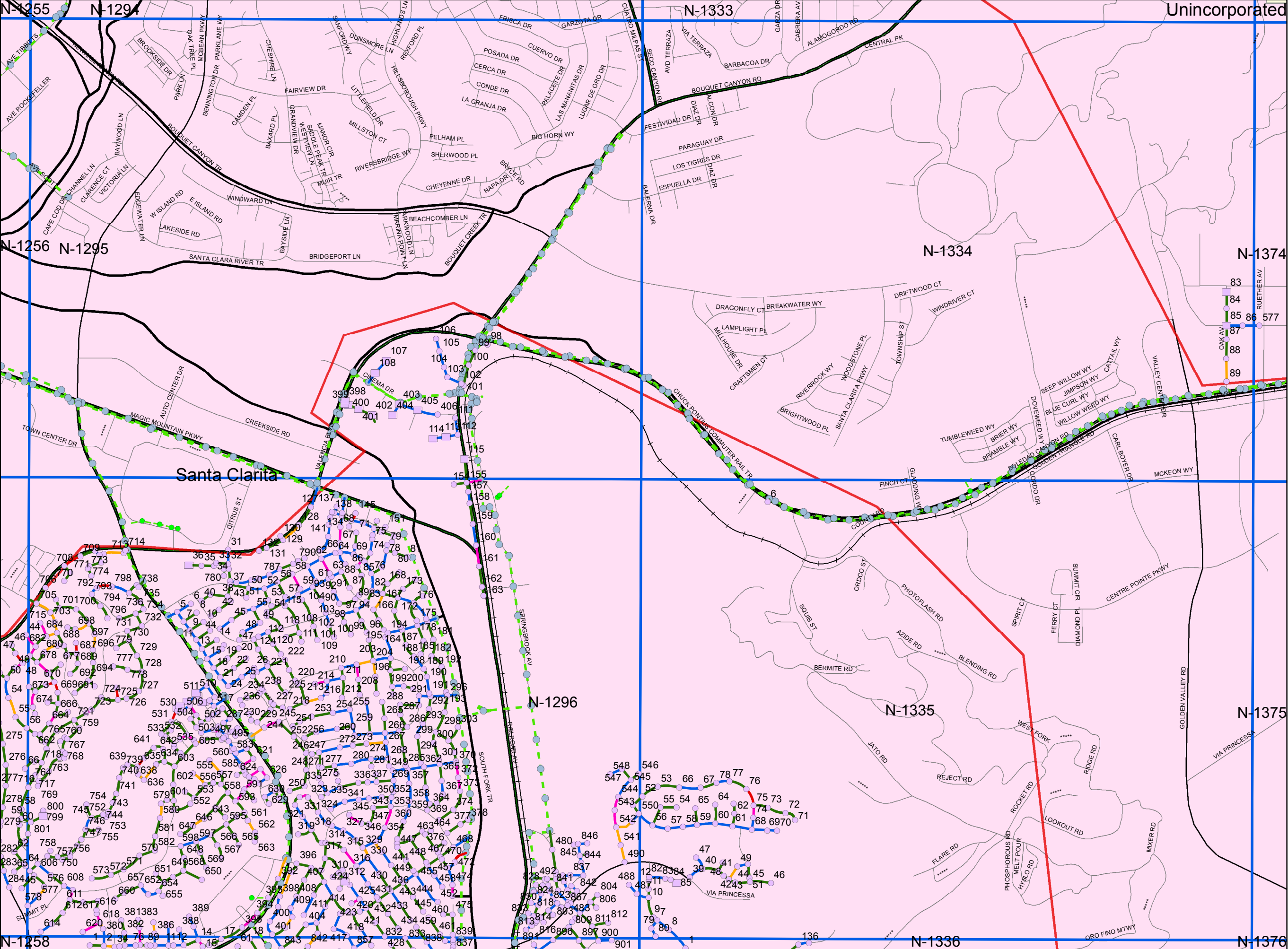
**QUICK
STRUCTURAL
RATING
(QSR)**



- 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**
- Trunk Sewerlines**
- Non SMD Sanitary Sewers**
- Non SMD Maintained MH**
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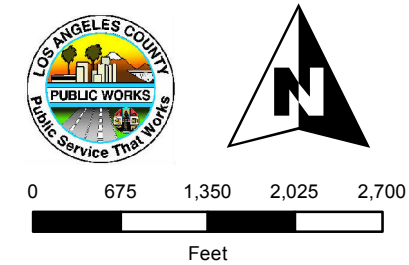
ENCLOSURE 3

CCTV PROJECT

Y0TV1314A1

CITY OF
SANTA CLARITA

QUICK
STRUCTURAL
RATING
(QSR)

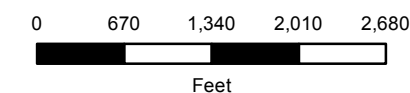


- Legend**
- SMD Sanitary Sewers**
- QSR**
- 1: MINOR
 - 2: MINOR TO MODERATE
 - 3: MODERATE
 - 4: SIGNIFICANT
 - 5: MOST SIGNIFICANT
- SMD Manholes**
- Other
- Manhole Type**
- Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations**
- SMD Pump Stations
- SMD Treatment Plants**
- SMD Treatment Plants
- Trunk Sewerlines**
- Trunk Sewerlines
- Non SMD Sanitary Sewers**
- Non SMD Sanitary Sewers
- Non SMD Maintained MH**
- Non SMD Maintained MH
- SMD Operations Maps**
- SMD Operations Maps
- CCTV Project Area**
- CCTV Project Area

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QUICK STRUCTURAL RATING (QSR)



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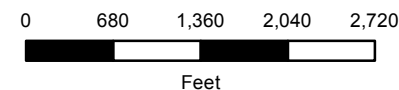
ENCLOSURE 3

CCTV PROJECT

Y0TV1314A1

CITY OF SANTA CLARITA

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

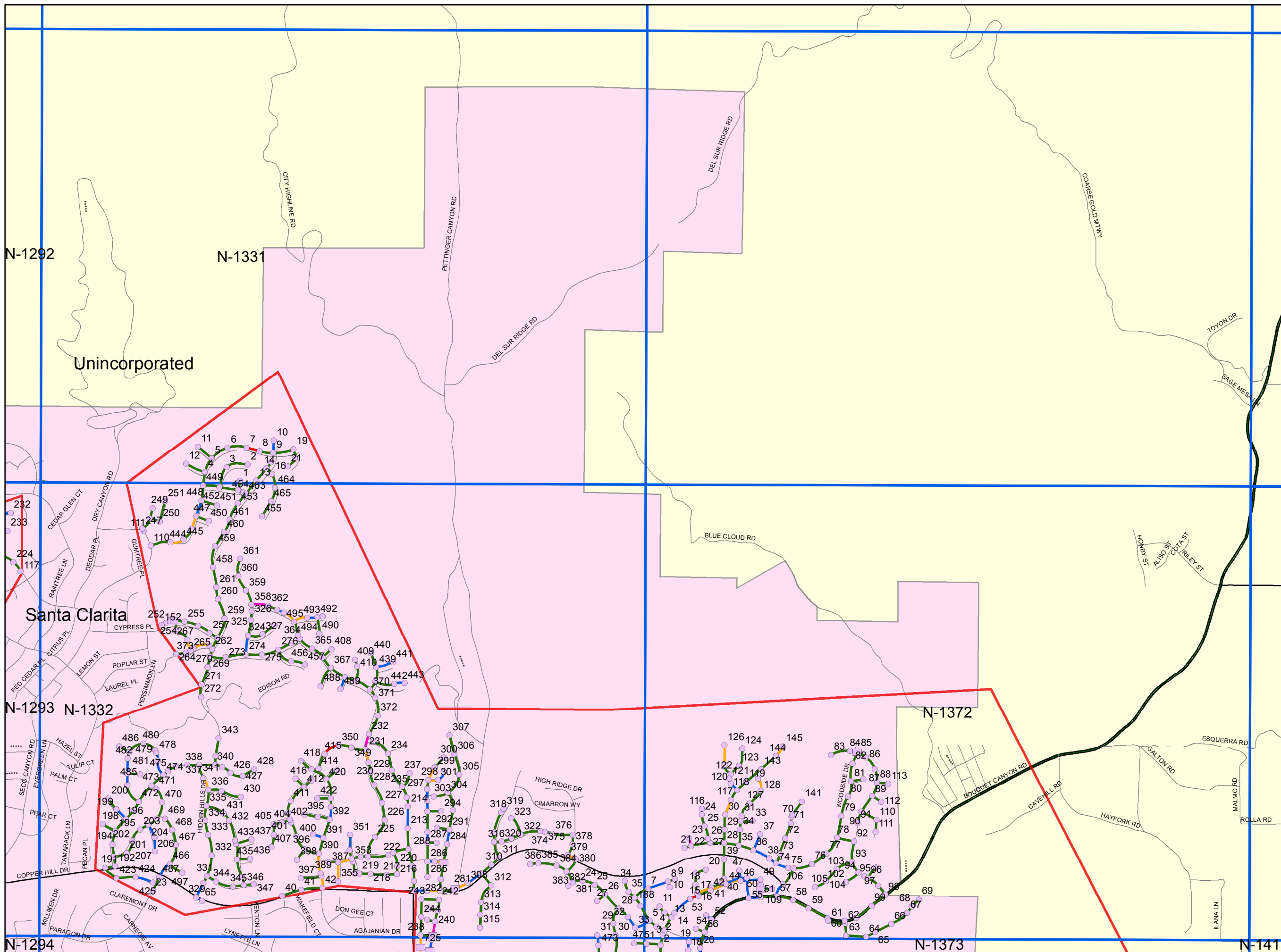
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH

- SMD Operations Maps

- CCTV Project Area

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June 2018



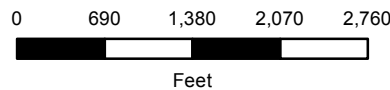
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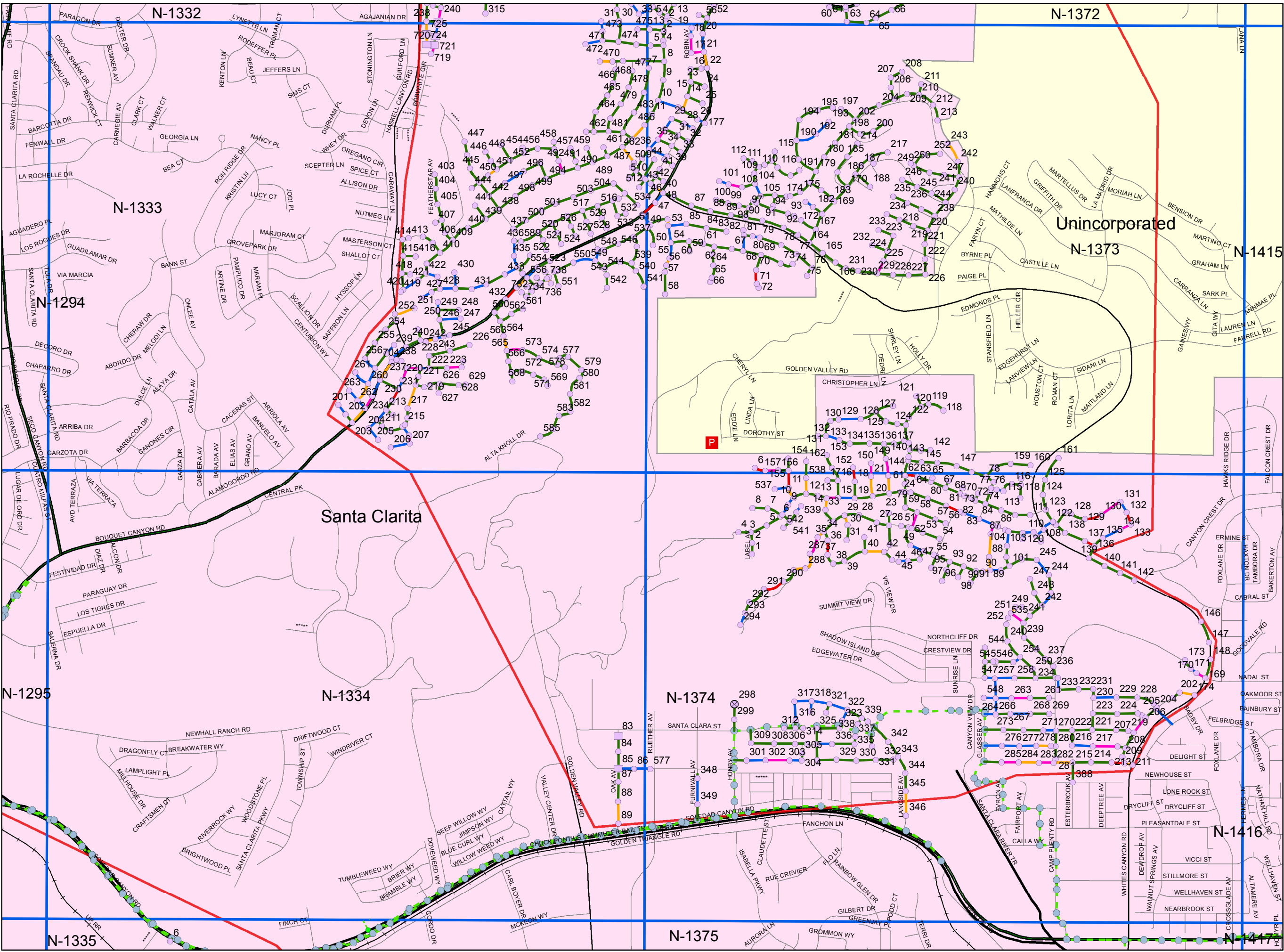
Manhole Type

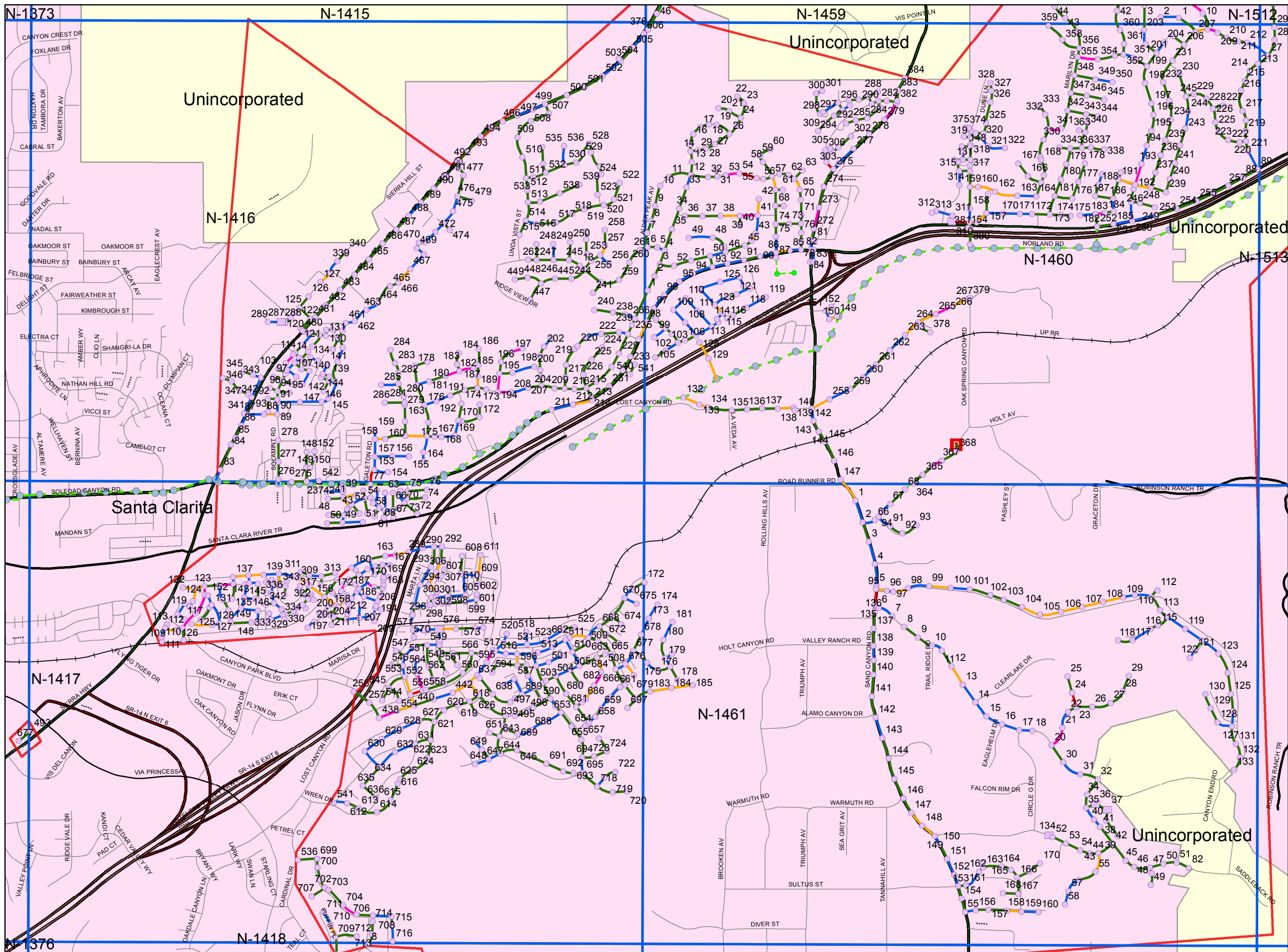
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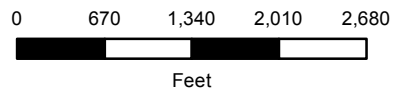
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CITY OF SANTA CLARITA

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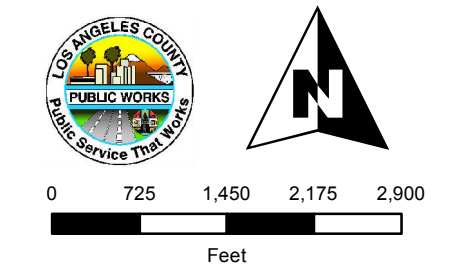
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Y0TV1314A1

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SANTA CLARITA**

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- Shallow
- ◆ Trap
- ⊗ Siphon

- P** SMD Pump Stations

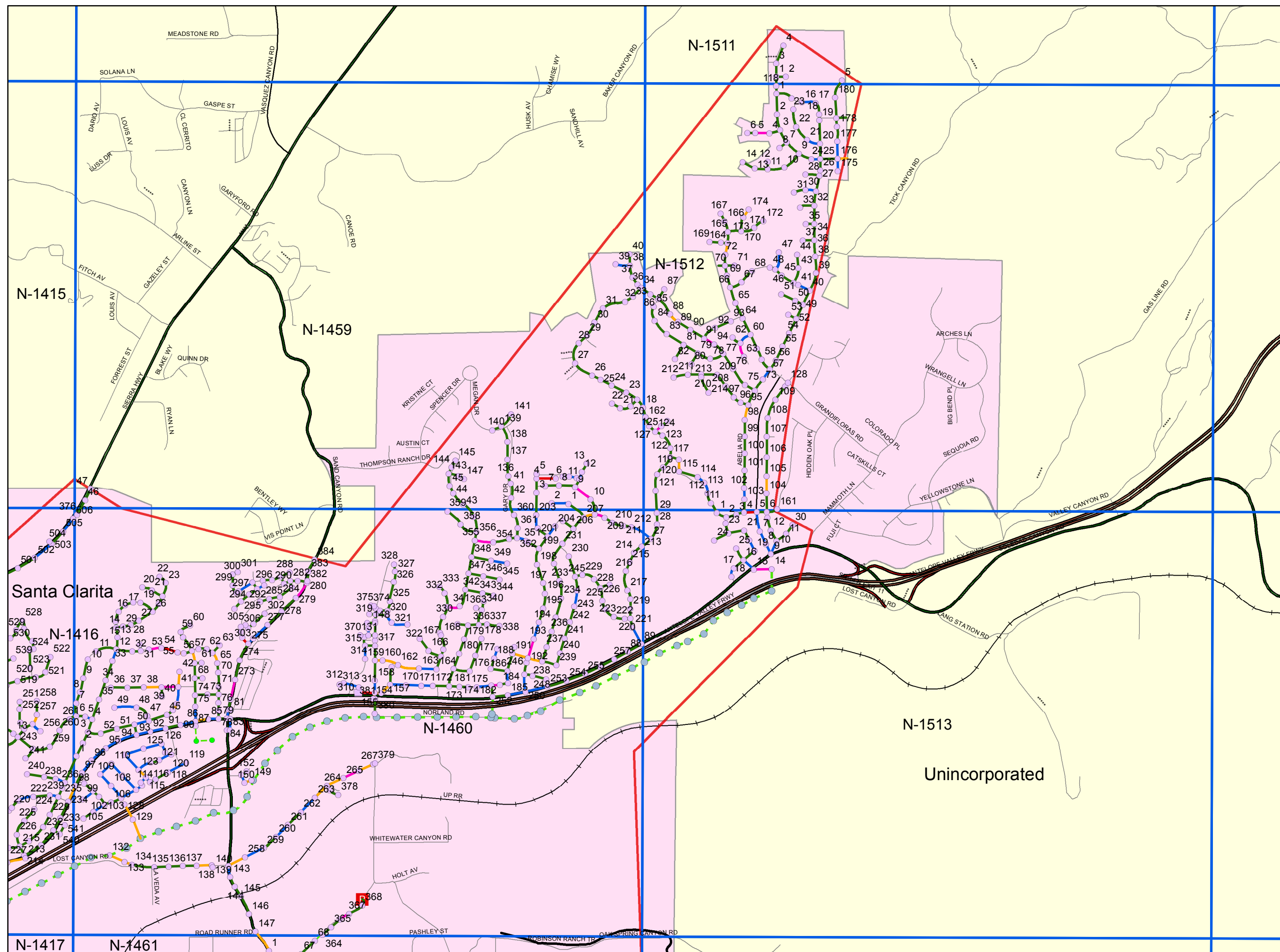
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June 2018



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

PROJECT NAME:	Y0TV1415A	PROJECT MGR:	Hanna Kebede
PROJECT DATE:	12/15/15	CONTACT NO:	(626) 300-4686
SUP.	5	MAP PAGE(S):	1216, 1255, 1256, 1257, 1293,
DISTRICT(s):			1294, 1295, 1296, 1297, 1298,
			1332, 1333, 1334, 1336, 1337,
			1512
Report By:	Clement Khong	Report Date:	8/7/18

INTRODUCTION

The District conducted a condition assessment of 865,042 feet or 39 percent of the City's entire sewer system as part of Project No. Y0TV1415A.

The enclosed Condition Assessment Report outlines the structural and maintenance ratings of your system based on the 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 and Quick Structural Rating Priority Map (Enclosure 3)

The Sewer Condition Assessment Program utilizes the PACP's Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project No. Y0TV1415A included sewer lines located in the Cities of Lakewood and Santa Clarita. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects while a grade of 5 indicates that a pipe segment may require immediate attention. A legend of the five possible defect grades is as follows:

Grade	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

MAINTENANCE REPORT

Our inspection revealed that approximately 84.3 percent of the system televised in your City as part of Project No. Y0TV1415A was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 15.7 percent of the pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken.

A color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	521,164	60.2	2,469
2: Minor to Moderate	208,362	24.1	1,009
3: Moderate	67,314	7.8	284
4: Significant	58,626	6.8	230
5: Most Significant	9,576	1.1	41
TOTAL	865,042	100.0	4,033

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 97.7 percent of the system televised has adequate capacity. Approximately 2.3 percent of the segments inspected exhibited visual signs associated with high water levels. The capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which indicate the camera was underwater or there were sags in the line. A sewer pipe is considered at capacity when 50 percent of the diameter of the sewer pipe is full of water. However, there are conditions in which the Water Level or Water Mark has reached 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage caused by debris in the sewer lines, or a sag in the line. Therefore, additional review of these pipe segments was conducted to determine if any capacity issues exist.

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

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

Infiltration

Our inspection revealed that approximately 0.3 percent of the system included in your City as part of Project No. Y0TV1415A 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 action is proposed, the work will be programmed in the next 24 months as part of our ongoing Accumulative Capital Outlay Program.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 96.6 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 3.4 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 120 in the Quick Structural Rating Report Priority List (Enclosure 3), which warrant a corrective action, the proposed corrective action will be programmed in the next 24 months as part of the ongoing Accumulative Capital Outlay Program.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	671,639	77.6	3,215
2: Minor to Moderate	131,561	15.2	567
3: Moderate	32,734	3.8	131
4: Significant	22,241	2.6	89
5: Most Significant	6,867	0.8	31
TOTAL	865,042	100.0	4,033

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
2009-10	Y0TV0910D	329,847	14.9	COMPLETED
2013-14	Y0TV1314A1	1,024,697	46.1	COMPLETED
2014-15	Y0TV1415A	865,042	39.0	COMPLETED
TOTAL		2,219,586	100.0	

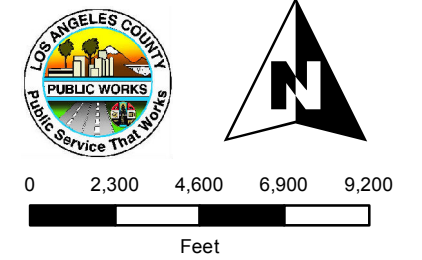
ENCLOSURE 1

Project Overview Map

OVERVIEW MAP

CCTV PROJECT
YOTV1415A

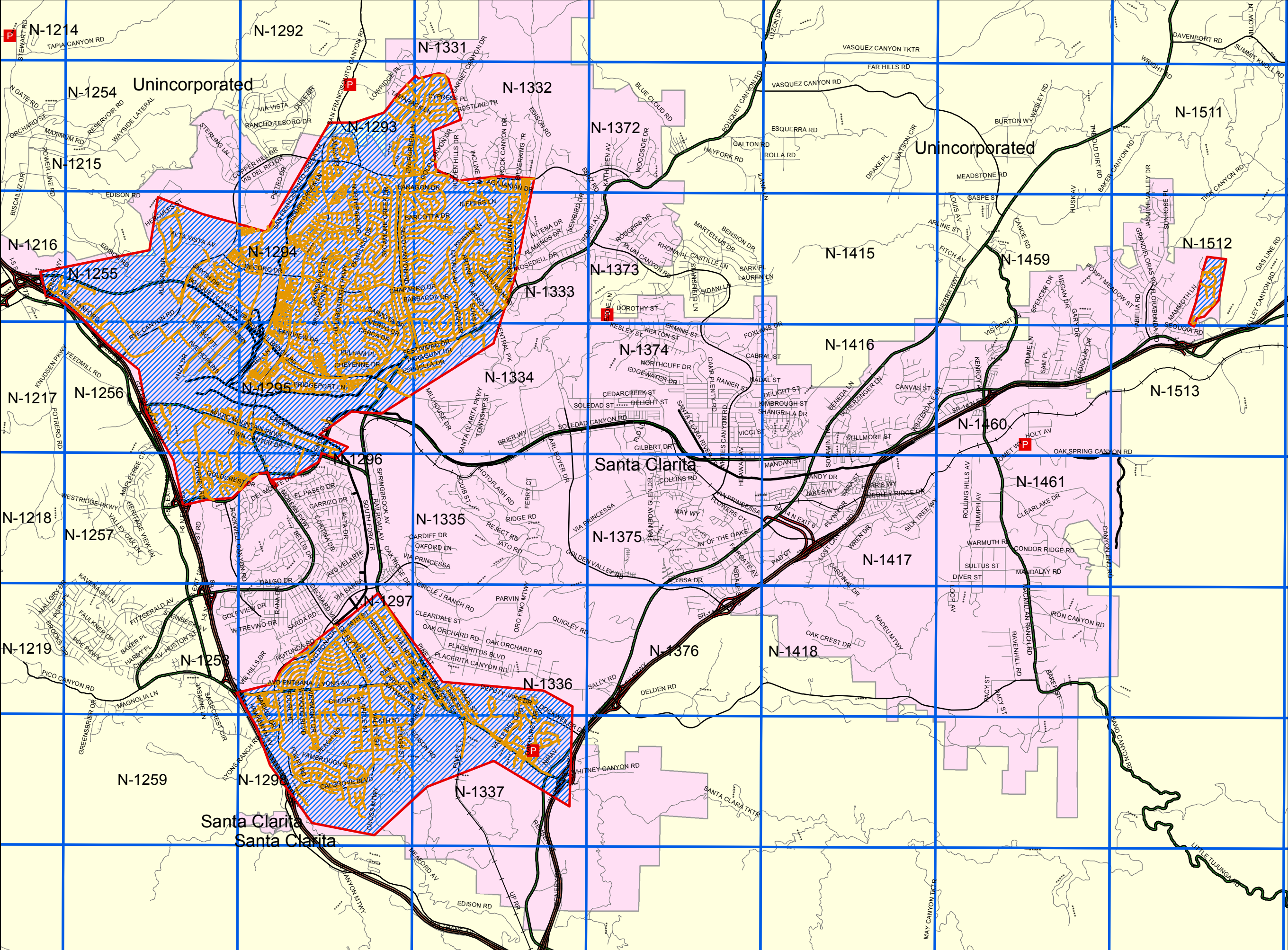
CITY OF
SANTA CLARITA



- Legend**
- SMD Sanitary Sewers
 - SMD Manholes**
 - Other
 - Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - SMD Pump Stations
 - SMD Treatment Plants
 - Trunk Sewerlines
 - Non SMD Sanitary Sewers
 - Non SMD Maintained MH
 - SMD Operations Maps
 - CCTV Project Area

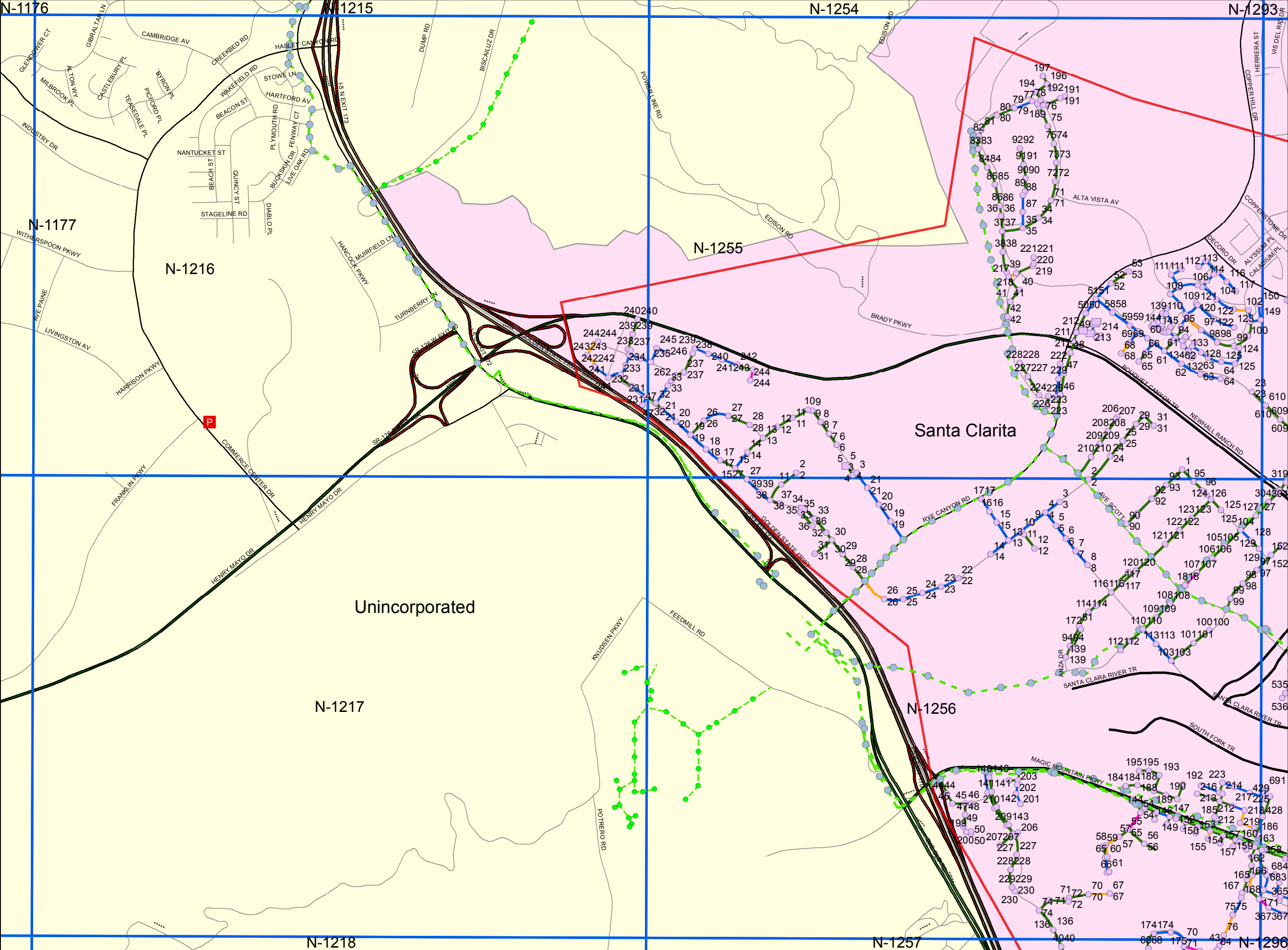
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ENCLOSURE 2

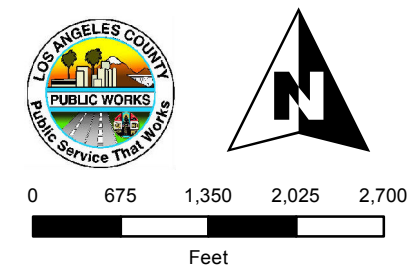
- Quick Maintenance Rating Map
- High Water Levels List and Map
- Infiltration List and Map
- Sample Lateral Notice Letter



ENCLOSURE 2
CCTV PROJECT
Y0TV1415A

**CITY OF
SANTA CLARITA**

**QUICK
MAINTENANCE
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(QMR)**



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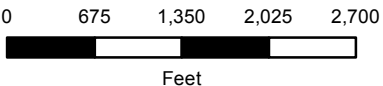
ENCLOSURE 2

CCTV PROJECT

Y0TV1415A

CITY OF
SANTA CLARITA

QUICK
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RATING
(QMR)



Legend

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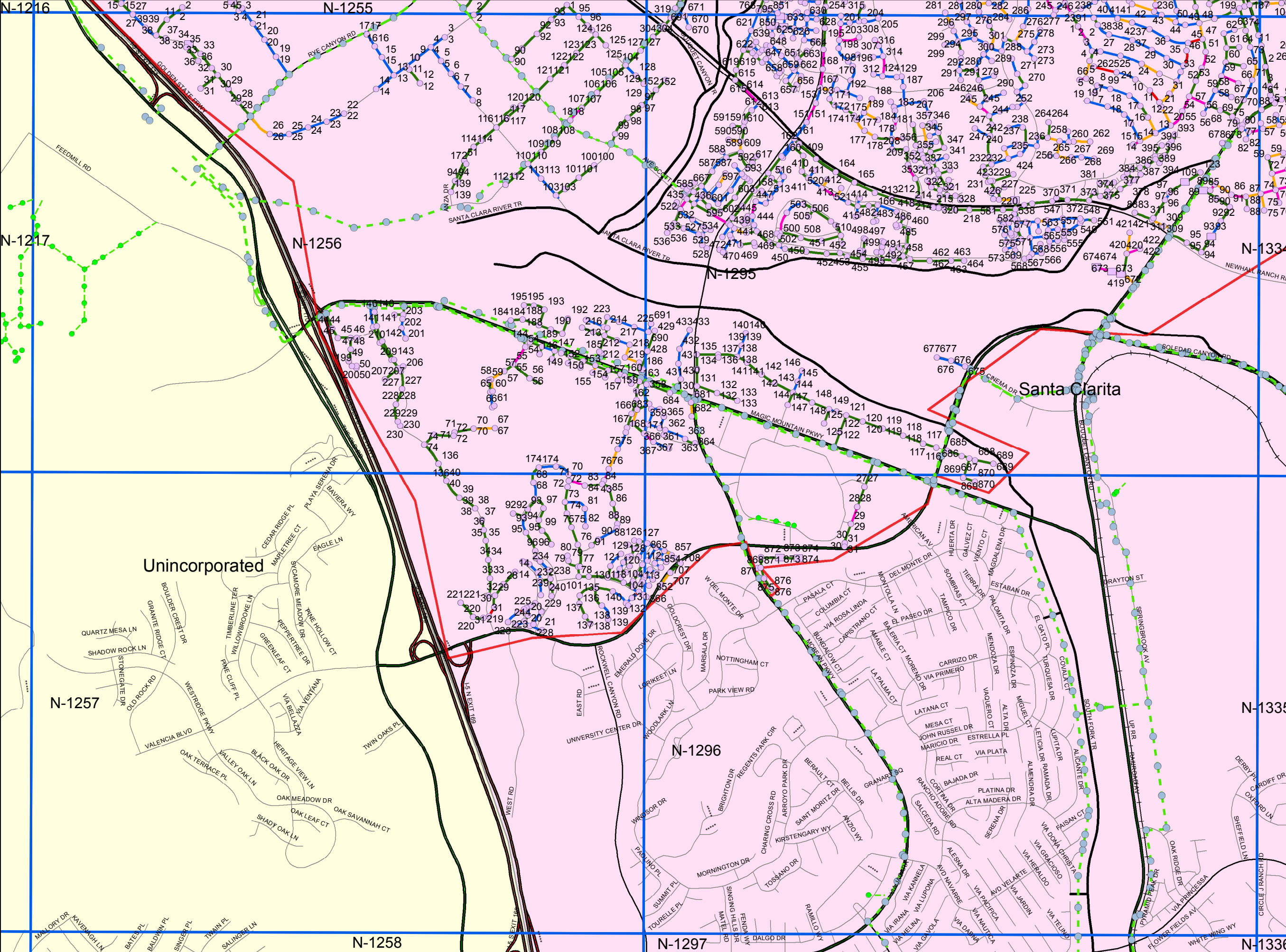
Manhole Type

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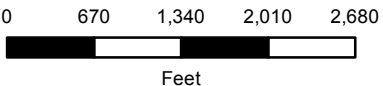
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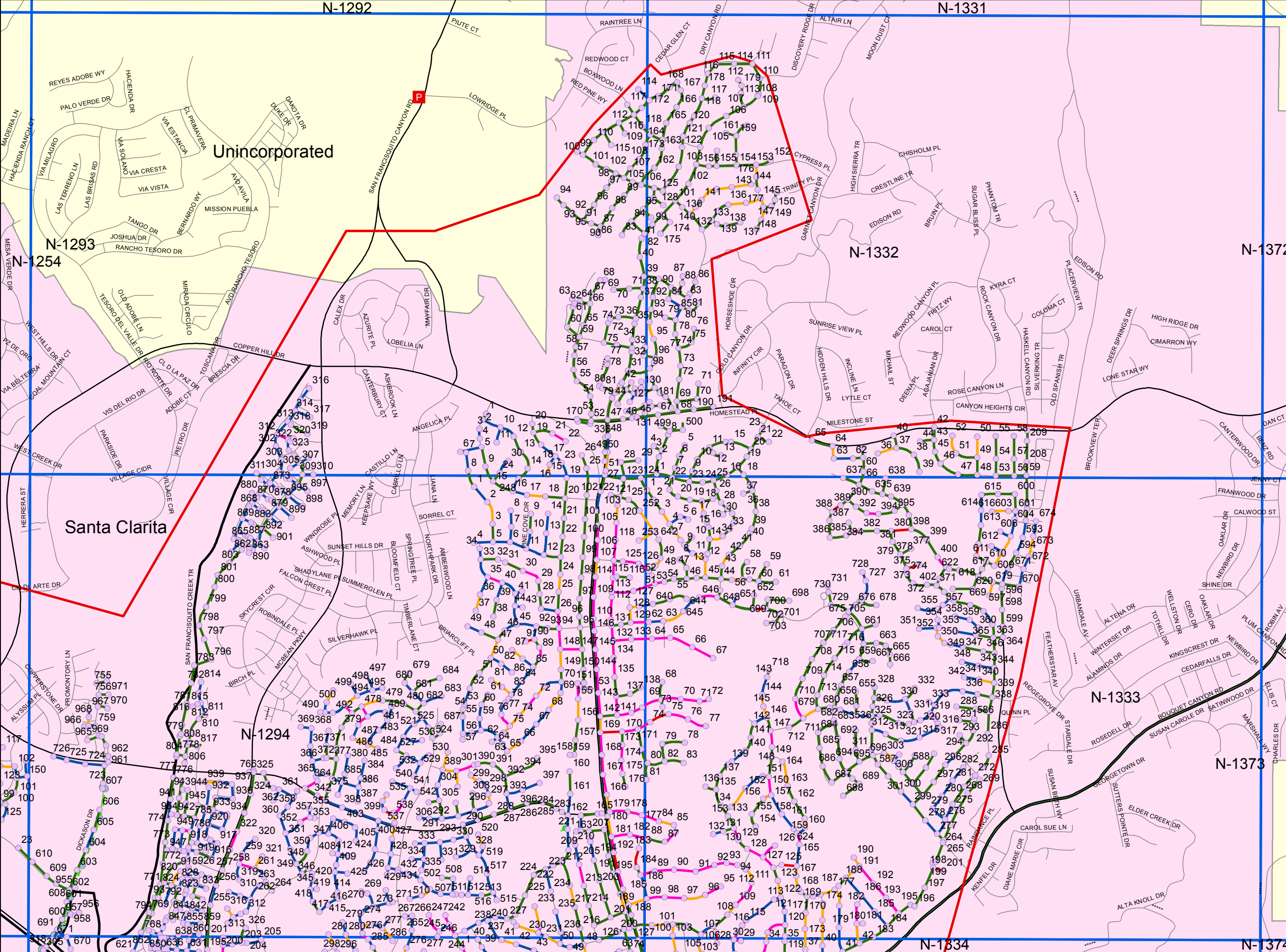
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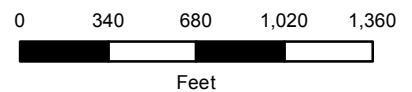
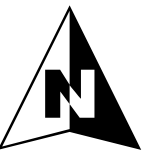
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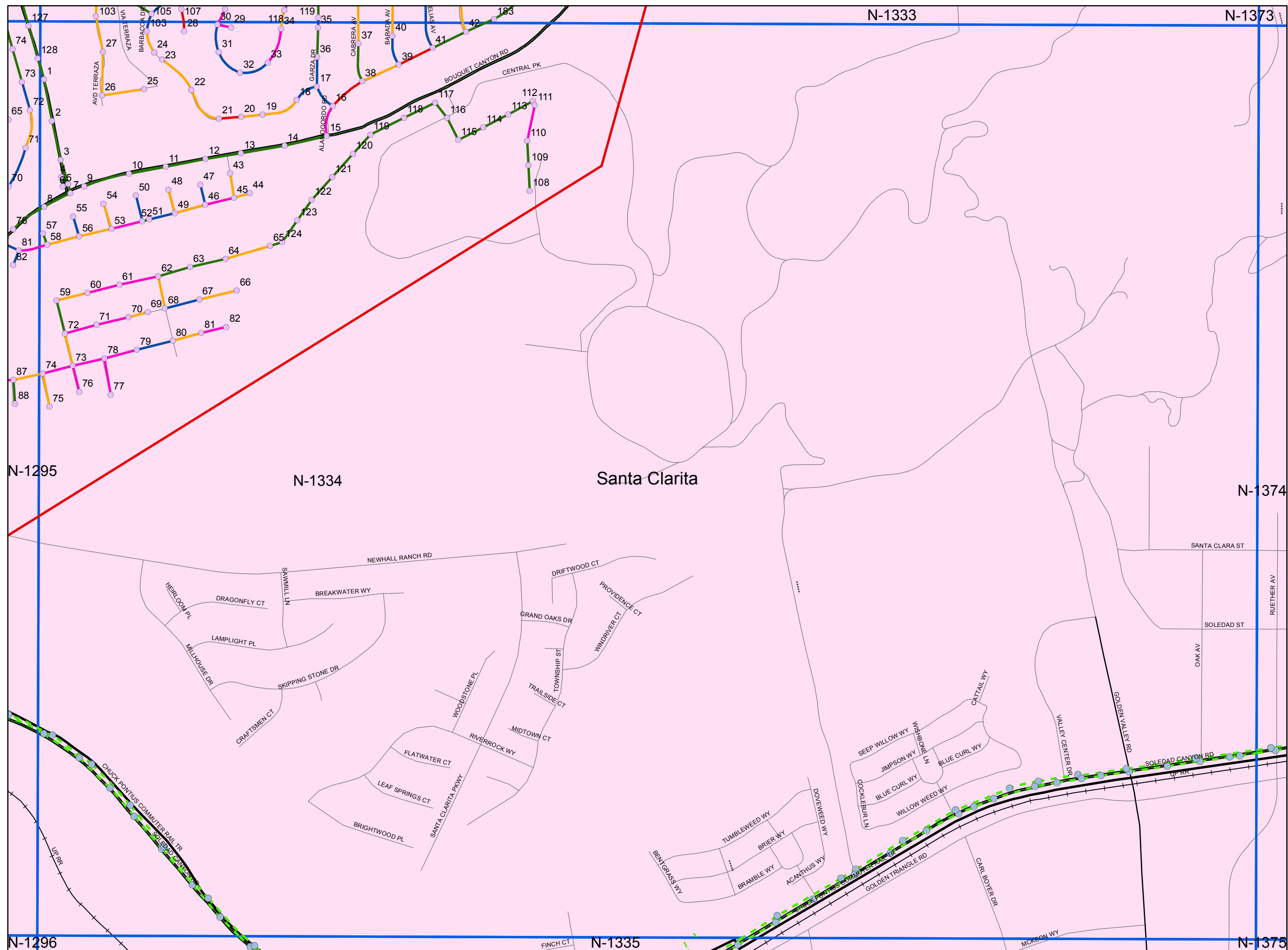
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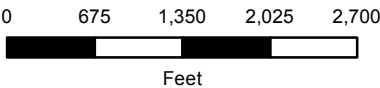
June 2018



ENCLOSURE 2
CCTV PROJECT
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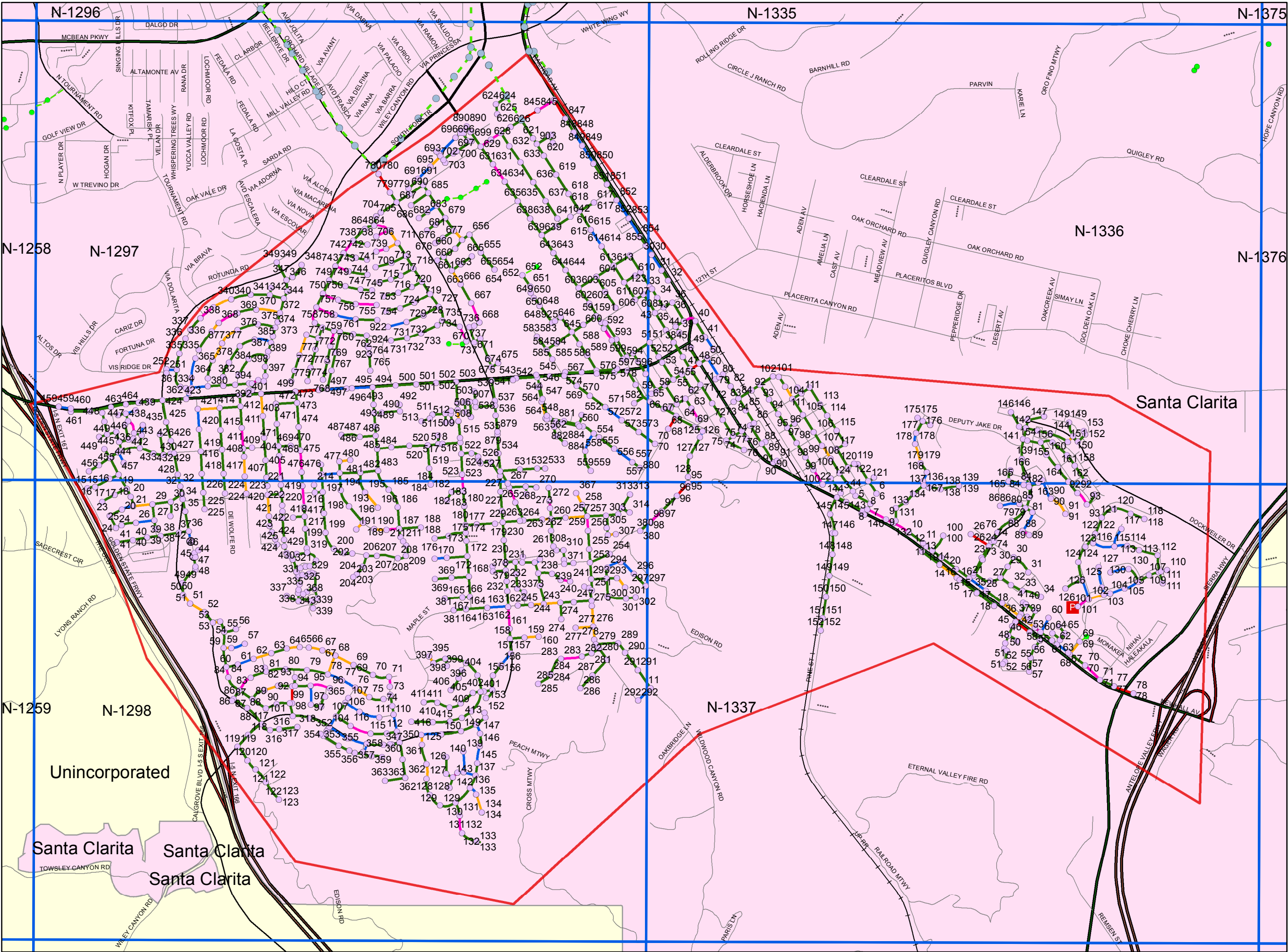
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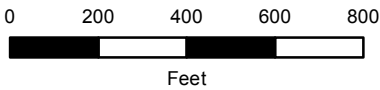
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CCTV PROJECT

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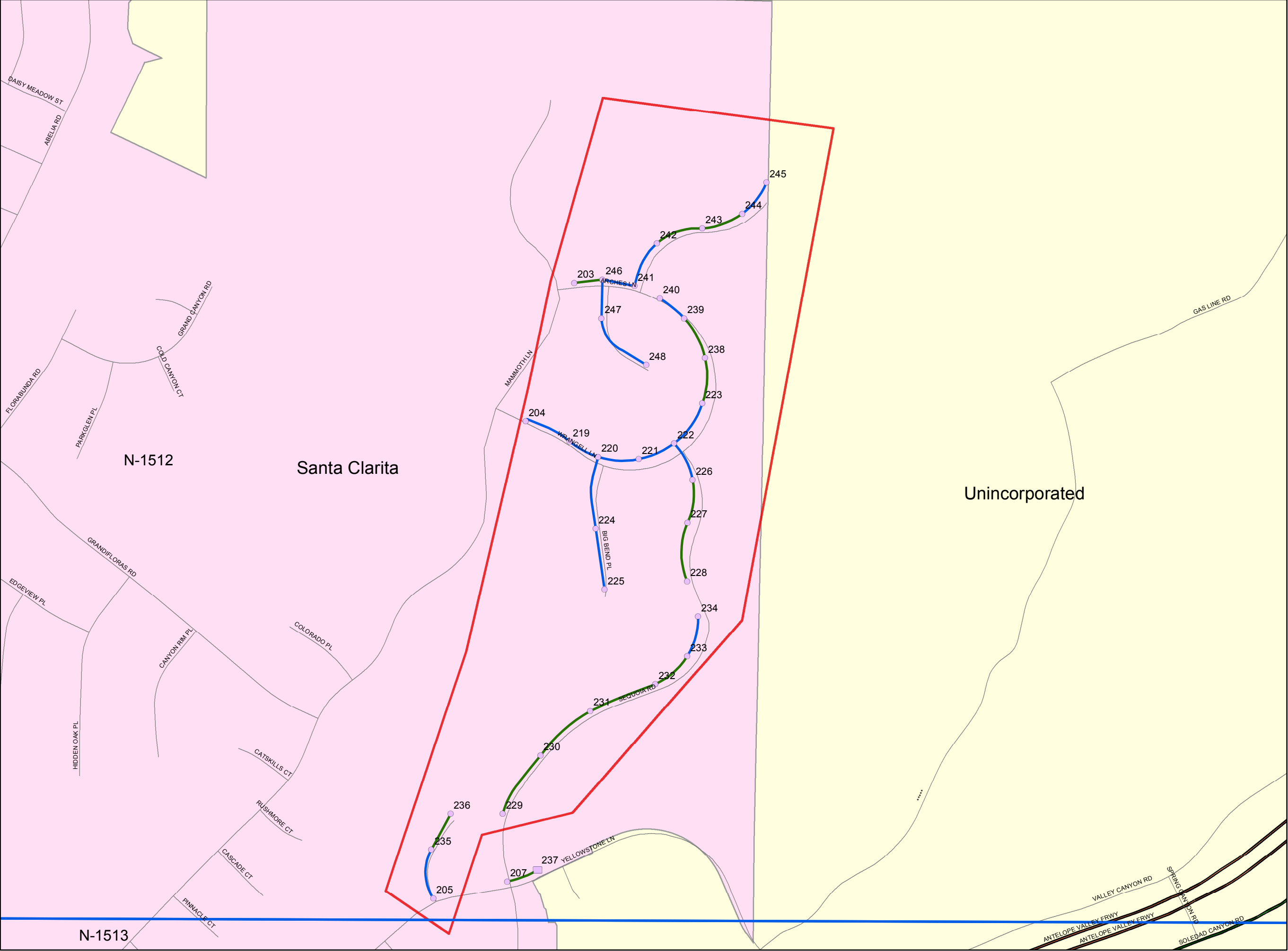
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ENCLOSURE 2
HIGH WATER LEVELS
SANTA CLARITA (Y0TV1415A)
as of 12/15/2015

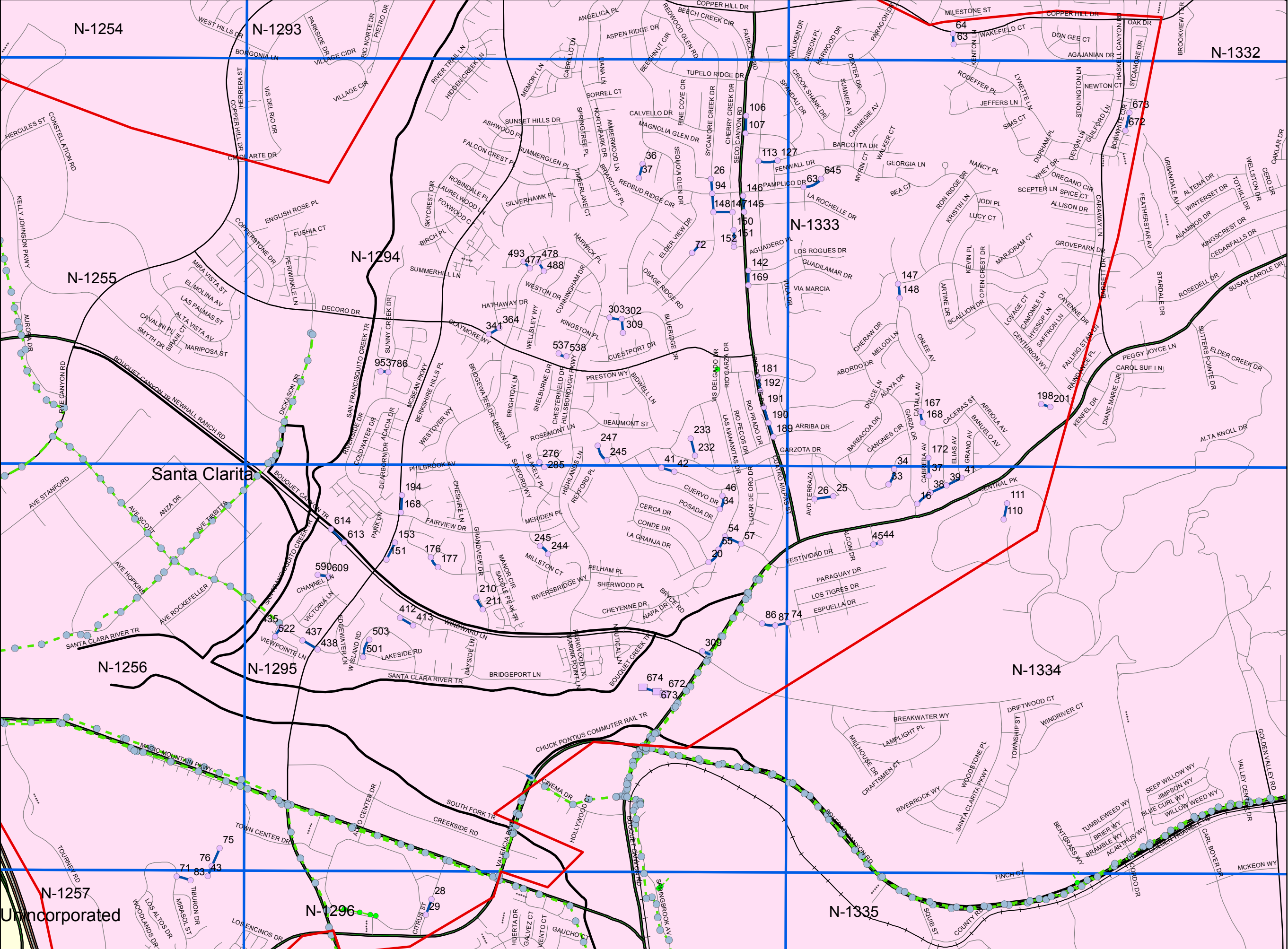
NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
1	5143	1295-0034	1295-0046	PALACETE DR	Camera underwater: 89'	Hydrojet
2	5143	1297-0845	TRNK	16TH ST	Camera underwater: 46'	Hydrojet
3	512K	1297-0847	1297-0846	RAILROAD AV	Water mark: 90%; water level: 50%	No action needed
4	512E	1294-0537	1294-0538	BRIARS PL	Water level: 50%	No action needed
5	5100	1334-0038	1334-0016	ALAMOGORDO RD	Water level: 50%	No action needed
6	5100	1334-0039	1334-0041	ALAMOGORDO RD	Water mark: 50%	No action needed
7	5100	1337-0045	1337-0044	EASEMENT	Camera underwater: 85'	Hydrojet
8	5100	1333-0201	1333-0198	EASEMENT	Water level: 50%	No action needed
9	5100	1297-0779	1297-0780	ORCHARD VILLAGE RD	Water mark: 50%	No action needed
10	4800	1297-0629	1297-0628	16TH ST	Camera underwater: 114'	Hydrojet
11	4A31	1295-0055	1295-0020	LAS MANANITAS DR	Camera underwater: 168'	Hydrojet
12	4A00	1295-0054	1295-0057	FESTIVIDAD DR	Water mark: 50%	No action needed
13	4800	1297-0362	1297-0363	AVENIDA ENTRANA	Camera underwater: 96'	Hydrojet
14	4800	1297-0628	1297-0627	16TH ST	Camera underwater: 59'	Hydrojet
15	472C	1295-0054	1295-0055	LAS MANANITAS DR	Camera underwater: 265'	Hydrojet
16	471D	1297-0437	1297-0436	EASEMENT	Camera underwater: 105'	Hydrojet
17	4600	1295-0674	1295-0673	EASEMENT	Camera underwater: 60'	Hydrojet
18	4600	1297-0846	1297-0845	16TH ST	Camera underwater: 259'	Hydrojet
19	452G	1294-0247	1294-0245	SENA CT	Water mark: 50%	No action needed
20	4500	1294-0147	1294-0148	EASEMENT	Camera underwater: 202'	Hydrojet
21	4500	1257-0106	1257-0107	GOLDCREST DR	Water mark: 50%	No action needed
22	4500	1255-0056	1255-0055	COPPER HILL DR	Camera underwater: 323'	Hydrojet
23	4500	1334-0110	1334-0111	EASEMENT	Water mark: 50%; camera underwater: 209' (plastic pipe)	Hydrojet
24	4424	1294-0953	1294-0786	WILLOWBROOKE CT	Camera underwater: 47'	Hydrojet
25	4400	1295-0673	1295-0672	EASEMENT	Camera underwater: 124'	Hydrojet
26	4332	1294-0113	1294-0127	BARCOTTA DR	Camera underwater: 350'	Hydrojet
27	4331	1257-0043	1256-0076	EASEMENT	Camera underwater: 134'	Hydrojet
28	4232	1294-0146	1294-0145	SECO CANYON RD	Water mark: 50%	No action needed
29	4231	1295-0435	1295-0522	CAPE COD DR	Camera underwater: 67'	Hydrojet
30	4200	1294-0094	1294-0026	SYCAMORE CREEK DR	Water mark: 50%	No action needed
31	4200	1294-0151	1294-0152	CHERRY CREEK DR	Water mark: 50%; camera underwater: 117'	Hydrojet
32	4200	1296-0029	1296-0028	CITRUS ST	Camera underwater: 289'	Hydrojet
33	4200	1297-0393	1297-0394	AVENIDA ENTRANA	Camera underwater: 19'	Hydrojet
34	4131	1294-0488	1294-0478	ROLAND WY	Water mark: 50%	No action needed
35	4131	1294-0106	1294-0107	SECO CANYON RD	Water mark: 50%	No action needed
36	4131	1294-0341	1294-0364	EASEMENT	Water mark: 50%	No action needed
37	4131	1295-0087	1295-0086	ESPUELLA DR	Water level: 50%	No action needed

ENCLOSURE 2
HIGH WATER LEVELS
SANTA CLARITA (Y0TV1415A)
as of 12/15/2015

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
38	4131	1294-0192	1294-0181	SECO CANYON RD	Water mark: 50%	No action needed
39	4131	1294-0276	1295-0285	ROSEMONT DR	Water level: 60%	No action needed
40	4131	1295-0614	1295-0613	EASEMENT	Water mark: 50%	No action needed
41	4131	1297-0753	1297-0752	VIA BEGUINE	Water mark: 50%	No action needed
42	4131	1295-0437	1295-0438	AV SCOTT	Water mark: 50%	No action needed
43	412J	1334-0033	1334-0034	CANONES CR	Water mark: 50%	No action needed
44	412J	1295-0412	1295-0413	WINDWARD LN	Water mark: 50%	No action needed
45	412F	1294-0493	1294-0477	WELSHFIELD WY	Water mark: 50%	No action needed
46	412A	1295-0675	1295-TRNK	AUTO CENTER CT	Camera underwater: 112'	Hydrojet
47	4128	1295-0151	1295-0153	MC BEAN PKWY	Water mark: 50%	No action needed
48	4127	1295-0168	1295-0194	MC BEAN PKWY	Water mark: 60%	No action needed
49	4121	1295-0244	1295-0245	LITTLE DR	Water mark: 50%	No action needed
50	4121	1295-0501	1295-0503	ISLAND RD	Camera underwater: 220'	Hydrojet
51	4111	1298-0256	1298-0257	CROSS ST	Water level: 50%	No action needed
52	4100	1294-0148	1294-0094	SYCAMORE CREEK DR	Water level: 50%	No action needed
53	4100	1333-0148	1333-0147	CATALA AVE	Water level: 50%	No action needed
54	4100	1257-0083	1257-0071	EASEMENT	Water level: 70%	No action needed
55	4100	1294-0190	1294-0191	SECO CANYON RD	Water mark: 50%	No action needed
56	4100	1295-0210	1295-0211	EASEMENT	Water mark: 50%	No action needed
57	4100	1297-0708	1297-0707	VIA GALERA	Water level: 50%	No action needed
58	4100	1297-0737	1297-0736	EASEMENT	Water level: 50%	No action needed
59	4100	1297-0395	1297-0396	EASEMENT	Water level: 50%	No action needed
60	4100	1297-0394	1297-0395	AVENIDA ENTRANA	Water level 50%	No action needed
61	4100	1297-0396	1297-0397	EASEMENT	water level: 50%	No action needed
62	4100	1297-0634	1297-0631	NEWHALL AVE	Camera underwater: 167'	Hydrojet
63	4100	1337-0010	1337-0132	NEWHALL AVE	Water level: 50%	No action needed
64	4100	1337-0132	1337-0009	NEWHALL AVE	Water level: 50%	No action needed
65	4100	1337-0009	1337-0008	NEWHALL AVE	Water level: 50%	No action needed
66	3H00	1294-0036	1294-0037	CYPRESS RIDGE CR	Water level: 50%	No action needed
67	3G21	1294-0303	1294-0302	BLUERIDGE DR	Water level: 50%	No action needed
68	3F2F	1295-0590	1295-0609	BRETON CT	Water level: 10%; water mark: 50%	No action needed
69	3B2A	1294-0072	1294-0071	MULBERRY GLEN DR	Water level: 10%; water mark: 60%	No action needed
70	3900	1295-0309	1295-TRNK	EASEMENT	Water mark: 50%	No action needed
71	3711	1334-0037	1333-0172	CABRERA AVE	Water mark: 50%	No action needed
72	3629	1295-0176	1295-0177	BENNINGTON DR	Water mark: 50%	No action needed
73	3621	1333-0167	1333-0168	CATALA AVE	Water mark: 50%	No action needed
74	342F	1334-0025	1334-0026	ALLEY	Water mark: 50%	No action needed

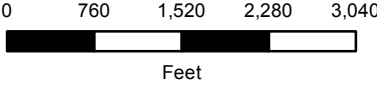
ENCLOSURE 2
HIGH WATER LEVELS
SANTA CLARITA (Y0TV1415A)
as of 12/15/2015

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
75	341G	1334-0074	1295-0087	ESPUELLA DR	Water mark: 50%	No action needed
76	3400	1298-0345	1298-0344	CALGROVE BV	Water mark: 50%	No action needed
77	331A	1334-0044	1334-0045	FESTIVIDAD DR	Water mark: 70%	No action needed
78	322D	1297-0481	1297-0480	GREEN MILL AV	Water mark: 50%	No action needed
79	3200	1294-0142	1294-0169	SECO CANYON RD	Water mark: 50%	No action needed
80	3200	1298-0051	1298-0050	WILEY CANYON RD	Water mark: 70%	No action needed
81	312L	1333-0673	1333-0672	CANYON VILLAS/TOWN HOMES	Water mark: 50%	No action needed
82	312L	1295-0042	1295-0041	FRISCA DR	Water mark: 50%	No action needed
83	312J	1294-0232	1294-0233	JARANA CT	Water mark: 50%	No action needed
84	312D	1294-0309	1294-0302	LANDON PL	Water mark: 50%	No action needed
85	3122	1333-0063	1333-0645	PAMPLICO DR	Water mark: 50%	No action needed
86	3121	1256-0076	1256-0075	EASEMENT	Water level: 60%	No action needed
87	3111	1336-0104	1336-0103	ALLEY	Water mark: 50%	No action needed
88	3100	1332-0064	1332-0063	COPPER HILL DR	Water level: 50% (plastic pipe)	No action needed
89	3100	1294-0189	1294-0190	SECO CANYON RD	Water mark: 50%	No action needed
90	3100	1334-0038	1334-0039	ALAMOGORDO RD	Water mark: 50%	No action needed
91	3100	1297-0339	1297-0340	AVENIDA CRESCENTA	Water mark: 50%	No action needed
92	3100	1297-0693	1297-0692	EASEMENT	Water mark: 70%	No action needed
93	3100	1336-0150	1336-0145	NANDINA LN	Water mark: 50%	No action needed
94	3100	1337-0015	1337-0014	SAN FERNANDO RD	Water mark: 50%	No action needed



ENCLOSURE 2
CCTV PROJECT
Y0TV1415A
CITY OF
SANTA CLARITA

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

Other

Manhole Type

Standard

DROP

Shallow

Trap

Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

Trunk Sewerlines

Non SMD Sanitary Sewers

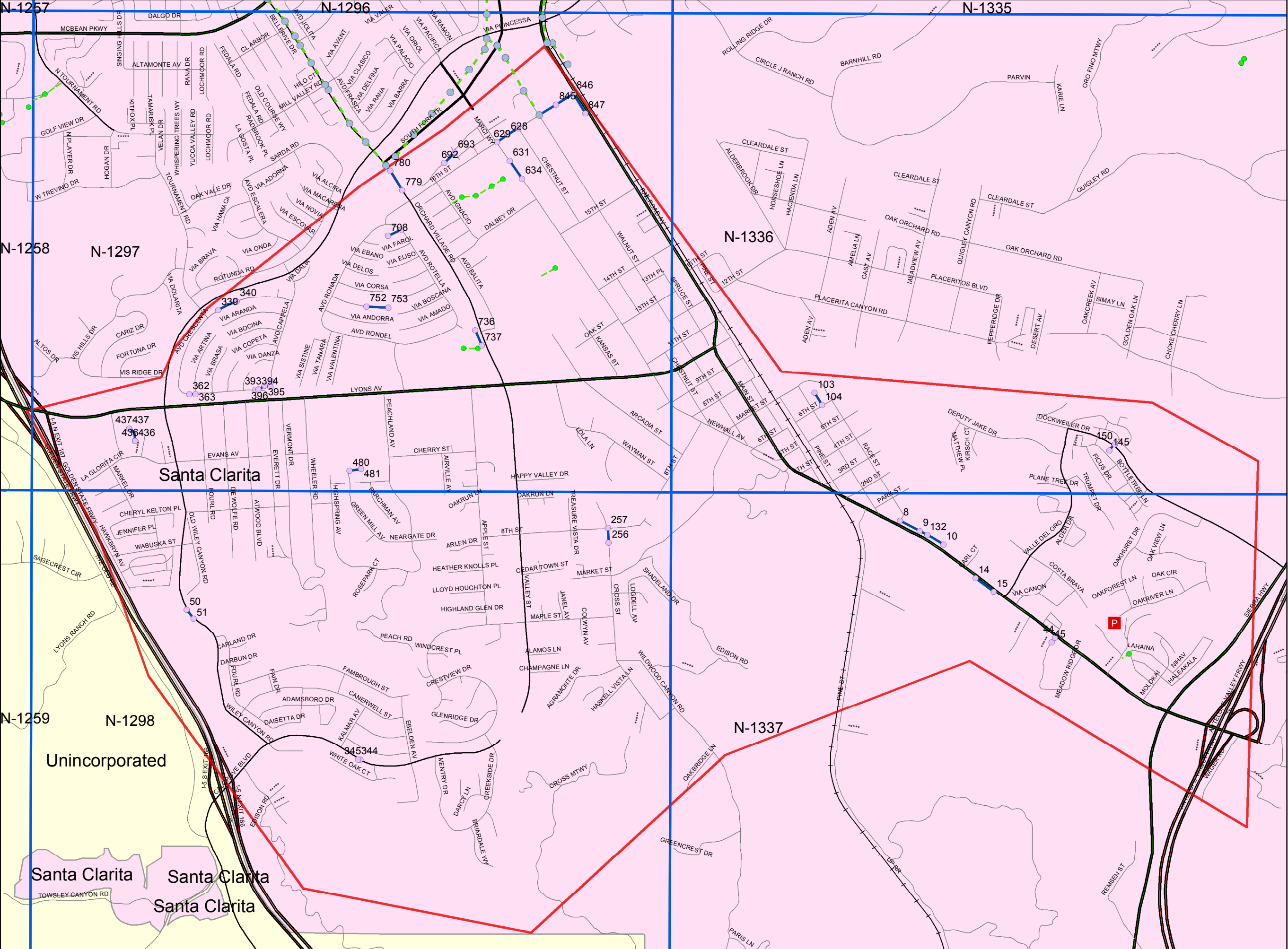
Non SMD Maintained MH

SMD Operations Maps

CCTV Project Area

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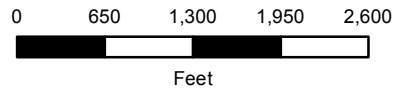
June 2018



ENCLOSURE 2
CCTV PROJECT
Y0TV1415A

CITY OF
SANTA CLARITA

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

○ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

P SMD Pump Stations

WTP SMD Treatment Plants

— Trunk Sewerlines

— Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

□ CCTV Project Area

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June 2018

ENCLOSURE 2
INFILTRATION
SANTA CLARITA (Y0TV1415A)
as of 12/15/2015

NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION TAKEN
1	5121	1333-0611	1333-0612	STONINGTON LN	Infiltration (gusher): 199'	Grout injection
2	5100	1294-0342	1294-0343	DECORO DR	Infiltration (gusher): 1'	Grout injection
3	4132	1295-0314	1295-0312	CHESHIRE LN	Infiltration (weeper): 1'	Infiltration is minimal. No action needed.
4	4132	1337-0059	1337-0058	NEWHALL AVE	Infiltration (runner): 111'	Infiltration is minimal. No action needed.
5	412B	1294-0353	1294-0352	BRIDGEWATER DR	Infiltration (runner): 176'	Infiltration is minimal. No action needed.
6	412A	1337-0089	1337-0088	ALDER DR	Infiltration (runner): 124'	Grout injection
7	4121	1337-0093	1337-0092	FICUS LN	Infiltration (runner): 5'	Infiltration is minimal. No action needed.
8	312H	1294-0820	1294-0819	CLARIDGE PL	Infiltration (dripper): 46'	Infiltration is minimal. No action needed.
9	312G	1337-0103	1337-0102	OAKRIVER LN	Infiltration (dripper): 1'	Infiltration is minimal. No action needed.
10	3121	1295-0609	1295-0608	BAYWOOD LN	Infiltration (dripper): 144'	Infiltration is minimal. No action needed.
11	3121	1337-0058	1337-0037	NEWHALL AVE	Infiltration (dripper): 85'	Infiltration is minimal. No action needed.

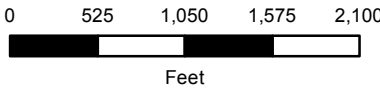
ENCLOSURE 2

CCTV PROJECT

Y0TV1415A

CITY OF
SANTA CLARITA

INFILTRATION



Legend

INFILTRATION

SMD Manholes

Other

Manhole Type

Standard

DROP

Shallow

Trap

Siphon

SMD Pump Stations

SMD Treatment Plants

Trunk Sewerlines

Non SMD Sanitary Sewers

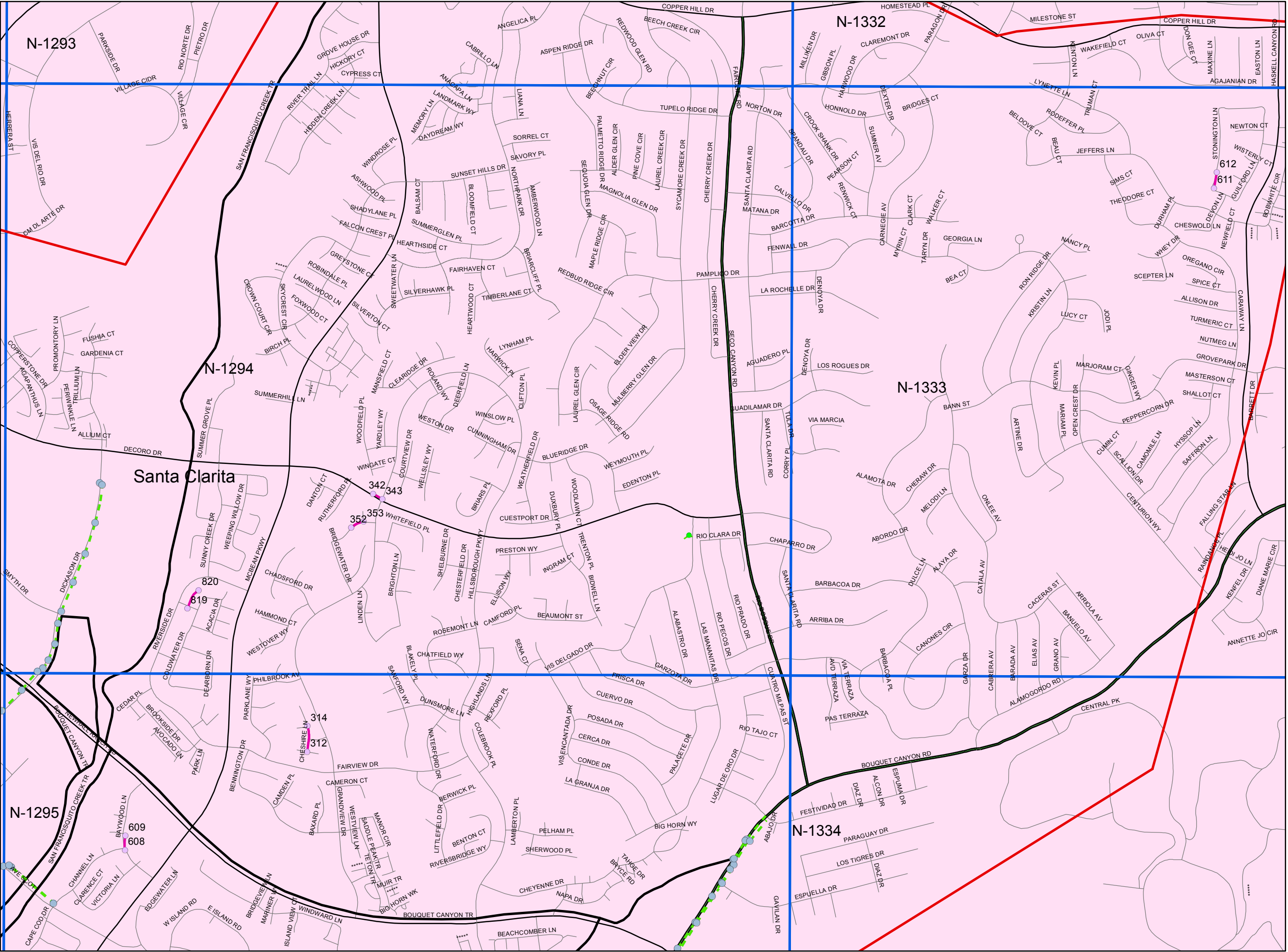
Non SMD Maintained MH

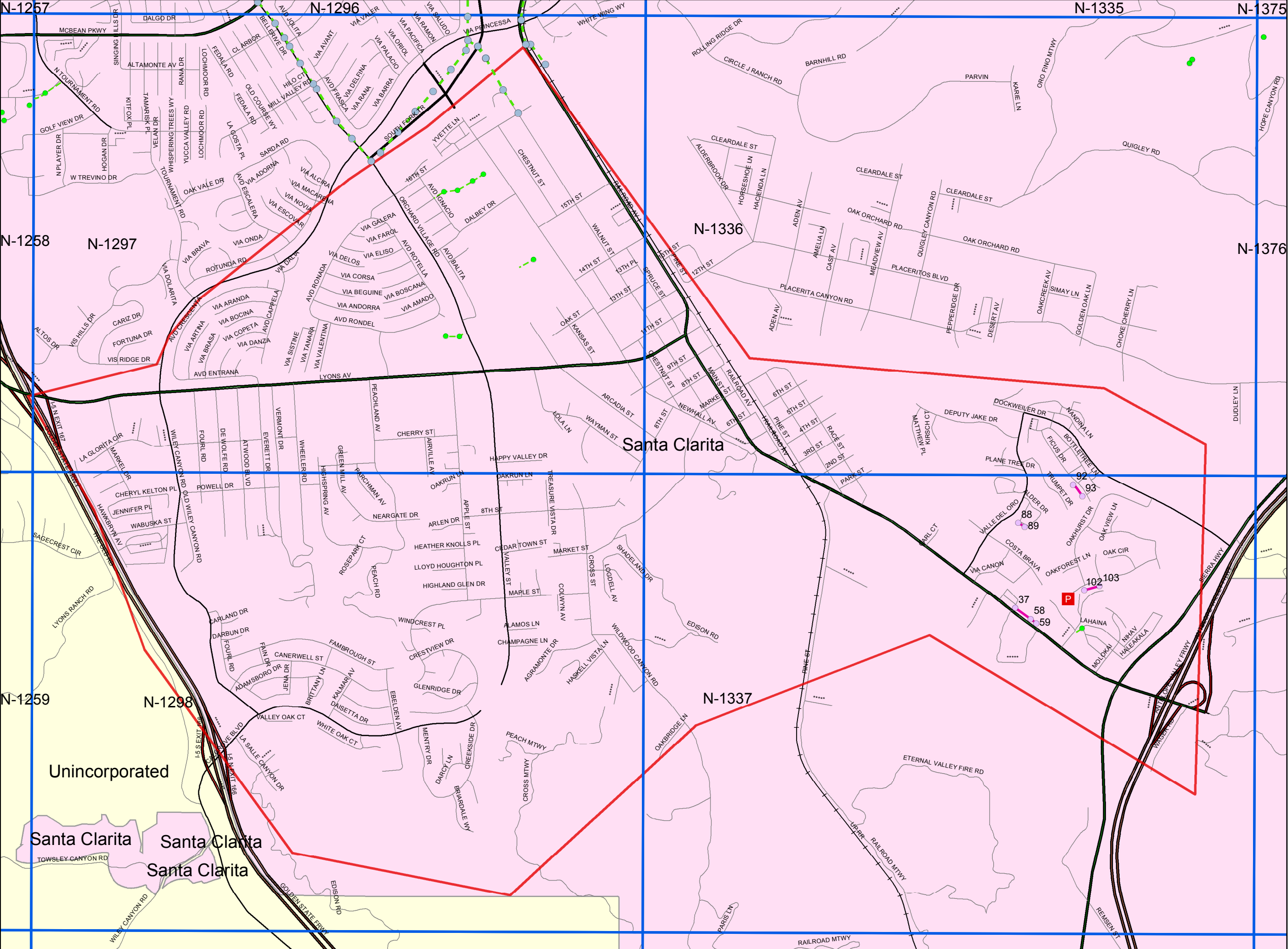
SMD Operations Maps

CCTV Project Area

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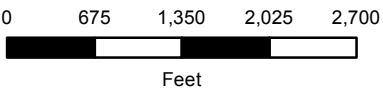
June 2018





ENCLOSURE 2
CCTV PROJECT
YOTV1415A
CITY OF
SANTA CLARITA

INFILTRATION



0 675 1,350 2,025 2,700
Feet

- Legend**
- INFILTRATION
 - SMD Manholes**
 - Other
 - Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - SMD Pump Stations**
 - SMD Treatment Plants**
 - Trunk Sewerlines
 - Non SMD Sanitary Sewers
 - Non SMD Maintained MH
 - SMD Operations Maps
 - CCTV Project Area

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June 2018



MARK PESTRELLA, 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}
{ADDRESS}

Dear Mr./Ms. {NAME}:

SEWER LATERAL ROOT INTRUSION {ADDRESS}

The County of Los Angeles Consolidated Sewer Maintenance District is responsible for the maintenance of the sanitary sewer system in your area. A camera inspection of the sewer mainline 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 to your property and/or those immediately upstream of your property. You are hereby requested to perform maintenance on the private sewer lateral serving the property located at {ADDRESS}.

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 (XXX) XXX-XXXX to arrange for authorization to access the downstream manhole.

Mr./Ms. {NAME}
{DATE}
Page 2

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 Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or keskridge@dpw.lacounty.gov.

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

Very truly yours,

MARK PESTRELLA
Director of Public Works

WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

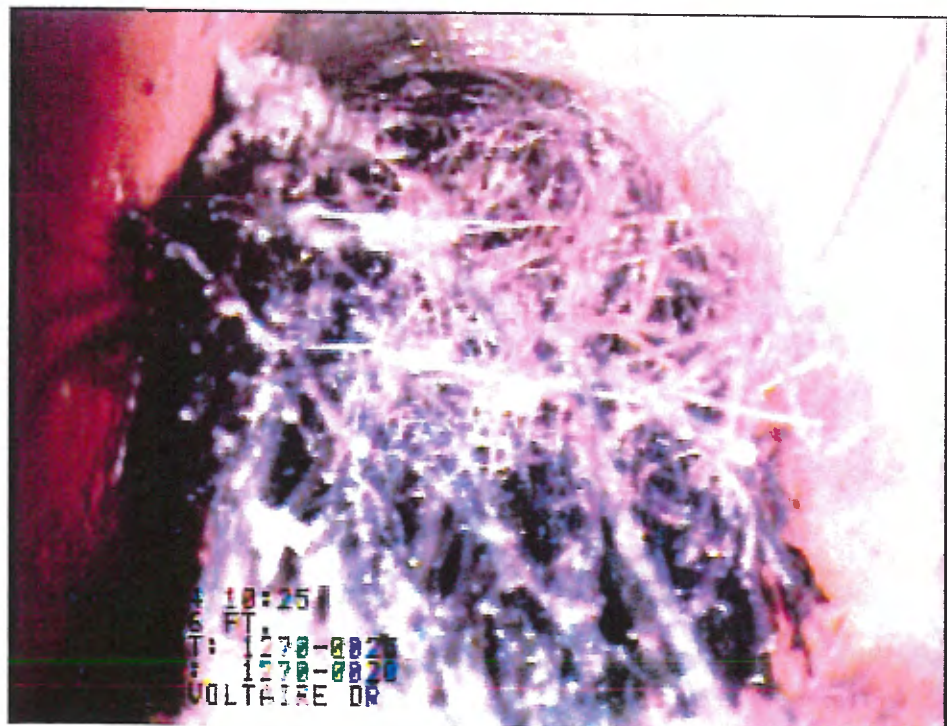
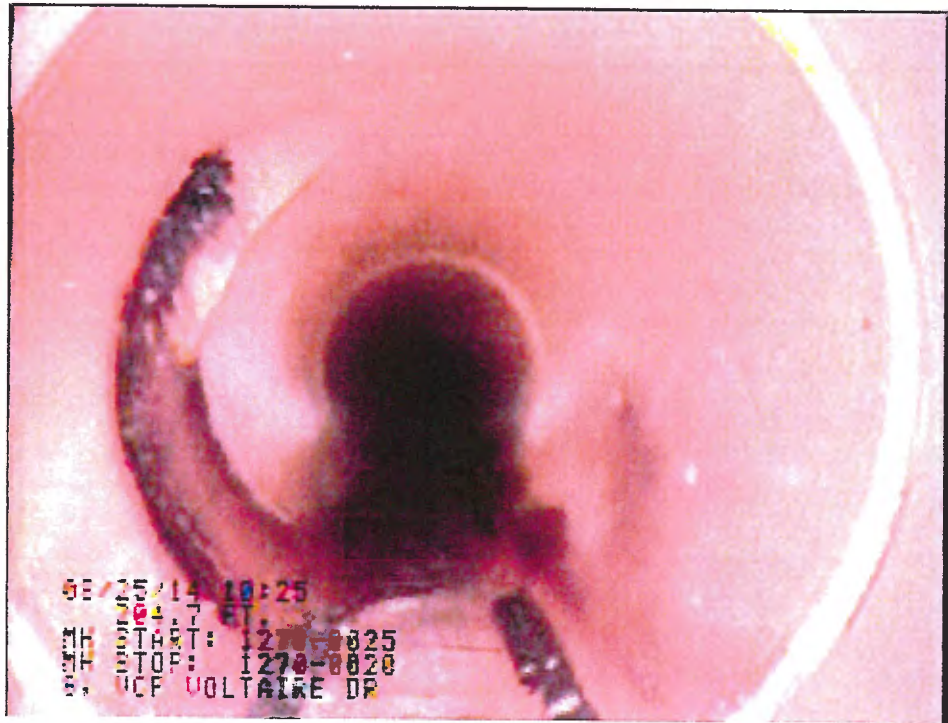
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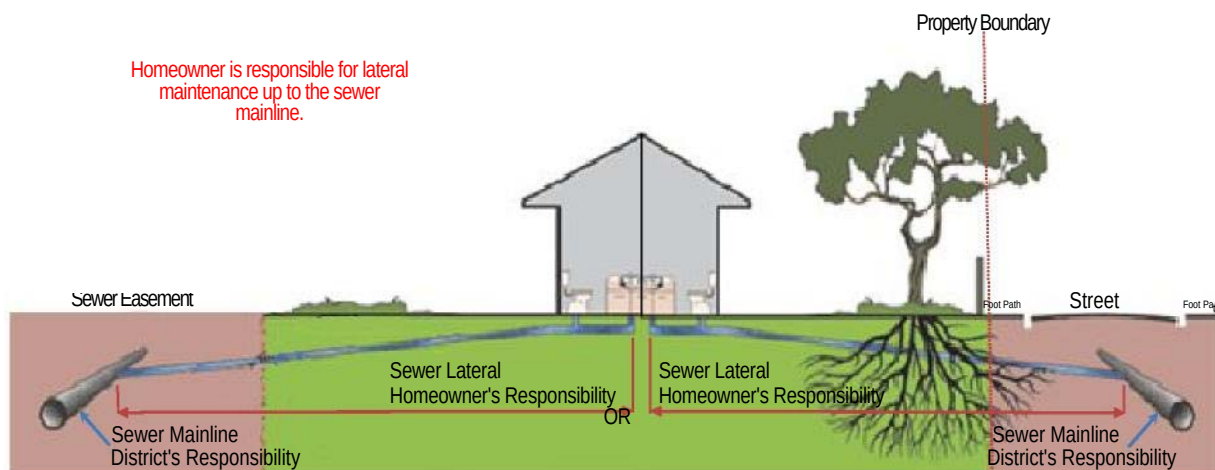
Roots at Lateral Connection



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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1415A)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	1333-0352	1333-0350	EASEMENT	Fracture multiple	Lining
2	1257-0043	1256-0076	EASEMENT	Fractures	No action needed*
3	1297-0847	1297-0846	RAILROAD AV	Fracture multiple	Lining
4	1294-0155	1294-0156	EASEMENT	Fracture multiple; Broken	Point repair
5	1294-0969	1294-0759	AMARYLLIS CT	Fracture multiple	Lining
6	1333-0103	1333-0102	AVENIDA TERRAZA	Fracture multiple; Broken	Lining
7	1298-0042	1298-0036	OLD WILEY CANYON RD	Fractures; Broken	Lining
8	1297-0675	1297-0674	EASEMENT	Hole	Lining
9	1297-0540	1297-0541	VALLEY ST	Fracture multiple; Broken	Point repair; Lining
10	1256-0139	1256-0094	ANZA DR	Fracture multiple	Lining
11	1333-0150	1333-0151	CHERAW DR	Fracture multiple; Broken	Point repair
12	1298-0238	1298-0236	EASEMENT	Fracture multiple; Hole	Lining
13	1294-0247	1294-0245	SENA CT	Fracture multiple; Broken	Point repair
14	1256-0011	1256-0010	FREMONT CT	Fracture multiple; Broken	Point repair
15	1256-0012	1256-0011	FREMONT CT	Fracture multiple; Broken; Hole	Point repair; Lining
16	1333-0167	1333-0168	CATALA AVE	Fractures; Broken	Lining
17	1297-0849	1297-0848	RAILROAD AV	Fractures; Hole	No action needed*
18	1295-0178	1295-0179	BENNINGTON DR	Fracture multiple; Broken	Point repair
19	1298-0360	1298-0359	HERITAGE OAK CT	Fractures; Broken	Point repair
20	1295-0176	1295-0177	BENNINGTON DR	Fracture multiple; Broken	No action needed*
21	1333-0018	1333-0017	SUMNER AV	Fracture multiple	No action needed*
22	1298-0350	1298-0349	CALGROVE BV	Fracture multiple; Broken	Lining
23	1298-0188	1298-0187	NEARGATE DR	Fracture multiple	Lining
24	1297-0336	1297-0335	AVENIDA CRESCENTA	Fractures; Broken	Lining
25	1295-0011	1295-0010	CONDE DR	Hole	Point repair

*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1415A)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
26	1295-0048	1295-0049	GARZOTA DR	Broken	No action needed*
27	1294-0303	1294-0302	BLUERIDGE DR	Fractures	No action needed*
28	1294-0309	1294-0302	LANDON PL	Fractures; Broken	No action needed*
29	1293-0014	1293-0013	REDWOOD GLEN DR	Broken	Lining
30	1256-0111A	1256-0110	AVE TIBBITTS	Fracture multiple; Broken	Lining
31	1294-0859	1294-0856	ALLEY	Hole	Point repair
32	1294-0256	1294-0255	MC BEAN PKWY	Fracture multiple	Lining
33	1294-0219	1294-0220	VISTA DELGADO DR	Fracture multiple	No action needed*
34	1333-0201	1333-0198	EASEMENT	Fracture multiple	No action needed*
35	1294-0255	1294-0254	MC BEAN PKWY	Fractures	Lining
36	1295-0675	1295-TRNK	AUTO CENTER CT	No structural deficiencies	No action needed*
37	1294-0256	1294-0257	MC BEAN PKWY	Fractures	No action needed*
38	1297-0603	1297-0644	NEWHALL AVE	No structural deficiencies	No action needed*
39	1295-0429	1295-0428	ALLEY	Fracture multiple	No action needed*
40	1334-0110	1334-0111	EASEMENT	No structural deficiencies	No action needed*
41	1255-0003	1256-0021	AVE CROCKER	Fracture multiple	No action needed*
42	1295-0433	1295-0432	PARKING LOT	Fractures; Broken	Lining
43	1294-0186	1294-0185	SANTA CLARITA RD	Fractures	No action needed*
44	1298-0256	1298-0257	CROSS ST	Fracture multiple	No action needed*
45	1334-0027	1333-0103	AVENIDA TERRAZA	Fracture multiple	Lining
46	1334-0103	1334-0024	BARBACOA DR	Fracture multiple	No action needed*
47	1333-0054	1333-0055	BARCOTTA DR	No structural deficiencies	No action needed*
48	1333-0376	1333-0375	THEODORE CT	No structural deficiencies	No action needed*
49	1294-0243	1294-0244	VISTA ENCANTADA DR	Fracture multiple	Lining
50	1334-0013	1334-0014	BOUQUET CANYON RD	Fractures	No action needed*

*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1415A)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
51	1295-0501	1295-0503	ISLAND RD	No structural deficiencies	No action needed*
52	1297-0638	1297-0635	NEWHALL AVE	No structural deficiencies	No action needed*
53	1295-0161	1295-0151	MC BEAN PKWY	No structural deficiencies	No action needed*
54	1298-0125	1298-0124	MENTRY DR	Fracture multiple	Point repair
55	1294-0507	1294-0505	TRINIDAD CT	Fracture multiple; Broken	Lining
56	1256-0117	1256-0120	ANZA DR	Fracture multiple	No action needed*
57	1337-0044	1337-0037	SAN FERNANDO RD	No structural deficiencies	No action needed
58	1294-0293	1294-0305	WEATHERSFIELD DR	Fractures	No action needed*
59	1294-0243	1294-0242	VISTA ENCANTADA DR	Fracture multiple; Broken	Point repair
60	1294-0243	1294-0245	VISTA ROSINA DR	Fracture multiple	No action needed*
61	1337-0079	1337-0076	VALLE DEL ORO	Fracture multiple	Lining
62	1333-0153	1333-0152	CHERAW DR	Fracture multiple	Lining
63	1333-0090	1333-0091	BARBACOA DR	Fractures	No action needed*
64	1297-0748	1297-0749	VIA CORSA	Fracture multiple	No action needed*
65	1294-0308	1294-0295	WOODLAWN CT	Fractures	No action needed*
66	1294-0232	1294-0233	JARANA CT	Fracture multiple	No action needed*
67	1294-0113	1294-0127	BARCOTTA DR	No structural deficiencies	No action needed*
68	1255-0009	1255-0010	AVE HALL	Fracture multiple	Lining
69	1298-0352	1298-0351	EASEMENT	Fracture multiple	Lining
70	1334-0023	1334-0022	BARBACOA DR	Fracture multiple	No action needed*
71	1333-0091	1333-0092	BARBACOA DR	Fractures	No action needed*
72	1333-0006	1333-0005	SEAVEN CT	Fractures	No action needed*
73	1298-0260	1298-0262	8TH ST	Fracture multiple	No action needed*
74	1298-0294	1298-0293	SHADELAND DR	Fracture multiple	No action needed*
75	1297-0637	1297-0636	CHESTNUT ST	Fracture multiple	Lining

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ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1415A)

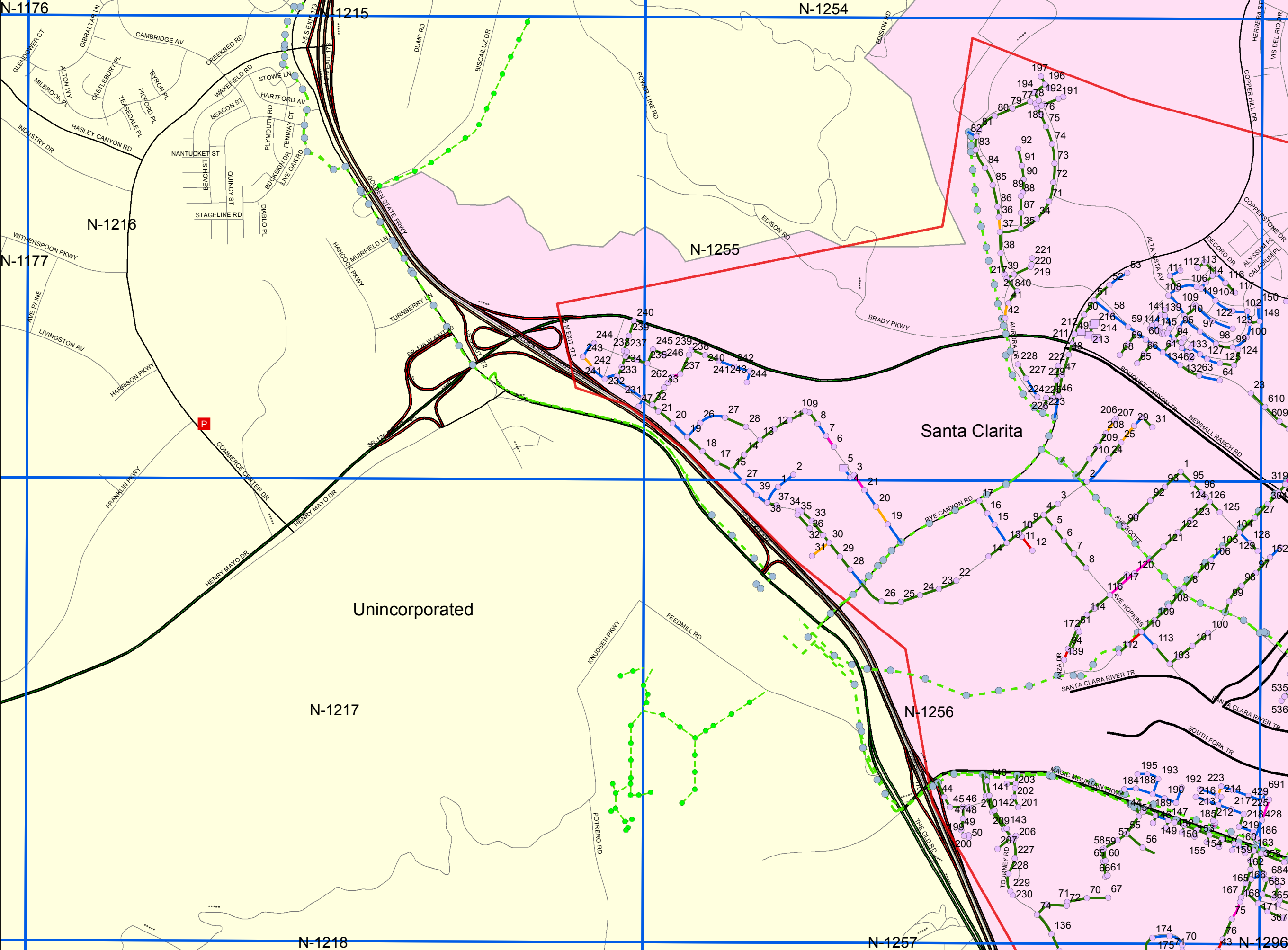
ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
76	1297-0570	1297-0569	ARCADIA ST	Fracture multiple	Lining
77	1295-0054	1295-0057	FESTIVIDAD DR	Fractures	No action needed*
78	1294-0307	1294-0294	DUXBURY PL	Fractures	No action needed*
79	1294-0224	1294-0225	VISTA DELGADO DR	Fractures	No action needed*
80	1256-0118	1256-0117	ANZA DR EASE	Fracture multiple	Lining
81	1256-0075	1256-0168	EASEMENT	Fracture multiple	No action needed*
82	1334-0067	1334-0068	LOS TIGRES DR	Fractures	No action needed*
83	1334-0048	1334-0049	ALCON DR	Fractures	No action needed*
84	1332-0102	1332-0103	SECO CYN RD	No structural deficiencies	No action needed*
85	1298-0221	1297-0467	VERMONT DR	Fracture multiple	No action needed*
86	1337-0014	1337-0013	SAN FERNANDO RD	Fracture multiple	No action needed*
87	1333-0127	1333-0128	GARZA DR	Fracture multiple	Lining
88	1294-0291	1294-0292	CUESPORT DR	Fractures	No action needed*
89	1256-0185	1256-0185	MAGIC MOUNTAIN PKWY	Fracture multiple	No action needed*
90	1298-0176	1298-0175	ARLEN DR	Broken	Point repair
91	1333-0089	1333-0090	BARBACOA DR	Fracture multiple	No action needed*
92	1298-0320	1298-0319	WHEELER DR	Fracture multiple	No action needed*
93	1298-0177	1298-0180	APPLE ST	Fracture multiple	No action needed*
94	1297-0848	1297-0847	RAILROAD AV	Fracture multiple	No action needed*
95	1297-0777	1297-0778	VIA SISTINE	Fracture multiple	No action needed*
96	1297-0686	1297-0685	VIA HISPANO	Fracture multiple	No action needed*
97	1297-0627	1297-0626	16TH ST	Fractures	No action needed*
98	1297-0554	1297-0553	WAYMAN ST	Fractures; Broken	No action needed*
99	1297-0490	1297-0489	EASEMENT	Fractures	No action needed*
100	1295-0244	1295-0245	LITTLE DR	No structural deficiencies	No action needed

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ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (Y0TV1415A)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
101	1295-0282	1295-0288	DUNSMORE DR	Fractures	No action needed*
102	1295-0036	1295-0037	CUERVO DR	Fracture multiple	No action needed*
103	1294-0295	1294-0296	CUESPORT DR	Fractures	No action needed*
104	1294-0306	1294-0305	BINGHAM CT	Fractures	No action needed*
105	1294-0162	1294-0283	DECORO DR	Fractures; Broken	No action needed*
106	1294-0169	1294-0170	GUADILAMAR DR	No structural deficiencies	No action needed
107	1294-0080	1294-0081	POPLAR GLEN CR	Fractures	No action needed*
108	1294-0055	1294-0054	PAMPLICO DR	Fracture multiple; Broken	Point repair
109	1293-0044	1293-0047	SECO CYN RD	Fracture multiple	No action needed*
110	1293-0047	1293-0046	COPPER HILL DR	Fracture multiple	No action needed*
111	1256-0116	1256-0117	ANZA DR	Fractures	No action needed*
112	1256-0120	Trunk-2	ANZA DR	Fractures	No action needed*
113	1255-0006	1255-0007	AVE CROCKER	Fracture multiple	No action needed*
114	1294-0691	1295-0319	DICKASON DR	Fracture multiple	No action needed*
115	1337-0009	1337-0008	NEWHALL AVE	Fractures	No action needed*
116	1334-0038	1334-0016	ALAMOGORDO RD	Fracture multiple	No action needed*
117	1336-0123	1297-0609	SPRUCE ST	Fractures	No action needed*
118	1255-0237	1255-0236	EASEMENT	Fracture multiple	No action needed*
119	1512-0244	1512-0243	SHENANDOAH LN	Broken	No action needed*
120	1512-0246	1512-0203	ARCHES LN	Fracture multiple	No action needed*

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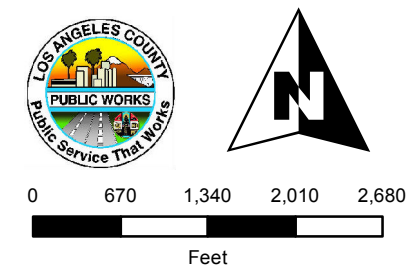
ENCLOSURE 3

CCTV PROJECT

Y0TV1415A

CITY OF SANTA CLARITA

QUICK STRUCTURAL RATING (QSR)



- Legend**
- SMD Sanitary Sewers**
- QSR**
- 1: MINOR
 - 2: MINOR TO MODERATE
 - 3: MODERATE
 - 4: SIGNIFICANT
 - 5: MOST SIGNIFICANT
- SMD Manholes**
- Other
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - SMD Pump Stations
 - SMD Treatment Plants
 - Trunk Sewerlines
 - Non SMD Sanitary Sewers
 - Non SMD Maintained MH
 - SMD Operations Maps
 - CCTV Project Area

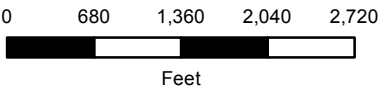
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June 2018

ENCLOSURE 3
CCTV PROJECT
Y0TV1415A

**CITY OF
SANTA CLARITA**

**QUICK
STRUCTURAL
RATING
(QSR)**



Legend

SMD Sanitary Sewers

- QSR**
- 1: MINOR
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SMD Manholes

Other

Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon

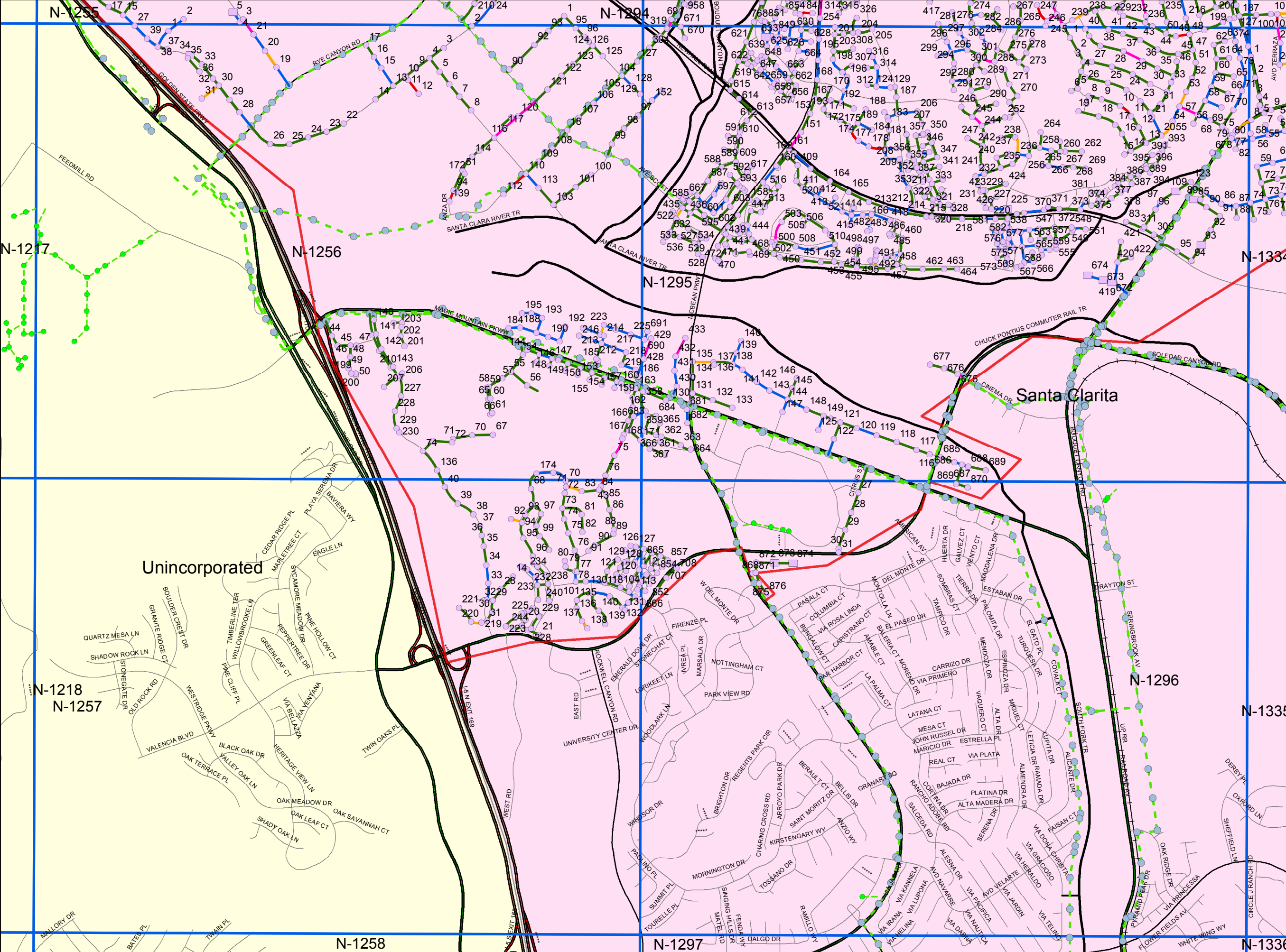
P SMD Pump Stations

WTP SMD Treatment Plants

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV Project Area

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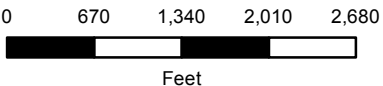
ENCLOSURE 3

CCTV PROJECT

Y0TV1415A

CITY OF
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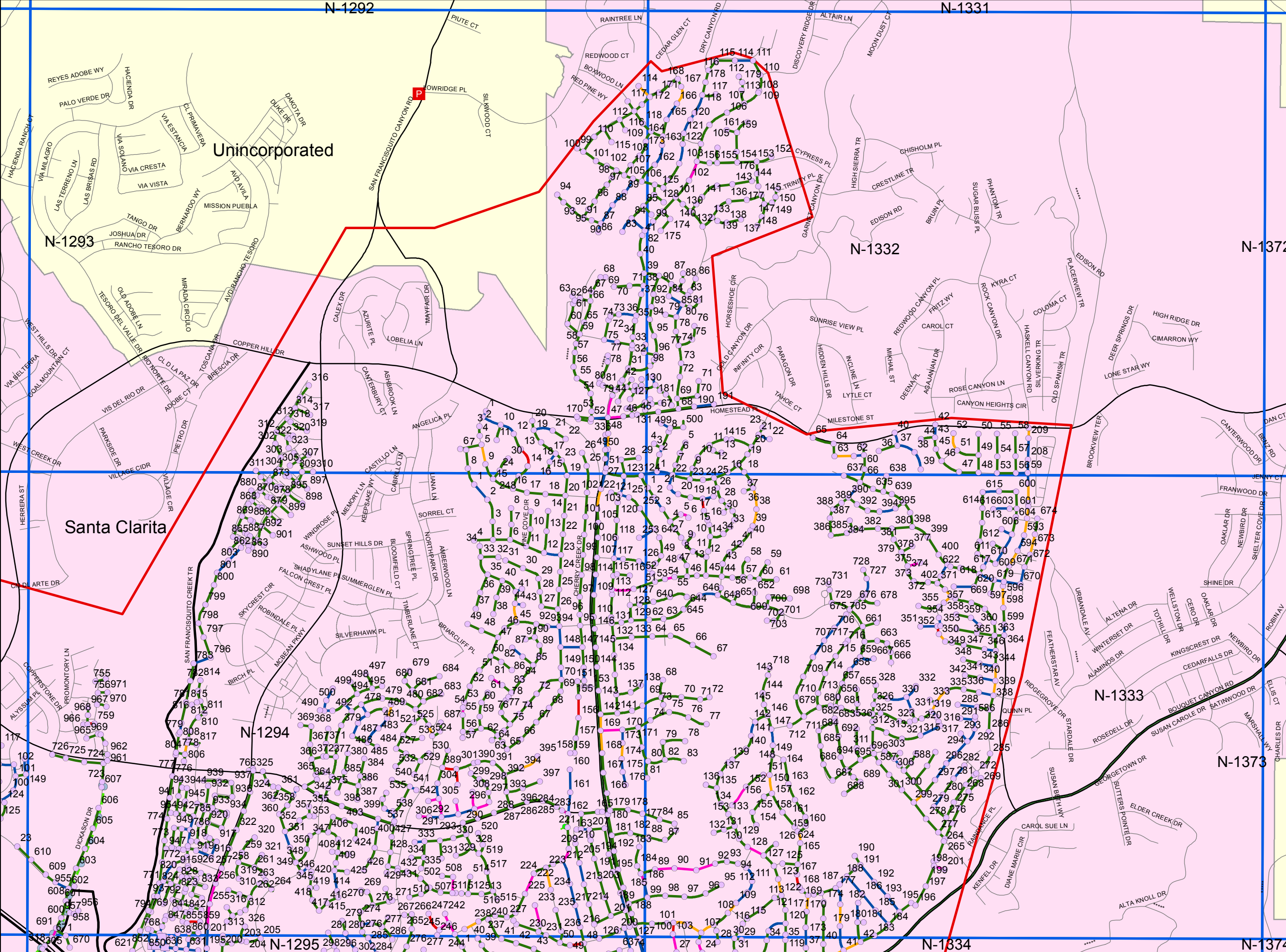
Manhole Type

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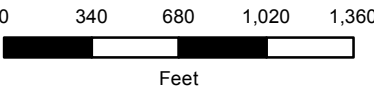
June 2018



ENCLOSURE 3
CCTV PROJECT
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**CITY OF
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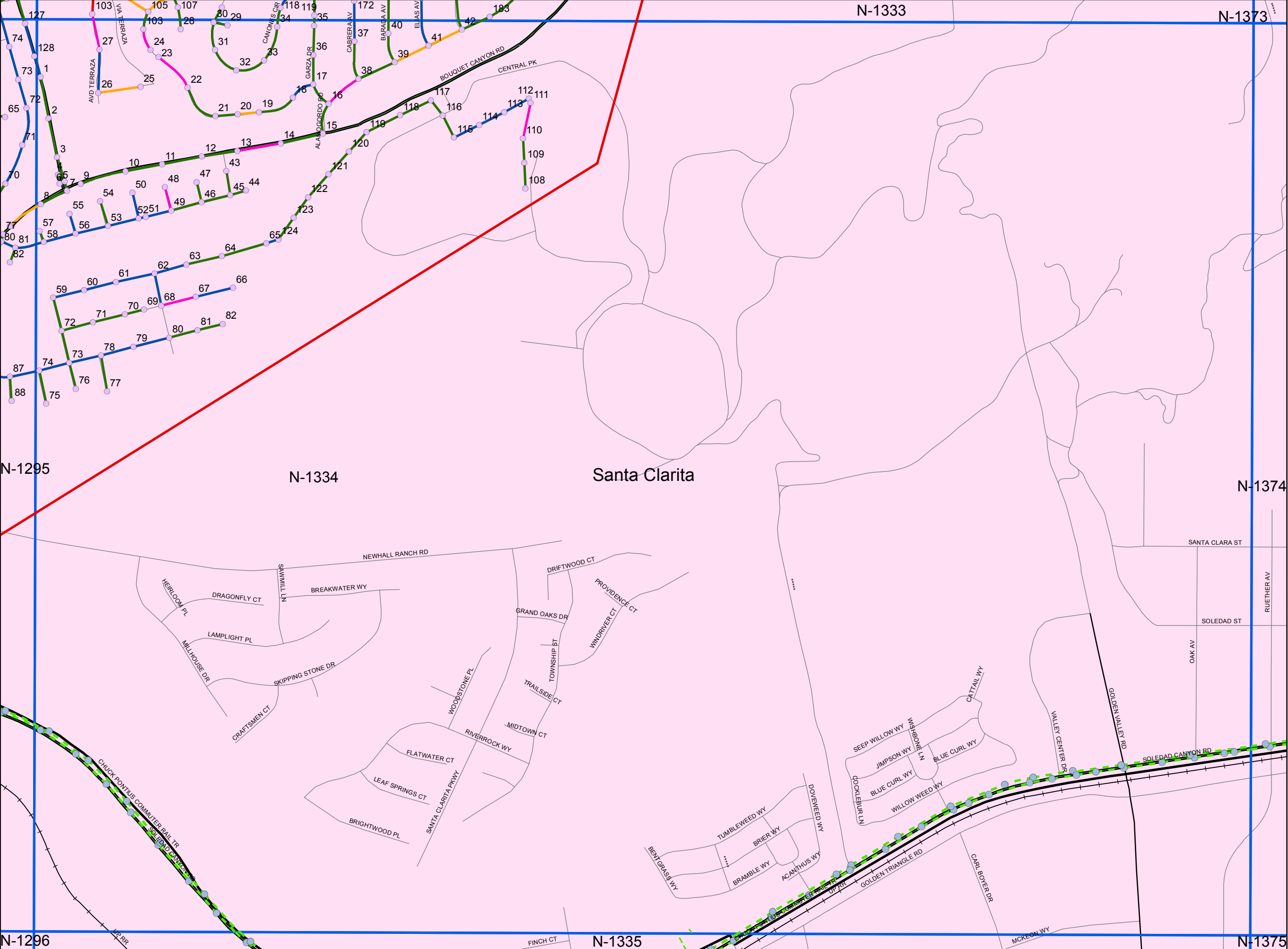
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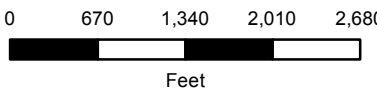
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ENCLOSURE 3
CCTV PROJECT
Y0TV1415A

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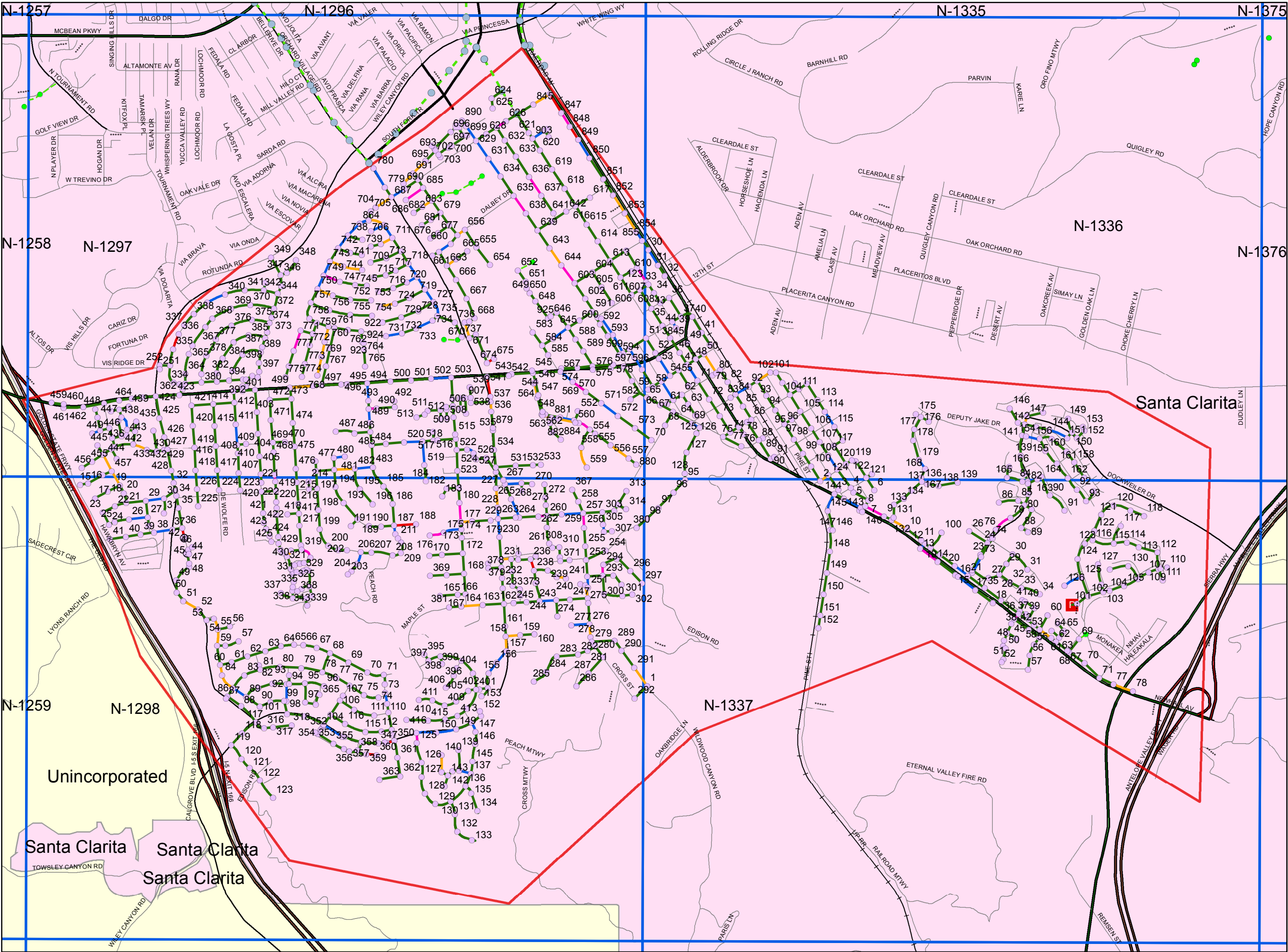
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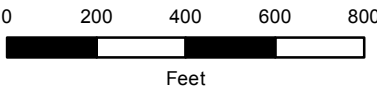
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