



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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November 19, 2013

IN REPLY PLEASE

REFER TO FILE: **SM-1**

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

Attention Mr. Alex Hernandez

Dear Mr. Newman:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV0910D**

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 329,847 feet or 16.3 percent of the City of Santa Clarita's sewer system.

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

- Condition Assessment Report
- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Report Priority List and Quick Maintenance Rating Map (Enclosure 2)
- High Water Levels List and Map (Enclosure 2)
- Infiltration List and Map (Enclosure 2)
- Quick Structural Rating Report Priority List, Quick Structural Rating Map, and Lining and Point Repair Projects Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Mr. Robert G. Newman
November 19, 2013
Page 2

The Condition Assessment Report provides details regarding the maintenance and structural condition of your City's sewer mainlines. This information should be included in your agency's Sewer System Management Plan as a reference in Chapter 8.0 System Evaluation and Capacity Assurance Plan. The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of our ongoing Accumulative Capital Outlay Project.

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

Very truly yours,

GAIL FARBER
Director of Public Works



RAJESH PATEL
Assistant Deputy Director
Sewer Maintenance Division

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Enc.

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

PROJECT NAME:	Y0TV0910D	PROJECT MGR:	Eric Liu
PROJECT DATE:	01/31/2011	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	5	MAP PAGE(S):	1334, 1335, 1374, 1375, 1376, 1416, 1417, 1418
Report By:	Eric Liu	Report Date:	11/04/2013

INTRODUCTION

As part of our Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 329,847 feet or 16.3 percent of the City of Santa Clarita's (City) sewer system as part of this condition assessment report. A copy of this report can also be found at the District's website at <http://dpw.lacounty.gov/smd/cctv/city/>.

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP Version 6.0.1) Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project No. Y0TV0910D included sewer lines located in the unincorporated County of Los Angeles and in the Cities of Carson 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 detailed breakdown 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 88 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 12 percent of the inspected pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our enhanced maintenance schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

In addition, a color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	1,951	0.6	22
2: Minor to Moderate	288,245	87.4	1,478
3: Moderate	18,762	5.7	84
4: Significant	17,140	5.2	72
5: Most Significant	3,749	1.1	17
TOTAL	329,847	100.0	1,673

Lateral Notices

Also included on the Quick Maintenance Rating Report Priority List are deficiencies discovered inside the private lateral connections to 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. As a result of this condition assessment, 71 notices will be sent to property owners in your City notifying them of the maintenance issues discovered in their lateral. 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 inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which indicated the camera was underwater or there were sags in the line. A sewer pipe can be considered at capacity when 50 percent of the diameter of sewer pipe is full of water. However, there are particular 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 due to debris in the sewer lines, or a sag in the line. Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any.

The sewer segments associated with high water levels appear to be the result of sags in the line or being located upstream to an adjoining trunk line, which do not impact its capacity. The pipe segments with sags have been cleaned to remove any debris in the line.

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

Infiltration

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

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

STRUCTURAL REPORT

Our inspection revealed that approximately 95.9 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 4.1 percent of the inspected pipe segments had a PACP structural grade of 4 and 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 64 in the Quick Structural Rating Report Priority List (Enclosure 3), which require a corrective action, the proposed repair or replacement will be scheduled in the next 24 months as part of our ongoing Accumulative Capital Outlay Program.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 64 segments are included in Enclosure 4. A map showing the sewer lines that need lining and point repair is also provided in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	283,918	86.0	1,471
2: Minor to Moderate	5,842	1.8	26
3: Moderate	26,586	8.1	112
4: Significant	9,701	2.9	42
5: Most Significant	3,800	1.2	22
TOTAL	329,847	100.0	1,673

FUTURE PROJECTS

The Sewer Condition Assessment Program will perform CCTV inspections of the remaining 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	16.3	COMPLETED
2013-14	Y0TV1314A1	758,973	37.5	IN PROGRESS
2014-15	Y0TV1415A	935,650	46.2	FUTURE
TOTAL		2,024,470	100.0	

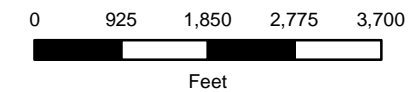
ENCLOSURE 1:

Project Overview Map

OVERVIEW MAP

CCTV PROJECT YOTV0910D

CITY OF SANTA CLARITA



Legend

— SMD Sanitary Sewers

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

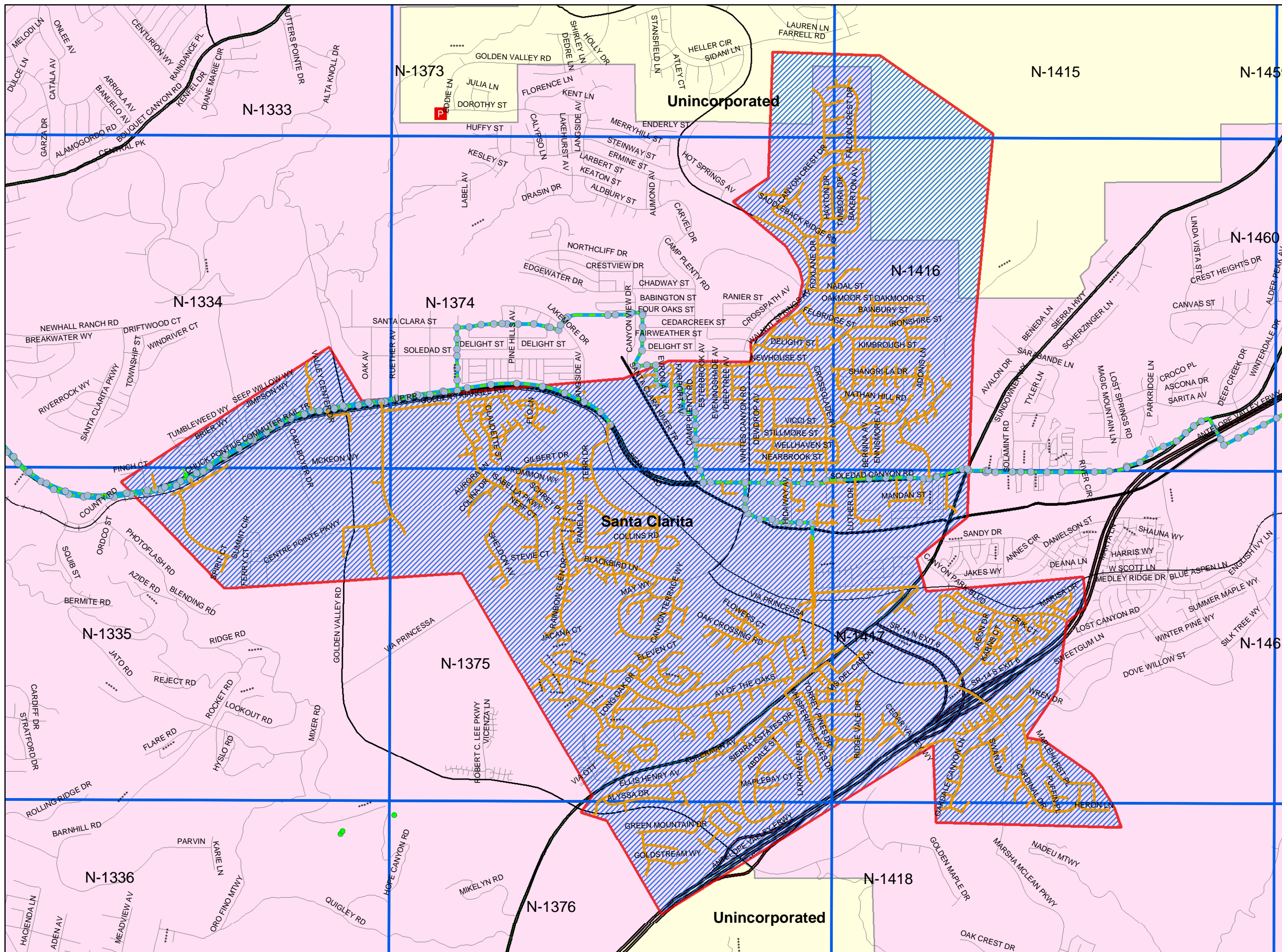
● Non SMD Maintained MH

□ SMD Operations Maps

▨ CCTV PROJECT AREA

This map is intended only for internal operations of the Los Angeles County Sewer Maintenance Districts. Los Angeles County expressly disclaims any liability for any inaccuracies which may be present in this map. Data contained in this map is produced in whole or part from the Thomas Bros. Maps® digital database. This map is copyrighted, and reproduced with permission granted, by Thomas Bros. Maps®. All rights reserved.

OCTOBER 2013



Unincorporated

Santa Clarita

Unincorporated

ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)
as of 01/31/2011

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5241	1375-0150	1375-0151	FRIENDLY VALLEY PY	Hard deposits in break-in laterals	Lateral notice will be sent to property owner.
2	5231	1376-0033	1376-0034	OAKFLAT CT	Root medium lateral; lateral liner intrusion blocks flow	Lateral notice will be sent to property owner.
3	5221	1375-0375	1375-0374	FLOWERS CT	Grease	Hydro (completed 08/27/2012)
4	514A	1376-0038	1376-0039	EASEMENT	Deposit attached encrustation; camera under water	Hydro (completed 11/26/2012)
5	5149	1375-0085	1375-0114	EASEMENT	Camera under water; small root; alignment change	Hydro (completed 11/30/2012)
6	5149	1375-0317	1375-0325	PRIVATE RD	Deposit settled; camera under water	Hydro (completed 11/30/2012)
7	5146	1375-0167	1375-0166	EASEMENT	Deposit settled; camera under water	Hydro (completed 08/27/2012)
8	5146	1375-0337	1375-0336	RAINBOW GLEN DR	Camera under water	Hydro (completed 11/30/2012)
9	5142	1417-0009	1417-0008	LUTHER DR	Camera under water	Hydro (completed 12/03/2012)
10	5141	1375-0042	1375-0041	EASEMENT	Roots; camera under water	Hydro (completed 08/20/2012)
11	5141	1375-0390	1375-0142	ABDALE ST	Root ball lateral; deposit attached encrustation	Hydro (completed 11/30/2012) Lateral notice will be sent to property owner.
12	5141	1335-0018	1375-0694	CENTRE POINTE PKWY	Camera under water	Hydro (completed 08/10/2012)
13	5141	1374-0473	1374-0472	GOLDEN TRIANGLE RD	High water level	Hydro (completed 08/13/2012)
14	5141	1375-0468	1375-0465	RAINBOW GLEN DR	Camera under water	Hydro (completed 08/27/2012)
15	512H	1376-0009	1376-0008	GOLDSTREAM WY	Heavy grease; deposit attached grease	Hydro (completed 11/26/2012)
16	5100	1375-0077	1375-0076	AVE OF THE OAKS	Grease	Hydro (completed 08/20/2012)
17	4L00	1374-0362	1374-0361	EASEMENT	Camera under water	Hydro (completed 08/13/2012)
18	4G22	1374-0454	1374-0453	PRIVATE RD	Camera under water	Hydro (completed 08/13/2012)
19	4C21	1375-0031	1375-0381	EASEMENT	Camera under water	Hydro (completed 05/23/2013)
20	4B34	1417-0279	1417-0417	EASEMENT	Camera under water	Hydro (completed 07/12/2012)
21	4B32	1417-0020	1417-0019	VILNA AV	Camera under water	Hydro (completed 12/03/2012)
22	4B21	1335-0019	1335-0020	CENTRE POINTE PKWY	Camera under water	Hydro (completed 08/10/2012)
23	4A21	1374-0358	1374-0359	TERRI DR	Camera under water	Hydro (completed 08/13/2012)
24	4931	1334-0105	1334-0104	EASEMENT	Camera under water	Hydro (completed 08/10/2012)
25	4821	1416-0066	1416-0065	VICCI ST	Root ball lateral; medium roots	Rodder (completed 05/22/2013) Lateral notice will be sent to property owner.
26	4800	1375-0430	1375-0431	SIERRA HWY	Camera under water	Hydro (completed 11/30/2012)
27	4631	1417-0102	1417-0032	SOLEDAD CYN RD	Camera under water	Hydro (completed 05/08/2013)
28	4531	1375-0374	1375-0373	FLOWERS CT	Camera under water	Hydro (completed 08/27/2012)
29	4435	1375-0131	1375-0126	EASEMENT	Root ball lateral; roots	Rodder (completed 11/16/2012) Lateral notice will be sent to property owner.
30	4333	1417-0276	1417-0277	PRIVATE RD	High water level; camera under water	Hydro (completed 07/12/2012)
31	4325	1416-0274	1416-0273	DARTER DR	Root ball lateral; roots	Rodder (completed 05/22/2013) Lateral notice will be sent to property owner.
32	4321	1375-0044A	1375-0043	EASEMENT	Roots	Rodder (completed 08/24/2012)
33	4234	1375-0135	1375-0134	EASEMENT	Root ball lateral; roots	Rodder (completed 11/16/2012) Lateral notice will be sent to property owner.
34	4233	1375-0129	1375-0128	SIERRA ESTATES DR	Root ball lateral; medium roots	Hydro (completed 02/15/2013) Lateral notice will be sent to property owner.
35	4232	1375-0279	1375-0288	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
36	4232	1375-0371	1375-0372	OAK PLAZA CT	Root ball lateral; roots	Rodder (completed 11/09/2012) Lateral notice will be sent to property owner.
37	4231	1375-0126	1375-0125	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
38	4231	1417-0276	1417-0271		High water level; camera under water	Hydro (completed 07/12/2012)
39	422A	1375-0141	1375-0142	ABDALE ST	Root ball lateral; grease; roots; deposit attached encrustation	Rodder (completed 11/09/2012) Lateral notice will be sent to property owner.
40	4226	1374-0391	1374-0392	EVENINGSHADE AVE	Root medium lateral; root ball lateral	Lateral notice will be sent to property owner.
41	4221	1375-0117	1375-0116	EASEMENT	Root ball lateral; alignment change	Lateral notice will be sent to property owner.
42	4221	1417-0454	1417-0453	OAKDALE CANYON LN	High water level	Hydro (completed 07/12/2012)
43	4200	1417-0092	1417-0094	RIDGE VALE DR	Deposit attached encrustation; heavy grease	Hydro (completed 11/26/2012)
44	413C	1375-0279	1375-0168	FRIENDLY VALLEY PY	Roots	Rodder (completed 11/09/2012)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)
as of 01/31/2011

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
45	4136	1375-0056	1375-0059	ALLEY	Root ball lateral; roots medium	Hydro (completed 08/20/2012) Lateral notice will be sent to property owner.
46	4133	1375-0072	1375-0161	EASEMENT	Root ball lateral; alignment change	Lateral notice will be sent to property owner.
47	4133	1417-0459	1417-0458	MARABOU PL	Heavy deposits settled	Hydro (completed 07/12/2012)
48	4132	1416-0266	1416-0265	OAKMOOR ST	Root ball lateral; medium roots	Hydro (completed 08/31/2012) Lateral notice will be sent to property owner.
49	4132	1417-0099	1417-0098	VALLEY POINT LN	Root medium lateral; grease	Hydro (completed 12/03/2012) Lateral notice will be sent to property owner.
50	4131	1374-0407	1374-0406	CROSSGLADE AV	Water mark; root ball lateral; roots	Hydro (completed 08/13/2012) Lateral notice will be sent to property owner.
51	4131	1375-0035	1375-0033	EASEMENT	Roots	Rodder (completed 08/24/2012)
52	4131	1375-0053	1375-0051	EASEMENT	Root ball lateral; high water level	Rodder (completed 08/24/2012) Lateral notice will be sent to property owner.
53	4131	1375-0056	1375-0055	ALLEY	Root small lateral; deposit settled; debris	Hydro (completed 08/20/2012)
54	4131	1375-0095	1417-0099	VALLEY POINT LN	Roots; grease	Rodder (completed 08/24/2012)
55	4131	1375-0124	1375-0123	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
56	4131	1375-0139	1375-0129	SIERRA ESTATES DR	Root ball lateral; roots	Hydro (completed 02/15/2013) Lateral notice will be sent to property owner.
57	4131	1375-0285	1375-0284	EASEMENT	Root small lateral	No action needed.
58	4131	1375-0302	1375-0293	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
59	4131	1376-0007	1376-0006	MOUNTAIN PASS RD	Roots	Hydro (completed 05/23/2013)
60	4131	1416-0031	1416-0030	BAINBURY ST	Root ball lateral; medium roots	Rodder (completed 05/22/2013) Lateral notice will be sent to property owner.
61	4131	1417-0013	1417-0014	EASEMENT	Deposit settled compact; medium roots	Hydro (completed 12/03/2012)
62	412J	1375-0101	1375-0104	LARK HEAVEN PL	Grease; deposit attached encrustation; alignment change	Hydro (completed 08/20/2012)
63	412C	1375-0093	1375-0094	TORREY PINES DR	Grease; root ball lateral	Rodder (completed 08/24/2012) Lateral notice will be sent to property owner.
64	412A	1375-0143	1375-0142	BEACHGROVE CT	Roots; grease	Rodder (completed 11/09/2012)
65	4125	1374-0392	1374-0393	EVENINGSHADE AVE	Root ball lateral; root medium lateral	Lateral notice will be sent to property owner.
66	4125	1375-0296	1375-0295	OAK HIGHLAND DR	Root ball lateral	Lateral notice will be sent to property owner.
67	4124	1374-0166	1374-0150	GOODVALE RD	Root ball lateral	Lateral notice will be sent to property owner.
68	4124	1376-0039	1376-0042	SANTA MARIA DR	Deposit attached encrustation; debris near End MH 42	Hydro (completed 11/26/2012)
69	4124	1416-0269	1416-0270	BAINBURY ST	Root ball lateral	Lateral notice will be sent to property owner.
70	4124	1416-0273	1416-0272	DARTER DR	Root ball lateral; roots	Rodder (completed 05/22/2013) Lateral notice will be sent to property owner.
71	4123	1417-0271	1417-0261	CANYON PARK BV	Alignment down	No action needed.
72	4122	1374-0152	1374-0151	FOXLANE DR	Root ball lateral	Lateral notice will be sent to property owner.
73	4122	1374-0153	1374-0575	FOX LANE DR	Root ball lateral	Lateral notice will be sent to property owner.
74	4122	1374-0154	1374-0153	FOXLANE DR	Obstacle; root ball lateral	Hydro (completed 08/10/2012) Lateral notice will be sent to property owner.
75	4122	1374-0156	1374-0155	FOXLANE DR	Root ball lateral	Lateral notice will be sent to property owner.
76	4122	1374-0157	1374-0156	FOXLANE DR	Root ball lateral; deposit attached grease	Hydro (completed 08/13/2012) Lateral notice will be sent to property owner.
77	4122	1375-0087	1375-0088	TORREY PINES DR	Root ball lateral; debris; deposit settled	Rodder (completed 08/24/2012) Lateral notice will be sent to property owner.
78	4122	1375-0109	1375-0140	ABDALE ST	Deposit settled	Hydro (completed 08/20/2012)
79	4122	1416-0270	1416-0263	BAINBURY ST	Root ball lateral	Lateral notice will be sent to property owner.
80	4121	1375-0117	1375-0123	EASEMENT	Roots; high water level	Rodder (completed 11/16/2012)
81	4121	1375-0160	1375-0156	AVE OF THE OAKS	Root ball lateral	Lateral notice will be sent to property owner.
82	4121	1375-0168	1375-0165	AVE OF THE OAKS	Root ball lateral	Lateral notice will be sent to property owner.
83	4121	1375-0293	1375-0170	OAK HIGHLAND DR	Root medium lateral	Lateral notice will be sent to property owner.
84	4121	1375-0301	1375-0300	EASEMENT	Root ball lateral; roots	Rodder (completed 11/09/2012) Lateral notice will be sent to property owner.
85	4121	1375-0333	1375-0351	PRIVATE RD	Root ball lateral; alignment change	Lateral notice will be sent to property owner.
86	4121	1417-0226	1417-0227	PRIVATE RD	Root ball lateral	Lateral notice will be sent to property owner.
87	4121	1418-0007	1418-0006	PARTRIDGE DR	Grease; infiltration runner	Hydro (completed 07/12/2012)
88	4121	1417-0705	1417-0704	MAPLEHURST PL	Infiltration runner	No action needed.
89	4100	1375-0052	1375-0040	EASEMENT	Roots	Rodder (completed 08/24/2012)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)
as of 01/31/2011

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
90	4100	1375-0102	1375-0103	FAIRGATE AV	Deposit settled; alignment change; deposit attached encrustation	Hydro (completed 08/20/2012)
91	3721	1375-0054	1375-0053	EASEMENT	Medium roots	Rodder (completed 08/24/2012)
92	3521	1375-0283	1375-0282	PRIVATE RD	Roots	Rodder (completed 11/09/2012)
93	3521	1417-0278	1417-0277	PRIVATE RD	High water mark; high water level	Hydro (completed 07/12/2012)
94	3421	1375-0068	1375-0074	WHISPERING LVS DR	Small root; root small lateral	No action needed.
95	3421	1375-0126	1375-0127	BANNERMAN AV	Root medium lateral; medium roots	Rodder (completed 11/16/2012) Lateral notice will be sent to property owner.
96	3322	1375-0159	1375-0160	ALLEY	Root small lateral; small roots	No action needed.
97	3321	1375-0035A	1375-0035	EASEMENT	Roots	Rodder (completed 05/22/2013)
98	3321	1375-0359	1375-0360	OAK BRANCH CR	Root ball lateral; alignment change	Lateral notice will be sent to property owner.
99	3321	1417-0279	1417-0278	PRIVATE RD	High water level	Hydro (completed 07/12/2012)
100	3300	1375-0051	1375-0052	EASEMENT	Roots medium	Rodder (completed 08/24/2012)
101	3229	1417-0246	1417-0247	JASON DR	Deposits attached; high water level	Hydro (completed 07/12/2012)
102	3226	1375-0148	1375-0147	ABDALE ST	Root medium lateral; medium roots	Rodder (completed 11/09/2012) Lateral notice will be sent to property owner.
103	3225	1374-0163	1374-0153	CABRAL ST	Root medium lateral	Lateral notice will be sent to property owner.
104	3223	1335-0034	1335-EAST	CENTRE POINTE PKWY	Deposit attached encrustation	Hydro (completed 08/10/2012)
105	3223	1374-0406	1374-0405	NEWHOUSE ST	Root ball lateral; root medium lateral	Lateral notice will be sent to property owner.
106	3222	1375-0072	1375-0073	OAK CROSSING RD	Roots	Rodder (completed 08/24/2012)
107	3222	1375-0106	1375-0107	POINT ARENA PL	Debris	Hydro (completed 08/20/2012)
108	3222	1417-0459	1417-0461	STARLING CR	Heavy deposits settled	Hydro (completed 07/12/2012)
109	3221	1375-0094	1375-0088	TORREY PINES DR	Root medium lateral	Lateral notice will be sent to property owner.
110	3221	1375-0117	1375-0118	OAK CROSSING RD	Root medium lateral	Lateral notice will be sent to property owner.
111	3221	1375-0361	1375-0360	OAK CROSSING RD	Root medium lateral	Lateral notice will be sent to property owner.
112	3200	1375-0429	1375-0321	EASEMENT	Alignment change; roots	Hydro (completed 11/30/2012)
113	3200	1375-0119	1375-0120	SIERRA ESTATES	Root ball lateral; roots	Rodder (completed 11/16/2012) Lateral notice will be sent to property owner.
114	3200	1417-0432	1417-0434	PRIVATE RD	High water level	Hydro (completed 07/12/2012)
115	312D	1375-0100	1375-0105	WHISPERING LVS DR	Alignment change; medium roots	Rodder (completed 11/16/2012)
116	312D	1417-0093	1417-0092	MOUNTAIN DALE CT	Grease	Hydro (completed 11/26/2012)
117	312C	1375-0323	1375-0303	EASEMENT	Alignment change; deposit attached encrustation; grease	Hydro (completed 08/27/2012)
118	312B	1417-0084	1417-0086	CEDAR VALLEY WY	Alignment change; grease	Hydro (completed 12/03/2012)
119	312A	1375-0377	1375-0376	FLOWERS CT	Root ball lateral	Lateral notice will be sent to property owner.
120	3126	1416-0066	1416-0067	VICCI ST	Heavy grease	Hydro (completed 08/31/2012)
121	3125	1376-0028	1376-0029	GREEN MOUNTAIN DR	Deposit attached encrustation; grease	Hydro (completed 11/26/2012)
122	3124	1375-0382	1375-0132	EASEMENT	Root medium lateral	Lateral notice will be sent to property owner.
123	3124	1375-0424	1375-0425	AZURE FIELD DR	Root small lateral	No action needed.
124	3124	1417-0067	1416-0066	VICCI ST	Deposit attached encrustation; heavy grease	Hydro (completed 12/03/2012)
125	3123	1374-0396	1374-0395	DEERTREE AVE	Root medium lateral	Lateral notice will be sent to property owner.
126	3123	1375-0172	1375-0171	MESA OF THE OAKS	Root small lateral	No action needed.
127	3122	1374-0184	1374-0186	DELIGHT ST	Roots	Hydro (completed 08/13/2012)
128	3122	1374-0440	1374-0421	CROSSGLADE AV	Root medium lateral	Lateral notice will be sent to property owner.
129	3122	1375-0111	1375-0112	WHISPERING LVS DR	Grease	Hydro (completed 08/20/2012)
130	3122	1375-0120	1375-0110	OAK CROSSING RD	Small grease	No action needed.
131	3122	1375-0162	1375-0163	EASEMENT	High water level; deposit settled	Hydro (completed 08/27/2012)
132	3122	1375-0174	1375-0167	EASEMENT	Deposit attached	Hydro (completed 08/27/2012)
133	3122	1375-0354	1375-0205	PRIVATE RD	Alignment change; high water level	Hydro (completed 05/07/2013)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)
as of 01/31/2011

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
134	3122	1375-0583	1334-0092	GOLDEN TRIANGLE RD	Deposit settled; grease	Hydro (completed 05/07/2013)
135	3122	1376-0043	1376-0042	SANTA MARIA DR	High water level	Hydro (completed 11/26/2012)
136	3122	1416-0006	1416-0007	BOOKHAM DR	Root medium lateral	Lateral notice will be sent to property owner.
137	3122	1417-0237	1417-0472	VIA PRINCESSA	Deposit settled compact; debris	Hydro (completed 05/08/2013)
138	3121	1334-0089	1334-0090	OAK AVE	Grease	Hydro (completed 08/10/2012)
139	3121	1374-0368	1374-0370	PLEASANTDALE ST	Roots	Hydro (completed 08/13/2012)
140	3121	1374-0419	1374-0420	DRYCLIFF ST	High water level	Hydro (completed 08/13/2012)
141	3121	1374-0486	1374-0487	PRIVATE RD	High water level	Hydro (completed 08/20/2012)
142	3121	1375-0047	1375-0057	CIRCLE OF FRIENDS	Small root	No action needed.
143	3121	1375-0050	1375-0049	CIRCLE OF THE OAKS	Root small lateral	No action needed.
144	3121	1375-0066	1375-0065	EASEMENT	Medium roots	Rodder (completed 08/24/2012)
145	3121	1375-0067	1375-0064	EASEMENT	Small root	No action needed.
146	3121	1375-0070	1375-0067	EASEMENT	Small root	No action needed.
147	3121	1375-0072	1375-0071	OAK CROSSING RD	Small root	No action needed.
148	3121	1375-0112	1375-0113	WHISPERING LVS DR	Root small lateral	No action needed.
149	3121	1375-0133	1375-0134	EASEMENT	Root medium lateral	Lateral notice will be sent to property owner.
150	3121	1375-0147	1375-0390	ABDALE ST	Roots	Rodder (completed 11/09/2012)
151	3121	1375-0155	1375-0154	ALLEY	Medium roots	Rodder (completed 11/09/2012)
152	3121	1375-0164	1375-0160	AVE OF THE OAKS	Root medium lateral	Lateral notice will be sent to property owner.
153	3121	1375-0169	1375-0168	AVE OF THE OAKS	Root medium lateral	Lateral notice will be sent to property owner.
154	3121	1375-0295	1375-0294	OAK HIGHLAND DR	Root small lateral	No action needed.
155	3121	1375-0312	1375-0311	PRIVATE RD	Deposit settled; medium roots	Hydro (completed 11/30/2012)
156	3121	1375-0330	1375-0335	EASEMENT	Grease	Hydro (completed 11/30/2012)
157	3121	1375-0361	1375-0366	OAK CROSSING RD	Root medium lateral	Lateral notice will be sent to property owner.
158	3121	1375-0490	1375-0450	SWALLOW CT	Root medium lateral	Lateral notice will be sent to property owner.
159	3121	1375-0684	1375-0683	ELLIS HENRY AV	Deposit settled	Hydro (completed 11/30/2012)
160	3121	1376-0020	1376-0019	GREEN MOUNTIAN DR	Grease; deposit settled; heavy debris	Hydro (completed 05/08/2013)
161	3121	1416-0008	1416-0009	BAKERTON AV	Root medium lateral; grease	Hydro (completed 12/03/2012) Lateral notice will be sent to property owner.
162	3121	1416-0433	1416-0434	PRIVATE RD	Camera under water	Hydro (completed 12/03/2012)
163	3121	1417-0010	1417-0011	EASEMENT	Root medium lateral	Lateral notice will be sent to property owner.
164	3121	1417-0238	1417-0239	VIA PRINCESSA	High water level	Hydro (completed 05/08/2013)
165	3121	1417-0410	1417-0409	EASEMENT	Medium roots	Hydro (completed 05/23/2013)
166	3121	1417-0538	1417-0534	PETREL CR	Grease; heavy deposits settled	Hydro (completed 07/12/2012)
167	3121	1417-0709	1417-0712	TIMBER BRANCH PL	Grease; heavy deposits settled	Hydro (completed 07/12/2012)
168	3117	1374-0362	1374-TRNK	SOLEDAD CANYON RD	Grease	Hydro (completed 08/13/2012)
169	3100	1334-0100	1334-0101	GOLDEN TRIANGLE RD	High water level	Hydro (completed 08/13/2012)
170	3100	1375-0193	1375-0197	CIRCLE KNOLL CT	Grease	Hydro (completed 08/27/2012)
171	3100	1375-0136	1375-0152	SIERRA HWY	Root medium lateral	Lateral notice will be sent to property owner.
172	3100	1417-0585	1417-0106	EASEMENT	Debris	Hydro (completed 05/23/2013)
173	3100	1417-0426	1417-0425	PRIVATE RD	Small water mark	No action needed.

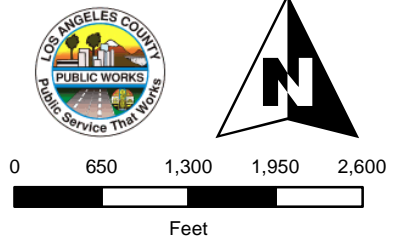
ENCLOSURE 2

CCTV PROJECT

YOTV0910D

CITY OF SANTA CLARITA

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers QMR

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

SMD Manholes

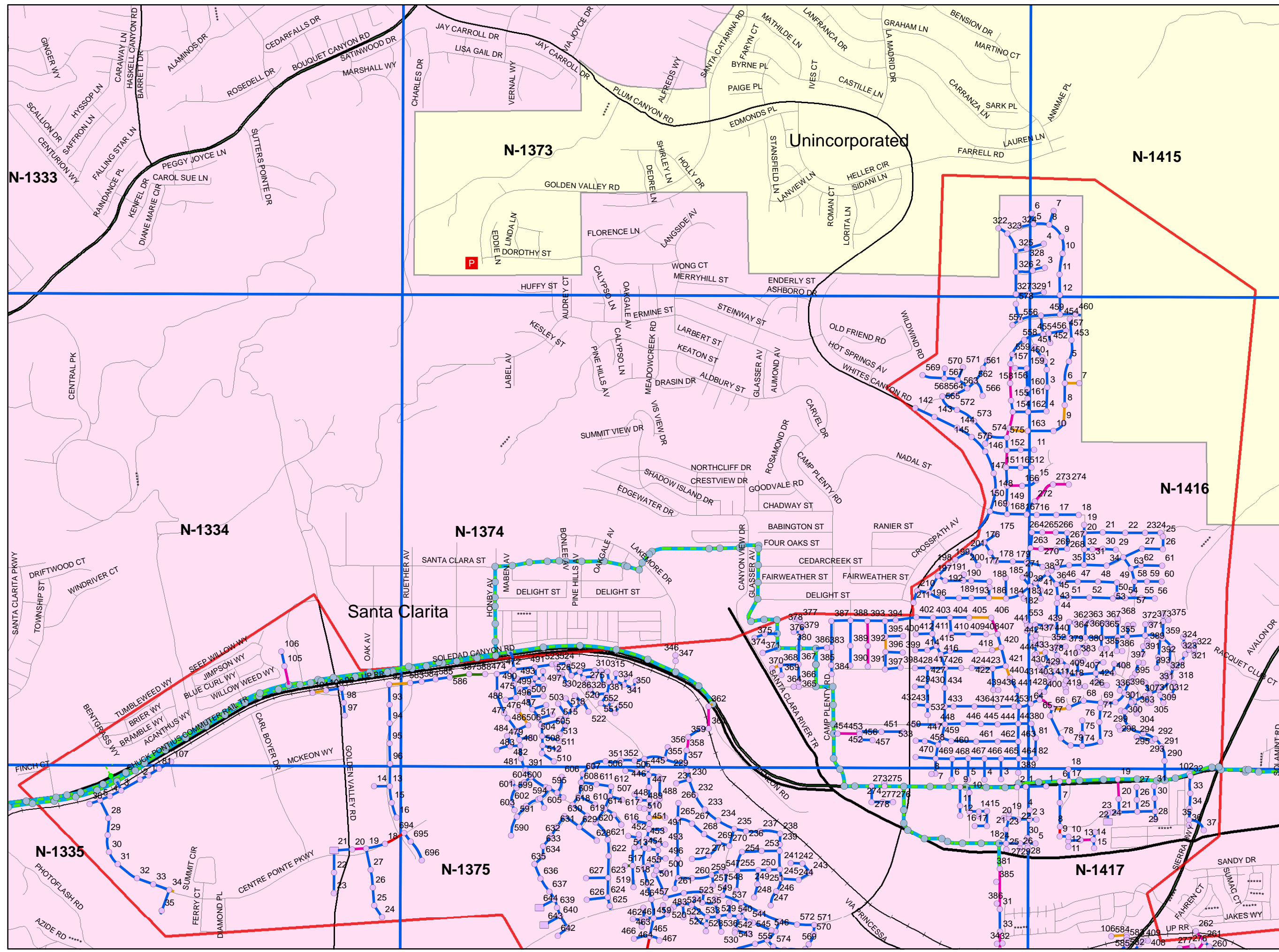
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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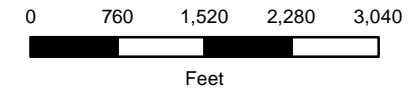
OCTOBER 2013



ENCLOSURE 2

CCTV PROJECT YOTV0910D CITY OF SANTA CLARITA

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

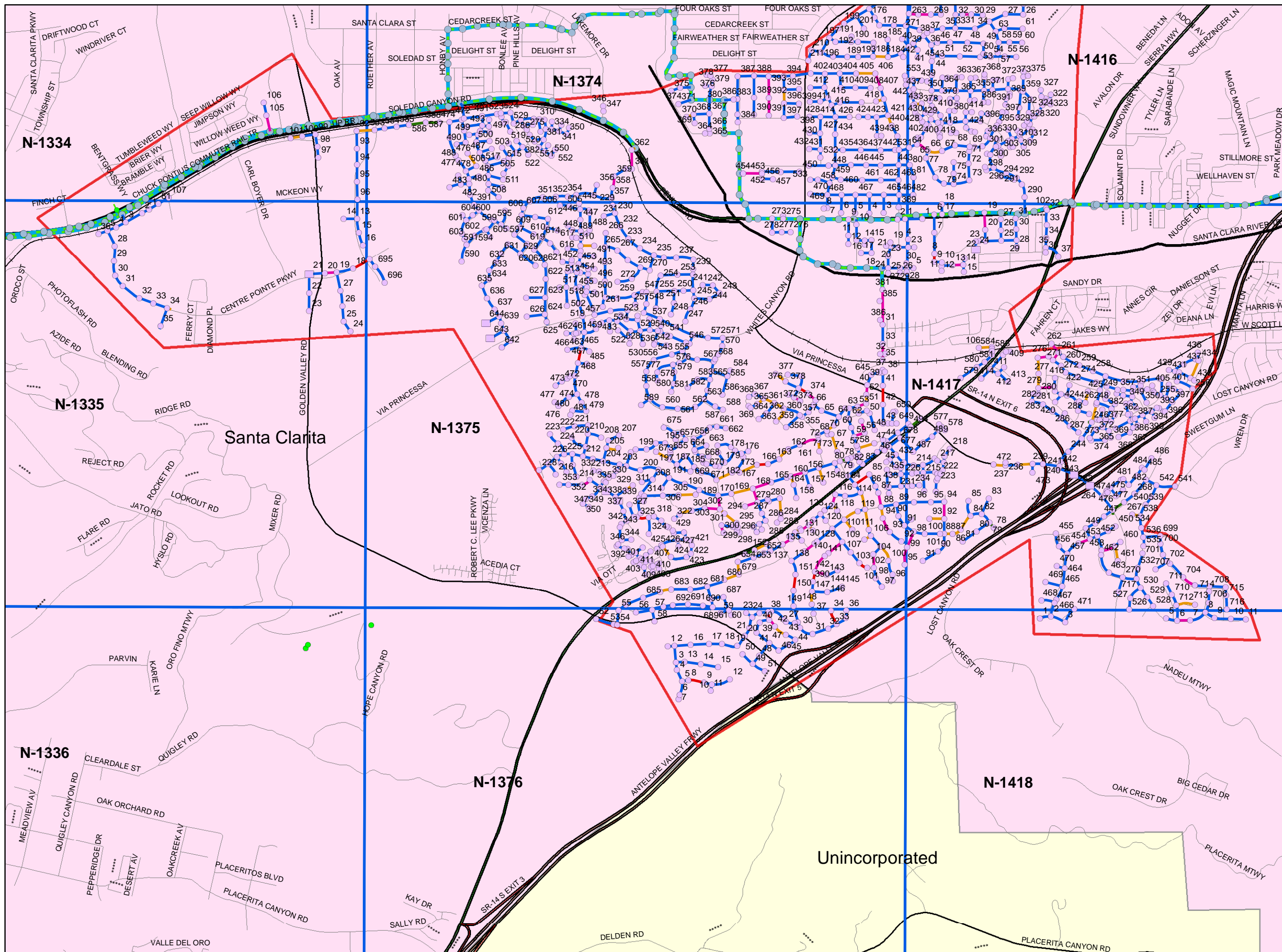
- Other
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OCTOBER 2013



ENCLOSURE 2
HIGH WATER LEVELS
CITY OF SANTA CLARITA (Y0TV0910D)
as of 01/31/2011

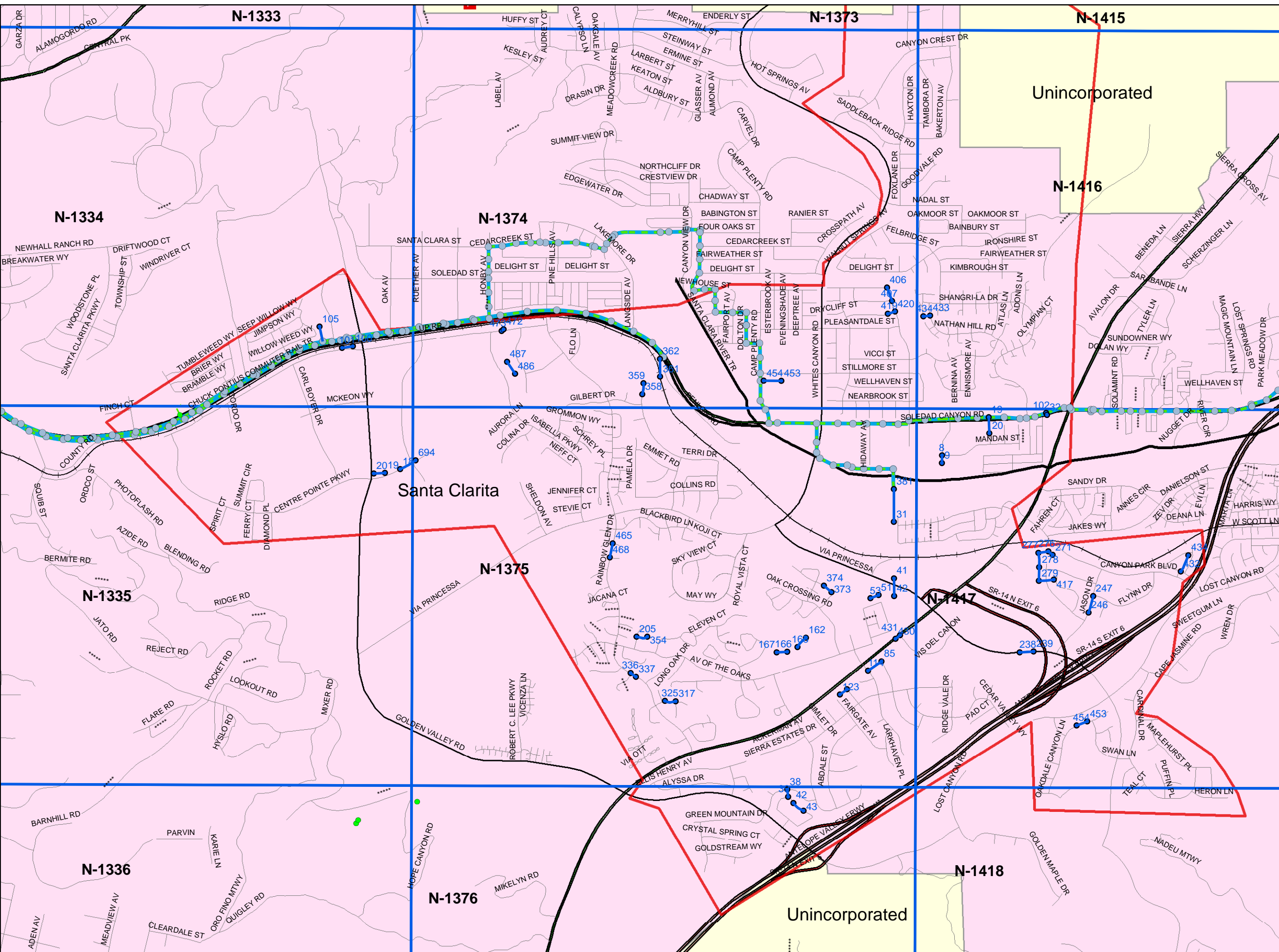
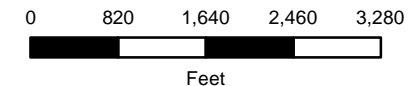
Item No.	QMR	START MH	END MH	STREET	OBSERVATION	PERCENT CAPACITY: LOCATION
1	514A	1376-0038	1376-0039	EASEMENT	Camera under water	(30% - 70%): 10' - 90'
2	5149	1375-0085	1375-0114	EASEMENT	Camera under water	(50% - 70%): 220' - 270'
3	5149	1375-0317	1375-0325	PRIVATE RD	Camera under water	(50% - 70%): 140' - 195'
4	5148	1375-0042	1375-0041	EASEMENT	Camera under water	(50% - 70%): 197' - 205'
5	5146	1375-0167	1375-0166	EASEMENT	Camera under water	(50% - 70%): 150' - 190'
6	5146	1375-0337	1375-0336	RAINBOW GLEN DR	Camera under water (due to alignment change)	(100%): 20' - 50'
7	5142	1417-0009	1417-0008	LUTHER DR	Camera under water	(30% - 70%): 145' - 165'
8	5141	1335-0018	1375-0694	CENTRE POINTE PKWY	Camera under water (due to large joint offset)	(80%): 48' - 60'
9	5141	1374-0473	1374-0472	GOLDEN TRIANGLE RD	High water level 50%	(50% - 75%): 11' - 22'
10	5141	1375-0468	1375-0465	RAINBOW GLEN DR	Camera under water (due to alignment change)	(100%): at 17'
11	4L00	1374-0362	1374-0361	EASEMENT	Camera under water (due to trunk line)	(75% - 100%): 0' - 347'
12	4G22	1374-0454	1374-0453	PRIVATE RD	Camera under water	(50% - 80%): 16' - 120', 186' - 260', 293' - 340'
13	4C21	1375-0031	1375-0381	EASEMENT	Camera under water (due to trunk line)	(40% - 70%): 365' - 525', 590' - end MH
14	4B34	1417-0279	1417-0417	EASEMENT	Camera under water	(80%): 172' - 265'
15	4B32	1417-0020	1417-0019	VILNA AV	Camera under water	(50% - 70%): 130' - 177', 245' - 254'
16	4B21	1335-0019	1335-0020	CENTRE POINTE PKWY	Camera under water	(50% - 80%): 88' - 154', 182' - 220'
17	4A21	1374-0358	1374-0359	TERRI DR	Camera under water	(80%): 4' - 39'
18	4931	1334-0105	1334-0104	EASEMENT	Camera under water (due to trunk line)	(50% - 80%): 233' - 274'
19	4800	1375-0430	1375-0431	SIERRA HWY	Camera under water	(50% - 70%): 5' - 30', 42' - 113'
20	4631	1417-0102	1417-0032	SOLEDAD CYN RD	Camera under water	(50% - 70%): 45' - 73'
21	4531	1375-0374	1375-0373	FLOWERS CT	Camera under water	(50% - 80%): 88' - 93', 169' - 180'
22	4333	1417-0276	1417-0277	PRIVATE RD	High water level 50%; camera under water	(50% - 80%): 120' - 123'
23	4231	1417-0276	1417-0271		High water level 50%; camera under water	(40% - 60%): 25' - 29'
24	4221	1417-0454	1417-0453	OAKDALE CANYON LN	High water level 50%	(40% - 80%): 65' - 120', 180' - 245'
25	3100	1334-0100	1334-0101	GOLDEN TRIANGLE RD	High water level 50%	(30% - 50%): 203' - 210'
26	4131	1374-0407	1374-0406	CROSSGLADE AV	High water mark 50%	(30% - 50%): 260' - 290'
27	4131	1375-0053	1375-0051	EASEMENT	High water level 50%	(30% - 50%): 130' - 196'
28	4121	1375-0117	1375-0123	EASEMENT	High water level 50%	(30% - 50%): 10' - 60'
29	3521	1417-0278	1417-0277	PRIVATE RD	High water mark 50%; high water level 40%	(30% - 50%): start MH - 110', 210' - 250'
30	3321	1417-0279	1417-0278	PRIVATE RD	High water level 50%	(30% - 55%): 157' - 171', 200' - 233'
31	3229	1417-0246	1417-0247	JASON DR	High water level 50%	(30% - 50%): 28' - 75'
32	3200	1417-0432	1417-0434	PRIVATE RD	High water level 50%	(30% - 50%): start MH - 25'
33	3122	1375-0162	1375-0163	EASEMENT	High water level 50%	(30% - 50%): 113' - 240'
34	3122	1375-0354	1375-0205	PRIVATE RD	High water level 50%	(30% - 50%): 160' - 185'
35	3122	1376-0043	1376-0042	SANTA MARIA DR	High water level 50%	(30% - 50%): 53' - 60'
36	3121	1374-0486	1374-0487	PRIVATE RD	High water level 50%	(30% - 50%): 203' - end MH
37	3121	1416-0433	1416-0434	PRIVATE RD	Camera under water	(40% - 70%): 70' - 125'
38	3121	1417-0238	1417-0239	VIA PRINCESSA	High water level 50%	(30% - 50%): 80' - 90'

ENCLOSURE 2

CCTV PROJECT YOTV0910D

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
- Maintained by Others:
 - Trunk Sewerlines
 - Non SMD Sanitary Sewers
 - Non SMD Maintained MH
- SMD Operations Maps
- CCTV PROJECT AREA

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ENCLOSURE 2
INFILTRATION
CITY OF SANTA CLARITA (Y0TV0910D)
as of 01/31/2011

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	4121	1418-0007	1418-0006	PARTRIDGE DR	Infiltration runner: 239' near MH 1418-0006	Infiltration is minimum. No action needed.	
2	4121	1417-0705	1417-0704	MAPLEHURST PL	Infiltration runner: 183'	Infiltration is minimum. Point Repair (broken & fractures at location)	

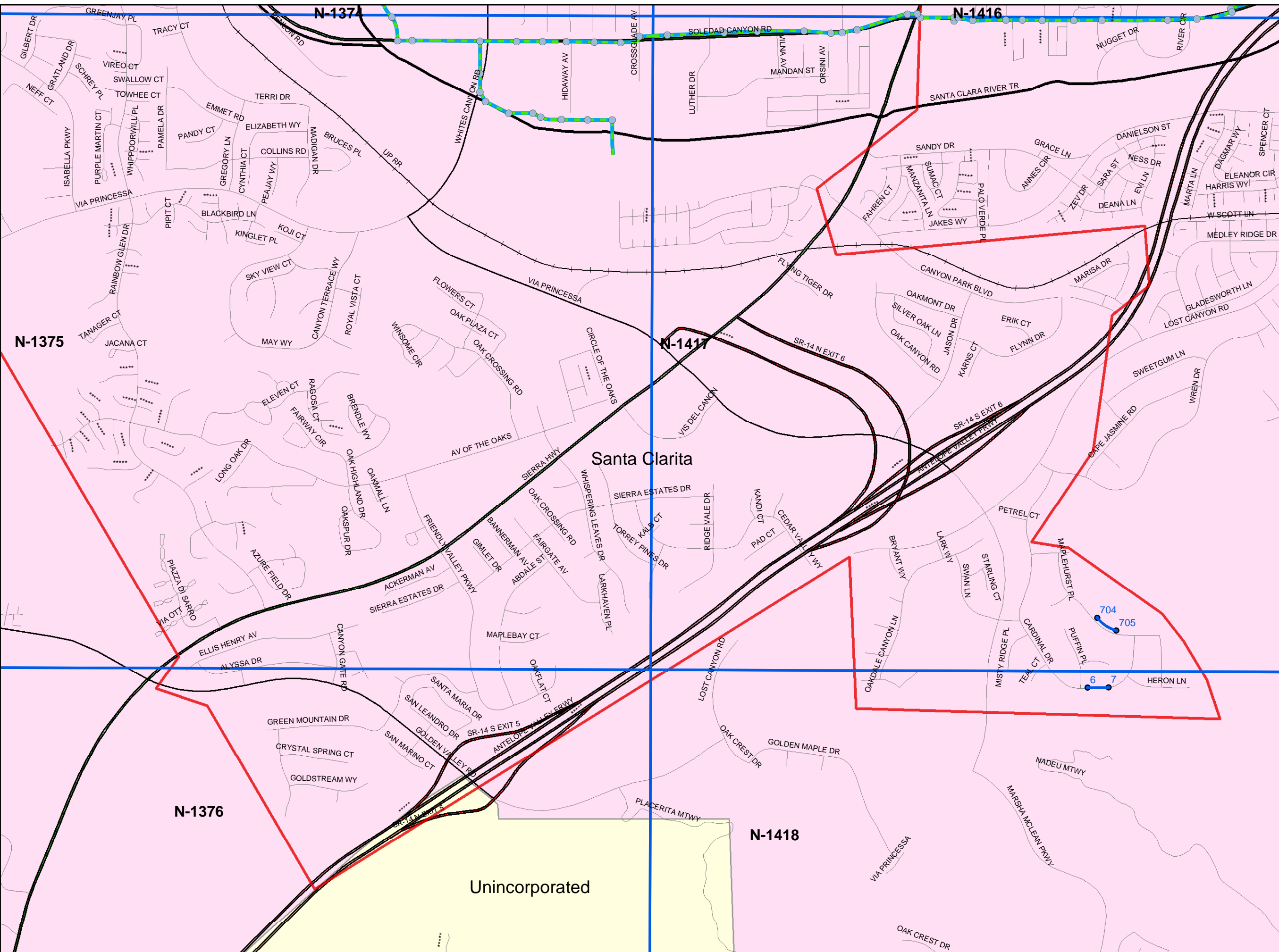
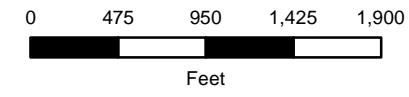
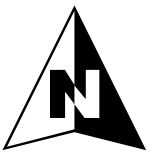
ENCLOSURE 2

CCTV PROJECT

YOTV0910D

CITY OF SANTA CLARITA

INFILTRATION



Legend

- INFILTRATION
- SMD Manholes**
 - Other
- Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations
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- Maintained by Others:**
 - Trunk Sewerlines
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OCTOBER 2013



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

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

{Date}

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner

Dear Property Owner:

SEWER LATERAL ROOT INTRUSION

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this courtesy notice informing you that the sewer lateral serving the property located at XXXX, requires maintenance per **County Code 20.24.080 Maintenance of Sewer Laterals.**

"All house laterals, industrial connection sewers, septic tank outlet connections to STEP system, and appurtenances thereto existing as of January 23, 1953, or thereafter constructed, shall be maintained by the owner of the property served in a safe and sanitary condition, and all devices or safeguards which are required by this Division 2 for the operation thereof shall be maintained in good working order."

Using closed-circuit television (CCTV) camera technology, the District recently televised the sanitary sewer mainline and discovered the presence of roots in your sewer lateral connection. The intrusion of the roots from your lateral may block the flow of sewage in the mainline sewer causing a sanitary sewer overflow upstream of your property.

Since the CCTV inspection, the sewer mainline has been cleaned and blockages from root growth have been removed; however, the root blockage in your sewer lateral is still present. As the property owner, you are responsible for the entire length of the sewer lateral, which includes the portion that extends beyond the property line into the public right of way. We request that you contact a qualified plumbing contractor to service your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

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

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

After your lateral has been serviced, please notify Mr. Fernando Villaluna, Sewer Maintenance Division, at (626) 300-3380 or fvillaluna@dpw.lacounty.gov.

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

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

Very truly yours,

GAIL FARBER
Director of Public Works

RAJESH PATEL
Assistant Deputy Director
Sewer Maintenance Division

XXXX

Enc.

XXXX
Roots at Lateral Connection



Minimizing Sewer Overflows and Damage to Your Home

The sewer system within the County of Los Angeles Consolidated Sewer Maintenance District (District) is comprised of a series of underground pipes. Many are publicly owned; however, the sewer laterals are entirely owned by the private property owner they serve. The laterals extend from the building to the mainline within the street (or within an easement at the rear of your home). The laterals are typically four inches in diameter while the District's mainline is typically at least eight inches in diameter. The private property owner is responsible for the entire length of the lateral, which includes the portion that may be located within the public right of way (under the asphalt and street landscaping).

SEWER LATERALS – AREAS OF RESPONSIBILITY



Sewer backups can cause tremendous damage to the interior of a home. In order to minimize these, the District provides continual maintenance services for the public sewer mainlines.

Unfortunately, sewer laterals are often not maintained by private property owners until a disaster strikes. "Out of sight, out of mind" is a typical approach to sewer lateral maintenance and operation by many. It is our hope that we can provide you various means of addressing these issues and thus minimize your risk of an overflow entering your home.

The three methods we suggest are:

1. Maintain your lateral through proper cleaning, repair, and replacement
2. Do not place improper items into the sewer or make improper connections to the sewer
 - a. Keep rainwater out of the sewer lines as it overwhelms the capacity of the sewer lines and may cause sewer spills.
 - b. Do not pour fats, oils, and grease in your drains as these products harden and stick to the inside of the sewer pipes, which build up and may eventually cause a blockage in the sewer pipe.
3. Install a backflow preventer and cleanout in your sewer lateral.

ENCLOSURE 3:

- Quick Structural Rating Report
Priority List
- Quick Structural Rating Map
- Rehabilitation Projects Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)

as of 01/31/2011

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5442	1375-0140	1375-0109	ABDALE ST	Broken/fractures: 1' - 4'; broken: 50'; fractures: 110', 349'	Lining: MH to MH	350
2	5200	1375-0001	1375-0002	SOLEDAD CANYON RD	Hole with visible void: 152'	Point Repair (sleeve) (North Yard)	
3	5200	1416-0036	1416-0037	DELIGHT ST	Collapsed/broken: 16' - 19'	Point Repair (North Yard)	
4	5143	1375-0147	1375-0390	ABDALE ST	Broken/fractures: 159' - 161'; fractures: 57', 80', 85', 95', 116', 121', 136', 154'	Lining: MH to MH	184
5	5142	1375-0117	1375-0123	EASEMENT	Broken/fractures: 99', 147'; fractures: 120' - 124', 129' - 132', 157'	Lining: MH to MH	175
6	5141	1376-0035	1376-0036	FRIENDLY VLY PKWY	Fractures: 195' - 198', 207'; broken (inside lateral): 197'; broken/fractures: 203'	Lining: MH to MH	235
7	5141	1416-0004	1374-0162	BASEL ST	Broken/hole/fractures: 80'; fractures: 130', 262' - 265'	Lining: MH to MH	278
8	513J	1374-0462	1374-0463	WELLHAVEN ST	Fracture: 3'; hole: 288'; broken at lateral: 265'	Utility investigation (North Yard)	
9	5133	1416-0269	1416-0270	BAINBURY ST	Fracture: 282', 290'; broken/fractures: 297' - 300'	Lining: MH to MH	350
10	5132	1334-0098	1334-0097	GOLDEN VALLEY RD	Fracture: 45', 57'; broken with fractures: 81' - 83'	Lining: MH to MH	90
11	5121	1374-0514	1374-0513	PRIVATE RD	Fracture: 72'	Point Repair (North Yard)	
12	5121	1375-0064	1375-0065	EASEMENT	Large joint offset: 110'; (reverse inspection: hole: 214')	Structural integrity in tact. No action needed.	
13	5112	1416-0010	1374-0163	CABRAL ST	Fracture: 71'; hole: 167'	Structural integrity in tact. No action needed.	
14	5111	1374-0573	1374-0574	SADDLEBACK RIDGE RD	Broken (part of manhole base): 327'	Structural integrity in tact. No action needed.	
15	5100	1375-0076	1375-0380	PRIVATE RD	Fracture multiple: 9' - 12'	Lining: MH to MH	112
16	5100	1375-0262	1375-0263	PAMELA DR	Deformed: 166'	Point Repair (North Yard)	
17	5100	1375-0330	1375-0335	EASEMENT	Broken/fracture: 21'	Lining: MH to MH	110
18	5100	1375-0438	1375-0440	PRIVATE RD	Broken/hole: 194' (exterior patch)	Structural integrity in tact. No action needed.	
19	5100	1376-0008	1376-0005	GOLDSTREAM WY	Broken: 84' (part of manhole base)	Structural integrity in tact. No action needed.	
20	5100	1416-0401	1416-0400	EASEMENT	Broken: 98', 117'	Structural integrity in tact. No action needed.	
21	5100	1417-0527	1417-0530	MISTY RIDGE PL	Broken/fractures: 259'	Sectional Liner: 259' to End MH	8
22	5100	1417-0705	1417-0704	MAPLEHURST PL	Broken/fractures/infiltration: 183'	Point Repair (North Yard)	
23	4334	1374-0446	1374-0445	STILLMORE ST	Fracture: 16', 237', 240', 256'; broken with fractures: 223', 247'	Lining: MH to MH	320
24	4232	1417-0096	1375-0089	SIERRA ESTATES DR	Fractures: 73', 79', 94'	Lining: MH to MH	267
25	4231	1417-0099	1417-0098	VALLEY POINT LN	Fractures: 135', 163'; broken/fracture: 150'	Structural integrity in tact. No action needed.	
26	4222	1334-0091	1334-0092	SOLEDAD CANYON RD	Fractures: 107' - 110'; 205'; broken with fractures: 168' - 175'	Lining: MH to MH	226
27	4211	1375-0125	1375-0124	EASEMENT	Fractures: 54', 173'	Structural integrity in tact. No action needed.	
28	4211	1417-0088	1417-0092	RIDGE VALE DR	Fractures: 14', 224'	Structural integrity in tact. No action needed.	
29	4200	1375-0120	1375-0119	SIERRA ESTATES DR	Fracture: 47', 63'	Structural integrity in tact. No action needed.	
30	4136	1376-0032	1376-0031	FRIENDLY VLY PKWY	Fracture: 120', 172', 178'; fractures: 138' - 140', 148' - 152'	Lining: MH to MH	238
31	4134	1375-0052	1375-0040	EASEMENT	Fractures: 66'	Structural integrity in tact. No action needed.	
32	4133	1375-0676	1375-0044	EASEMENT	Broken/fractures: 1'; fractures: 12', 17', 28', 34'	Lining: MH to MH	70
33	4133	1417-0020	1417-0019	VILNA AV	Fractures: 75', 199'	Structural integrity in tact. No action needed.	
34	4132	1375-0092	1375-0093	TORREY PINES DR	Fracture: 6', 56'; fractures: 38'	Structural integrity in tact. No action needed.	
35	4132	1375-0115	1375-0116	EASEMENT	Fracture multiple: 189', 194'	Lining: MH to MH	197
36	4132	1375-0144	1375-0143	BEACHGROVE CT	Fractures: 6', 9' - 11'	Structural integrity in tact. No action needed.	
37	4131	1375-0101	1375-0104	LARK HEAVEN PL	Fracture multiple: 0', 290'; fracture: 151'	Lining: MH to MH	293
38	4131	1375-0108	1375-0109	FAIRGATE AV	Fractures: 0', 216'	Structural integrity in tact. No action needed.	
39	4131	1375-0283	1375-0282	PRIVATE RD	Fractures: 136'	Structural integrity in tact. No action needed.	
40	4121	1374-0466	1375-0004	PLUMWOOD AV	Fracture: 326', 328'	Structural integrity in tact. No action needed.	
41	4121	1375-0077	1375-0076	AVE OF THE OAKS	Fractures: 64'	Structural integrity in tact. No action needed.	
42	4121	1376-0007	1376-0006	MOUNTAIN PASS RD	Fractures: 1', 39'	Structural integrity in tact. No action needed.	
43	4111	1375-0064	1375-0063	EASEMENT	Fractures: 140'	Structural integrity in tact. No action needed.	
44	4111	1375-0066	1375-0065	EASEMENT	Fracture: 201'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF SANTA CLARITA (YOTV0910D)

as of 01/31/2011

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
45	4111	1375-0371	1375-0375	OAK BRANCH CR	Fractures: 84'	Structural integrity in tact. No action needed.	
46	4111	1417-0018	1417-0017	HOMYR PL	Fractures: 10'	Structural integrity in tact. No action needed.	
47	4100	1335-0081	1334-0107	GOLDEN TRIANGLE RD	Fractures: 222' (tap break-in)	Structural integrity in tact. No action needed.	
48	4100	1374-0151	1374-0150	FOXLANE DR	Broken with fracture (at joint): 264'	Structural integrity in tact. No action needed.	
49	4100	1374-0587	1374-0586	GOLDEN TRIANGLE RD	Fracture: 5'	Structural integrity in tact. No action needed.	
50	4100	1375-0011	1375-0009	PRIVATE RD	Fracture: 102'	Structural integrity in tact. No action needed.	
51	4100	1375-0046	1375-0045	SIERRA HWY	Fracture: 113'	Structural integrity in tact. No action needed.	
52	4100	1375-0067	1375-0064	EASEMENT	Fracture: 173'	Structural integrity in tact. No action needed.	
53	4100	1375-0302	1375-0293	EASEMENT	Fractures: 284' (part of manhole base)	Structural integrity in tact. No action needed.	
54	4100	1375-0340	1375-0339	RAINBOW GLEN DR	Broken: 122'	Structural integrity in tact. No action needed.	
55	4100	1375-0429	1375-0321	EASEMENT	Fractures: 77'	Structural integrity in tact. No action needed.	
56	4100	1375-0658	1375-0664	RUGOSA CT	Fractures: 194'	Structural integrity in tact. No action needed.	
57	4100	1376-0017	1376-0018	GREEN MOUNTAIN DR	Fracture: 114'	Structural integrity in tact. No action needed.	
58	4100	1416-0066	1416-0067	VICCI ST	Broken: 166'	Structural integrity in tact. No action needed.	
59	4100	1416-0074	1416-0075	BERNINA AVE	Fractures: 195'	Structural integrity in tact. No action needed.	
60	4100	1416-0407	1416-0406	NATHAN HILL RD	Broken/fractures: 153'	Structural integrity in tact. No action needed.	
61	4100	1417-0079	1417-0078	CEDAR VALLEY WY	Fractures: 135'	Structural integrity in tact. No action needed.	
62	4100	1417-0269	1417-0268	LOST CYN RD	Fracture: 6'	Structural integrity in tact. No action needed.	
63	4100	1417-0347	1417-0252	CANYON PARK BV	Fracture: 54'	Structural integrity in tact. No action needed.	
64	4100	1417-0261	1417-0262	CANYON PARK BV	Fracture: 219'	Structural integrity in tact. No action needed.	

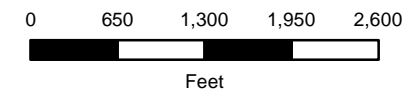
ENCLOSURE 3

CCTV PROJECT

YOTV0910D

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

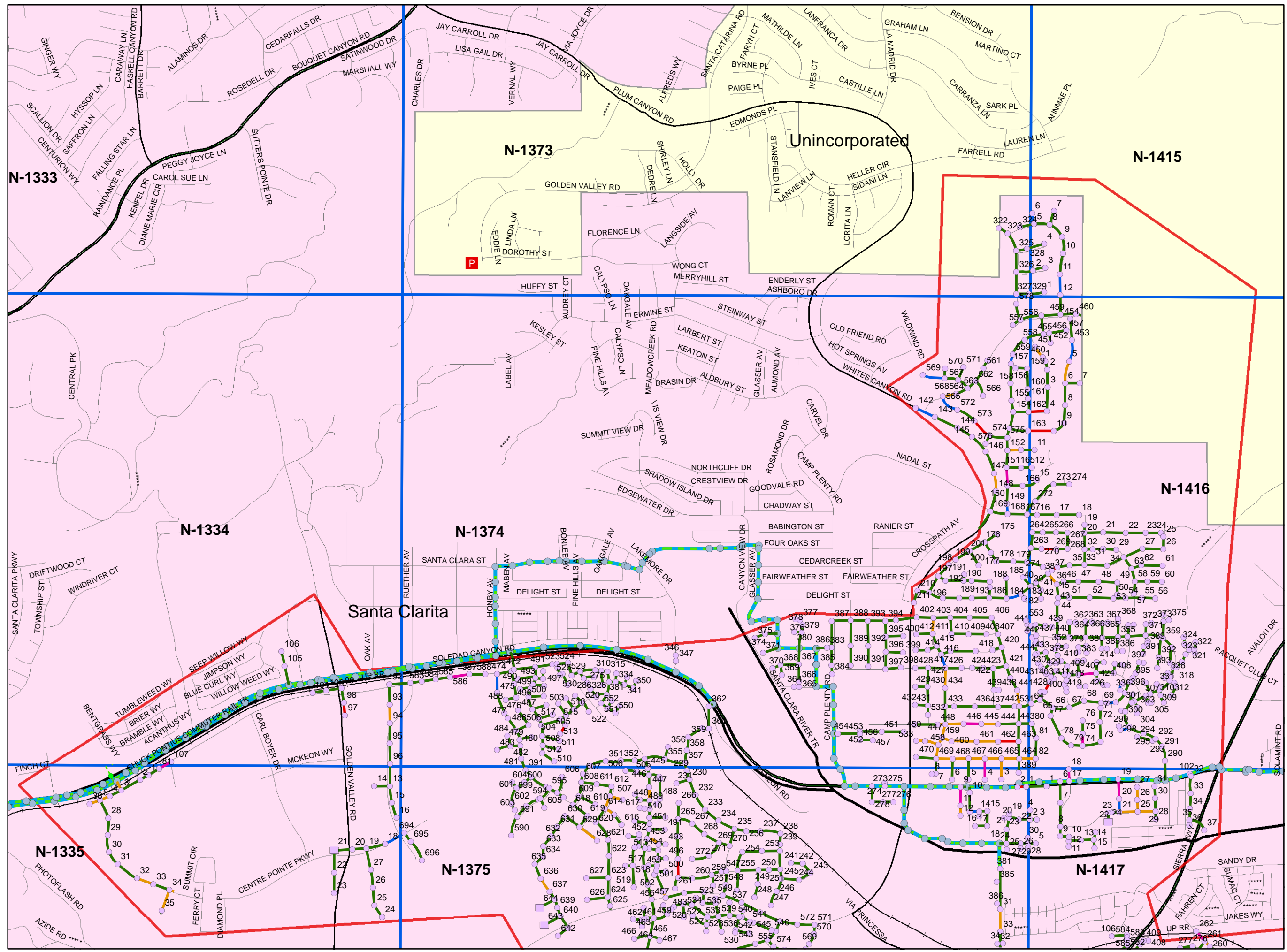
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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OCTOBER 2013



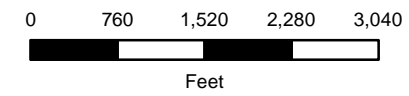
ENCLOSURE 3

CCTV PROJECT

YOTV0910D

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

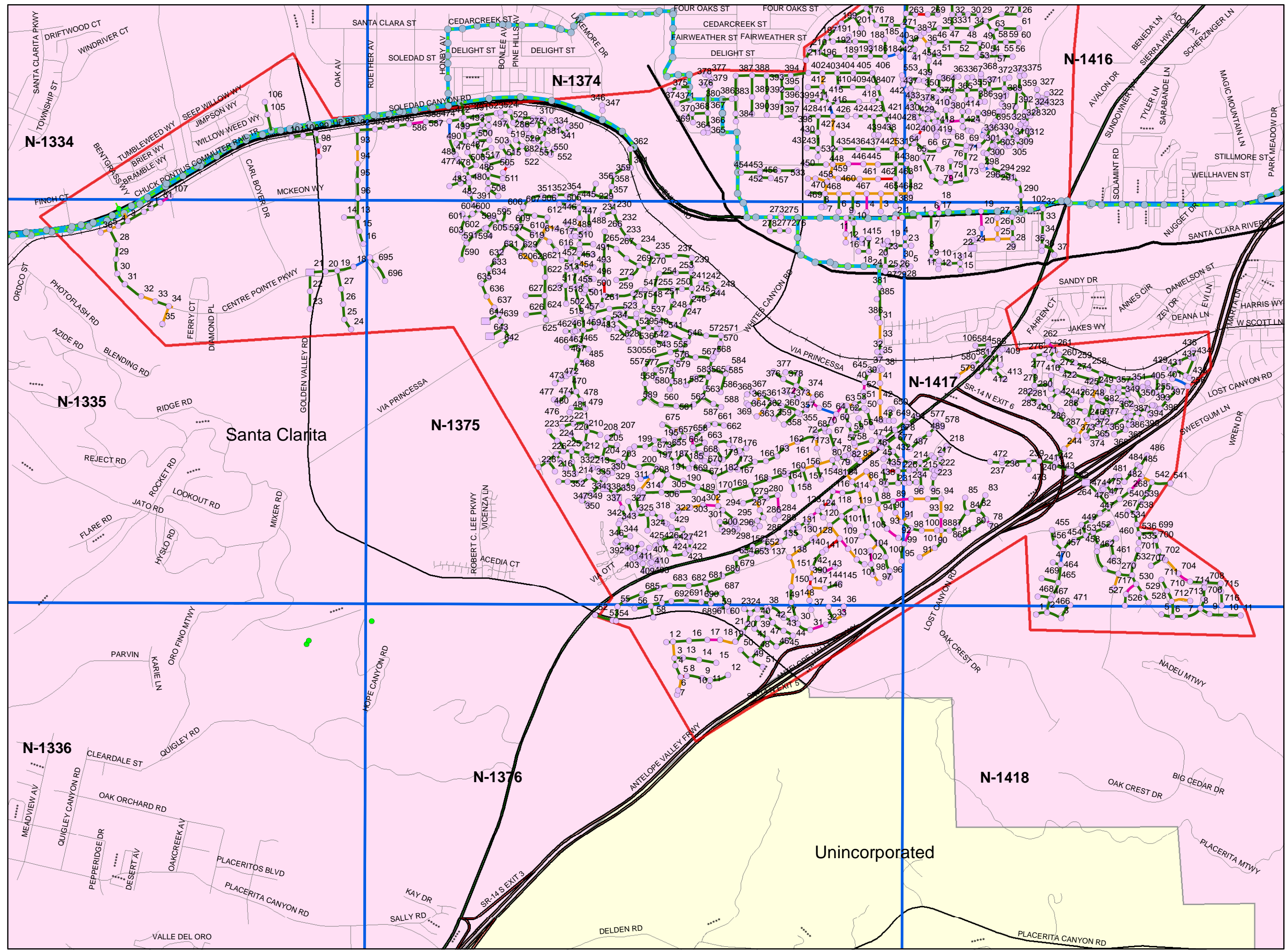
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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OCTOBER 2013



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20100913	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1279	PSR: 82861
Total Pipe Length: 329	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/10/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: ABDALE ST	Flow Control: N Not Controlled	Start MH: 1375-0109
City: STC	Year Renewed:	End MH: 1375-0140
Location Code: C Light Highway	Tape/Media #:	pipe length: 351.29 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 329
Drain. Area: 0109/1375-0140/1375	Lining Method:
	Category:

Remark:: **BREAK IN PIPE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1376-0140		123	
	0.10	Water Level, 5 % of cross sectional area	00:00:18		M 2
	0.10	Water Mark, 10 % of cross sectional area	00:00:19		M 2
	0.80	Roots Medium Barrell, from 01 to 05 o'clock, 25 %, within 8 inch: YES	00:02:14	128, b	M 4
	1.21	Broken, from 02 to 08 o'clock, within 8 inch: YES	00:00:50	124, b	S 5
	1.81	Broken Soil Visible, from 01 to 05 o'clock, within 8 inch: YES	00:01:27	126, b	S 5
	4.32	Broken Soil Visible, from 08 to 04 o'clock, within 8 inch: YES	00:02:45	130, b	S 5
	19.38	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:03:54	132, b	S 2
	50.51	Broken, from 09 to 03 o'clock, within 8 inch: YES	00:05:21	134, b	S 5
	51.22	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:48	136	
	51.22	Roots Fine Connection, from 02 to 04 o'clock, within 8 inch: YES	00:05:51	137	M 1
	84.26	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:48	138	
	100.83	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:07:31	139, b	S 2
	110.77	Fracture Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:08:08	141, b	S 4
	122.52	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:50	143	
	150.34	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:41	144	
	198.54	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:04	145	
	231.58	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:13	146	
	269.75	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:13:37	147	
	302.59	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:14:43	148	
	326.19	Deposits Settled Gravel, 5 % of cross sectional area, from 05 to 07 o'clock, within 8 inch: YES	00:15:29	149, b	M 2
	349.18	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:16:25	151, b	S 4
	351.29	Downstream Manhole, Survey Ends 1375-0109	00:17:06	153	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5442	4123	32	11	43	4	2.2	3.31



Inspection report

Date: 20101208	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3371	PSR: 82985
Total Pipe Length: 157	Survey Customer: LACDPW	System Owner: STC	Clean Date: 12/08/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: SOLEDAD CANYON RD	Flow Control: N Not Controlled	Start MH: 1375-0001
City: STC	Year Renewed:	End MH: 1375-0002
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 153.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 157
Drain. Area: 0001/1375-0002/1375	Lining Method:
	Category:

Remark.: **BRO**

1:400	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0001		39	
	0.00	Water Level, 5 % of cross sectional area	00:00:16		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:18		M 2
	1.50	Vermin Cockroach	00:00:28		M 1
	63.90	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:17	40	
	152.20	Hole Soil Visible, from 10 to 02 o'clock, within 8 inch: YES	00:05:56	41	S 5
	152.20	Broken Soil Visible, from 08 to 03 o'clock, within 8 inch: YES	00:06:08	42, b	S 5
	153.90	Downstream Manhole, Survey Ends 1375-0002	00:06:33	44	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	2211	10	5	15	5	1.67	3



WinCan America, Inc.
 1730 Montano Road NE, Suite E
 Albuquerque, NM 87107
 Tel: (505) 341.0109, Fax: (505) 341.0133

Inspection report

Date: 20100818	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 528	PSR: 82162
Total Pipe Length: 103	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/18/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: DELIGHT ST	Flow Control: N Not Controlled	Start MH: 1416-0036
City: STC	Year Renewed:	End MH: 1416-0037
Location Code: C Light Highway	Tape/Media #:	pipe length: 18.54 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 103
Drain. Area: 0036/1416-0037/1416	Lining Method:
	Category:

Remark:: **MSA BROKEN PIPE**

1:50	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0036	00:00:00	101	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	0.00	Reversal Inspection	00:00:00		
	7.72	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:18	102	
	17.03	Broken Soil Visible, from 08 to 04 o'clock, within 8 inch: YES	00:01:51	103, b	S 5
	18.04	Collapse Pipe Sewer, 25 %	00:02:11	105, b	S 5
	18.54	Survey Abandoned, Remark: MSA BROKEN PIPE	00:02:43	107, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	2200	10	4	14	5	2	3.5



Inspection report

Date: 20100818	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 538	PSR: 82162
Total Pipe Length: 103	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/18/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: DELIGHT ST	Flow Control: N Not Controlled	Start MH: 1416-0037
City: STC	Year Renewed:	End MH: 1416-0036
Location Code: C Light Highway	Tap/Media #:	pipe length: 61.72 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 103
Drain. Area: 0036/1416-0037/1416	Lining Method:
	Category:

Remark:: **MSA BROKEN PIPE**

1:175	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1416-0037	00:00:00	45	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	24.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:23	46	
	47.69	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:09	47	
	59.52	Broken Void Visible, from 12 to 12 o'clock, within 8 inch: YES	00:02:48	48, b	S 5
	60.22	Collapse Pipe Sewer, 25	00:03:06	50, b	S 5
	61.72	Survey Abandoned, Remark: msa broken pipe	00:03:40	52	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	2200	10	4	14	5	2	3.5



Inspection report

Date: 20100909	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1266	PSR: 82786
Total Pipe Length: 177	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/09/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: ABDALE ST	Flow Control: N Not Controlled	Start MH: 1375-0147
City: STC	Year Renewed:	End MH: 1375-0390
Location Code: C Light Highway	Tape/Media #:	pipe length: 184.58 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 177
Drain. Area: 0147/1375-0390/1375	Lining Method:
	Category:

Remark:: **BREAK IN PIPE**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0147	00:00:06	125	
	0.00	Water Level, 5 % of cross sectional area	00:00:26		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:30		M 2
	18.68	Roots Medium Joint, from 04 to 09 o'clock, 25 %, within 8 inch: YES	00:01:10	126, b	
	24.00	Roots Fine Joint, from 04 to 08 o'clock, within 8 inch: YES	00:01:51	128, b	
	56.34	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:51	130	
	57.54	Crack Multiple, from 01 to 11 o'clock, within 8 inch: YES	00:03:20	131, b	S 3
	69.09	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:59	133	
	80.44	Fracture Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:04:34	134, b	S 4
	85.46	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:05:01	136, b	S 4
	95.81	Fracture Multiple, from 06 to 10 o'clock, within 8 inch: YES	00:05:36	138, b	S 4
	116.19	Crack Multiple, from 05 to 11 o'clock, within 8 inch: YES	00:06:53	140, b	S 3
	121.11	Crack Multiple, from 12 to 07 o'clock, within 8 inch: YES	00:07:36	142, b	S 3
	136.58	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:08:45	144, b	S 3
	142.81	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:17	146	
	154.15	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:10:03	147, b	S 3
	159.18	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:48	149, b	S 3
	160.58	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:07	151	
	161.49	Broken, from 03 to 09 o'clock, within 8 inch: YES	00:11:30	152, b	S 5
	184.58	Downstream Manhole, Survey Ends 1375-0390	00:12:40	154	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5143	2200	35	4	39	3.5	2	3.25



Inspection report

Date: 20100923	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1610	PSR: 82871
Total Pipe Length: 172	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/23/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0117
City: STC	Year Renewed:	End MH: 1375-0123
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 175.65 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 172
Drain. Area: 0117/1375-0123/1375	Lining Method:
	Category:

Remark:: **ROOTS BREAK IN PIPE TV UPSTREAM**

1:450	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0117		21	
	1.10	Water Level, 10 % of cross sectional area, Remark: CAMERA HOLDING BACK WATER	00:00:43		M 2
	1.10	Water Mark, 10 % of cross sectional area	00:00:44		M 2
	4.92	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:00:59	22	
	67.69	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:04:20	23	
	88.68	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:25	24	
	99.72	Broken, from 11 to 01 o'clock, within 8 inch: YES	00:06:00	25, b	S 4
	120.91	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:57	27, b	S 3
	129.15	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:28	29, b	S 3
	132.06	Broken, from 08 to 11 o'clock, within 8 inch: YES	00:07:53	31, b	S 4
	146.32	Roots Ball Joint, from 08 to 04 o'clock, 75 %, within 8 inch: YES	00:09:07	33, b	
	146.32	Broken Soil Visible, from 07 to 11 o'clock, within 8 inch: YES	00:10:13	35, b	S 5
	157.07	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:18:43	37, b	S 3
	163.09	Roots Fine Joint, from 04 to 05 o'clock, within 8 inch: YES	00:20:15	39, b	
	175.65	Upstream Manhole, Survey Ends 1375-0123	00:21:41	41	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	2200	22	4	26	3.67	2	3.25



Inspection report

Date: 20100907	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1089	PSR: 82372
Total Pipe Length: 144	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/07/2010	Pre-Cleaned: J Jetting	Map Grid #: 1376

Street: FRIENDLY VLY PKWY	Flow Control: N Not Controlled	Start MH: 1376-0035
City: STC	Year Renewed:	End MH: 1376-0036
Location Code: C Light Highway	Tape/Media #:	pipe length: 235.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 144
Drain. Area: 0035/1376-0036/1376	Lining Method:
	Category:

Remark:: **TV UPSTREAM**

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1376-0035	00:00:06	132	
	0.00	Water Level, 5 % of cross sectional area	00:00:20		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:23		M 2
	6.13	S1 Alignment Left, , start	00:00:53	133	M 1
	28.52	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:41	134	
	48.00	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:27	135	
	78.94	F1 Alignment Left, , end	00:03:45	136	M 1
	80.74	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:53	137	
	134.07	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:37	138	
	136.68	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:54	139	
	167.81	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:07:02	140, b	S 2
	189.30	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:08:31	143, b	S 2
	190.01	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:08:03	142	
	194.43	S1 Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES, start	00:09:38	145, b	S 3
	197.64	Tap Factory Made Defective, at 10 o'clock, 4", within 8 inch: YES	00:10:14	147, b	M 2
	198.74	F1 Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES, end	00:10:47		S 3
	203.26	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:11:27	149, b	S 4
	207.98	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:12:25	151, b	S 4
	225.46	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:13:19	153	
	227.97	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:13:35	154	
	230.58	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:13:50	155	
	235.20	Upstream Manhole, Survey Ends 1376-0036	00:14:17	156	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	231B	18	21	39	3	1.17	1.63



Inspection report

Date: 20100810	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 248	PSR: 83388
Total Pipe Length: 291	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/10/2010	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1416

Street: BASEL ST	Flow Control: N Not Controlled	Start MH: 1416-0004
City: STC	Year Renewed:	End MH: 1374-0162
Location Code: C Light Highway	Tap/Media #:	pipe length: 278.35 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 291
Drain. Area: 0004/1416-0162/1374	Lining Method:
	Category:

Remark:: **CRACKS/HVY MIST**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0004	00:00:00	1	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	4.11	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:00:35	2	
	26.35	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:44	3	
	79.76	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:49	4	
	80.06	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:04:14	5, b	S 3
	80.16	Hole Void Visible, from 04 to 05 o'clock, within 8 inch: YES	00:04:51	7, b	S 5
	130.76	Crack Multiple, from 07 to 05 o'clock, within 8 inch: NO	00:07:45	9, b	S 3
	133.06	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:08:17	11, b	S 3
	160.52	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:33	13	
	218.63	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:08	14	
	262.62	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: NO	00:13:46	15, b	S 4
	278.35	Downstream Manhole, Survey Ends 1374-0162	00:15:20	17	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	18	4	22	3.6	2	3.14



Inspection report

Date: 20100909	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1320	PSR: 83014
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/09/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: WELLHAVEN ST	Flow Control: N Not Controlled	Start MH: 1374-0462
City: STC	Year Renewed:	End MH: 1374-0463
Location Code: C Light Highway	Tape/Media #:	pipe length: 320.59 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 324
Drain. Area: 0462/1374-0463/1374	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1374-0462		361	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	2.62	Fracture Circumferential, from 09 to 02 o'clock, within 8 inch: YES	00:00:32	362, b	S 2
	19.34	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:01:32	364, b	S 3
	27.11	Crack Circumferential, from 01 to 04 o'clock, within 8 inch: YES	00:02:15	366, b	S 1
	35.96	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:02:39	368, b	S 1
	39.26 S1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, start	00:02:52	370, b	S 3
	41.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:06	372	
	43.83	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:16	373	
	96.01	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:59	374	
	148.88	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:24	375	
	151.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:37	376	
	207.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:19	377	
	210.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:32	378	
	256.16	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:59	379	
	265.20	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:22	380	
	288.72	Hole Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:11:39	381, b	S 5
	316.61 F1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, end	00:14:19	383, b	S 3
	320.59	Downstream Manhole, Survey Ends 1374-0463	00:14:53	385	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513J	2200	177	4	181	2.95	2	2.92



Inspection report

Date: 20100819	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 648	PSR: 81932
Total Pipe Length: 235	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/19/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: BAINBURY ST	Flow Control: N Not Controlled	Start MH: 1416-0269
City: STC	Year Renewed:	End MH: 1416-0270
Location Code: C Light Highway	Tape/Media #:	pipe length: 350.59 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 235
Drain. Area: 0269/1416-0270/1416	Lining Method:
	Category:

Remark:: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0269	00:00:00	112	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 of cross sectional area	00:00:00		M 2
	11.42	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:44	113	
	29.46	Tap Factory Made Defective, at 09 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:01:22	114	M 2
	30.16	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:01:30	115, b	
	55.31	Roots Fine Joint, from 09 to 10 o'clock, within 8 inch: YES	00:02:17	117, b	
	65.43	Roots Fine Joint, from 02 to 09 o'clock, within 8 inch: YES, start	00:02:40	119, b	
	83.96	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:21	121	
	96.49	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:47	122	
	150.60	Tap Factory Made Defective, at 03 o'clock, 6", within 8 inch: YES, Remark: ROOT BALL	00:05:19	123	M 2
	150.60	Roots Ball Connection, at 03 o'clock, 85 %, within 8 inch: YES	00:05:22	124, b	M 4
	163.52	Tap Factory Made Defective, at 09 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:05:59	126	M 2
	217.83	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:33	127	
	225.74	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:58	128	
	282.66	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:09:36	129, b	S 3
	284.86	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:50	131	
	290.77	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:10:11	132, b	S 3
	292.57	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:28	134	
	293.78	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:10:44	135, b	S 2
	297.89	Broken, from 07 to 05 o'clock, within 8 inch: YES	00:11:06	137, b	S 5
	308.41	Crack Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:11:55	139, b	S 3
	350.59	Roots Fine Joint, from 02 to 09 o'clock, within 8 inch: YES, end	00:13:35	141	
	350.59	Downstream Manhole, Survey Ends 1416-0270	00:13:59	142	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5133	4125	16	14	30	3.2	2.33	2.73



Inspection report

Date: 20101103	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2720	PSR: 84207
Total Pipe Length: 203	Survey Customer: LACDPW	System Owner: STC	Clean Date: 11/03/2010	Pre-Cleaned: J Jetting	Map Grid #: 1334

Street: GOLDEN VALLEY RD	Flow Control: N Not Controlled	Start MH: 1334-0097
City: STC	Year Renewed:	End MH: 1334-0098
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 90.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 203
Drain. Area: 0097/1334-0098/1334	Lining Method:
	Category:

Remark:: **NONE**

1:225	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1334-0097		47	
	0.00	Water Level, 5 % of cross sectional area	00:00:27		M 2
	0.00	Water Mark, 5 of cross sectional area	00:00:29		M 2
	14.50	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES	00:01:18	48, b	M 4
	45.90	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:02:40	50, b	S 3
	57.90	Crack Multiple, from 06 to 10 o'clock, within 8 inch: YES	00:03:32	52, b	S 3
	75.40	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:04:55	54, b	S 2
	81.20	Broken, from 02 to 11 o'clock, within 8 inch: YES	00:05:30	56, b	S 5
	90.20	Downstream Manhole, Survey Ends 1334-0098	00:06:38	58	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	4122	13	8	21	3.25	2.67	3



Inspection report

Date: 20101014	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 2461	PSR: 82956
Total Pipe Length: 168	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/14/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: PRIVATE RD	Flow Control: N Not Controlled	Start MH: 1374-0514
City: STC	Year Renewed:	End MH: 1374-0513
Location Code: Z Other PRIVATE RD	Tape/Media #:	pipe length: 167.92 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 168
Drain. Area: 0513/1374-0514/1374	Lining Method:
	Category:

Remark:: **AGAINST FLOW**

1:425	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1374-0514		67	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	50.24	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:56	68	
	74.44	Roots Fine Barrell, from 09 to 10 o'clock, within 8 inch: YES	00:02:32	69, b	M 2
	74.44	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:39	71, b	S 2
	74.54	Broken Void Visible, from 09 to 11 o'clock, within 8 inch: YES	00:02:57	73, b	S 5
	116.23	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:44	75	
	157.14	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:45	76	
	167.92	Upstream Manhole, Survey Ends 1374-0513	00:06:15	77	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2300	7	6	13	3.5	2	2.6



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Inspection report

Date: 20101025	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2386	PSR: 82927
Total Pipe Length: 340	Survey Customer: LACOPW	System Owner: STC	Clean Date: 10/25/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0064
City: STC	Year Renewed:	End MH: 1375-0065
Location Code: D Easement/Right of Way	Tap/Media #:	pipe length: 217.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 340
Drain. Area: 0064/1375-0065/1375	Lining Method:
	Category:

Remark: **TV UPSTREAM/REVERSE SET-UP**

1:550	position	observation	MPEG	photo	grade
	0.00	Reversal Inspection			118
	0.00	Downstream Manhole, Survey Begins 1375-0064			119
	0.00	Water Level, 10 % of cross sectional area	00:00:12		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:14		M 2
	214.70	Hole Soil Visible, from 12 to 12 o'clock, within 8 inch: YES	00:06:22	120, b	S 5
	217.10	Joint Offset Large	00:07:01	122	S 2
	217.10	Survey Abandoned, Remark: CAMERA BLOCKED BY OFFSET JOINT	00:07:09	123	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20101025	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2370	PSR: 82927
Total Pipe Length: 340	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/25/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0065
City: STC	Year Renewed:	End MH: 1375-0064
Location Code: D Easement/Right of Way	Tap/Media #:	pipe length: 109.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 340
Drain. Area: 0064/1375-0065/1375	Lining Method:
	Category:

Remark:: **NONE**

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0065			110
	0.00	Water Level, 5 % of cross sectional area	00:00:17		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:19		M 2
	18.40	Infiltration Runner, from 07 to 08 o'clock, within 8 inch: YES	00:00:58	111, b	M 4
	68.50	Water Level, Sag in pipe, 15 of cross sectional area	00:02:41	113	M 2
	68.50	Material Change, PVC Polyvinyl Chloride	00:02:46	114	
	109.60	Joint Offset Large	00:04:48	115	S 2
	109.60	Material Change, VCP Vitrified Clay Pipe	00:04:52	116	
	109.80	Survey Abandoned, Remark: Camera blocked by offset joint	00:07:29	117	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2100	4123	2	10	12	2	2.5	2.4



Inspection report

Date: 20100805	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 61	PSR: 83389
Total Pipe Length: 407	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/05/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: CABRAL ST	Flow Control: N Not Controlled	Start MH: 1416-0010
City: STC	Year Renewed:	End MH: 1374-0163
Location Code: C Light Highway	Tape/Media #:	pipe length: 342.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 407
Drain. Area: 0010/1416-0163/1374	Lining Method:
	Category:

Remark:: **NONE**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0010		105	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	3.69	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:00:28	106	
	67.05	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:30	107	
	69.48	Tap Factory Made Defective, at 02 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:02:42	108	M 2
	70.26	Crack Circumferential, from 12 to 02 o'clock, within 8 inch: YES	00:02:49	109, b	S 1
	127.60	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:05:12	111	
	130.71	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:28	112	
	135.56	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:05:48	113, b	
	167.92	Hole Void Visible, from 03 to 05 o'clock, within 8 inch: NO	00:07:03	115, b	S 5
	198.05	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:08:09	117	
	200.87	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:08:21	118	
	263.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:03	119	
	264.62	Roots Fine Joint, from 07 to 08 o'clock, within 8 inch: YES	00:10:15	120, b	
	266.27	Tap Factory Made Defective, at 09 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:10:29	122	M 2
	324.09	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:12:03	123	
	332.06	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:21	124	
	339.74	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:12:39	125, b	S 1
	342.17	Downstream Manhole, Survey Ends 1374-0163	00:13:17	127	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5112	2400	7	8	15	2.33	2	2.14



Inspection report

Date: 20100811	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 244	PSR: 674656
Total Pipe Length: 329	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/11/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: SADDLEBACK RIDGE RD	Flow Control: N Not Controlled	Start MH: 1374-0573
City: STC	Year Renewed:	End MH: 1374-0574
Location Code: C Light Highway	Tap Media #:	pipe length: 330.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 329
Drain. Area: 0573/1374-0574/1374	Lining Method:
	Category:

Remark:: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1374-0573	00:00:00	127	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	61.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:10	133	
	88.07	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:20	134	
	146.49	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:36	135	
	157.61	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:16	136	
	159.51	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	00:08:03	137, b	S 1
	159.51	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, Remark: JOINT	00:08:05	139, b	M 2
	220.53	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:47	141	
	225.74	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:11:14	142	
	288.37	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:13:49	143	
	321.13	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:15:21	144	
	327.74	Broken, from 03 to 09 o'clock, within 8 inch: YES	00:15:50	145, b	S 5
	330.95	Downstream Manhole, Survey Ends 1374-0574	00:17:17	147	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2300	6	6	12	3	2	2.4



Inspection report

Date: 20101020	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2341	PSR: 82823
Total Pipe Length: 120	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/20/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PRIVATE RD	Flow Control: N Not Controlled	Start MH: 1375-0076
City: STC	Year Renewed:	End MH: 1375-0380
Location Code: Z Other PRIVATE RD	Tape/Media #:	pipe length: 117.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 120
Drain. Area: 0076/1375-0380/1375	Lining Method:
	Category:

Remark:: **TV UPSTREAM**

1:300	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0076		32	
	5.40	Water Level, 10 % of cross sectional area	00:00:36		M 2
	5.40	Water Mark, 10 % of cross sectional area	00:00:37		M 2
	9.30	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:01:01	33, b	S 4
	52.20	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:23	35	
	67.00	Water Level, 5 of cross sectional area	00:02:50		M 2
	76.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:06	36	
	84.80	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:26	37	
	103.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:59	38	
	111.80	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:15	39	
	114.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:27	40	
	117.90	Upstream Manhole, Survey Ends 1375-0380	00:04:45	41	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2300	4	6	10	4	2	2.5



Inspection report

Date: 20101001	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1950	PSR: 82670
Total Pipe Length: 299	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/01/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PAMELA DR	Flow Control: N Not Controlled	Start MH: 1375-0262
City: STC	Year Renewed:	End MH: 1375-0263
Location Code: C Light Highway	Tap Media #:	pipe length: 167.44 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 299
Drain. Area: 0262/1375-0263/1375	Lining Method:
	Category:

Remark: **MSA PIPE DEFORMED**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0262		414	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	9.72	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:39	415	
	47.91	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:54	416	
	84.74	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:00	417	
	122.15	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:07	418	
	157.04	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:14	419	
	159.47	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:26	420	
	166.76	Deformed, 40 %	00:05:56	421, b	S 5
	167.44	Survey Abandoned, Remark: CAM BLKD PIPE DEFORMED	00:07:04	423, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



Inspection report

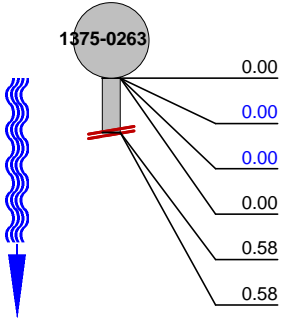
Date: 20101001	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1952	PSR: 82670
Total Pipe Length: 299	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/01/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PAMELA DR	Flow Control: N Not Controlled	Start MH: 1375-0263
City: STC	Year Renewed:	End MH: 1375-0262
Location Code: C Light Highway	Tape/Media #:	pipe length: 0.58 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 299
Drain. Area: 0262/1375-0263/1375	Lining Method:
	Category:

Remark:: **CAM BLKD BY CALCIUM**

1:25	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0263		425	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	0.00	Reversal Inspection			
	0.58	General Observation, within 8 inch: YES, Remark: CALCIUM IN THE INLET OF PIPE	00:01:10	426, b	
	0.58	Survey Abandoned, Remark: CAM BLKD BY CALCIUM	00:01:31	428	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	2200	0	4	4	0	2	2



Inspection report

Date: 20101004	P.O.#: Y0TV0910D	Weather: 3 Light rain	Surveyed By: A OBRIEN	section number: 1877	PSR: 82612
Total Pipe Length: 109	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/04/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0330
City: STC	Year Renewed:	End MH: 1375-0335
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 109.26 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 109
Drain. Area: 0330/1375-0335/1375	Lining Method:
	Category:

Remark: **TV UPSTREAM**

1:275	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0330		31	
	0.00	Water Level, 10 % of cross sectional area	00:00:22		M 2
	0.00	Water Mark, 50 % of cross sectional area	00:00:25		M 3
	20.99	Broken, from 06 to 12 o'clock, within 8 inch: YES	00:01:48	32, b	S 5
	20.99	Roots Fine Barrell, from 07 to 12 o'clock, within 8 inch: YES	00:02:13	34, b	M 2
	109.26	Upstream Manhole, Survey Ends 1375-0335	00:05:09	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3122	5	7	12	5	2.33	3



Inspection report

Date: 20100927	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1818	PSR: 82469
Total Pipe Length: 207	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/27/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PRIVATE RD	Flow Control: N Not Controlled	Start MH: 1375-0438
City: STC	Year Renewed:	End MH: 1375-0440
Location Code: Z Other PRIVATE RD	Tape/Media #:	pipe length: 210.49 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 207
Drain. Area: 0438/1375-0440/1375	Lining Method:
	Category:

Remark:: **TV UPSTREAM**

1:525	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0438		117	
	0.00	Water Level, 5 % of cross sectional area	00:00:21		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:24		M 2
	54.23	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:00	118	
	62.67	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:22	119	
	194.12	Broken, from 07 to 11 o'clock, within 8 inch: YES	00:05:51	120, b	S 5
	195.23	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:15	122	
	203.67	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:36	123	
	210.49	Upstream Manhole, Survey Ends 1375-0440	00:07:11	124	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



Inspection report

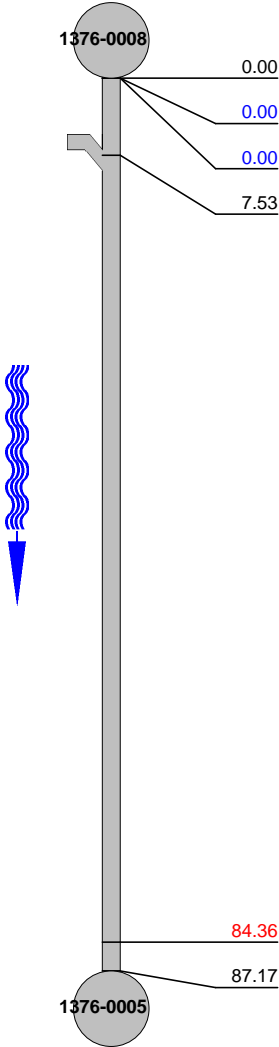
Date: 20100901	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 988	PSR: 82345
Total Pipe Length: 120	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/01/2010	Pre-Cleaned: J Jetting	Map Grid #: 1376

Street: GOLDSTREAM WY	Flow Control: N Not Controlled	Start MH: 1376-0008
City: STC	Year Renewed:	End MH: 1376-0005
Location Code: C Light Highway	Tap/Media #:	pipe length: 87.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 120
Drain. Area: 0005/1376-0008/1376	Lining Method:
	Category:

Remark:: **NONE**

1:225	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1376-0008	00:00:05	145	
	0.00	Water Level, 5 % of cross sectional area	00:00:18		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:21		M 2
	7.53	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:00:45	146	
	84.36	Broken Soil Visible, from 03 to 05 o'clock, within 8 inch: YES	00:02:49	147, b	S 5
	87.17	Upstream Manhole, Survey Ends 1376-0005	00:03:25	149	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



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Inspection report

Date: 20100915	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1530	PSR: 674424
Total Pipe Length: 170	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/15/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1416-0401
City: STC	Year Renewed:	End MH: 1416-0400
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 167.54 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 170
Drain. Area: 0400/1416-0401/1416	Lining Method:
	Category:

Remark.: **NONE**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0401		28	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	117.68	Broken Soil Visible, from 09 to 01 o'clock, within 8 inch: YES	00:03:26	29, b	S 5
	167.54	Downstream Manhole, Survey Ends 1416-0400	00:05:19	31	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2200	5	4	9	5	2	3



Inspection report

Date: 20100818	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 443	PSR: 765276
Total Pipe Length: 270	Survey Customer: LACDPW	System Owner: ZLAN	Clean Date: 08/17/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: MISTY RIDGE PL	Flow Control: N Not Controlled	Start MH: 1417-0527
City: ZLAN	Year Renewed:	End MH: 1417-0530
Location Code: C Light Highway	Tape/Media #:	pipe length: 267.74 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 270
Drain. Area: 0527/1417-0530/1417	Lining Method:
	Category:

Remark:: **BREAK IN PIPE AT 259'**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0527	00:00:12	19	
	0.00	Water Level, 5 % of cross sectional area	00:00:33		M 2
	0.00	Water Mark, 15 % of cross sectional area	00:00:37		M 2
	25.01	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:27	20	
	33.54	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:08	21	
	84.66	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:47	22	
	129.55	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:11	23	
	138.29	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:40	24	
	189.40	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:31	25	
	198.04	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:08:02	26	
	259.70	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:10:12	27, b	S 4
	267.74	Downstream Manhole, Survey Ends 1417-0530	00:11:17	29	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20100818	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 451	PSR: 1009592
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: ZLAN	Clean Date: 08/18/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: MAPLEHURST PL	Flow Control: N Not Controlled	Start MH: 1417-0705
City: ZLAN	Year Renewed:	End MH: 1417-0704
Location Code: C Light Highway	Tap Media #:	pipe length: 263.92 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 266
Drain. Area: 0704/1417-0705/1417	Lining Method:
	Category:

Remark:: **break in pipe with infiltration**

1:650	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0705	00:00:09	96	
	0.00	Water Level, 5 % of cross sectional area	00:00:31		M 2
	0.00	Water Mark, 15 % of cross sectional area	00:00:34		M 2
	44.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:53	97	
	53.23	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:17	98	
	92.39	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:42	99	
	125.43	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:45	100	
	140.10	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:23	101	
	183.88	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:07:48	102, b	S 4
	183.88	Infiltration Runner, from 03 to 09 o'clock, within 8 inch: YES	00:08:12	104, b	M 4
	185.39	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:48	106	
	194.02	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:21	107	
	232.89	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:42	108	
	259.80	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:58	109	
	263.92	Downstream Manhole, Survey Ends 1417-0704	00:12:38	110	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4122	4	8	12	4	2.67	3



Inspection report

Date: 20100910	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1341	PSR: 82996
Total Pipe Length: 282	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/10/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: STILLMORE ST	Flow Control: N Not Controlled	Start MH: 1374-0446
City: STC	Year Renewed:	End MH: 1374-0445
Location Code: C Light Highway	Tap/Media #:	pipe length: 321.37 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 282
Drain. Area: 0445/1374-0446/1374	Lining Method:
	Category:

Remark:: **AGAINST FLOW**

1:660	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1374-0446		57	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	15.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:49	58	
	16.52	Crack Circumferential, from 01 to 06 o'clock, within 8 inch: YES	00:01:02	59, b	S 1
	31.58	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:36	61	
	32.46	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:01:48	62, b	S 1
	75.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:50	64	
	84.74	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:09	65	
	131.29	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:25	66	
	132.45	Crack Circumferential, from 03 to 10 o'clock, within 8 inch: YES	00:05:37	67, b	S 1
	140.71	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:00	69	
	187.36	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:20	70	
	193.39	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:36	71	
	223.51	Fracture Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:09:17	72, b	S 4
	234.20	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:09:49	74, b	S 3
	237.21	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:03	76, b	S 3
	240.13	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:24	78	
	240.81	Fracture Multiple, from 03 to 01 o'clock, within 8 inch: YES	00:10:35	79, b	S 4
	246.64	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:11:02	81, b	S 4
	249.26	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:20	83	
	255.97	Crack Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:11:35	84, b	S 3
	262.97	Crack Circumferential, from 11 to 05 o'clock, within 8 inch: YES	00:11:58	86, b	S 1



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Inspection report

Date: 20100910	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1341	PSR: 82996
Total Pipe Length: 282	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/10/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

1:660	position	observation	MPEG	photo	grade
	292.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:14	88	
	299.50	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:13:53	89, b	S 3
	305.72	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:54	91	
	321.37	Upstream Manhole, Survey Ends 1374-0445	00:15:50	92	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4334	2200	28	4	32	2.55	2	2.46



Inspection report

Date: 20100921	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1584	PSR: 82840
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/21/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: SIERRA ESTATES DR	Flow Control: N Not Controlled	Start MH: 1417-0096
City: STC	Year Renewed:	End MH: 1375-0089
Location Code: C Light Highway	Tape/Media #:	pipe length: 268.24 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 333
Drain. Area: 0096/1417-0089/1375	Lining Method:
	Category:

Remark:: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0096		359	
	0.00	Water Level, 5 % of cross sectional area	00:00:18		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:21		M 2
	8.64	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:05	360	
	16.67	Tap Break-In Active, at 02 o'clock, 4", within 8 inch: YES	00:01:31	361, b	
	21.69	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:02:01	363	
	21.69	Roots Fine Connection, from 10 to 02 o'clock, within 8 inch: YES	00:02:05	364	M 1
	44.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:53	365	
	56.44	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:03:48	366, b	S 3
	57.75	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:15	368	
	73.91	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:05:00	369, b	S 3
	79.24	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:05:49	371, b	S 4
	94.30	Fracture Multiple, from 09 to 05 o'clock, within 8 inch: YES	00:07:01	373, b	S 4
	152.55	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:11	375	
	155.16	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:27	376	
	203.97	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:05	377	
	216.82	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:40	378	
	250.26	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:51	379	
	268.24	Downstream Manhole, Survey Ends 1375-0089	00:13:42	380	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2211	14	5	19	3.5	1.67	2.71



Inspection report

Date: 20100920	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1587	PSR: 81856
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/20/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: VALLEY POINT LN	Flow Control: N Not Controlled	Start MH: 1417-0099
City: STC	Year Renewed:	End MH: 1417-0098
Location Code: C Light Highway	Tape/Media #:	pipe length: 349.58 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 312
Drain. Area: 0098/1417-0099/1417	Lining Method:
	Category:

Remark:: **NONE**

1:429	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0099		183	
	2.91	Water Level, 5 % of cross sectional area	00:00:35		M 2
	2.91	Water Mark, 5 % of cross sectional area	00:00:37		M 2
	3.21	Deposits Attached Encrustation, 5 % of cross sectional area, from 12 to 05 o'clock, within 8 inch: YES	00:00:46	184, b	M 2
	10.24 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:01:07	186, b	M 2
	18.68 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:01:38	188	M 2
	37.56	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:20	189	
	38.46	Roots Fine Joint, from 08 to 12 o'clock, within 8 inch: YES	00:02:31	190, b	
	40.47	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:03	192	
	51.12	Deposits Attached Encrustation, 5 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:03:29	193, b	M 2
	58.15	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:54	195	
	135.17	Fracture Multiple, from 12 to 03 o'clock, within 8 inch: YES	00:06:20	196, b	S 4
	135.17	Roots Medium Barrell, from 11 to 07 o'clock, 10, within 8 inch: YES	00:06:45	198, b	M 4
	136.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:12	200	
	136.88	Roots Fine Connection, from 06 to 09 o'clock, within 8 inch: YES	00:07:18	201	M 1
	143.01	Roots Fine Joint, at 03 o'clock, within 8 inch: YES	00:07:43	202, b	
	149.64	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:14	204	
	149.64	Roots Tap Connection, from 08 to 10 o'clock, 5, within 8 inch: YES	00:08:19	205, b	M 2
	150.74	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:09:03	207, b	S 4
	152.35	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:23	209	
	152.35	Roots Medium Connection, from 10 to 08 o'clock, 45 %, within 8 inch: YES	00:09:31	210	M 3
	163.39	Roots Tap Joint, from 07 to 09 o'clock, 5 %, within 8 inch: YES	00:10:08	211, b	
	163.70	Crack Multiple, from 06 to 08 o'clock, within 8 inch: YES	00:10:37	213, b	S 3



Inspection report

Date: 20100920	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1587	PSR: 81856
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/20/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

1:429	position	observation	MPEG	photo	grade
	190.61	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:43	215	
	190.61	Roots Medium Connection, from 07 to 01 o'clock, 5 %, within 8 inch: YES	00:11:49	216, b	M 3
	244.84	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:13:39	218	
	250.97	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES	00:14:07	219	M 2
	277.18 S2	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:15:04	220, b	M 2
	294.95 F2	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:16:11	222	M 2
	324.48	Deposits Attached Encrustation, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:17:06	223, b	M 2
	349.58	Downstream Manhole, Survey Ends 1417-0098	00:18:07	225	



Inspection report

Date: 20101207	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3367	PSR: 84201
Total Pipe Length: 208	Survey Customer: LACDPW	System Owner: STC	Clean Date: 12/07/2010	Pre-Cleaned: J Jetting	Map Grid #: 1334

Street: SOLEDAD CANYON RD	Flow Control: N Not Controlled	Start MH: 1334-0091
City: STC	Year Renewed:	End MH: 1334-0092
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 226.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 15/15
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 208
Drain. Area: 0091/1334-0092/1334	Lining Method:
	Category:

Remark: **TV UPSTREAM**

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1334-0091		3	
	6.10	Water Level, 15 % of cross sectional area	00:00:36		M 2
	6.10	Water Mark, 15 % of cross sectional area	00:01:21		M 2
	108.90	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:08	4, b	S 4
	151.80	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:03:24	8, b	S 2
	168.90	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:14	6, b	S 4
	205.60	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:05:11	10, b	S 2
	226.60	Upstream Manhole, Survey Ends 1334-0092	00:05:56	12	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4222	2200	12	4	16	3	2	2.67



Inspection report

Date: 20100922	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1591	PSR: 82761
Total Pipe Length: 174	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/22/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0125
City: STC	Year Renewed:	End MH: 1375-0124
Location Code: D Easement/Right of Way	Tap/Media #:	pipe length: 174.24 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 174
Drain. Area: 0124/1375-0125/1375	Lining Method:
	Category:

Remark:: **NONE**

1:425	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0125		203	
	0.50	Water Level, 5 % of cross sectional area	00:00:26		M 2
	0.50	Water Mark, 10 % of cross sectional area	00:00:27		M 2
	0.50	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:00:31	204, b	S 1
	44.19	Deposits Attached Encrustation, 5 % of cross sectional area, from 12 to 12 o'clock, within 8 inch: YES	00:02:20	206, b	M 2
	54.73	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:55	208, b	S 4
	74.22	Alignment Down, 10 °	00:03:53	210	M 1
	79.24	Alignment Up, 10 °	00:04:02	211	M 1
	96.71	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:04:31	212	
	114.59	Tap Factory Made Active, at 02 o'clock, 5", within 8 inch: YES	00:05:07	213	
	137.28	Tap Break-In Active, at 10 o'clock, 6", within 8 inch: YES	00:06:14	214	
	137.28	Roots Fine Connection, from 03 to 05 o'clock, within 8 inch: YES	00:06:20	215	M 1
	161.99	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:12	216	
	173.03	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:50	217, b	S 4
	174.24	Downstream Manhole, Survey Ends 1375-0124	00:08:23	219	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4211	2313	9	9	18	3	1.5	2



Inspection report

Date: 20100917	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1578	PSR: 81849
Total Pipe Length: 275	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/17/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: RIDGE VALE DR	Flow Control: N Not Controlled	Start MH: 1417-0088
City: STC	Year Renewed:	End MH: 1417-0092
Location Code: C Light Highway	Tape/Media #:	pipe length: 275.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 275
Drain. Area: 0088/1417-0092/1417	Lining Method:
	Category:

Remark:: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0088		93	
	0.00	Water Level, 15 % of cross sectional area	00:00:19		M 2
	0.00	Water Mark, 25 % of cross sectional area	00:00:22		M 2
	14.16	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:00:57	94, b	S 4
	47.10	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:02:04	96, b	S 1
	62.36 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:02:44	98, b	M 2
	66.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:12	100	
	85.06	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:48	101	
	129.75	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:11	102	
	195.43	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:55	103	
	203.06	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:19	104	
	214.91 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:07:50	105	M 2
	224.35	Fracture Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:08:31	106, b	S 4
	224.35 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:08:52	108, b	M 2
	251.27	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:51	110	
	262.82 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:10:20	111	M 2
	275.17	Downstream Manhole, Survey Ends 1417-0092	00:10:59	112	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4211	2G00	9	82	91	3	2	2.07



Inspection report

Date: 20100924	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1627	PSR: 82815
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/24/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: SIERRA ESTATES DR	Flow Control: N Not Controlled	Start MH: 1375-0120
City: STC	Year Renewed	End MH: 1375-0119
Location Code: C Light Highway	Tape/Media #:	pipe length: 183.98 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0119/1375-0120/1375	Lining Method:
	Category:

Remark: **CAMERA BLOCKED BY ROTS**

1:450	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0120		84	
	0.10	Water Level, 5 % of cross sectional area	00:00:19		M 2
	0.10	Water Mark, 5 % of cross sectional area	00:00:20		M 2
	4.62	Infiltration Runner, from 07 to 09 o'clock, within 8 inch: YES	00:00:46	85, b	M 4
	47.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:12	87	
	47.30	Roots Medium Joint, from 08 to 04 o'clock, 5 %, within 8 inch: YES	00:02:26	88, b	
	47.90	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:02:36	90, b	S 4
	57.64	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:03:20	92, b	
	63.17	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:03:50	94, b	S 4
	63.17	Roots Fine Barrell, from 03 to 09 o'clock, within 8 inch: YES	00:04:04	96, b	M 2
	73.61	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:04:38	98, b	
	83.05	Roots Fine Joint, at 09 o'clock, within 8 inch: YES	00:05:05	100, b	
	124.63	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:06:26	102	
	141.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:18	103	
	142.30	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:07:32	104, b	
	152.75	Roots Tap Joint, from 08 to 10 o'clock, 5, within 8 inch: YES	00:08:07	106, b	
	166.61	Roots Medium Joint, from 02 to 10 o'clock, 45, within 8 inch: YES	00:10:07	108, b	
	183.98	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:13	110	
	183.98	Roots Ball Connection, from 12 to 12 o'clock, 100 %, within 8 inch: YES	00:12:24	111, b	M 4
	183.98	Survey Abandoned, Remark: CAMERA BLOCKED BY ROTS	00:14:17	113	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	4223	8	14	22	4	2.8	3.14



Inspection report

Date: 20100924	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1620	PSR: 82815
Total Pipe Length: 304	Survey Customer: LACOPW	System Owner: STC	Clean Date: 09/24/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: SIERRA ESTATES	Flow Control: N Not Controlled	Start MH: 1375-0119
City: STC	Year Renewed:	End MH: 1375-0120
Location Code: C Light Highway	Tape/Media #:	pipe length: 127.44 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0119/1375-0120/1375	Lining Method:
	Category:

Remark: **REVERSE SET UP**

1:325	position	observation	MPEG	photo	grade
	0.00	Reversal Inspection		183	
	0.00	Downstream Manhole, Survey Begins 1375-0119		184	
	<u>0.00</u>	Water Level, 5 % of cross sectional area	00:00:24		M 2
	<u>0.00</u>	Water Mark, 10 % of cross sectional area	00:00:27		M 2
	<u>6.63</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:00:46	185	
	<u>6.63</u>	Roots Medium Connection, from 04 to 11 o'clock, 45, within 8 inch: YES	00:00:49	186	M 3
	<u>14.76</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:14	187	
	<u>14.76</u>	Roots Medium Connection, from 05 to 10 o'clock, 30 %, within 8 inch: YES	00:01:16	188	M 3
	<u>62.87</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:19	189	
	<u>78.83</u>	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:02:44	190, b	
	<u>80.84</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:05	192	
	<u>121.82</u>	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:03:58	193, b	
	<u>127.44</u>	Roots Ball Connection, from 12 to 12 o'clock, 100 %, within 8 inch: YES	00:04:26	195, b	M 4
	<u>127.44</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:36	197	
	<u>127.44</u>	Survey Abandoned, Remark: CAMERA BLOCKED BY ROOTS	00:04:46	198	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4132	0	14	14	0	2.8	2.8



Inspection report

Date: 20100908	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1248	PSR: 82368
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/08/2010	Pre-Cleaned: J Jetting	Map Grid #: 1376

Street: FRIENDLY VLY PKWY	Flow Control: N Not Controlled	Start MH: 1376-0032
City: STC	Year Renewed:	End MH: 1376-0031
Location Code: C Light Highway	Tap/Media #:	pipe length: 238.41 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0031/1376-0032/1376	Lining Method:
	Category:

Remark:: **CRACKS**

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1376-0032	00:00:10	192	
	0.00	Water Level, 5 % of cross sectional area	00:00:28		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:32		M 2
	27.62	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:38	193	
	59.25	Crack Multiple, from 05 to 11 o'clock, within 8 inch: YES	00:03:20	194, b	S 3
	80.84	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:36	196	
	83.55	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:59	197	
	99.82	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:05:54	198, b	S 3
	120.01	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:07:11	200, b	S 3
	135.07	Crack Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:08:17	202, b	S 3
	147.02	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:06	204	
	148.23	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:09:22	205, b	S 2
	152.45	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:25	207, b	S 4
	172.43	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:11:48	209, b	S 3
	188.90	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:12:38	211, b	S 3
	190.01	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:12:55	213	
	202.76	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:13:26	214	
	238.41	Downstream Manhole, Survey Ends 1376-0031	00:14:39	215	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	2200	24	4	28	3	2	2.8



Inspection report

Date: 20101028	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2405	PSR: 82901
Total Pipe Length: 161	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/28/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0052
City: STC	Year Renewed:	End MH: 1375-0040
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 153.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12/12
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 161
Drain. Area: 0040/1375-0052/1375	Lining Method:
	Category:

Remark:: **NONE**

1:375	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0052		40	
	0.00	Water Level, 10 % of cross sectional area	00:00:18		M 2
	0.00	Water Mark, 15 % of cross sectional area	00:00:20		M 2
	40.60	Infiltration Runner, at 08 o'clock, within 8 inch: YES	00:01:42	41, b	M 4
	66.10	Roots Medium Barrell, from 12 to 09 o'clock, 35, within 8 inch: YES	00:02:49	43, b	M 4
	66.50	Fracture Multiple, from 08 to 08 o'clock, within 8 inch: YES	00:03:25	45, b	S 4
	71.70	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:04:01	47, b	S 3
	71.70	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:04:14	49, b	
	76.50	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:04:35	51, b	S 3
	81.00	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:04:56	53, b	S 3
	91.80	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:05:39	55, b	S 3
	96.30	Crack Spiral, from 01 to 05 o'clock, within 8 inch: YES	00:06:10	57, b	S 2
	101.60	Crack Spiral, from 02 to 05 o'clock, within 8 inch: YES	00:06:31	59, b	S 2
	153.50	Downstream Manhole, Survey Ends 1375-0040	00:08:08	61	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	4222	20	12	32	2.86	3	2.91



WinCan America, Inc.
 1730 Montano Road NE, Suite E
 Albuquerque, NM 87107
 Tel: (505) 341.0109, Fax: (505) 341.0133

Inspection report

Date: 20101117	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3091	PSR: 765092
Total Pipe Length: 72	Survey Customer: LACDPW	System Owner: STC	Clean Date: 11/17/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0676
City: STC	Year Renewed:	End MH: 1375-0044
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 70 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 72
Drain. Area: 0044/1375-0676/1375	Lining Method:
	Category:

Remark:: **NONE**

1:175	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0676		30	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	1.10	Fracture Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:00:39	31, b	S 4
	12.70	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:16	33, b	S 2
	17.40	Crack Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:01:37	35, b	S 3
	28.50	Crack Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:02:05	37, b	S 3
	33.70	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:02:25	39, b	S 3
	70.00	Downstream Manhole, Survey Ends 1375-0044	00:03:39	41	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	15	4	19	3	2	2.71



Inspection report

Date: 20101208	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3376	PSR: 81901
Total Pipe Length: 318	Survey Customer: LACDPW	System Owner: STC	Clean Date: 12/08/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: VILNA AV	Flow Control: N Not Controlled	Start MH: 1417-0020
City: STC	Year Renewed:	End MH: 1417-0019
Location Code: C Light Highway	Tape/Media #:	pipe length: 320.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 318
Drain. Area: 0019/1417-0020/1417	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0020		59	
	0.00	Water Level, 40 % of cross sectional area	00:00:16		M 2
	0.00	Water Mark, 50 % of cross sectional area	00:00:18		M 3
	4.90	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:00:27	60	
	6.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:00:46	61	
	32.80	Water Level, 5 % of cross sectional area	00:01:37	62	M 2
	72.70	Water Level, Sag in pipe, 50 % of cross sectional area	00:02:59	63	M 3
	75.90	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:22	64, b	S 4
	77.30	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:57	66	
	78.50 S1	Camera Underwater, start	00:05:43	67	M 4
	99.00 F1	Camera Underwater, end	00:06:24		M 4
	126.30 S2	Camera Underwater, start	00:05:21	76	M 4
	180.00 F2	Camera Underwater, end	00:06:14		M 4
	199.70	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:07:30	68, b	S 3
	202.20	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:07:46	70, b	S 3
	211.50	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:17	72	
	223.10	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:08:47	73, b	S 3
	224.20	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:03	75	
	245.40 S2	Camera Underwater, start	00:08:09	77	M 4
	255.50 F2	Camera Underwater, end	00:08:25		M 4
	314.10	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES	00:09:42	78, b	M 4
	320.30	Downstream Manhole, Survey Ends 1417-0019	00:10:05	80	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	4C32	13	82	95	3.25	3.73	3.65



Inspection report

Date: 20100921	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1563	PSR: 82844
Total Pipe Length: 283	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/21/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: TORREY PINES DR	Flow Control: N Not Controlled	Start MH: 1375-0092
City: STC	Year Renewed:	End MH: 1375-0093
Location Code: C Light Highway	Tape/Media #:	pipe length: 321.77 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 283
Drain. Area: 0092/1375-0093/1375	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
		1375-0092			
	0.00	Upstream Manhole, Survey Begins 1375-0092			396
	0.00	Water Level, 5 % of cross sectional area	00:00:28		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:30		M 2
	0.00	Deposits Attached Encrustation, 5 % of cross sectional area, from 07 to 05 o'clock, within 8 inch: YES	00:01:19	397, b	M 2
	6.23	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:01:59	399, b	S 3
	6.43	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:17	401	
	9.34	S1 Deposits Attached Encrustation, 5 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES, start	00:02:30	402, b	M 2
	38.06	Fracture Multiple, from 01 to 09 o'clock, within 8 inch: YES	00:03:49	404, b	S 4
	39.47	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:10	406	
	56.04	Crack Multiple, from 02 to 04 o'clock, within 8 inch: YES	00:04:52	407, b	S 3
	67.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:29	409	
	111.17	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:00	410	
	123.52	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:33	411	
	156.87	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:43	412	
	184.99	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:43	413	
	212.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:48	414	
	212.80	F1 Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:11:23	415	M 2
	239.22	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES	00:12:09	416, b	M 2
	296.56	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:14:17	418	
	299.17	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:14:33	419	
	321.77	Downstream Manhole, Survey Ends 1375-0093	00:15:43	420	
		1375-0093			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2H00	10	90	100	3.33	2	2.08



Inspection report

Date: 20100923	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1607	PSR: 82868
Total Pipe Length: 199	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/23/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0115
City: STC	Year Renewed:	End MH: 1375-0116
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 197.54 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 199
Drain. Area: 0115/1375-0116/1375	Lining Method:
	Category:

Remark: **TV UPSTREAM**

1:500	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1375-0115		74	
	0.00	Water Level, 15 % of cross sectional area, Remark: CAMERA HOLDING BACK WATER	00:00:49	75	M 2
	2.91	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:00	76	
	6.93	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:26	77	
	39.07	Tap Break-In Active, at 01 o'clock, 4", within 8 inch: YES	00:03:01	78	
	39.07	Roots Medium Connection, from 09 to 01 o'clock, 30 %, within 8 inch: YES	00:03:04	79	M 3
	42.88	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:03:18	80, b	
	124.13	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:06:07	82, b	
	144.21	Infiltration Runner, from 03 to 05 o'clock, within 8 inch: YES	00:07:00	84, b	M 4
	149.43	Infiltration Runner, from 04 to 05 o'clock, within 8 inch: YES	00:07:23	86, b	M 4
	154.56	Roots Medium Joint, from 11 to 12 o'clock, 5 %, within 8 inch: YES	00:07:56	88, b	
	164.70	Infiltration Runner, from 07 to 08 o'clock, within 8 inch: YES	00:08:36	90, b	M 4
	179.56	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:09:30	92, b	S 3
	189.10	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:11:22	94, b	S 3
	189.40	Infiltration Runner, from 07 to 09 o'clock, within 8 inch: YES	00:10:54	96, b	M 4
	189.50	Roots Fine Joint, from 11 to 04 o'clock, within 8 inch: YES	00:11:09	98, b	
	194.73	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:11:55	100, b	S 4
	194.83	Roots Tap Barrell, from 07 to 08 o'clock, 5, within 8 inch: YES	00:12:12	102, b	M 3
	197.54	Upstream Manhole, Survey Ends 1375-0116	00:12:45	104	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	4432	10	24	34	3.33	3.43	3.4



Inspection report

Date: 20100913	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1283	PSR: 82782
Total Pipe Length: 224	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/10/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: BEACHGROVE CT	Flow Control: N Not Controlled	Start MH: 1375-0144
City: STC	Year Renewed	End MH: 1375-0143
Location Code: C Light Highway	Tape/Media #:	pipe length: 282.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 224
Drain. Area: 0143/1375-0144/1375	Lining Method:
	Category:

Remark:: **ENCrustATIONS**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0144	00:00:05	32	
	6.43	Crack Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:00:44	33, b	S 3
	7.93	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:04	35	
	8.94	Crack Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:01:30	36, b	S 3
	10.44	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:47	38	
	11.85	Fracture Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:02:25	39, b	S 4
	12.96	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:47	41	
	35.85	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:27	42	
	38.36	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:47	43	
	55.13	Deposits Attached Encrustation, 5 of cross sectional area, from 02 to 05 o'clock, within 8 inch: YES	00:04:26	44, b	M 2
	72.31 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:06:27	46	M 2
	72.31	Water Level, 5 % of cross sectional area	00:06:37		M 2
	72.31	Water Mark, 5 % of cross sectional area	00:06:39		M 2
	111.47	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:32	47	
	113.98	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:46	48	
	139.69 S1	Alignment Right, , start	00:08:29	49	M 1
	167.21	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:11	50	
	168.42	Deposits Attached Encrustation, 10 % of cross sectional area, from 01 to 05 o'clock, within 8 inch: YES	00:09:37	51, b	M 2
	220.84 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:10:58	53	M 2
	230.38	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:11:16	54	
	232.89	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:31	55	
	279.69 F1	Alignment Right, , end	00:12:47	56	M 1
	282.40	Downstream Manhole, Survey Ends 1375-0143	00:13:06	57	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2F1E	10	96	106	3.33	1.55	1.63



Inspection report

Date: 20100915	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1513	PSR: 82852
Total Pipe Length: 245	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/14/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: LARK HEAVEN PL	Flow Control: N Not Controlled	Start MH: 1375-0101
City: STC	Year Renewed:	End MH: 1375-0104
Location Code: C Light Highway	Tape/Media #:	pipe length: 293.85 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 245
Drain. Area: 0101/1375-0104/1375	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0101		13	
	0.00	Water Level, 5 % of cross sectional area	00:00:19		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:22		M 2
	0.00	Fracture Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:00:37	14, b	S 4
	5.12 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:01:32	16, b	M 2
	49.11	Infiltration Runner, from 06 to 08 o'clock, within 8 inch: YES	00:03:12	18, b	M 4
	60.26	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:13	20	
	98.62	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:29	21	
	148.93	Deposits Attached Encrustation, 10 % of cross sectional area, from 07 to 11 o'clock, within 8 inch: YES	00:09:52	22, b	M 2
	162.09 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:11:51	24	M 2
	169.12	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:10	25	
	173.24 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:12:53	26, b	M 2
	179.56 S1	Alignment Right, , start	00:13:31	28	M 1
	219.13	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:15:02	29	
	228.37	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:16:21	30	
	282.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:18:36	31	
	289.23 F1	Alignment Right, , end	00:19:02	32	M 1
	290.53	Crack Multiple, from 05 to 10 o'clock, within 8 inch: YES	00:19:44	33, b	S 3
	293.85 F1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:20:17	35	M 2
	293.85	Downstream Manhole, Survey Ends 1375-0104	00:20:28	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	412K	7	142	149	3.5	1.75	1.8



Inspection report

Date: 20100913	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1277	PSR: 82859
Total Pipe Length: 252	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/13/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: FAIRGATE AV	Flow Control: N Not Controlled	Start MH: 1375-0108
City: STC	Year Renewed:	End MH: 1375-0109
Location Code: C Light Highway	Tap Media #:	pipe length: 219.53 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 252
Drain. Area: 0108/1375-0109/1375	Lining Method:
	Category:

Remark:: **NONE**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0108	00:00:05	170	
	0.00	Water Level, 5 % of cross sectional area	00:00:22		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:25		M 2
	0.00	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:00:38	171, b	S 3
	59.25	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:17	173	
	71.91	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:47	174	
	123.22	Roots Fine Joint, from 01 to 02 o'clock, within 8 inch: YES	00:04:05	175, b	
	149.84	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:04	177	
	216.92	Fracture Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:06:59	178, b	S 4
	218.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:17	180	
	219.53	Downstream Manhole, Survey Ends 1375-0109	00:07:43	181	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20101019	P.O.#: Y0TV0910D	Weather: 3 Light rain	Surveyed By: A OBRIEN	section number: 2323	PSR: 82689
Total Pipe Length: 290	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/18/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PRIVATE RD	Flow Control: N Not Controlled	Start MH: 1375-0283
City: STC	Year Renewed:	End MH: 1375-0282
Location Code: G Parking Lot	Tape/Media #:	pipe length: 285.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 290
Drain. Area: 0282/1375-0283/1375	Lining Method:
	Category:

Remark:: **NONE**

1:462	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0283		35	
	0.70	Water Level, 5 % of cross sectional area	00:00:23		M 2
	0.70	Water Mark, 5 % of cross sectional area	00:00:24		M 2
	11.90	Roots Medium Joint, from 08 to 03 o'clock, 10 %, within 8 inch: YES	00:00:45	36, b	
	15.10	Roots Medium Joint, from 08 to 03 o'clock, 10 %, within 8 inch: YES	00:01:03	38, b	
	19.10	Roots Medium Joint, from 02 to 05 o'clock, 5 %, within 8 inch: YES	00:01:19	40, b	
	24.00	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:01:42	42	
	24.60	Roots Fine Joint, from 08 to 11 o'clock, within 8 inch: YES	00:02:01	43, b	
	43.90	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:02:44	45	
	62.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:38	46	
	78.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:04:28	47	
	82.70	Roots Fine Joint, from 01 to 03 o'clock, within 8 inch: YES	00:04:51	48, b	
	101.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:05:49	50	
	101.70	Roots Medium Connection, from 03 to 09 o'clock, 40 %, within 8 inch: YES	00:05:53	51	M 3
	120.10	Roots Fine Joint, from 04 to 05 o'clock, within 8 inch: YES	00:06:38	52, b	
	122.40	Roots Fine Joint, from 04 to 09 o'clock, within 8 inch: YES	00:06:59	54, b	
	125.70	Roots Medium Joint, from 04 to 09 o'clock, 5 %, within 8 inch: YES	00:07:17	56, b	
	129.50	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:07:38	58, b	
	136.70	Fracture Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:08:06	60, b	S 4
	136.70	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:08:30	62, b	S 3
	141.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:52	64	
	141.40	Roots Fine Connection, from 03 to 09 o'clock, within 8 inch: YES	00:09:04	65	M 1
	157.40	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:09:39	66	
	180.30	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:10:23	67	



Inspection report

Date: 20101019	P.O.#: Y0TV0910D	Weather: 3 Light rain	Surveyed By: A OBRIEN	section number: 2323	PSR: 82689
Total Pipe Length: 290	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/18/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

1:462	position	observation	MPEG	photo	grade
	199.30	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:11:25	68	
	219.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:06	69	
	238.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:13:14	70	
	261.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:14:07	71	
	280.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:16:11	72	
	285.40	Downstream Manhole, Survey Ends 1375-0282	00:16:43	73	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	3122	7	8	15	3.5	2	2.5



Inspection report

Date: 20100908	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1329	PSR: 83021
Total Pipe Length: 336	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/08/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PLUMWOOD AV	Flow Control: N Not Controlled	Start MH: 1374-0466
City: STC	Year Renewed:	End MH: 1375-0004
Location Code: C Light Highway	Tape/Media #:	pipe length: 332.25 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 336
Drain. Area: 0004/1375-0466/1374	Lining Method:
	Category:

Remark.: **AGAINST FLOW**

1:825	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1374-0466		91	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	7.68	Crack Circumferential, from 08 to 11 o'clock, within 8 inch: YES	00:00:44	92, b	S 1
	63.26	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:14	94	
	66.08	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:23	95	
	118.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:43	96	
	121.38	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:51	97	
	174.34	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:03	98	
	176.77	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:11	99	
	226.23	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:27	100	
	228.86	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:36	101	
	288.04	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:11	102	
	290.66	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:21	103	
	325.26	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:17	104	
	326.23	Fracture Circumferential, from 09 to 05 o'clock, within 8 inch: YES	00:09:29	105, b	S 2
	327.88	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:42	107	
	328.66	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:58	108, b	S 4
	332.25	Upstream Manhole, Survey Ends 1375-0004	00:10:35	110	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	7	4	11	2.33	2	2.2



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Inspection report

Date: 20101022	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2356	PSR: 82822
Total Pipe Length: 102	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/22/2010	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1375

Street: AVE OF THE OAKS	Flow Control: N Not Controlled	Start MH: 1375-0077
City: STC	Year Renewed:	End MH: 1375-0076
Location Code: C Light Highway	Tape/Media #:	pipe length: 135.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12/12
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 102
Drain. Area: 0076/1375-0077/1375	Lining Method:
	Category:

Remark:: **NONE**

1:350	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0077		12	
	0.00	Water Level, 15 % of cross sectional area	00:00:24		M 2
	0.00	Water Mark, 75 % of cross sectional area	00:00:26		M 5
	64.80	Fracture Multiple, from 10 to 01 o'clock, within 8 inch: YES	00:02:16	13, b	S 4
	115.40	Crack Spiral, from 01 to 04 o'clock, within 8 inch: YES	00:03:55	15, b	S 2
	135.80	Downstream Manhole, Survey Ends 1375-0076	00:04:43	17	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	5121	6	7	13	3	3.5	3.25



Inspection report

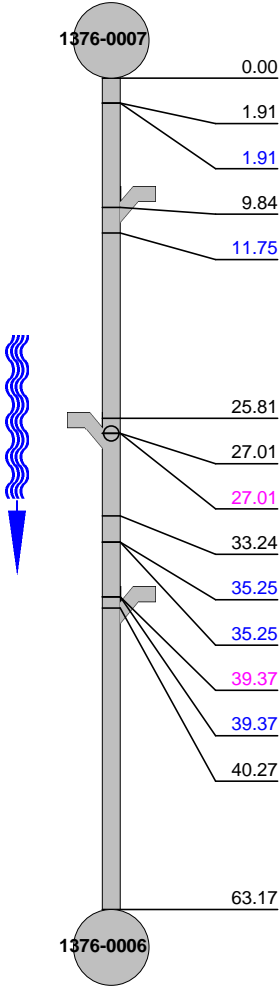
Date: 20100901	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 989	PSR: 82346
Total Pipe Length: 93	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/01/2010	Pre-Cleaned: J Jetting	Map Grid #: 1376

Street: MOUNTAIN PASS RD	Flow Control: N Not Controlled	Start MH: 1376-0007
City: STC	Year Renewed:	End MH: 1376-0006
Location Code: C Light Highway	Tape/Media #:	pipe length: 63.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 93
Drain. Area: 0006/1376-0007/1376	Lining Method:
	Category:

Remark:: **ROOTS**

1:175	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1376-0007	00:00:14	150	
	1.91	Roots Fine Joint, from 02 to 07 o'clock, within 8 inch: YES	00:00:48	151, b	
	1.91	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:01:24	153, b	S 2
	9.84	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:00	155	
	11.75	Deposits Attached Encrustation, 5 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:02:34	156, b	M 2
	25.81	Roots Medium Joint, from 07 to 03 o'clock, 5 %, within 8 inch: YES	00:03:10	158, b	
	27.01	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:25	160	
	27.01	Roots Ball Connection, from 12 to 12 o'clock, 100 %, within 8 inch: YES	00:03:29	161, b	M 4
	33.24	Roots Fine Joint, from 07 to 10 o'clock, within 8 inch: YES	00:04:46	163, b	
	35.25	Water Level, 5 % of cross sectional area	00:05:10		M 2
	35.25	Water Mark, 5 % of cross sectional area	00:05:11		M 2
	39.37	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:05:50	165, b	S 4
	39.37	Roots Fine Barrell, from 07 to 11 o'clock, within 8 inch: YES	00:06:09	167, b	M 2
	40.27	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:25	169	
	63.17	Downstream Manhole, Survey Ends 1376-0006	00:07:18	170	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	4124	6	12	18	3	2.4	2.57



Inspection report

Date: 20101027	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2401	PSR: 82926
Total Pipe Length: 200	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/27/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0064
City: STC	Year Renewed:	End MH: 1375-0063
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 196 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 200
Drain. Area: 0063/1375-0064/1375	Lining Method:
	Category:

Remark:: **NONE**

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0064		21	
	0.00	Water Level, 10 % of cross sectional area	00:00:19		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:21		M 2
	7.00	Infiltration Runner, at 04 o'clock, within 8 inch: YES	00:00:47	22, b	M 4
	9.20	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: YES	00:01:12	24	
	9.20	Roots Fine Connection, from 01 to 04 o'clock, within 8 inch: YES	00:01:15	25	M 1
	21.70	Infiltration Runner, at 08 o'clock, within 8 inch: YES	00:01:44	26, b	M 4
	73.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:12	28	
	120.50	Material Change, XXX Not known	00:04:52	29	
	130.20	Material Change, VCP Vitrified Clay Pipe	00:05:12	30	
	140.00	Roots Medium Joint, from 07 to 09 o'clock, 5, within 8 inch: YES	00:05:43	31, b	
	140.30	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:06:09	33, b	S 4
	153.60	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:06:47	35, b	S 1
	181.90	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:07:43	37	
	196.00	Downstream Manhole, Survey Ends 1375-0063	00:08:23	38	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	4222	5	13	18	2.5	2.6	2.57



Inspection report

Date: 20101025	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2371	PSR: 82929
Total Pipe Length: 209	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/25/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0066
City: STC	Year Renewed:	End MH: 1375-0065
Location Code: D Easement/Right of Way	Tap Media #:	pipe length: 206.8 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 209
Drain. Area: 0065/1375-0066/1375	Lining Method:
	Category:

Remark:: **NONE**

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0066		100	
	0.00	Water Level, 5 % of cross sectional area	00:00:19		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:21		M 2
	42.30	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:01:51	101, b	S 1
	155.40	Roots Medium Joint, from 02 to 04 o'clock, 15, within 8 inch: YES	00:05:07	103, b	
	201.20	Roots Fine Joint, from 07 to 11 o'clock, within 8 inch: YES	00:06:31	105, b	
	201.20	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:06:34	107, b	S 4
	206.80	Downstream Manhole, Survey Ends 1375-0065	00:07:17	109	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2200	5	4	9	2.5	2	2.25



Inspection report

Date: 20101025	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2379	PSR: 82530
Total Pipe Length: 189	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/25/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: OAK BRANCH CR	Flow Control: N Not Controlled	Start MH: 1375-0371
City: STC	Year Renewed:	End MH: 1375-0375
Location Code: C Light Highway	Tape/Media #:	pipe length: 188.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 189
Drain. Area: 0371/1375-0375/1375	Lining Method:
	Category:

Remark::

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0371		31	
	0.00	Water Level, 5 % of cross sectional area	00:00:09		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:11		M 2
	5.20	Joint Offset Medium	00:00:24	32, b	S 1
	84.00	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:02:46	34	
	84.00	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:02:59	35, b	S 4
	136.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:39	37	
	185.10	Deposits Attached Encrustation, 5 % of cross sectional area, from 12 to 12 o'clock, within 8 inch: YES	00:06:06	38, b	M 2
	188.30	Downstream Manhole, Survey Ends 1375-0375	00:06:32	40	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2300	5	6	11	2.5	2	2.2



Inspection report

Date: 20101208	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3375	PSR: 81900
Total Pipe Length: 187	Survey Customer: LACDPW	System Owner: STC	Clean Date: 12/08/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: HOMYR PL	Flow Control: N Not Controlled	Start MH: 1417-0018
City: STC	Year Renewed:	End MH: 1417-0017
Location Code: C Light Highway	Tap Media #:	pipe length: 218.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 187
Drain. Area: 0017/1417-0018/1417	Lining Method:
	Category:

Remark: **ROOTS**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0018		45	
	0.00	Water Level, 5 % of cross sectional area	00:00:16		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:19		M 2
	9.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:00:42	46	
	10.20	Roots Tap Joint, from 11 to 01 o'clock, 10, within 8 inch: YES	00:01:12	47, b	
	10.40	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:01:40	49, b	S 4
	54.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:00	51	
	113.30	Deposits Attached Encrustation, 5 % of cross sectional area, from 09 to 03 o'clock, within 8 inch: YES	00:04:42	52, b	M 2
	155.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:04	54	
	162.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:26	55	
	217.60	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:08:14	56, b	S 1
	218.60	Downstream Manhole, Survey Ends 1417-0017	00:08:45	58	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2300	5	6	11	2.5	2	2.2



Inspection report

Date: 20101101	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2552	PSR: 84214
Total Pipe Length: 222	Survey Customer: LACDPW	System Owner: STC	Clean Date: 11/01/2010	Pre-Cleaned: J Jetting	Map Grid #: 1335

Street: GOLDEN TRIANGLE RD	Flow Control: N Not Controlled	Start MH: 1335-0081
City: STC	Year Renewed:	End MH: 1334-0107
Location Code: C Light Highway	Tape/Media #:	pipe length: 224.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 222
Drain. Area: 0081/1335-0107/1334	Lining Method:
	Category:

Remark: **TV UPSTREAM**

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1335-0081		63	
	0.00	Water Level, 5 % of cross sectional area	00:00:19		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:22		M 2
	103.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:57	64	
	222.00	Tap Break-In Active, at 01 o'clock, 4", within 8 inch: YES	00:06:03	65	
	222.00	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:06:19	66, b	S 4
	224.20	Upstream Manhole, Survey Ends 1335-0107	00:07:07	68	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20100812	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 222	PSR: 83372
Total Pipe Length: 292	Survey Customer: LACDPW	System Owner: STC	Clean Date: 08/12/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: FOXLANE DR	Flow Control: N Not Controlled	Start MH: 1374-0151
City: STC	Year Renewed:	End MH: 1374-0150
Location Code: C Light Highway	Tap/Media #:	pipe length: 287.06 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 292
Drain. Area: 0150/1374-0151/1374	Lining Method:
	Category:

Remark:: **NONE**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1374-0151	00:00:00	228	
	0.00	Water Level, 5 % of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:00		M 2
	65.43	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:23	229	
	133.56	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:34	230	
	187.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:20	231	
	241.88	Tap Factory Made Defective, at 03 o'clock, 6", within 8 inch: YES, Remark: ROOTS	00:07:51	232	M 2
	264.02	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:08:56	233, b	S 4
	287.06	Downstream Manhole, Survey Ends 1374-0150	00:10:30	235	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2300	4	6	10	4	2	2.5



Inspection report

Date: 20101101	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2553	PSR:
Total Pipe Length: 314	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/29/2010	Pre-Cleaned: J Jetting	Map Grid #: 1374

Street: GOLDEN TRIANGLE RD	Flow Control: N Not Controlled	Start MH: 1374-0587
City: STC	Year Renewed:	End MH: 1374-0586
Location Code: C Light Highway	Tape/Media #:	pipe length: 314.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 314
Drain. Area: 0586/1374-0587/1374	Lining Method:
	Category:

Remark:: **NONE**

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1374-0587		5	
	0.00	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:00:39	6, b	S 4
	12.10	Tap Factory Made, at 10 o'clock, 4", within 8 inch: YES	00:01:30	8	
	121.70	Tap Factory Made, at 10 o'clock, 6", within 8 inch: YES	00:04:45	9	
	222.30	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:07:44	10	
	307.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:16	11	
	309.30	Vermin Cockroach	00:10:33	12	M 1
	314.50	Downstream Manhole, Survey Ends 1374-0586	00:10:59	13	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	1100	4	1	5	4	1	2.5



Inspection report

Date: 20101122	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3192	PSR: 82987
Total Pipe Length: 300	Survey Customer: LACDPW	System Owner: STC	Clean Date: 11/22/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: PRIVATE RD	Flow Control: N Not Controlled	Start MH: 1375-0011
City: STC	Year Renewed:	End MH: 1375-0009
Location Code: H Alley	Tape/Media #:	pipe length: 297 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 300
Drain. Area: 0009/1375-0011/1375	Lining Method:
	Category:

Remark:: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0011		15	
	0.00	Water Level, 5 % of cross sectional area	00:00:14		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:16		M 2
	3.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:00:31	16	
	43.90	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:02:31	17	
	67.00	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:40	18	
	101.50	Fracture Multiple, from 07 to 01 o'clock, within 8 inch: YES	00:05:09	19, b	S 4
	104.50	Tap Break-In Active, at 12 o'clock, 4", within 8 inch: YES	00:05:52	21	
	127.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:44	22	
	150.20	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:07:36	23	
	190.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:16	24	
	240.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:25	25	
	249.20	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:12:47	26	
	297.00	Downstream Manhole, Survey Ends 1375-0009	00:18:46	27	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20101122	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3196	PSR: 82906
Total Pipe Length: 184	Survey Customer: LACDPW	System Owner: STC	Clean Date: 11/22/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: SIERRA HWY	Flow Control: N Not Controlled	Start MH: 1375-0046
City: STC	Year Renewed:	End MH: 1375-0045
Location Code: F Sidewalk	Tape/Media #:	pipe length: 115.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12/12
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 184
Drain. Area: 0045/1375-0046/1375	Lining Method:
	Category:

Remark:: **NONE**

1:300	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0046	00:00:05	55	
	0.00	Water Level, 10 % of cross sectional area	00:00:14		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:17		M 2
	82.50	Roots Fine Joint, from 03 to 10 o'clock, within 8 inch: YES	00:01:49	56, b	
	113.30	Fracture Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:02:44	58, b	S 4
	115.40	Downstream Manhole, Survey Ends 1375-0045	00:03:18	60	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20101027	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2402	PSR: 82928
Total Pipe Length: 180	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/27/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0067
City: STC	Year Renewed:	End MH: 1375-0064
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 175.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 180
Drain. Area: 0064/1375-0067/1375	Lining Method:
	Category:

Remark:: **NONE**

1:450	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0067	00:00:06	11	
	0.00	Water Level, 5 % of cross sectional area	00:00:17		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:19		M 2
	0.60	Roots Medium Joint, from 03 to 09 o'clock, 5 %, within 8 inch: YES	00:00:30	12, b	
	6.90	Roots Fine Joint, from 12 to 02 o'clock, within 8 inch: YES	00:01:06	14, b	
	73.80	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:26	16	
	166.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:05:45	17	
	173.30	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:06:15	18, b	S 4
	175.20	Downstream Manhole, Survey Ends 1375-0064	00:06:47	20	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20101011	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2247	PSR: 82578
Total Pipe Length: 281	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/11/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0302
City: STC	Year Renewed:	End MH: 1375-0293
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 286.32 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 281
Drain. Area: 0293/1375-0302/1375	Lining Method:
	Category:

Remark:: **ENCRUSTATION**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0302		71	
	0.00	Water Level, 5 % of cross sectional area	00:00:17		M 2
	0.00	Water Mark, 5 of cross sectional area	00:00:20		M 2
	0.00	S1 Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:00:25	72, b	M 2
	26.11	F1 Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, end	00:01:32	74	M 2
	31.23	S2 Alignment Right, , start	00:01:59	75	M 1
	40.37	F2 Alignment Right, , end	00:02:28	76	M 1
	43.38	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:43	77	
	43.38	Roots Ball Connection, from 04 to 01 o'clock, 85 %, within 8 inch: YES	00:02:46	78, b	M 4
	61.56	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:50	80	
	61.56	Roots Medium Connection, from 12 to 12 o'clock, 30 %, within 8 inch: YES	00:03:55	81, b	M 3
	74.72	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:40	83	
	145.12	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:52	84	
	172.13	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:52	85	
	198.94	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:49	86	
	225.96	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:51	87	
	283.81	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:11:20	88, b	S 4
	286.32	Downstream Manhole, Survey Ends 1375-0293	00:12:00	90	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4131	4	23	27	4	2.09	2.25



Inspection report

Date: 20101006	P.O.#: Y0TV0910D	Weather: 3 Light rain	Surveyed By: A OBRIEN	section number: 1988	PSR: 82622
Total Pipe Length: 252	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/06/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: RAINBOW GLEN DR	Flow Control: N Not Controlled	Start MH: 1375-0340
City: STC	Year Renewed:	End MH: 1375-0339
Location Code: C Light Highway	Tape/Media #:	pipe length: 250.36 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 252
Drain. Area: 0339/1375-0340/1375	Lining Method:
	Category:

Remark.: **NONE**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0340		113	
	0.00	Water Level, 5 % of cross sectional area	00:00:24		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:29		M 2
	122.72	Broken, from 10 to 12 o'clock, within 8 inch: NO	00:04:27	114, b	S 4
	212.40	Alignment Left, 5 °	00:08:10	116	M 1
	250.36	Downstream Manhole, Survey Ends 1375-0339	00:09:34	117	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2211	4	5	9	4	1.67	2.25



Inspection report

Date: 20101007	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2034	PSR: 82605
Total Pipe Length: 104	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/07/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: EASEMENT	Flow Control: N Not Controlled	Start MH: 1375-0429
City: STC	Year Renewed:	End MH: 1375-0321
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 107.96 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 104
Drain. Area: 0321/1375-0429/1375	Lining Method:
	Category:

Remark:: **TV UPSTREAM**

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0429		19	
	0.00	Water Level, 5 % of cross sectional area	00:00:50		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:03:31		M 2
	35.45	S1 Alignment Down, , start	00:01:26	78	M 1
	59.65	F1 Alignment Down, , end	00:02:15	79	M 1
	60.76	Infiltration Runner, from 07 to 08 o'clock, within 8 inch: YES	00:02:30	80, b	M 4
	74.11	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES	00:03:30	82, b	M 4
	77.23	Roots Medium Joint, from 08 to 03 o'clock, 5 %, within 8 inch: YES	00:04:05	84, b	
	77.93	Fracture Multiple, from 05 to 08 o'clock, within 8 inch: YES	00:04:45	86, b	S 4
	80.84	Roots Medium Joint, from 12 to 05 o'clock, 25 %, within 8 inch: YES	00:05:18	88, b	
	84.56	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES	00:05:51	90, b	M 4
	87.37	Infiltration Runner, from 05 to 08 o'clock, within 8 inch: YES	00:06:21	92, b	M 4
	107.96	Downstream Manhole, Survey Ends 1375-0321	00:07:45	94	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4422	4	25	29	4	2.27	2.42



Inspection report

Date: 20101014	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 2293	PSR: 765107
Total Pipe Length: 211	Survey Customer: LACDPW	System Owner: STC	Clean Date: 10/13/2010	Pre-Cleaned: J Jetting	Map Grid #: 1375

Street: RUGOSA CT	Flow Control: N Not Controlled	Start MH: 1375-0658
City: STC	Year Renewed:	End MH: 1375-0664
Location Code: C Light Highway	Tape/Media #:	pipe length: 208.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 211
Drain. Area: 0658/1375-0664/1375	Lining Method:
	Category:

Remark::

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1375-0658		41	
	0.00	Water Level, 5 % of cross sectional area	00:00:09		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:11		M 2
	59.60	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:51	42	
	115.80	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:34	43	
	175.80 S1	Alignment Left, , start	00:05:14	44	M 1
	194.40	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:05:54	45, b	S 4
	200.00 F1	Alignment Left, , end	00:06:30	47	M 1
	208.50	Downstream Manhole, Survey Ends 1375-0664	00:06:58	48	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2215	4	9	13	4	1.29	1.63



Inspection report

Date: 20100902	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1072	PSR: 82354
Total Pipe Length: 242	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/02/2010	Pre-Cleaned: J Jetting	Map Grid #: 1376

Street: GREEN MOUNTAIN DR	Flow Control: N Not Controlled	Start MH: 1376-0017
City: STC	Year Renewed:	End MH: 1376-0018
Location Code: C Light Highway	Tape/Media #:	pipe length: 352.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 242
Drain. Area: 0017/1376-0018/1376	Lining Method:
	Category:

Remark:: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1376-0017	00:00:12	88	
	0.00	Water Level, 5 % of cross sectional area	00:00:27		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:30		M 2
	9.74	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:04	89	
	32.64	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:54	90	
	65.38	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:58	91	
	103.34	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:08	92	
	114.89	Fracture Multiple, from 02 to 04 o'clock, within 8 inch: YES	00:04:41	93, b	S 4
	136.38	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:32	95	
	159.08	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:18	96	
	197.14	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:26	97	
	229.98	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:08:33	98	
	288.22	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:23	99	
	300.78	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:01	100	
	349.28	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:25	101	
	352.90	Downstream Manhole, Survey Ends 1376-0018	00:12:59	102	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20101123	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 3205	PSR: 82190
Total Pipe Length: 278	Survey Customer: LACDPW	System Owner: STC	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: VICCI ST	Flow Control: N Not Controlled	Start MH: 1416-0066
City: STC	Year Renewed:	End MH: 1416-0067
Location Code: C Light Highway	Tape/Media #:	pipe length: 228.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 278
Drain. Area: 0066/1416-0067/1416	Lining Method:
	Category:

Remark: **TV UPSTREAM**

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1416-0066		96	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	5.20 S1	Deposits Attached Encrustation, 5 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:00:39	97, b	M 2
	19.40 F1	Deposits Attached Encrustation, 5 % of cross sectional area, , within 8 inch: YES, end	00:01:04	99	M 2
	61.20	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:58	100	
	63.00	Deposits Attached Encrustation, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:02:07	101, b	M 2
	64.00	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:24	103	
	120.80	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:43	104	
	152.20	Deposits Attached Encrustation, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:04:31	105, b	M 2
	168.20	Broken, from 11 to 01 o'clock, within 8 inch: YES	00:05:03	107, b	S 4
	180.50	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:30	109	
	193.30	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:56	110	
	210.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:23	111	
	226.00	Deposits Attached Encrustation, 15 % of cross sectional area, from 08 to 04 o'clock, within 8 inch: YES, start	00:06:51	112	M 3
	228.10	Survey Abandoned, Remark: CAMERA BLOCKED BY ENCRUSTATION	00:06:47	113	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3127	4	17	21	4	2.13	2.33



Inspection report

Date: 20100902	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1157	PSR: 82199
Total Pipe Length: 195	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/02/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: BERNINA AVE	Flow Control: N Not Controlled	Start MH: 1416-0074
City: STC	Year Renewed:	End MH: 1416-0075
Location Code: C Light Highway	Tap/Media #:	pipe length: 198.18 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 195
Drain. Area: 0074/1416-0075/1416	Lining Method:
	Category:

Remark: **TVed upstream**

1:500	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1416-0074		35	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	65.86	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:48	37	
	68.37	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:57	38	
	136.84	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:06	39	
	144.17	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:22	40	
	182.32	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:24	41	
	189.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:40	42	
	195.37	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:08:01	43, b	S 4
	198.18	Upstream Manhole, Survey Ends 1416-0075	00:08:32	45	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



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Inspection report

Date: 20100903	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: B FUGATE	section number: 1169	PSR: 674434
Total Pipe Length: 286	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/03/2010	Pre-Cleaned: J Jetting	Map Grid #: 1416

Street: NATHAN HILL RD	Flow Control: N Not Controlled	Start MH: 1416-0407
City: STC	Year Renewed:	End MH: 1416-0406
Location Code: C Light Highway	Tape/Media #:	pipe length: 290.64 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: ABSCP Pipe Length: 286
Drain. Area: 0406/1416-0407/1416	Lining Method:
	Category:

Remark:: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1416-0407		48	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	153.10	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:05:05	49, b	S 4
	290.64	Downstream Manhole, Survey Ends 1416-0406	00:09:22	51	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



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Inspection report

Date: 20100916	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1498	PSR: 81838
Total Pipe Length: 130	Survey Customer: LACDPW	System Owner: STC	Clean Date: 09/16/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: CEDAR VALLEY WY	Flow Control: N Not Controlled	Start MH: 1417-0079
City: STC	Year Renewed:	End MH: 1417-0078
Location Code: C Light Highway	Tape/Media #:	pipe length: 137.58 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 130
Drain. Area: 0078/1417-0079/1417	Lining Method:
	Category:

Remark:: **TV UPSTREAM**

1:350	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1417-0079	00:00:06	33	
	135.07	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:34	34, b	S 4
	137.58	Upstream Manhole, Survey Ends 1417-0078	00:06:11	36	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	0000	4	0	4	4	0	4



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Inspection report

Date: 20100824	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 511	PSR: 81655
Total Pipe Length: 346	Survey Customer: LACDPW	System Owner: ZLAN	Clean Date: 08/24/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: LOST CYN RD	Flow Control: N Not Controlled	Start MH: 1417-0269
City: ZLAN	Year Renewed:	End MH: 1417-0268
Location Code: B Main Highway - Suburban/Rural	Tap/Media #:	pipe length: 347.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 346
Drain. Area: 0268/1417-0269/1417	Lining Method:
	Category:

Remark:: **NONE**

1:850	position	observation	MPEG	photo	grade
	1417-0269				
	5.12	Upstream Manhole, Survey Begins 1417-0269	00:00:05	32	
	5.12	Water Level, 5 % of cross sectional area	00:00:12		M 2
	5.12	Water Mark, 15 % of cross sectional area	00:00:15		M 2
	6.83	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:00:52	33, b	S 4
	347.38	Downstream Manhole, Survey Ends 1417-0268	00:10:49	35	
	1417-0268				

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



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Inspection report

Date: 20100826	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 610	PSR: 674184
Total Pipe Length: 67	Survey Customer: LACDPW	System Owner: ZLAN	Clean Date: 08/25/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: CANYON PARK BV	Flow Control: N Not Controlled	Start MH: 1417-0347
City: ZLAN	Year Renewed:	End MH: 1417-0252
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 69.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 67
Drain. Area: 0252/1417-0347/1417	Lining Method:
	Category:

Remark:: **NONE**

1:175	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0347	00:00:06	6	
	0.00	Water Level, 5 % of cross sectional area	00:00:48		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:23		M 2
	54.53	Fracture Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:03:22	7, b	S 4
	69.60	Downstream Manhole, Survey Ends 1417-0252	00:04:46	9	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2200	4	4	8	4	2	2.67



Inspection report

Date: 20100910	P.O.#: Y0TV0910D	Weather: 1 Dry	Surveyed By: A OBRIEN	section number: 1296	PSR: 81645
Total Pipe Length: 255	Survey Customer: LACDPW	System Owner: ZLAN	Clean Date: 09/09/2010	Pre-Cleaned: J Jetting	Map Grid #: 1417

Street: CANYON PARK BV	Flow Control: N Not Controlled	Start MH: 1417-0261
City: ZLAN	Year Renewed:	End MH: 1417-0262
Location Code: C Light Highway	Tape/Media #:	pipe length: 253.28 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 18/18
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 255
Drain. Area: 0261/1417-0262/1417	Lining Method:
	Category:

Remark:: **INFILTRATION**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1417-0261	00:00:05	58	
	4.52	Water Level, 15 % of cross sectional area	00:00:49		M 2
	4.52	Water Mark, 20 % of cross sectional area	00:00:50		M 2
	23.10 S1	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES, start	00:02:12	59, b	M 4
	218.93	Fracture Multiple, from 07 to 08 o'clock, within 8 inch: YES	00:08:26	61, b	S 4
	251.37 F1	Infiltration Runner, from 04 to 08 o'clock, within 8 inch: YES, end	00:09:52	63	M 4
	253.28	Downstream Manhole, Survey Ends 1417-0262	00:10:18	64	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4H22	4	188	192	4	3.92	3.92