



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

May 28, 2014

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Mr. John Knipe, City Engineer
City of Westlake Village
31200 Oak Crest Drive
Westlake Village, CA 91361

Attention Mr. Mike Wright

Dear Mr. Knipe:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV0910A**

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 152,278 feet or 89.4 percent of the City of Westlake Village'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 and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Mr. John Knipe
May 28, 2014
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



MASSOOD EFTEKHARI
Deputy Director



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Enc.

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

PROJECT NAME:	Y0TV0910A	PROJECT MGR:	Eric Liu
PROJECT DATE:	07/21/2010	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(S):	3	MAP PAGE(S):	1024, 1042, 1043, 1066
Report By:	Eric Liu	Report Date:	07/03/2013

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 152,278 feet or 89.4 percent of the City of Westlake Village's (City) sewer system as part of this condition assessment report.

To date, the District has completed the CCTV inspection of 170,357 feet or 100 percent of the City's sewer system. In addition to this report, one previous condition assessment report dated December 9, 2008, was provided to your City for your information. 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. Y0TV0910A included sewer lines located in the unincorporated County of Los Angeles and the Cities of Agoura Hills, Rancho Palos Verdes, Rolling Hills Estates, and Westlake Village. Enclosed for your reference is an overview map of the project area in 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 64.8 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 35.2 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 cleaning 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	56,319	37.0	265
2: Minor to Moderate	42,250	27.8	188
3: Moderate	16,059	10.5	69
4: Significant	22,426	14.7	89
5: Most Significant	15,224	10.0	72
TOTAL	152,278	100.0	683

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. For this project, 38 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 96.8 percent of the system televised has adequate capacity. However, the remaining 3.2 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 the pipe segments with such high water level concerns was conducted to determine capacity issues, if any.

Most of the sewer segments associated with high water levels appear to be the result of sags in the line, which do not impact its capacity. The pipe segments with sags have been cleaned to remove any debris in the line. However, there are several segments at Oakshore Drive and Fairbreeze Circle upstream of the trunk line at Lindero Canyon with high levels of flow, which may indicate overcapacity issues. Infiltration detected during our inspection of these lines may be the source of these high flows. The proposed lining of these sewers should impede the presence of infiltration reverting these lines to normal flows.

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 7.5 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 the ongoing Accumulative Capital Outlay Project.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 97.2 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 2.8 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 19 in the Quick Structural Rating Report Priority List (Enclosure 3), which require a corrective action, the proposed repair or replacement will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 19 segments are included in Enclosure 4. A map showing the sewer lines that need lining is also provided in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	136,196	89.4	617
2: Minor to Moderate	9,098	6.0	36
3: Moderate	2,660	1.8	11
4: Significant	1,838	1.2	8
5: Most Significant	2,486	1.6	11
TOTAL	152,278	100.0	683

ENCLOSURE 1:

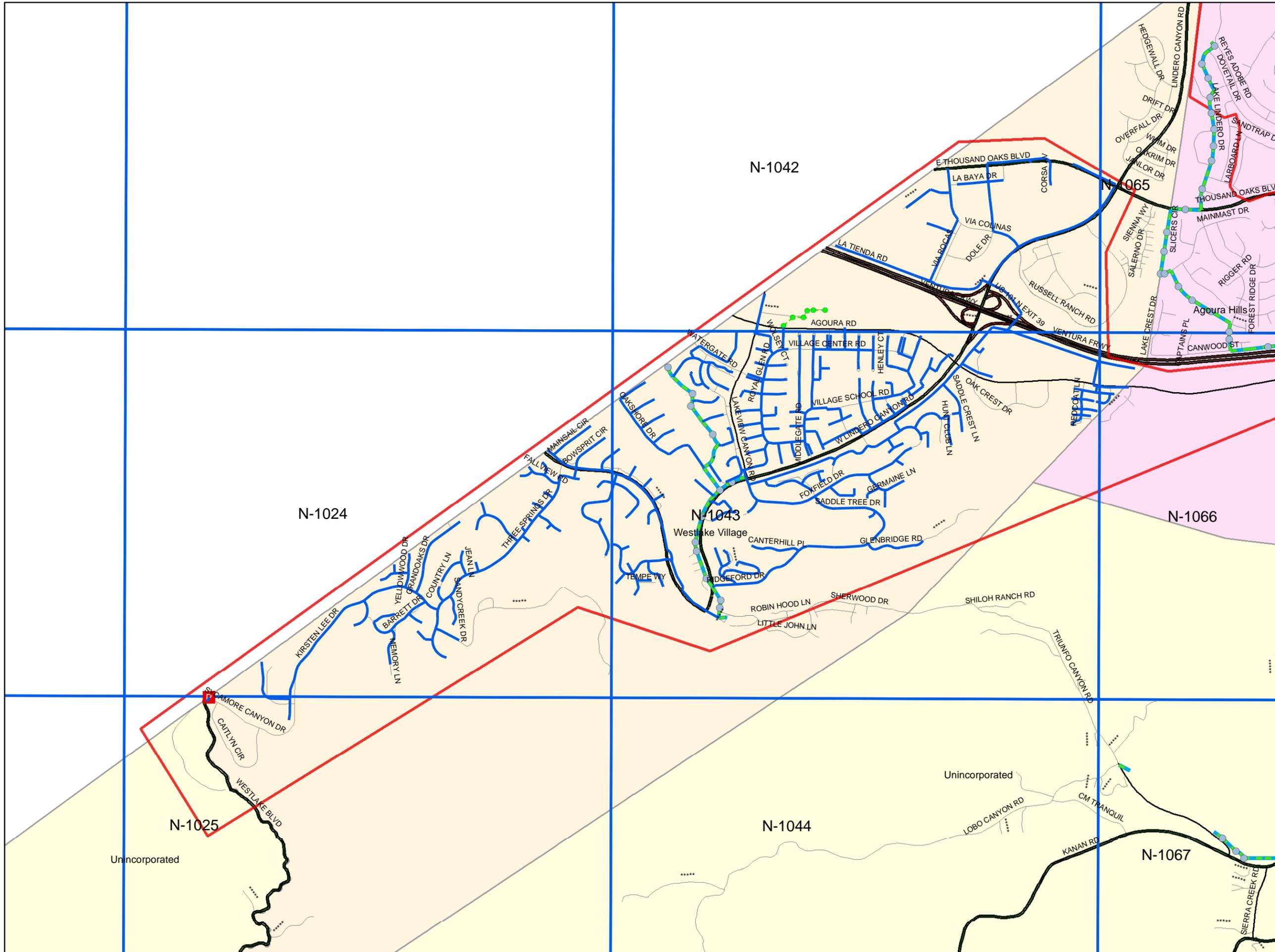
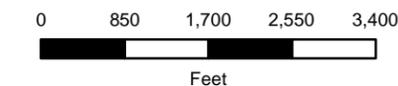
Project Overview Map

OVERVIEW

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE



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.

AUGUST 2013

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 WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5241	1043-0136	1043-0135	LAKE HARBOR LN	Grease; infiltration runner; infiltraion dripper	Hydrojet (10/12/12)
2	5241	1043-0227	1043-0228	RUSTIC OAK DR	Infiltration dripper; deposit in MH 228	Hydrojet (08/01/11)
3	523A	1043-0407	1043-0408	SEVENOAKS CT	Heavy deposit	Hydrojet (09/26/11)
4	522S	1043-0300	1043-0297	KNIGHTSGATE RD	Heavy deposit	Hydrojet (08/05/11)
5	522Q	1043-0364	1043-0363	WATERGATE CT	Heavy deposit	Hydrojet (08/12/11)
6	522Q	1043-0373	1043-0372	WOLSEY CT	Grease in lateral	Lateral notice will be sent to property owner.
7	5227	1043-0382	1043-0360	KINGSPARK CT	Heavy deposit	Hydrojet (09/23/11)
8	5200	1043-0401	1043-0400	REGENTS CT	Heavy deposit; debris	Hydrojet (09/26/11)
9	514N	1043-0412	1043-0408	VILLAGE CENTER RD	Heavy deposit; infiltration runner	Hydrojet (10/25/11) Lining: MH to MH
10	514B	1043-0428	1043-0404	MIDDLEGATE RD	Heavy deposit	Hydrojet (07/20/12)
11	5144	1043-0096	1043-0097	EASEMENT	Sag; infiltration runner	Hydrojet (07/18/11) CSMD will repair MH.
12	5144	1043-0087	1043-0090	OAKSHORE DR	Infiltration runner	Lining: MH to MH
13	5142	1042-0023	1042-0024	LINDERO CANYON RD	Roots; root ball lateral; infiltration runner	Rodder (07/22/11) Lateral notice will be sent to property owner. CSMD will repair MH.
14	5142	1043-0262	1043-0263	EASEMENT	Camera under water	Hydrojet (05/22/13)
15	5142	1043-0304	1043-0303	VILLAGE SCHOOL RD	Heavy deposit	Hydrojet (08/05/11)
16	5142	1043-0382	1043-0383	ROYAL GLEN RD	Heavy deposit; grease in lateral	Hydrojet (09/23/11) Lateral notice will be sent to property owner.
17	5141	1043-0095	1043-0096	EASEMENT	Sag	Hydrojet (07/18/11)
18	5141	1043-0104	1043-0105	EASEMENT	Grease; infiltration gusher; grease in lateral	Hydrojet (08/01/11) Lateral notice will be sent to property owner. Lining: MH to MH
19	5141	1043-0130	1043-0135	LAKE HARBOR LN	Grease; infiltration runner; deposit in MH 135	Hydrojet (07/29/11)
20	5141	1043-0201	1043-0202	EASEMENT	Heavy deposits; grease	Hydrojet (07/29/11)
21	5141	1043-0203	1043-0202	EASEMENT	Heavy deposits	Hydrojet (07/29/11)
22	5141	1043-0222	1043-0227	HUNT CLUB LN	Infiltration runner; deposit in MH 222	Hydrojet (07/29/11) CSMD will repair MH.
23	5141	1043-0283	1043-0284	EASEMENT	Deposit; infiltration runner	Hydrojet (07/20/12)
24	5141	1043-0284	1043-0285	EASEMENT	Debris; infiltration runner	Hydrojet (05/04/13)
25	5141	1043-0309	1043-0317	VILLAGE SCHOOL RD	Heavy deposit; deposit in MH 317	Hydrojet (08/05/11)
26	5141	1043-0353	1043-0383	GRENVILLE CT	Heavy deposit	Hydrojet (08/12/11)
27	5141	1043-0357	1043-0358	KINGSPARK CT	Grease in lateral; grease	Hydrojet (08/12/11)
28	5141	1043-0358	1043-0382	KINGSPARK CT	Heavy deposit; infiltration runner	Hydrojet (08/12/11)
29	5141	1043-0395	1043-0396	BEDFORDHURST CT	Heavy deposit; infiltration runner; grease in lateral	Hydrojet (10/03/11) Lateral notice will be sent to property owner. Lining: MH to MH
30	5141	1043-0142	1043-0461	EASEMENT	Infiltration runner	CSMD will repair MH.
31	5141	1043-0379	1043-0367	FOXMOOR CT	Infiltration runner	CSMD will repair MH.
32	513E	1043-0433	1043-0432	DUNRAVEN CT	Heavy deposit	Hydrojet (07/16/12)
33	513C	1043-0322	1043-0323	HARTFIELD CT	Heavy deposit	Hydrojet (08/08/11)
34	513C	1043-0406	1043-0408	SEVENOAKS CT	Grease	Hydrojet (09/26/11)
35	513B	1043-0348	1043-0387	WALLINGTON CT	Heavy deposit	Hydrojet (08/12/11)
36	513B	1043-0431	1043-0430	VILLAGE SCHOOL RD	Heavy deposit; grease	Hydrojet (07/20/12)
37	513A	1043-0311	1043-0317	ABBINGTON CT	Heavy deposit	Hydrojet (08/12/11)
38	5138	1043-0287	1043-0288	EASEMENT	Grease; infiltration runner	Hydrojet (10/17/11) Lining: MH to MH
39	5134	1043-0287	1043-0285	EASEMENT	Heavy deposit	Hydrojet (10/17/11)
40	5133	1043-0318	1043-0317	ABBINGTON CT	Heavy deposit in MH 317; infiltration dripper	Hydrojet (08/05/11)
41	5131	1043-0153	1043-0340	LAKEVIEW CANYON DR	Deposit in MH 340; infiltration dripper	Hydrojet (07/25/11)
42	5131	1043-0206	1043-0207	SADDELCREST LN	Deposit attached; infiltration dripper	Hydrojet (07/29/11)
43	5131	1043-0340	1043-0281	LAKEVIEW CANYON DR	Heavy deposit; infiltration dripper	Hydrojet (09/23/11)
44	5131	1043-0341	1043-0340	DOVERWOOD CT	Grease in lateral; deposit in MH 340	Hydrojet (08/15/11) Lateral notice will be sent to property owner.
45	5131	1043-0360	1043-0359	KINGSPARK CT	Heavy deposit; debris	Hydrojet (08/12/11)
46	5131	1043-0366	1043-0365	WATERGATE CT	Heavy deposit	Hydrojet (08/15/11)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
47	5131	1043-0374	1043-0370	ALLENBY CT	Debris in MH 370	Hydrojet (08/15/11)
48	5131	1043-0383	1043-0384	ROYAL GLEN RD	Heavy deposit in MH 384	Hydrojet (09/23/11)
49	5131	1043-0412	1043-0411	YORKFIELD CT	Heavy deposit	Hydrojet (10/25/11)
50	5131	1043-0421	1043-0426	BEACONSFIELD CT	Grease; infiltration runner	Hydrojet (08/06/12) Lining: MH to MH
51	5131	1042-0025	1042-0024	LINDERO CANYON RD	Infiltration dripper	No action needed.
52	512R	1043-0362	1043-0361	WATERGATE CT	Heavy deposit	Hydrojet (05/22/13)
53	512N	1043-0294	1043-0302	GUILDHALL CT	Grease	Hydrojet (08/05/11)
54	512N	1043-0316	1043-0315	ORCHARD VIEW CT	Grease; deposit in MH 315	Hydrojet (08/12/11)
55	512N	1043-0416	1043-0415	GREENGATE CT	Heavy deposit	Hydrojet (10/24/11)
56	512M	1042-0076	1042-0075	CORSA AV	Deposit in MH 75	Hydrojet (07/15/11)
57	512K	1043-0101	1043-0100	WATERSIDE LN	Deposit attached	Hydrojet (07/18/11)
58	512J	1043-0350	1043-0351	ROYCETON CT	Heavy deposit in MH 351	Hydrojet (08/12/11)
59	512G	1042-0074	1042-0075	CORSA AV	Deposit in MH 75	Hydrojet (07/15/11)
60	512F	1043-0138	1043-0137	SAILVIEW LN	Deposit in MH 137	Hydrojet (08/01/11)
61	512C	1043-0134	1043-0135	LAKEMEADOW LN	Grease	Hydrojet (09/23/11)
62	512C	1043-0369	1043-0379	FOXMOOR CT	Heavy deposit	Hydrojet (08/15/11)
63	5127	1042-0065	1043-0372	LAKEVIEW CANYON RD	Grease in lateral	Lateral notice will be sent to property owner.
64	5126	1043-0292	1043-0291	HENLEY CT	Debris in MH 291	Hydrojet (08/05/11)
65	5125	1043-0321	1043-0320	HARTFIELD CT	Debris in MH 320	Hydrojet (08/08/11)
66	5125	1043-0391	1043-0390	VILLAGE BROOK RD	Grease in lateral	Lateral notice will be sent to property owner.
67	5121	1043-0366	1043-0380	WATERGATE CT	Heavy deposit	Hydrojet (08/15/11)
68	5100	1043-0121	1043-0120	BEACHMEADOW LN	Deposit attached	Hydrojet (07/25/11)
69	5100	1043-0207	1043-0209	SADDLECREST LN	Deposits	Hydrojet (07/29/11)
70	5100	1043-0242	1043-0241	EASEMENT	Roots; debris; deposits	Rodder (09/30/11)
71	5100	1043-0323	1043-0324	HARTFIELD CT	Heavy deposit	Hydrojet (08/08/11)
72	5100	1043-0398	1043-0399	REGENTS CT	Debris	Hydrojet (09/26/11)
73	4B3A	1024-0027	1024-0026	THREE SPRINGS DR	Grease; sag; infiltration dripper	Hydrojet (07/11/11)
74	4B00	1024-0005	1024-0006	TRIUNFO CANYON RD	Camera under water; grease	Hydrojet (07/11/11)
75	4A21	1024-0006	1024-0007	TRIUNFO CANYON RD	Sag	Hydrojet (07/11/11)
76	482N	1043-0429	1043-0428	VILLAGE SCHOOL RD	Deposit	Hydrojet (08/06/12)
77	473H	1043-0093	1043-0094	FAIRBREEZE CR	Grease; camera under water; infiltration runner	Hydrojet (07/18/11) Lining: MH to MH
78	433E	1043-0091	1043-0092	OAKSHORE DR	Camera under water; grease	Hydrojet (07/18/11)
79	433B	1024-0004	1024-0005	TRIUNFO CANYON RD	Deposit attached; camera under water; grease; roots; debris	Hydrojet (07/11/11)
80	4333	1043-0231	1043-0229	EASEMENT	Roots; root ball lateral	Rodder (07/27/12) Lateral notice will be sent to property owner.
81	4331	1042-0015	1042-0016	EASEMENT	Roots; root ball lateral	Rodder (07/22/11) Lateral notice will be sent to property owner.
82	4331	1042-0016	1042-0017	EASEMENT	Roots; root ball lateral	Rodder (07/22/11) Lateral notice will be sent to property owner.
83	4325	1043-0086	1043-0087	OAKSHORE DR	Infiltration runner	No action needed.
84	4231	1043-0378	1043-0379	ROYAL GLEN RD	Heavy deposit	Hydrojet (08/15/11)
85	423A	1024-0029	1024-0028	THREE SPRINGS DR	Infiltration runner; grease in lateral	Lateral notice will be sent to property owner. CSMD will repair MH.
86	4235	1043-0244	1043-0280	EASEMENT	Grease; camera under water	Hydrojet (08/01/11)
87	4232	1043-0302	1043-0301	GUILDHALL CT	Heavy deposit; grease	Hydrojet (08/05/11)
88	4231	1043-0256	1043-0257	EASEMENT	Roots	Rodder (09/30/11)
89	422K	1043-0433	1043-0431	SHROPSHIRE RD	Heavy deposit; infiltration runner	Hydrojet (07/20/12) CSMD will repair MH.
90	422I	1066-0065	1066-0064	AGOURA RD	Infiltration runner	CSMD will repair MH.
91	422F	1043-0304	1043-0305	VILLAGE SCHOOL RD	Heavy deposit; infiltration dripper	Hydrojet (08/05/11)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
92	4226	1043-0226	1043-0224	EASEMENT	Alignment change	No action needed.
93	4221	1043-0218	1043-0217	EASEMENT	Roots; root ball lateral	Hydrojet (07/25/11) Lateral notice will be sent to property owner.
94	4200	1043-0033	1043-0032	TRIUNFO CANYON RD	Grease; infiltration runner	Hydrojet (11/04/11) CSMD will repair MH.
95	413J	1043-0351	1043-0385	ROYCETON CT	Grease	Hydrojet (08/12/11)
96	413F	1043-0090	1043-0091	OAKSHORE DR	High water level	Hydrojet (07/18/11)
97	413E	1043-0123	1043-0124	Private Rd	Deposit attached; grease	Hydrojet (08/01/11)
98	413B	1043-0082	1043-0083	OAKSHORE DR	Grease in lateral; minor sag	Hydrojet (07/18/11)
99	413A	1043-0039	1043-0037	TRIUNFO CANYON RD	Minor sag; infiltration runner	Hydrojet (07/18/11) Lining: MH to MH
100	413A	1043-0302	1043-0303	EASEMENT	Heavy deposit	Hydrojet (08/16/11)
101	4135	1043-0133	1043-0132	LAKEMEADOW LN	Heavy deposits	Hydrojet (07/29/11)
102	4134	1043-0428	1043-0427	CROWNFIELD CT	Heavy deposit	Hydrojet (10/24/11)
103	4133	1024-0018	1024-0017	TWIN LAKE RIDGE	Root ball lateral; roots	Rodder (07/22/11) Lateral notice will be sent to property owner.
104	4132	1042-0036	1042-0037	VIA COLINAS	Root ball lateral; roots	Rodder (07/22/11) Lateral notice will be sent to property owner.
105	4132	1042-0037	1042-0038	VIA COLINAS	Root ball lateral; roots; grease	Rodder (07/22/11) Lateral notice will be sent to property owner.
106	4132	1043-0098	1043-0099	WATERSIDE LN	Deposits attached; alignment down	Hydrojet (07/18/11)
107	4132	1043-0299	1043-0298	KNIGHTSGATE RD	Heavy deposit; roots	Hydrojet (08/05/11)
108	4132	1043-0379	1043-0380	ROYAL GLEN RD	Deposit	Hydrojet (09/23/11)
109	4132	1043-0117	1043-0118	EASEMENT	Infiltration dripper	No action needed.
110	4131	1024-0015	1024-0014	TWIN LAKE RIDGE	Grease; roots; root ball lateral	Hydrojet (07/11/11) Lateral notice will be sent to property owner.
111	4131	1043-0089	1043-0090	FRESHWIND CR	Root ball lateral; roots	Rodder (07/22/11) Lateral notice will be sent to property owner.
112	4131	1043-0127	1043-0128	Private Rd	Deposit in MH 128	Hydrojet (08/01/11)
113	4131	1043-0223	1043-0224	EASEMENT	Roots; obstacle rock	Rodder (07/27/12)
114	4131	1043-0270	1043-0271	SADDLE TREE DR	Roots; root ball lateral	Rodder (07/27/12) Lateral notice will be sent to property owner.
115	4131	1043-0369	1043-0368	FOXMOOR CT	Heavy deposit; debris	Hydrojet (08/15/11)
116	4131	1043-0381	1043-0382	ROYAL GLEN RD	Deposit attached	Hydrojet (09/23/11)
117	4131	1043-0430	1043-0429	VILLAGE SCHOOL RD	Grease; infiltration dripper	Hydrojet (11/04/11)
118	4131	1043-0249	1043-0258	FOXFIELD DR	Infiltration runner	No action needed.
119	4131	1043-0269	1043-0270	SADDLE TREE DR	Root ball lateral	Lateral notice will be sent to property owner.
120	4131	1043-0424	1043-0425	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
121	412R	1043-0121	1043-0122	BEACHMEADOW LN	Grease	Hydrojet (07/25/11)
122	412R	1043-0289	1043-0290	EASEMENT	Heavy grease	Hydrojet (07/16/12)
123	412R	1043-0418	1043-0417	GREENGATE CT	Heavy deposit in MH 417	Hydrojet (10/24/11)
124	412K	1043-0112	1043-0111	SUMMER SHORE LN	Grease; deposit attached	Hydrojet (07/29/11)
125	412K	1043-0348	1043-0347	WALLINGTON CT	Heavy deposit	Hydrojet (08/12/11)
126	412K	1066-0064	1066-0063	AGOURA RD	Infiltration runner	CSMD will repair MH.
127	412J	1042-0064	1042-0065	LAKEVIEW CANYON RD	Grease in lateral	Lateral notice will be sent to property owner.
128	412J	1043-0080	1043-0081	WHITESAIL CR	Infiltration runner	No action needed.
129	412H	1043-0109	1043-0108	SUMMER SHORE LN	Grease; deposit attached	Hydrojet (07/29/11)
130	412H	1043-0433	1043-0434	DUNRAVEN CT	Heavy deposit in MH 434; grease	Hydrojet (07/16/12)
131	412F	1024-0001	1024-0002	MAINSAIL CR	Infiltration runner	Lining: MH to MH
132	412F	1043-0280	1043-0281	FOXFIELD DR	Infiltration runner	Lining: MH to MH
133	412C	1043-0078	1043-0079	OAKSHORE DR	Grease in lateral	Lateral notice will be sent to property owner.
134	412B	1042-0019	1042-0024	LINDERO CANYON RD	Grease	Hydrojet (07/15/11)
135	412B	1043-0345	1043-0346	RICHGROVE CT	Heavy deposit in MH 346	Hydrojet (08/15/11)
136	412A	1042-0057	1042-0058	EASEMENT	Grease; roots	Hydrojet (07/15/11)
137	412A	1043-0131	1043-0132	LAKEMEADOW LN	Deposit attached	Hydrojet (07/29/11)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
138	412A	1043-0308	1043-0309	VILLAGE SCHOOL RD	Deposits	Hydrojet (08/05/11)
139	4124	1043-0346	1043-0343	DOVERWOOD CT	Deposit in MH 343	Hydrojet (08/15/11)
140	4124	1043-0146	1043-0147	BEACHLAKE LN	Alignment down	No action needed.
141	4123	1043-0295	1043-NORTH	AGOURA RD	Root	Rodder (10/28/11)
142	4122	1024-0026	1024-0025	THREE SPRINGS DR	Infiltration runner	CSMD will repair MH.
143	4122	1042-0010	1042-0012	EASEMENT	Alignment down	No action needed.
144	4122	1042-0017	1042-0018	VIA COLINAS	Root ball lateral	Lateral notice will be sent to property owner.
145	4121	1042-0077	1042-0045	LA TIENDA DR	Camera under water; sag	Hydrojet (07/15/11)
146	4121	1042-0413	1043-NORTH	AGOURA RD	Deposits; roots	Rodder (07/22/11)
147	4121	1043-0440	1043-0443	REDCOAT LN	Deposit	Hydrojet (07/20/12)
148	4121	1043-0458	1042-0061	EASEMENT	Infiltration runner	CSMD will repair MH.
149	4121	1043-0449	1043-0450	EASEMENT	Alighment down	No action needed.
150	4113	1043-0076	1043-0077	LA VENTA DR	Root ball lateral	Lateral notice will be sent to property owner.
151	4112	1043-0455	1043-0456	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
152	4111	1043-0003	1043-0002	EASEMENT	Roots	Rodder (07/22/11)
153	4111	1024-0117	1024-0116	GRANDOAKS DR	Root ball lateral	Lateral notice will be sent to property owner.
154	4111	1043-0018	1043-0019	MEADOW OAK DR	Root ball lateral	Lateral notice will be sent to property owner.
155	4111	1043-0264	1043-0263	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
156	4111	1043-0276	1043-0277	FOXFIELD DR	Root ball lateral	Lateral notice will be sent to property owner.
157	4111	1043-0453	1043-0454	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
158	4100	1043-0208	1043-0209	WALKING HORSE LN	Heavy deposits	Hydrojet (07/29/11)
159	4100	1043-0242	1043-0243	EASEMENT	Sag; obstacle rocks	Hydrojet (08/01/11)
160	4100	1043-0255	1043-0256	EASEMENT	Root in MH 256	Rodder (09/30/11)
161	4100	1043-0261	1043-0262	EASEMENT	Debris; roots	Rodder (07/27/12)
162	3I24	1043-0092	1043-0093	FAIRBREEZE CR	Minor sag	Hydrojet (07/18/11)
163	3H2A	1043-0355	1043-0384	LYNDBROOK CT	Grease	Hydrojet (08/12/11)
164	3G2B	1043-0377	1043-0378	VILLAGE CENTER RD	Grease	Hydrojet (08/15/11)
165	3G21	1024-0025	1024-0045	TIMBERRIDGE CT	Sag	Hydrojet (07/11/11)
166	3G00	1043-0293	1043-0294	HENLEY CT	Heavy deposit	Hydrojet (08/05/11)
167	3D2M	1043-0399	1043-0400	REGENTS CT	Grease	Hydrojet (09/26/11)
168	3D2H	1043-0426	1043-0427	CROWNFIELD CT	Deposits	Hydrojet (10/24/11)
169	3D29	1024-0032	1024-0031	THREE SPRINGS DR	Sag; grease	Hydrojet (07/11/11)
170	3D22	1043-0404	1043-0396	MIDDLEGATE RD	Heavy deposit	Hydrojet (10/03/11)
171	3C00	1043-0375	1042-0066	EASEMENT	Grease in lateral	Lateral notice will be sent to property owner.
172	3B11	1043-0257	1043-0258	GERMAINE LN	Roots; sag	Rodder (09/30/11)
173	3B00	1043-0394	1043-0396	MIDDLEGATE RD	Deposit	Hydrojet (10/03/11)
174	3A2C	1043-0403	1043-0404	LANGSPUR CT	Grease	Hydrojet (10/03/11)
175	3A22	1043-0094	1043-0095	EASEMENT	Grease; sag	Hydrojet (07/18/11)
176	3A00	1024-0132	1024-0131	KIRSTEN LEE DR	Minor sag	Hydrojet (07/15/11)
177	3800	1024-0087	1024-0085	BARRETT DR	Sag	Hydrojet (07/15/11)
178	362N	1043-0349	1043-0386	BENCHLEY CT	Grease	Hydrojet (08/12/11)
179	362K	1043-0397	1043-0403	LANGSPUR CT	Heavy deposit	Hydrojet (10/03/11)
180	342J	1043-0286	1043-0287	EASEMENT	Deposit; debris	Hydrojet (10/17/11)
181	342G	1024-0036	1024-0035	THREE SPRINGS DR	Grease	Hydrojet (07/11/11)
182	342A	1024-0035	1024-0034	THREE SPRINGS DR	Grease; sag	Hydrojet (07/11/11)
183	3423	1024-0085	1024-0044	KIRSTEN LEE DR	Sag	Hydrojet (07/15/11)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
184	332C	1042-0009	1042-0010	EASEMENT	Deposit attached; root ball lateral; roots; grease	Hydrojet (07/15/11) Lateral notice will be sent to property owner.
185	3300	1043-0279	1043-0460	FOXFIELD DR	Sag	Hydrojet (08/01/11)
186	322B	1043-0115	1043-0116	EASEMENT	Grease; infiltration dripper; roots; root ball lateral	Hydrojet (07/25/11) Lateral notice will be sent to property owner.
187	322B	1043-0088	1043-0089	FRESHWIND CR	Root medium lateral	No action needed.
188	3229	1043-0037	1043-0033	TRIUNFO CANYON RD	Infiltration dripper	No action needed.
189	3229	1043-0335	1043-0391	MIDDLEGATE RD	Infiltration dripper	No action needed.
190	3226	1025-0006	1025-0005	SYCAMORE CANYON DR	Infiltration dripper	Lining: MH to MH
191	3213	1043-0012	1043-0013	JONQUIL FIELD RD	Roots	Rodder (07/22/11)
192	3213	1043-0235	1043-0236	BLUE MEADOW LN	Roots	Rodder (09/30/11)
193	3200	1024-0054	1024-0053	SANDPIPER CT	Deposit	Hydrojet (07/15/11)
194	3200	1043-0233	1043-0234	RUSTIC OAK DR	Roots; root ball lateral	Rodder (09/30/11) Lateral notice will be sent to property owner.
195	3200	1042-0008	1042-0009	THOUSAND OAKS BV	Infiltration dripper	No action needed.
196	312R	1043-0115	1043-0114	Private Rd	Grease; pipe obstacle; infiltration dripper	Hydrojet (07/25/11)
197	312O	1043-0321	1043-0322	HARTFIELD CT	Debris	Hydrojet (08/08/11)
198	312L	1043-0393	1043-0394	TYNEBOURNE CT	Root in lateral	Lateral notice will be sent to property owner.
199	312I	1042-0020	1042-0021	LINDERO CANYON RD	Grease in MH 21	Hydrojet (07/15/11)
200	312I	1043-0355	1043-0354	LYNDBROOK CT	Debris	Hydrojet (08/12/11)
201	312G	1043-0125	1043-0124	Private Rd	Deposit in MH 124	Hydrojet (08/01/11)
202	312G	1043-0133	1043-0134	LAKEMEADOW LN	Grease	Hydrojet (07/29/11)
203	312F	1043-0204	1043-0205	AGOURA RD	Deposit attached near MH 205	Hydrojet (08/05/11)
204	312F	1043-0296	1043-0301	GUILDHALL CT	Grease	Hydrojet (08/05/11)
205	312E	1043-0210	1043-0211	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
206	312D	1043-0107	1043-0106	SUMMER SHORE LN	Grease; deposit attached	Hydrojet (07/29/11)
207	312C	1043-0289	1043-0288	EASEMENT	Heavy grease	Hydrojet (07/16/12)
208	312C	1043-0313	1043-0312	BARONGATE RD	Debris in MH 312	Hydrojet (08/12/11)
209	312C	1043-0228	1043-0232	RUSTIC OAK DR	Deposit in MH 228	Hydrojet (08/01/11)
210	312C	1043-0228	1043-0215	EASEMENT	Deposit in MH 228	Hydrojet (08/01/11)
211	312B	1024-0014	1043-0048	TWIN LAKE RIDGE	Roots; grease	Rodder (07/22/11)
212	312B	1042-0029	1042-0056	LINDERO CANYON RD	Light grease	Hydrojet (07/31/12)
213	312B	1043-0451	1043-0452	EASEMENT	Light grease	Hydrojet (11/04/11)
214	312A	1043-0199	1043-0200	EASEMENT	Light grease	Hydrojet (11/04/11)
215	312A	1043-0462	1043-0211	EASEMENT	Light grease	Hydrojet (11/04/11)
216	312A	1024-0013	1043-0048	LAKE PLEASANT DR	Infiltration dripper	No action needed.
217	312A	1043-0154	1043-0155	RIDGEFORD DR	Root medium lateral	No action needed.
218	3128	1043-0209	1043-0210	SADDLECREST LN	Deposit in MH 209	Hydrojet (07/29/11)
219	3127	1024-0031	1024-0030	THREE SPRINGS DR	Infiltration runner	No action needed.
220	3124	1043-0041	1043-0039	TRIUNFO CANYON RD	Infiltration dripper	No action needed.
221	3123	1042-0073	1042-0037	VIA COLINAS	Grease	Hydrojet (09/23/11)
222	3122	1043-0043	1043-0041	TRIUNFO CANYON RD	Infiltration dripper	No action needed.
223	3114	1043-0252	1043-0253	EASEMENT	Root	Rodder (10/28/11)
224	3113	1043-0015	1043-0016	SADDLE MOUNTAIN DR	Root ball lateral	Lateral notice will be sent to property owner.
225	3113	1043-0034	1043-0035	GOLDEN LEAF DR	Root medium lateral	No action needed.
226	3111	1043-0225A	1043-0225	FOXFIELD DR	Debris in MH 225	Hydrojet (05/22/13)
227	3100	1024-0017	1024-0016	TWIN LAKE RIDGE	Roots	Rodder (07/22/11)
228	3100	1024-0022	1024-0023	TWIN LAKE RIDGE	Grease; debris	Hydrojet (07/11/11)
229	3100	1043-0032	1043-0031	TRIUNFO CANYON RD	Infiltration runner; sag	Hydrojet (11/04/11) CSMD will repair MH.

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
230	3100	1042-0027	1042-0028	LINDERO CANYON RD	Root medium lateral	No action needed.

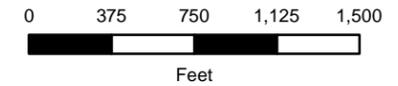
ENCLOSURE 2

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

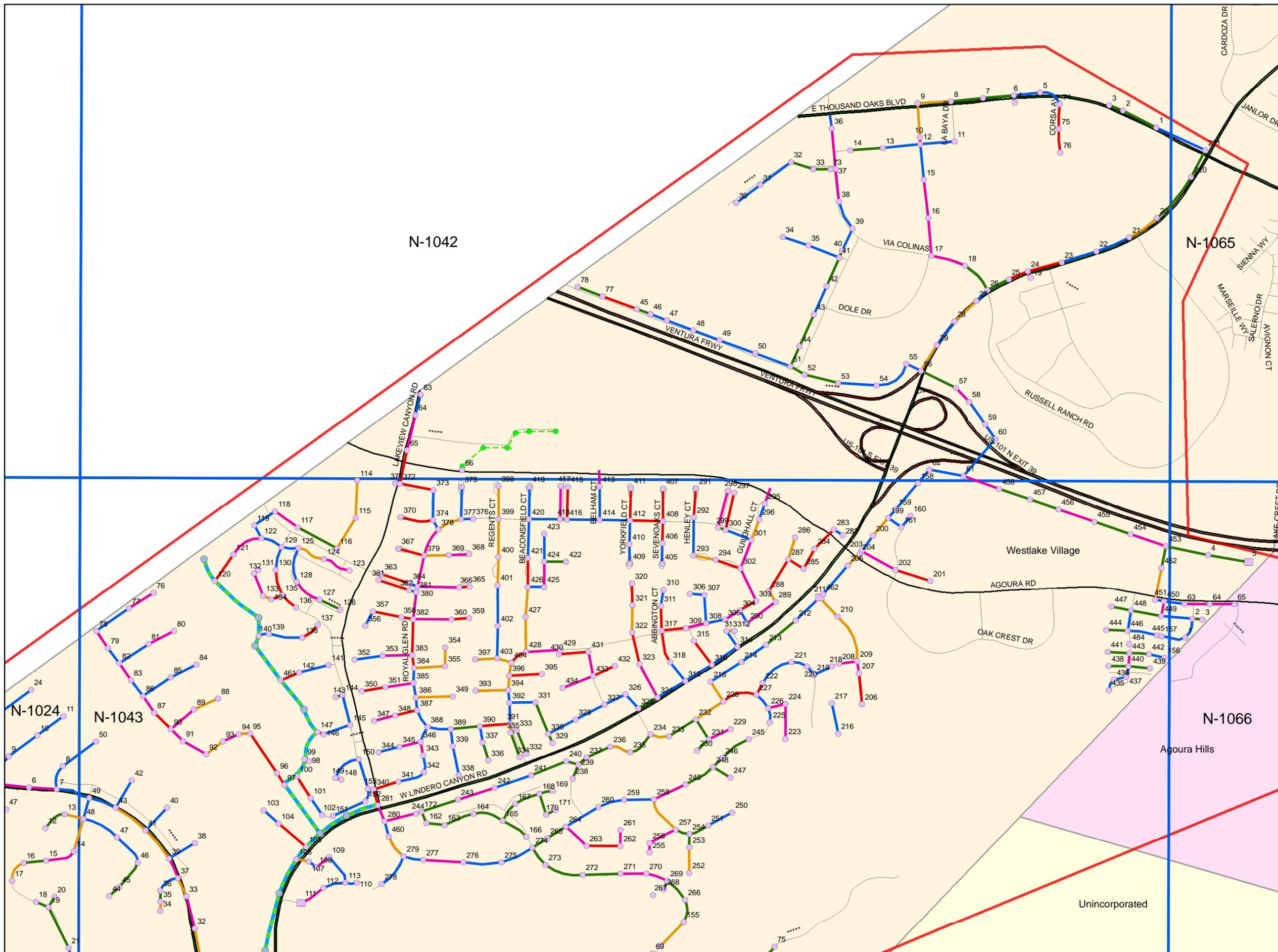
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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AUGUST 2013



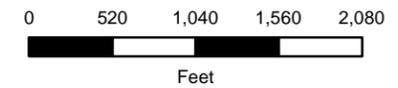
ENCLOSURE 2

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

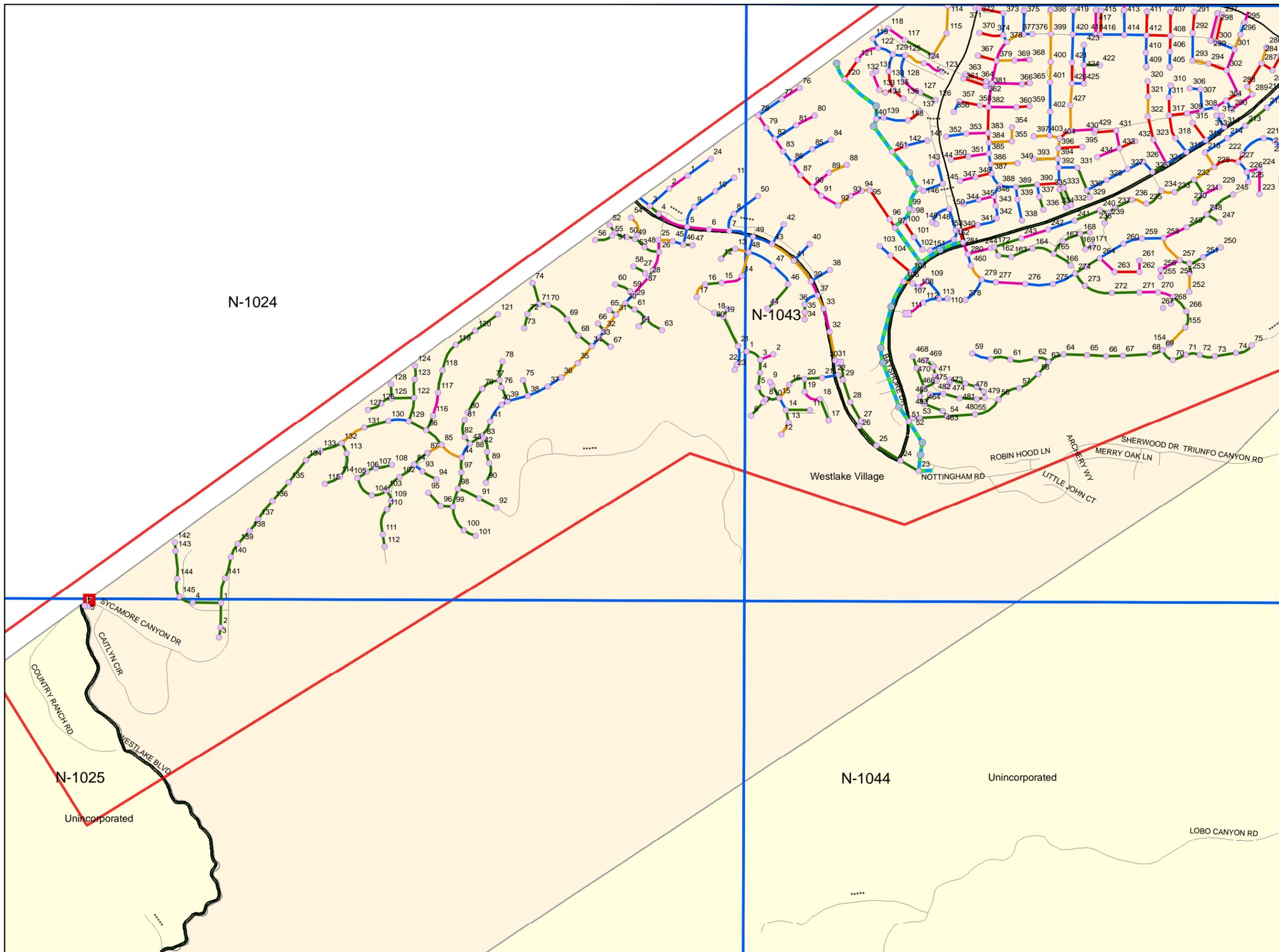
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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AUGUST 2013



N-1024

N-1043

N-1025

N-1044

Westlake Village

ROBIN HOOD LN

NOTTINGHAM RD

LITTLE JOHN CT

MERRY OAK LN

SHERWOOD DR

TRIUNFO CANYON RD

LOBO CANYON RD

SYCAMORE CANYON DR

CAITLYN CIR

COUNTRY RANCH RD

WESTLAKE BLVD

Unincorporated

Unincorporated

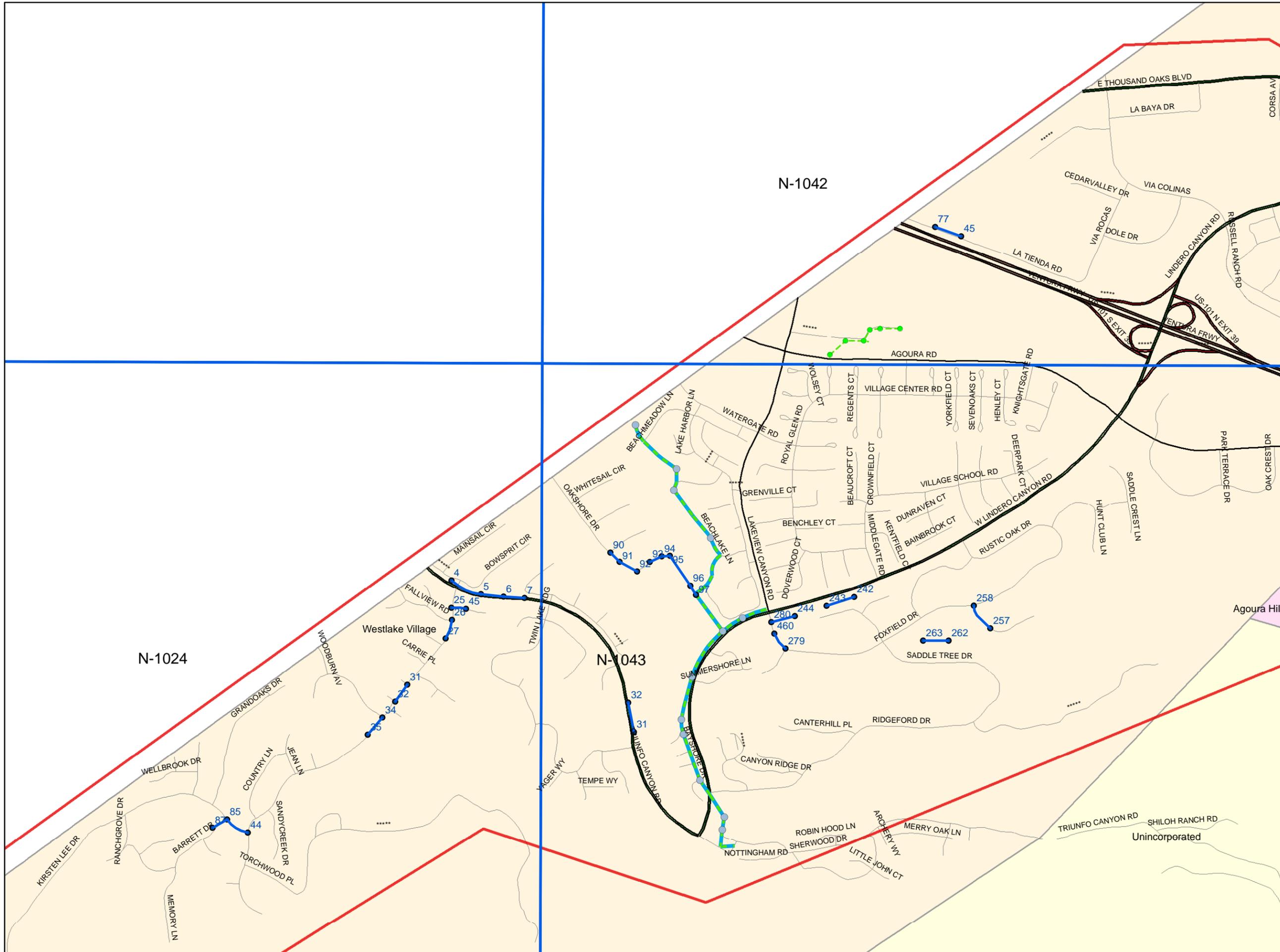
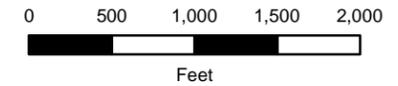
ENCLOSURE 2
HIGH WATER LEVELS
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

Item No.	QMR	START MH	END MH	STREET	OBSERVATION
1	5144	1043-0096	1043-0097	EASEMENT	Sag due to trunk line (30% - 50%): 62' - 76', 97' - 109'
2	5142	1043-0262	1043-0263	EASEMENT	Camera under water (30% - 70%): 147' - end MH
3	5141	1043-0095	1043-0096	EASEMENT	Sag due to trunk line (30% - 50%): start MH - 40'
4	4B3A	1024-0027	1024-0026	THREE SPRINGS DR	Sag (30% - 50%): start MH - 55'
5	4B00	1024-0005	1024-0006	TRIUNFO CANYON RD	Camera under water (30% - 70%): 48' - end MH
6	4A21	1024-0006	1024-0007	TRIUNFO CANYON RD	Sag (30% - 50%): start MH - 105'; (30%): 250' - 280'
7	473H	1043-0093	1043-0094	FAIRBREEZE CR	Camera under water due to trunk line (30% - 70%): 17' - 80', 85' - end MH
8	433E	1043-0091	1043-0092	OAKSHORE DR	Camera under water due to trunk line (30% - 70%): 14' - 60', 117' - 160'
9	433B	1024-0004	1024-0005	TRIUNFO CANYON RD	Camera under water (30% - 70%): 199' - 287'
10	4235	1043-0244	1043-0280	EASEMENT	Camera under water (30% - 70%): 330' - end MH
11	413F	1043-0090	1043-0091	OAKSHORE DR	High water level due to trunk line (40%): start MH - end MH
12	4121	1042-0077	1042-0045	LA TIENDA DR	Camera under water; sag (30% - 70%): 88' - 200'
13	4100	1043-0242	1043-0243	EASEMENT	Sag (30% - 50%): start MH - 85'
14	3G21	1024-0025	1024-0045	TIMBERRIDGE CT	Sag (30% - 50%): 25' - 170'
15	3D29	1024-0032	1024-0031	THREE SPRINGS DR	Sag (30% - 50%): 33' - 95', 175' - end MH
16	3B11	1043-0257	1043-0258	GERMAINE LN	Sag (30% - 50%): 220' - 270'
17	3A22	1043-0094	1043-0095	EASEMENT	Sag due to trunk line (30% - 50%): 53' - end MH
18	342A	1024-0035	1024-0034	THREE SPRINGS DR	Sag (30% - 50%): 185' - 200'
19	3800	1024-0087	1024-0085	BARRETT DR	Sag (30% - 50%): 163' - 190'
20	3423	1024-0085	1024-0044	KIRSTEN LEE DR	Sag (30% - 50%): 1' - 17'
21	3300	1043-0279	1043-0460	FOXFIELD DR	Sag (30% - 50%): 193' - 205'
22	3100	1043-0032	1043-0031	TRIUNFO CANYON RD	Sag (30% - 50%): 315' - end MH

ENCLOSURE 2

CCTV PROJECT YOTV0910A WESTLAKE VILLAGE

HIGH WATER LEVELS



Legend

— High Water Levels

● MH: High Water Levels

SMD Manholes

⊙ Other

Manhole Type

○ Standard

△ DROP

□ Shallow

◇ Trap

⊗ Siphon

■ SMD Pump Stations

■ WTP 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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AUGUST 2013

ENCLOSURE 2
INFILTRATION
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5241	1043-0136	1043-0135	LAKE HARBOR LN	Infiltration runner: inside capped lateral 153'; dripper: 252'	Infiltration is minimal. No action needed.	
2	5241	1043-0227	1043-0228	RUSTIC OAK DR	Infiltration dripper near MH 227	Infiltration is minimal. No action needed.	
3	514N	1043-0412	1043-0408	VILLAGE CENTER RD	Infiltration runner: 2', in MH 408	Lining: MH to MH	296
4	5144	1043-0096	1043-0097	EASEMENT	Infiltration runner in MH 96	Chemical grouting	
5	5144	1043-0087	1043-0090	OAKSHORE DR	Infiltration runner from chimneys: 44', 146', 148', 187'	Lining: MH to MH ; T-liners at chimney locations	196
6	5142	1042-0023	1042-0024	LINDERO CANYON RD	Infiltration runner near MH 24	Chemical grouting	
7	5141	1043-0104	1043-0105	EASEMENT	Infiltration gusher: 351'	Lining: MH to MH	354
8	5141	1043-0130	1043-0135	LAKE HARBOR LN	Infiltration runner: inside capped lateral 146'	Infiltration is minimal. No action needed.	
9	5141	1043-0222	1043-0227	HUNT CLUB LN	Infiltration runner in MH 222	Chemical grouting	
10	5141	1043-0283	1043-0284	EASEMENT	Infiltration runner: 60'	Infiltration is minimal. No action needed.	
11	5141	1043-0284	1043-0285	EASEMENT	Infiltration runner in lateral: 181'	Infiltration is minimal. No action needed.	
12	5141	1043-0358	1043-0382	KINGSPARK CT	Infiltration runner in MH 382	Infiltration is minimal. No action needed.	
13	5141	1043-0395	1043-0396	BEDFORDHURST CT	Infiltration runner: 284'	Lining: MH to MH	337
14	5141	1043-0142	1043-0461	EASEMENT	Infiltration runner near MH 461	Chemical grouting	
15	5141	1043-0379	1043-0367	FOXMOOR CT	Infiltration runner in MH 379	Chemical grouting	
16	5138	1043-0287	1043-0288	EASEMENT	Infiltration runner: 341'	Lining: MH to MH	345
17	5133	1043-0318	1043-0317	ABBINGTON CT	Infiltration dripper near MH 317	Infiltration is minimal. No action needed.	
18	5131	1043-0206	1043-0207	SADDLECREST LN	Infiltration dripper in MH 207	Infiltration is minimal. No action needed.	
19	5131	1043-0340	1043-0281	LAKEVIEW CANYON DR	Infiltration dripper: 64'	Infiltration is minimal. No action needed.	
20	5131	1043-0421	1043-0426	BEACONSFIELD CT	Infiltration runner: 252'	Lining: MH to MH	260
21	5131	1042-0025	1042-0024	LINDERO CANYON RD	Infiltration dripper: 160'	Infiltration is minimal. No action needed.	
22	5131	1043-0153	1043-0340	LAKEVIEW CANYON DR	Infiltration dripper near MH 340	Infiltration is minimal. No action needed.	
23	4B3A	1024-0027	1024-0026	THREE SPRINGS DR	Infiltration dripper in MH 26	Infiltration is minimal. No action needed.	
24	473H	1043-0093	1043-0094	FAIRBREEZE CR	Infiltration runner:173', in lateral: 147'	Lining: MH to MH	180
25	4325	1043-0086	1043-0087	OAKSHORE DR	Infiltration runner in chimneys: 77', 138'	Infiltration is minimal. No action needed.	
26	423A	1024-0029	1024-0028	THREE SPRINGS DR	Infiltration runner in MH 29 and MH 28	Chemical grouting	
27	422K	1043-0433	1043-0431	SHROPSHIRE RD	Infiltration runner in MH 431	Chemical grouting	

ENCLOSURE 2
INFILTRATION
CITY OF WESTLAKE VILLAGE (Y0TV0910A)
as of 07/21/10

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
28	422I	1066-0065	1066-0064	AGOURA RD	Infiltration runner in MH 64	Chemical grouting	
29	422F	1043-0304	1043-0305	VILLAGE SCHOOL RD	Infiltration dripper in MH 304	Infiltration is minimal. No action needed.	
30	4200	1043-0033	1043-0032	TRIUNFO CANYON RD	Infiltration runner in MH 32	Chemical grouting	
31	413A	1043-0039	1043-0037	TRIUNFO CANYON RD	Infiltration runner: 167'	Lining: MH to MH	182
32	4132	1043-0117	1043-0118	EASEMENT	Infiltration dripper near MH 118	Infiltration is minimal. No action needed.	
33	4131	1043-0430	1043-0429	VILLAGE SCHOOL RD	Infiltration dripper: 50'	Infiltration is minimal. No action needed.	
34	4131	1043-0249	1043-0258	FOXFIELD DR	Infiltration runner in lateral: 83'	Infiltration is minimal. No action needed.	
35	412K	1066-0064	1066-0063	AGOURA RD	Infiltration runner near MH 64	Chemical grouting	
36	412J	1043-0080	1043-0081	WHITESAIL CR	Infiltration runner: 88'	Infiltration is minimal. No action needed.	
37	412F	1024-0001	1024-0002	MAINSAIL CR	Infiltration runner: 340'	Lining: MH to MH	354
38	412F	1043-0280	1043-0281	FOXFIELD DR	Infiltration runner: 134'	Lining: MH to MH	182
39	4122	1024-0026	1024-0025	THREE SPRINGS DR	Infiltration runner in MH 25	Chemical grouting	
40	4121	1043-0458	1042-0061	EASEMENT	Infiltration runner in MH 458	Chemical grouting	
41	322B	1043-0115	1043-0116	EASEMENT	Infiltration dripper: 66'	Infiltration is minimal. No action needed.	
42	3229	1043-0037	1043-0033	TRIUNFO CANYON RD	Infiltration dripper in MH 37	Infiltration is minimal. No action needed.	
43	3229	1043-0335	1043-0391	MIDDLEGATE RD	Infiltration dripper: 125'	Infiltration is minimal. No action needed.	
44	3226	1025-0006	1025-0005	SYCAMORE CANYON DR	Infiltration dripper: 19'	Lining: MH to MH	29
45	3200	1042-0008	1042-0009	THOUSAND OAKS BV	Infiltration dripper near MH 9	Infiltration is minimal. No action needed.	
46	312R	1043-0115	1043-0114	Private Rd	Infiltration dripper in MH 114	Infiltration is minimal. No action needed.	
47	312A	1024-0013	1043-0048	LAKE PLEASANT DR	Infiltration dripper: 134'	Infiltration is minimal. No action needed.	
48	3127	1024-0031	1024-0030	THREE SPRINGS DR	Infiltration runner inside lateral: 145'	Infiltration is minimal. No action needed.	
49	3124	1043-0041	1043-0039	TRIUNFO CANYON RD	Infiltration dripper: 306'	Infiltration is minimal. No action needed.	
50	3122	1043-0043	1043-0041	TRIUNFO CANYON RD	Infiltration dripper: 1'	Infiltration is minimal. No action needed.	
51	3100	1043-0032	1043-0031	TRIUNFO CANYON RD	Infiltration runner in MH 32	Chemical grouting	

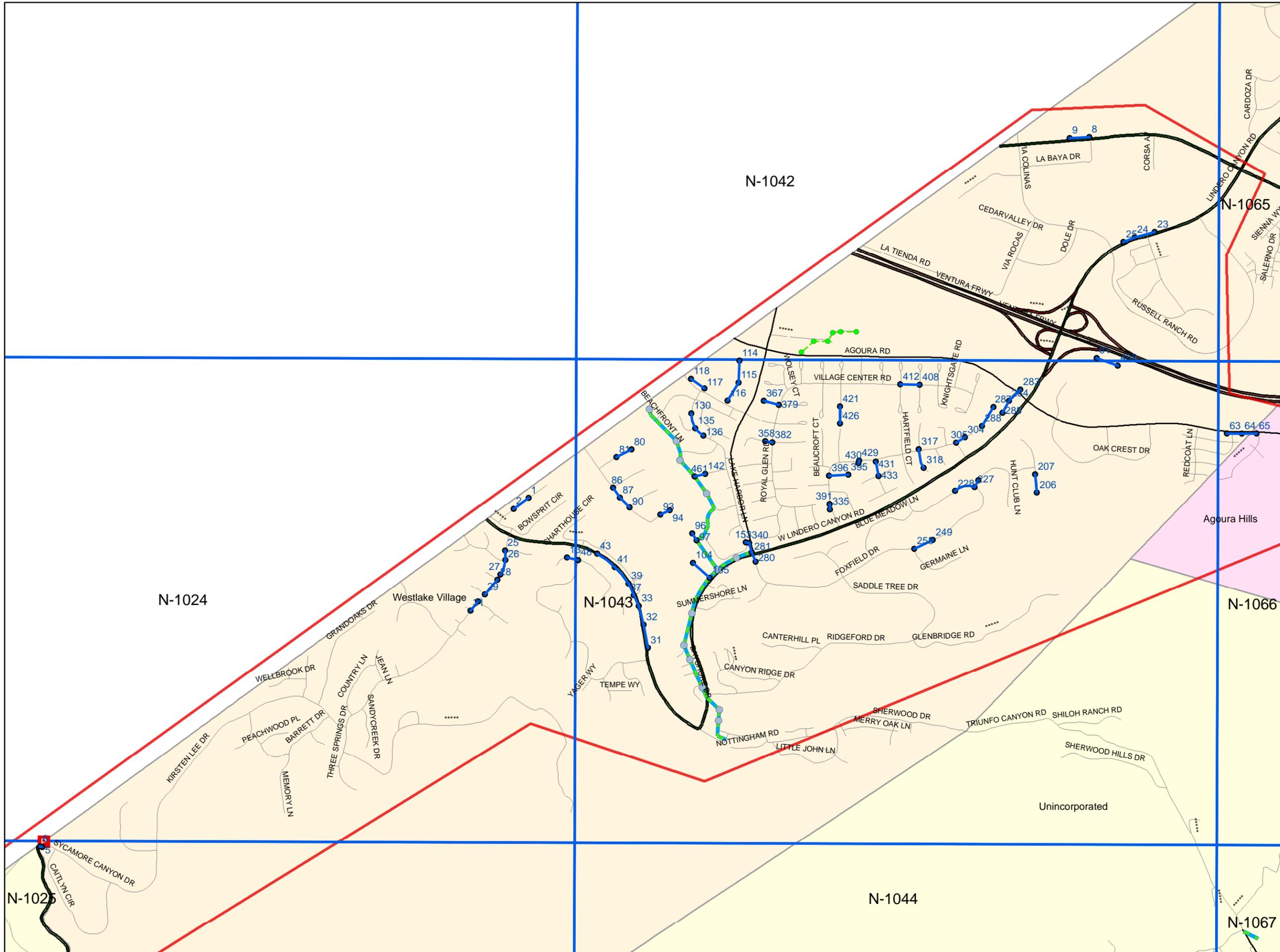
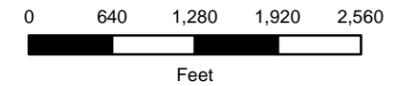
ENCLOSURE 2

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE

INFILTRATION



Legend

- Infiltration
- MH: Infiltration
- Other
- SMD Manholes**
- Standard
- DROP
- Shallow
- Trap
- Siphon
- P SMD Pump Stations
- WTP SMD Treatment Plants
- Maintained by Others:**
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV PROJECT AREA

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JUNE 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



ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
WESTLAKE VILLAGE (Y0TV0910A)
as of 09/22/2010

NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5223	1043-0115	1043-0116	EASEMENT by WATERGATE & LAKEVIEW CANYON	Broken: 177'; broken with multiple fractures at chimney: 253'; broken at lateral: 284'	Emergency point repair (completed May 2011)	
2	5131	1043-0217	1043-0216	EASEMENT	Fracture: 2'; broken with fracture: 62'	Structural integrity in tact. No action needed.	
3	5131	1043-0257	1043-0258	GERMAINE LN	Multiple fractures: 3', 300'	Structural integrity in tact. No action needed.	
4	5122	1043-0424	1043-0425	EASEMENT	Broken: 227'	Structural integrity in tact. No action needed.	
5	5121	1043-0218	1043-0217	EASEMENT	Broken: 135'; fracture: 225', 230', 240', hole: 245'	Lining: MH to MH	330
6	5115	1043-0282	1043-0283	EASEMENT	Hole: 3'; fractures: 42', 52', 63', 67'	Structural integrity in tact. No action needed.	
7	5100	1043-0423	1043-0424	EASEMENT	Broken at lateral: 147'	Structural integrity in tact. No action needed.	
8	5100	1043-0484	1043-0446	REDCOAT LN	Multiple fracture: 73'; hole at manhole base: MH 1043-0446	CSMD will repair base of MH 446.	
9	5100	1043-0156	1043-0442	LEXINGTON WY	Broken inside lateral: 77'	Structural integrity in tact. No action needed.	
10	5100	1043-0250	1043-0251	GERMAINE LN	Multiple fracture: 258'	Structural integrity in tact. No action needed.	
11	5100	1043-0238	1043-0239	BLUE MEADOW LN	Hole at base of MH 1043-0239	CSMD will repair base of MH 239.	
12	4331	1066-0063	1043-0450	AGOURA RD	Fractures: 2', 8'-20', 139'-150', 164'-171', 182'-193'	Lining: MH to MH	220
13	4111	1043-0046	1043-0047	LAKE PEASANT DR	Fracture: 7', 153'	Structural integrity in tact. No action needed.	
14	4100	1024-0085	1024-0044	KIRSTEN LEE DR	Fracture: 1'	Structural integrity in tact. No action needed.	
15	4100	1024-0018	1024-0017	TWIN LAKE RIDGE	Fracture: 155'	Structural integrity in tact. No action needed.	
16	4100	1043-0014	1043-0015	JONQUIL FIELD RD	Fractures: 152'	Structural integrity in tact. No action needed.	
17	4100	1043-0276	1043-0277	FOXFIELD DR	Fractures: 324'	Structural integrity in tact. No action needed.	
18	4100	1043-0277	1043-0279	FOXFIELD DR	Fractures: 3'	Structural integrity in tact. No action needed.	
19	4100	1043-0242	1043-0241	EASEMENT	Fracture: 23'	Structural integrity in tact. No action needed.	

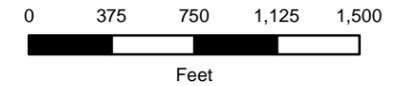
ENCLOSURE 3

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

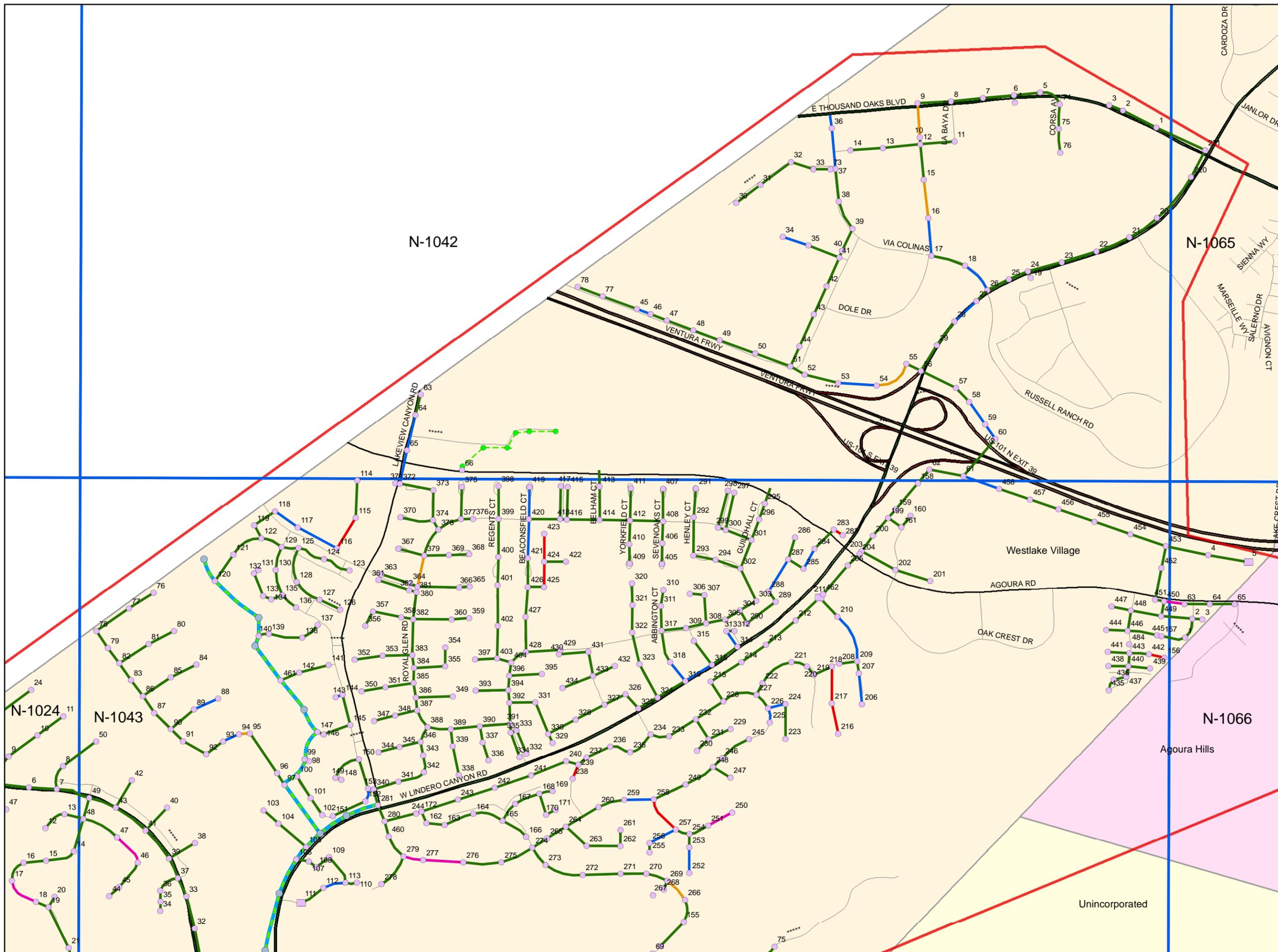
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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AUGUST 2013



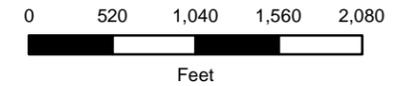
ENCLOSURE 3

CCTV PROJECT

YOTV0910A

WESTLAKE VILLAGE

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

- Other

Manhole Type

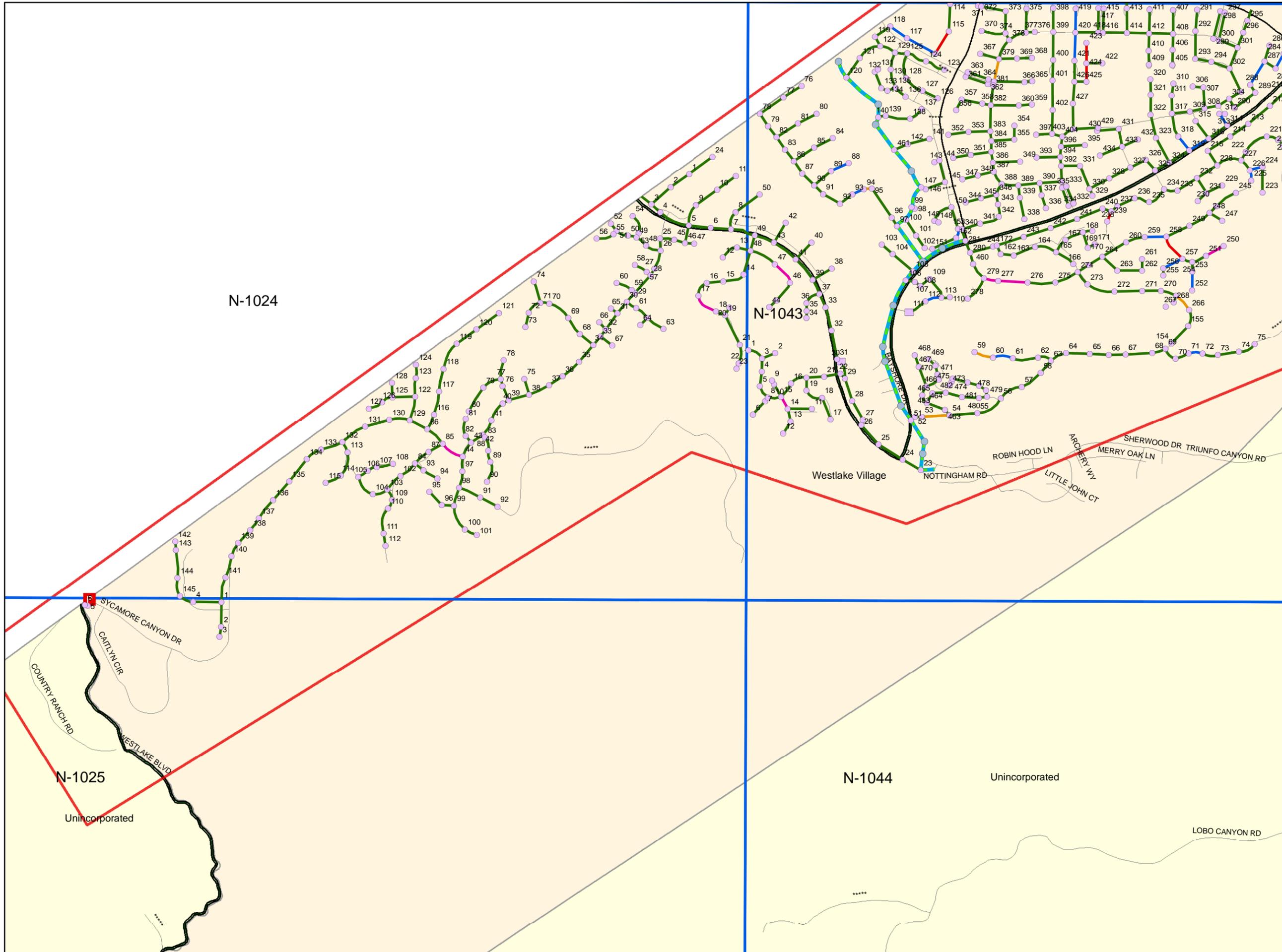
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

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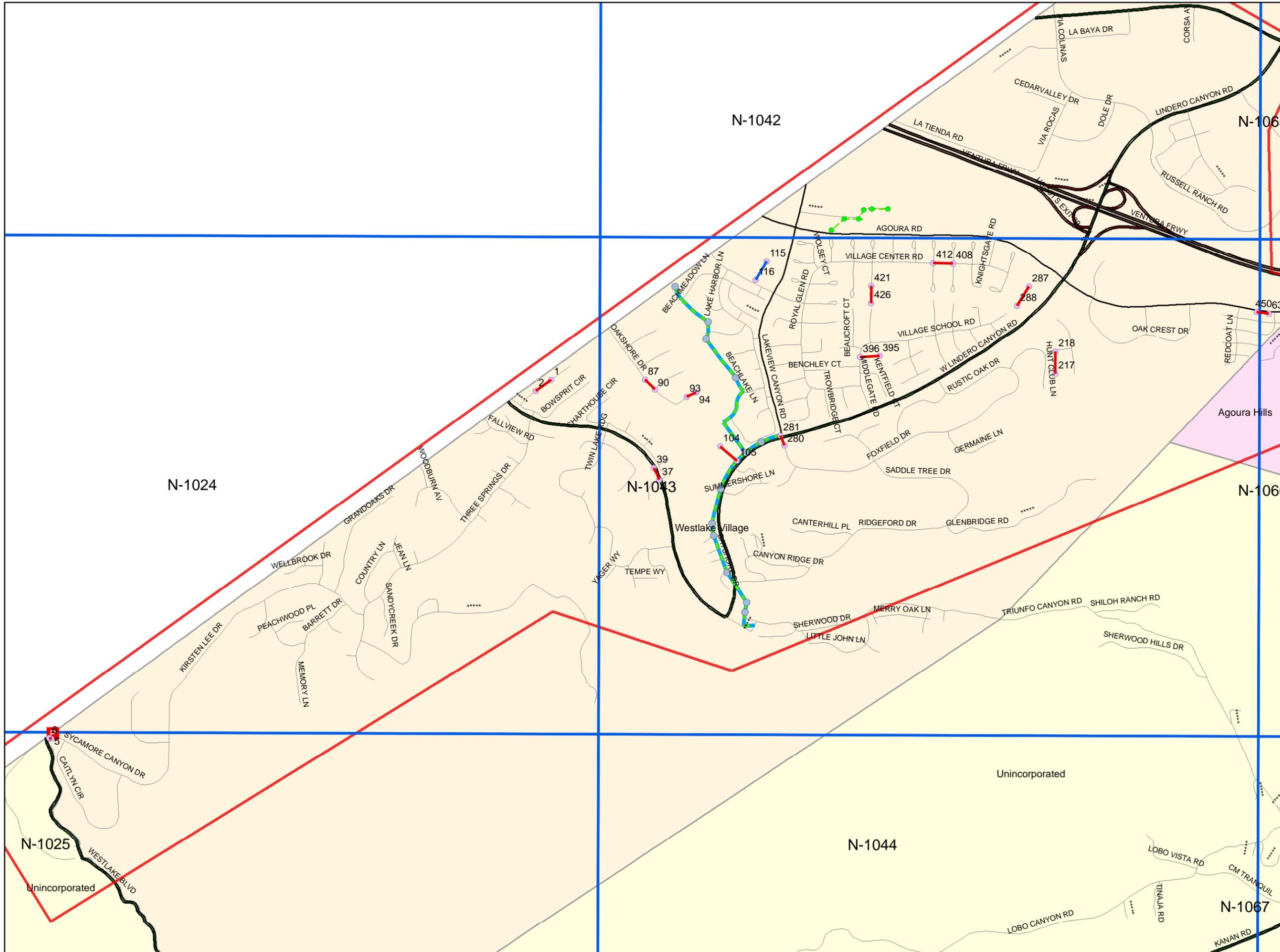
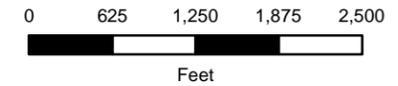


ENCLOSURE 3

CCTV PROJECT YOTV0910A

WESTLAKE VILLAGE

LINING & POINT REPAIR PROJECTS



Legend

- Lining: MH to MH
- Point Repair

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

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AUGUST 2013

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20100520	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2195	PSR: 34320
Total Pipe Length: 354.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/18/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0115
City: WLV	Year Renewed:	End MH: 1043-0116
Location Code: Light Highway	Tape/Media #: M317-024	pipe length: 348.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0115/1043-0116/1043	Lining Method:
	Category:

Remark::

1:660	position	observation	MPEG	photo	grade
1043					
	1043-0115				
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0115	00:00:25	1233	
	6.00 S1	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: NO, Start	00:00:50	1234, b	M 2
	60.40 F1	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: NO, End	00:02:37	1237	M 2
	66.80	Deposits Attached Encrustation, from 7 to 5 o'clock, 10 %, within 8 inch: YES	00:03:16	1238, b	M 2
	66.80	Water Level, 10 %, within 8 inch: NO	00:03:31	1240	M 2
	66.80	Infil Dripper, from 11 to 12 o'clock, within 8 inch: YES	00:03:52	1241, b	M 3
	66.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:04:05	1243, b	
	67.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:37	1245	
	67.20	Roots Fine Lateral, at 12 o'clock, within 8 inch: NO	00:04:47	1246	M 1
	153.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:55	1247	
	171.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:08:46	1248	
	177.70	Fracture Circumferential, from 10 to 5 o'clock, within 8 inch: YES	00:09:41	1249, b	S 2
	177.70	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:10:00	1251, b	
	178.20	Tap Factory, at 12 o'clock, 6", within 8 inch: NO	00:10:29	1253	
	178.20	Roots Fine Lateral, at 12 o'clock, within 8 inch: NO	00:10:42	1254	M 1
	178.20	Roots Fine Connection, at 12 o'clock, within 8 inch: NO	00:11:01	1255	M 1
	250.50	Crack Longitudinal, at 12 o'clock, within 8 inch: NO	00:13:48	1256, b	S 2
	252.30	Roots Fine Barrel, from 7 to 5 o'clock, within 8 inch: NO	00:14:27	1258	M 2
	253.80	Deformed, 30 %, within 8 inch: NO	00:15:09	1259, b	S 5
	253.80	Fracture Circumferential, from 9 to 3 o'clock, within 8 inch: NO	00:15:25	1261, b	S 2
	253.80	Broken, from 9 to 3 o'clock, within 8 inch: NO	00:15:49	1265, b	S 5
	254.00	Tap Factory Defective, at 12 o'clock, 6", within 8 inch: NO	00:16:23	1267	M 2

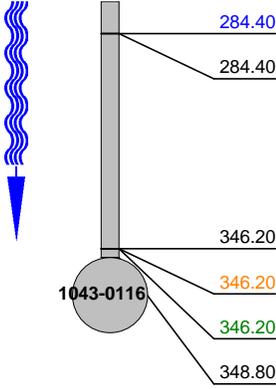


Inspection report

Date: 20100520	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2195	PSR: 34320
Total Pipe Length: 354.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/18/2010	Pre-Cleaned: Jetting	Map Grid #:

1:660	position	observation	MPEG	photo	grade
	<u>284.40</u>	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:17:57	1268, b	M 2
	<u>284.40</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:18:23	1270, b	
	<u>346.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:50	1272	
	<u>346.20</u>	Roots Medium Lateral, at 9 o'clock, 40 %, within 8 inch: NO	00:21:13	1273	M 3
	<u>346.20</u>	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:21:38	1274	M 1
	<u>348.80</u>	Manhole, within 8 inch: NO, Remarks: 1043-0116	00:21:58	1275	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5223	3227	16	24	40	3.2	1.85	2.22





Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2589	PSR: 34201
Total Pipe Length: 353.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: GERMAINE LN	Flow Control: Not Controlled	Start MH: 1043-0257
City: WLV	Year Renewed:	End MH: 1043-0258
Location Code: Light Highway	Tape/Media #: R311-075	pipe length: 328 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0257/1043-0258/1043	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0257	00:00:28	1330	
	3.30	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:01:30	1331, b	S 3
	6.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:04	1333	
	10.10	Water Level, 5 %, within 8 inch: NO	00:02:23	1334	M 2
	15.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:02:45	1335	
	22.50	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:03:17	1336	
	186.30	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:07:40	1337	
	221.10	Water Level, 20 %, within 8 inch: NO	00:09:00	1338	M 2
	222.50 S1	Water Level Sag, 35 %, within 8 inch: NO, Start	00:10:31	1339, b	M 3
	229.70	Water Level, 50 %, within 8 inch: NO	00:11:09	1341	M 2
	284.80 F1	Water Level Sag, 35 %, within 8 inch: NO, End	00:13:04	1342, b	M 3
	284.80	Water Level, 5 %, within 8 inch: NO	00:13:20	1344	M 2
	290.10	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:13:55	1345, b	
	300.50	Broken, from 9 to 3 o'clock, within 8 inch: YES	00:15:03	1347, b	S 5
	300.50	Roots Medium Joint, at 9 o'clock, 20 %, within 8 inch: YES	00:15:35	1349, b	
	328.00	Manhole, within 8 inch: NO, Remarks: 1043-0258	00:17:26	1351	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	3224	8	14	22	4	2.33	2.75



Inspection report

Date: 20100514	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2051	PSR: 34030
Total Pipe Length: 232.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/12/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0424
City: WLV	Year Renewed:	End MH: 1043-0425
Location Code: Light Highway	Tape/Media #: M315-020	pipe length: 230.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0424/1043-0425/1043	Lining Method:
	Category:

Remark::

1:495	position	observation	MPEG	photo	grade
1043					
		1043-0424			
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0424	00:00:19	1357	
	6.00	Water Level, 5 %, within 8 inch: NO	00:00:56	1358	M 2
	23.90	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:01:36	1359, b	
	28.80	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:02:04	1361, b	
	33.90	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:02:33	1363, b	
	35.40	Tap Factory, at 9 o'clock, 4", within 8 inch: NO	00:03:13	1365	
	35.40	Roots Ball Lateral, at 9 o'clock, 75 %, within 8 inch: NO	00:03:30	1366	M 4
	35.40	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:03:47	1367	M 1
	36.50	Roots Fine Joint, from 8 to 2 o'clock, within 8 inch: YES	00:04:01	1368, b	
	41.60 S1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:04:30	1370, b	
	83.20	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:06:29	1374	
	83.20	Roots Medium Lateral, at 9 o'clock, 20 %, within 8 inch: NO	00:06:42	1375	M 3
	83.20	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:06:57	1376	M 1
	104.50	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:08:09	1377	
	127.70 F1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:09:37	1378	
	131.10	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:09:56	1379	
	131.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:10:06	1380	M 1
	131.10	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:10:20	1381	M 1
	137.30	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:10:45	1382, b	
	152.40	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:11:37	1384, b	
	183.90	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:13:06	1386	

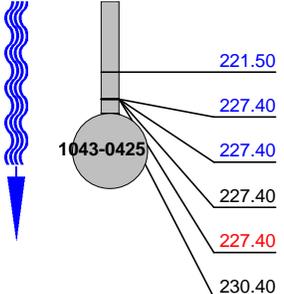


Inspection report

Date: 20100514	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2051	PSR: 34030
Total Pipe Length: 232.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/12/2010	Pre-Cleaned: Jetting	Map Grid #:

1:495	position	observation	MPEG	photo	grade
	<u>221.50</u>	Water Level, 35 %, within 8 inch: NO	00:14:39	1387	M 2
	<u>227.40</u>	Fracture Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:16:27	1388, b	S 2
	<u>227.40</u>	Fracture Circumferential, from 11 to 4 o'clock, within 8 inch: YES	00:16:54	1390, b	S 2
	<u>227.40</u>	Roots Fine Joint, at 11 o'clock, within 8 inch: YES	00:17:16	1392	
	<u>227.40</u>	Broken, from 11 to 4 o'clock, within 8 inch: YES	00:17:38	1393	S 5
	<u>230.40</u>	Manhole, within 8 inch: NO, Remarks: 1043-0425	00:18:05	1394	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	4131	9	15	24	3	1.88	2.18





Inspection report

Date: 20100527	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2288	PSR: 34162
Total Pipe Length: 334.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/25/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0218
City: WLV	Year Renewed:	End MH: 1043-0217
Location Code: Light Highway	Tape/Media #: M317-029	pipe length: 329.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0217/1043-0218/1043	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	1043				
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0218	00:00:20	2526	
	1043-0218 6.00	Water Level, 5 %, within 8 inch: NO	00:01:38	2527	M 2
	31.40	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO	00:02:43	2528, b	M 2
	69.10	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:04:26	2530	
	69.10	Roots Fine Lateral, at 2 o'clock, within 8 inch: NO	00:04:41	2531	M 1
	69.10	Roots Fine Connection, at 2 o'clock, within 8 inch: NO	00:04:59	2532	M 1
	130.00	Roots Fine Joint, at 12 o'clock, within 8 inch: YES	00:07:15	2533, b	
	135.10	Fracture Circumferential, from 3 to 4 o'clock, within 8 inch: YES	00:08:06	2535, b	S 2
	135.10	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:08:47	2537, b	S 1
	135.10	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:09:01	2539	
	140.20	Crack Circumferential, from 10 to 11 o'clock, within 8 inch: NO	00:09:41	2540, b	S 1
	140.20	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:10:02	2542, b	
	165.40	Crack Circumferential, from 2 to 3 o'clock, within 8 inch: YES	00:11:17	2544, b	S 1
	189.80	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:12:46	2546	
	225.30	Crack Circumferential, from 10 to 1 o'clock, within 8 inch: YES	00:14:38	2547, b	S 1
	230.30	Crack Circumferential, from 6 to 10 o'clock, within 8 inch: YES	00:15:44	2549	S 1
	230.30	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:16:09	2550, b	
	240.50	Crack Circumferential, from 4 to 11 o'clock, within 8 inch: YES	00:17:12	2552, b	S 1
	245.70	Hole Soil Visible, at 10 o'clock, within 8 inch: YES	00:17:56	2554, b	S 5
	245.70	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:18:37	2557, b	
	293.40	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:21:02	2559	
	293.40	Roots Ball Lateral, at 2 o'clock, 85 %, within 8 inch: NO	00:21:17	2560	M 4
	293.40	Roots Ball Connection, at 2 o'clock, 70 %, within 8 inch: NO	00:21:40	2561	M 4
	1043-0217 329.30	Manhole, within 8 inch: NO, Remarks: 1043-0217 BURIED MANHOLE	00:24:14	2562	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	4222	13	14	27	1.63	2.33	1.93



Inspection report

Date: 20100602	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2342	PSR: 34112
Total Pipe Length: 118.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/28/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0282
City: WLV	Year Renewed:	End MH: 1043-0283
Location Code: Light Highway	Tape/Media #: M317-032	pipe length: 105.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0282/1043-0283/1043	Lining Method:
	Category:

Remark::

1:275	position	observation	MPEG	photo	grade
1043					
		1043-0282			
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0282	00:00:17	3294	
	3.00	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: YES	00:01:17	3295, b	S 5
	3.00	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:02:15	3297, b	S 1
	6.00	Water Level, 5 %, within 8 inch: NO	00:03:11	3299	M 2
	42.80	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:04:53	3300, b	S 1
	52.60	Crack Circumferential, from 2 to 12 o'clock, within 8 inch: YES	00:05:41	3302, b	S 1
	52.60	Deposits Attached Encrustation, from 8 to 11 o'clock, 5 %, within 8 inch: YES	00:06:04	3304, b	M 2
	63.10	Crack Circumferential, from 1 to 6 o'clock, within 8 inch: YES	00:06:53	3306, b	S 1
	63.10	Deposits Attached Encrustation, from 3 to 5 o'clock, 5 %, within 8 inch: NO	00:07:11	3308, b	M 2
	67.80	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:07:43	3310, b	S 1
	105.60	Manhole, within 8 inch: NO, Remarks: 1043-0283	00:09:19	3312	
		1043-0283			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5115	2300	10	6	16	1.67	2	1.78



Inspection report

Date: 20100510	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1983	PSR: 34029
Total Pipe Length: 277.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/10/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0423
City: WLV	Year Renewed:	End MH: 1043-0424
Location Code: Light Highway	Tap Media #: M315-016	pipe length: 269.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0423/1043-0424/1043	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
1043					
		1043-0423			
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0423	00:00:29	234	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:14	235	M 2
	6.20	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:01:26	236	
	24.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:02:17	237	
	51.60	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:03:34	238	
	74.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:04:29	239	
	96.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:25	240	
	124.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:29	241	
	147.40	Tap Factory Defective, at 9 o'clock, 4", within 8 inch: NO	00:07:33	242	M 2
	147.40	Broken Soil Visible, at 9 o'clock, within 8 inch: NO, Remarks: IN LATERAL	00:07:58	243, b	S 5
	170.40	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:09:05	245	
	222.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:10:56	246	
	245.80	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:11:53	247	
	269.80	Manhole, within 8 inch: NO, Remarks: 1043-0424	00:12:54	248	
		1043-0424			

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



Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2230	PSR: 34242
Total Pipe Length: 150.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/21/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: LEXINGTON WY	Flow Control: Not Controlled	Start MH: 1043-0156
City: WLV	Year Renewed:	End MH: 1043-0442
Location Code: Light Highway	Tap Media #: M317-026	pipe length: 151 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Reinforced Plastic Pipe (Truss Pipe) Pipe Length:
Drain. Area: 0156/1043-0442/1043	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
1043					
		1043-0156			
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0156	00:00:56	1814	
	4.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:26	1815	
	6.00	Water Level, 5 %, within 8 inch: NO	00:02:06	1816	M 2
	8.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:19	1817	
	38.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:27	1818	
	59.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:20	1819	
	67.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:49	1820	
	67.10	Water Level, 10 %, within 8 inch: NO	00:04:59	1821	M 2
	77.00	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:05:33	1822	M 2
	77.10	Hole Soil Visible, at 3 o'clock, within 8 inch: NO, Remarks: IN LATERAL	00:05:55	1823, b	S 5
	79.10	Water Level, 5 %, within 8 inch: NO	00:06:15	1825	M 2
	108.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:21	1826	
	131.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:19	1827	
	137.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:49	1828	
	148.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:32	1829	
	151.00	Manhole, within 8 inch: NO, Remarks: 1043-0442	00:09:55	1830	
		1043-0442			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2400	5	8	13	5	2	2.6



Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2586	PSR: 34194
Total Pipe Length: 250.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: GERMAINE LN	Flow Control: Not Controlled	Start MH: 1043-0250
City: WLV	Year Renewed:	End MH: 1043-0251
Location Code: Light Highway	Tap/Media #: R311-075	pipe length: 259.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0250/1043-0251/1043	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	1043-0250				
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0250	00:00:33	1298	
	4.50	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:01:12	1299	
	8.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:01:51	1300	
	13.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:02:15	1301	
	19.80	Water Level, 5 %, within 8 inch: NO	00:02:39	1302	M 2
	24.80	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 5'	00:03:02	1303	
	92.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:04:42	1304	
	141.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:06:08	1305	
	184.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:07:26	1306	
	240.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:09:04	1307	
	258.10	Broken, from 5 to 8 o'clock, within 8 inch: YES	00:10:09	1308, b	S 4
	258.10	Roots Fine Joint, from 8 to 2 o'clock, within 8 inch: YES	00:10:38	1310, b	
	259.90	Manhole, within 8 inch: NO, Remarks: 1043-0251	00:11:24	1312	
	1043-0251				

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20100601	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2676	PSR: 34183
Total Pipe Length: 139.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/28/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: BLUE MEADOW LN	Flow Control: Not Controlled	Start MH: 1043-0238
City: WLV	Year Renewed:	End MH: 1043-0239
Location Code: Light Highway	Tap Media #: R311-080	pipe length: 152.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0238/1043-0239/1043	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0238	00:00:27	2449	
	2.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:1:10	2450	
	2.00	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:01:20	2451, b	M 1
	13.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:27	2453	
	111.40	Tap Factory Active, at 12 o'clock, 4", within 8 inch: NO	00:05:18	2454	
	152.30	Broken Soil Visible, from 5 to 6 o'clock, within 8 inch: NO, Remarks: Mh Channel	00:07:35	2455, b	S 5
	152.30	Manhole, within 8 inch: NO, Remarks: 1043-0239	00:08:29	2457	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	1100	5	1	6	5	1	3



Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2240	PSR: 675819
Total Pipe Length: 189.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/21/2010	Pre-Cleaned: Jetting	Map Grid #:

Street: AGOURA RD	Flow Control: Not Controlled	Start MH: 1066-0063
City: WLV	Year Renewed:	End MH: 1043-0450
Location Code: Light Highway	Tape/Media #: M317-026	pipe length: 220.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"/10"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0063/1066-0450/1043	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
1066					
	0.00	Manhole, within 8 inch: NO, Remarks: 1066-0063	00:00:34	1918	
	2.00	Fracture Circumferential, from 6 to 10 o'clock, within 8 inch: YES	00:01:08	1919, b	S 2
	2.30	Water Level, 15 %, within 8 inch: NO	00:01:30	1921	M 2
	7.90	Crack Circumferential, from 3 to 11 o'clock, within 8 inch: YES	00:02:08	1922, b	S 1
	13.90	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:02:42	1924, b	S 1
	97.80	Deposits Attached Encrustation, from 7 to 12 o'clock, 10 %, within 8 inch: YES	00:07:19	1926, b	M 2
	127.90	Deposits Attached Encrustation, from 3 to 9 o'clock, 5 %, within 8 inch: YES	00:09:36	1928, b	M 2
	139.80	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:10:47	1930, b	S 4
	146.00 S1	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, Start	00:11:46	1934, b	S 4
	146.00	Deposits Attached Encrustation, from 8 to 10 o'clock, 5 %, within 8 inch: NO	00:12:10	1936, b	M 2
	146.00	Roots Fine Joint, from 9 to 2 o'clock, within 8 inch: YES	00:12:25	1938, b	
	152.30 F1	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, End	00:13:03	1940	S 4
	164.30	Roots Fine Joint, from 10 to 3 o'clock, within 8 inch: YES	00:14:12	1941	
	164.30	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:14:28	1942, b	S 3
	164.40	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:14:59	1944, b	S 1
	170.20	Fracture Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:15:42	1946, b	S 2
	170.20	Deposits Attached Encrustation, from 2 to 4 o'clock, 5 %, within 8 inch: NO	00:16:02	1948, b	M 2
	182.20 S2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:17:11	1950, b	S 1
	189.40	Deposits Attached Encrustation, from 3 to 9 o'clock, 5 %, within 8 inch: NO	00:18:11	1954, b	M 2
	194.20	Deposits Attached Encrustation, from 7 to 10 o'clock, 5 %, within 8 inch: NO	00:18:50	1956, b	M 2
	198.30 F2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:21	1958	S 1
	212.20	Crack Circumferential, from 2 to 6 o'clock, within 8 inch: YES	00:20:33	1959, b	S 1
	220.80	Manhole, within 8 inch: NO, Remarks: 1043-0450	00:21:43	1961	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4331	2700	25	14	39	2.08	2	2.05



Inspection report

Date: 20100518	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2508	PSR: 34372
Total Pipe Length: 306.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/14/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: LAKE PEASANT DR	Flow Control: Not Controlled	Start MH: 1043-0046
City: WLV	Year Renewed:	End MH: 1043-0047
Location Code: Light Highway	Tape/Media #: R311-071	pipe length: 308.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0046/1043-0047/1043	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0046	00:00:26	254	
	7.20	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:01:30	255, b	S 1
	18.20	Water Level, 5 %, within 8 inch: NO	00:02:24	257	M 2
	23.50	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:55	258	
	33.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:03:27	259	
	34.80 S1	Deposits Attached Encrustation, from 9 to 3 o'clock, 5 %, within 8 inch: NO, Start	00:03:50	260, b	M 2
	78.20 F1	Deposits Attached Encrustation, from 9 to 3 o'clock, 5 %, within 8 inch: NO, End	00:05:25	262, b	M 2
	80.10	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:06:03	264	
	80.10	Deposits Attached Encrustation, at 2 o'clock, 5 %, within 8 inch: NO, Remarks: In Lateral	00:06:23	265, b	M 2
	80.90 S2	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO, Start	00:06:51	267, b	M 2
	153.00	Fracture Multiple, from 7 to 2 o'clock, within 8 inch: YES	00:10:10	269, b	S 4
	161.60	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:11:12	271	
	235.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:13:39	272	
	238.20	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:14:05	273	
	293.70 F2	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO, End	00:16:20	274, b	M 2
	300.20	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: NO	00:17:12	276, b	M 2
	308.30	Manhole, within 8 inch: NO, Remarks: 1043-0047	00:18:18	278	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2700	5	14	19	2.5	2	2.11



Inspection report

Date: 20100512	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 1923	PSR: 34662
Total Pipe Length: 306.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/11/2010	Pre-Cleaned: Jetting	Map Grid #: 1024

Street: KIRSTEN LEE DR	Flow Control: Not Controlled	Start MH: 1024-0085
City: WLV	Year Renewed:	End MH: 1024-0044
Location Code: Light Highway	Tap/Media #: R067	pipe length: 304.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 10"/10"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0044/1024-0085/1024	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1024-0085	00:00:25	454	
	1.00	Fracture Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:01:23	455, b	S 4
	4.00 S1	Water Level Sag, 50 %, within 8 inch: NO, Start	00:02:02	457, b	M 3
	18.40 F1	Water Level Sag, 50 %, within 8 inch: NO, End	00:03:14	459, b	M 3
	18.40	Water Level, 10 %, within 8 inch: NO	00:03:27	461	M 2
	24.50	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 6'	00:03:54	462	
	117.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:22	463	
	141.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:07:17	464	
	238.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:11:16	465	
	246.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:52	466	
	281.90 S2	Water Level Sag, 25 %, within 8 inch: NO, Start	00:13:07	467, b	M 2
	295.50 F2	Water Level Sag, 25 %, within 8 inch: NO, End	00:13:47	469, b	M 2
	295.50	Water Level, 10 %, within 8 inch: NO	00:14:01	471	M 2
	304.30	Manhole, within 8 inch: NO, Remarks: 1024-0044	00:15:05	472	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3224	4	14	18	4	2.33	2.57



Inspection report

Date: 20100517	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2502	PSR: 34624
Total Pipe Length: 310.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/14/2010	Pre-Cleaned: Jetting	Map Grid #: 1024

Street: TWIN LAKE RIDGE	Flow Control: Not Controlled	Start MH: 1024-0018
City: WLV	Year Renewed:	End MH: 1024-0017
Location Code: Light Highway	Tap Media #: R311-070	pipe length: 222.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0017/1024-0018/1024	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
		1024-0018			
	0.00	Manhole, within 8 inch: NO, Remarks: 1024-0018	00:00:27	184	
	<u>2.80</u>	Water Level, 5 %, within 8 inch: NO	00:00:57	185	M 2
	<u>8.20</u>	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:01:44	186	
	<u>40.00</u>	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:43	187	
	<u>52.60</u>	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:03:48	188	
	<u>126.60</u>	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:00	189	
	<u>126.60</u>	Roots Medium Lateral, at 9 o'clock, 45 %, within 8 inch: NO	00:06:23	190, b	M 3
	<u>126.60</u>	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:06:53	192, b	M 1
	<u>134.20</u>	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:07:26	194	
	<u>155.00</u>	Fracture Multiple, from 1 to 10 o'clock, within 8 inch: NO	00:20:35	195	S 4
	<u>155.50</u>	Roots Medium Joint, from 3 to 6 o'clock, 30 %, within 8 inch: YES	00:08:36	196, b	
	<u>166.30</u>	Roots Medium Joint, from 3 to 5 o'clock, 25 %, within 8 inch: YES	00:21:46	199, b	
	<u>171.30</u>	Roots Ball Joint, from 7 to 10 o'clock, 55 %, within 8 inch: YES	00:22:43	201, b	
	<u>188.20</u>	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:25:40	203	
	<u>222.60</u>	Manhole, within 8 inch: NO, Remarks: 1024-0017	00:27:01	204	
		1024-0017			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3121	4	6	10	4	2	2.5



Inspection report

Date: 20100518	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2523	PSR: 34340
Total Pipe Length: 165.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/14/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: JONQUIL FIELD RD	Flow Control: Not Controlled	Start MH: 1043-0014
City: WLV	Year Renewed:	End MH: 1043-0015
Location Code: Light Highway	Tape/Media #: R311-071	pipe length: 178.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0014/1043-0015/1043	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0014	00:00:32	457	
	7.90	Water Level, 5 %, within 8 inch: NO	00:01:12	458	M 2
	28.30	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:08	459	
	152.10	Fracture Multiple, from 4 to 9 o'clock, within 8 inch: YES	00:05:36	460, b	S 4
	178.60	Manhole, within 8 inch: NO, Remarks: 1043-0015	00:06:53	462	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2596	PSR: 34105
Total Pipe Length: 370.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: FOXFIELD DR	Flow Control: Not Controlled	Start MH: 1043-0276
City: WLV	Year Renewed:	End MH: 1043-0277
Location Code: Light Highway	Tap Media #: R311-075	pipe length: 351.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0276/1043-0277/1043	Lining Method:
	Category:

Remark::

1:875	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0276	00:00:28	1415	
	6.10	Water Level, 10 %, within 8 inch: NO	00:01:00	1416	M 2
	11.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:01:30	1417	
	69.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:03:12	1418	
	69.20	Roots Ball Lateral, at 12 o'clock, 75 %, within 8 inch: NO	00:03:30	1419, b	M 4
	69.20	Roots Fine Connection, at 12 o'clock, within 8 inch: NO	00:03:48	1421, b	M 1
	186.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:07:20	1423	
	291.50	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:11:24	1424	
	324.20	Fracture Multiple, from 9 to 2 o'clock, within 8 inch: YES	00:13:44	1425, b	S 4
	351.40	Manhole, within 8 inch: NO, Remarks: 1043-0277	00:16:21	1427	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4121	4	7	11	4	2.33	2.75



Inspection report

Date: 20100524	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2597	PSR: 34106
Total Pipe Length: 192.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 05/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: FOXFIELD DR	Flow Control: Not Controlled	Start MH: 1043-0277
City: WLV	Year Renewed:	End MH: 1043-0279
Location Code: Light Highway	Tap Media #: R311-075	pipe length: 173.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0277/1043-0279/1043	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0277	00:00:29	1428	
	3.00	Fracture Multiple, from 10 to 3 o'clock, within 8 inch: YES	00:01:17	1429, b	S 4
	7.70	Water Level, 5 %, within 8 inch: NO	00:02:09	1431	M 2
	12.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:38	1432	
	29.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:03:12	1433	
	116.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:24	1434	
	173.50	Manhole, within 8 inch: NO, Remarks: 1043-0279	00:07:26	1435	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2100	4	2	6	4	2	3



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

Inspection report

Date: 20100701	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3112	PSR: 34186
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 06/30/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0242
City: WLV	Year Renewed:	End MH: 1043-0241
Location Code: Easement/Right of Way	Tape/Media #: R311-102	pipe length: 27.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 18"/18"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0241/1043-0242/1043	Lining Method:
	Category:

Remark::

1:75	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0242	00:00:22	1243	
	6.00	Water Level, 30 %, within 8 inch: NO	00:02:43	1244	M 2
	23.20	Fracture Multiple, from 12 to 4 o'clock, within 8 inch: YES	00:04:09	1245, b	S 4
	24.80	Obstacle Rocks, from 3 to 9 o'clock, 40 %, within 8 inch: NO	00:05:50	1247, b	M 5
	27.80	Abandoned Survey, within 8 inch: NO, Remarks: Due To Obstacle Rocks	00:07:39	1249	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	5121	4	7	11	4	3.5	3.67



Inspection report

Date: 20100701	P.O.#: Y0TV0910A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3111	PSR: 34186
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: WLV	Clean Date: 06/30/2010	Pre-Cleaned: Jetting	Map Grid #: 1043

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1043-0241
City: WLV	Year Renewed:	End MH: 1043-0242
Location Code: Easement/Right of Way	Tape/Media #: R311-102	pipe length: 290.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 18"/18"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0241/1043-0242/1043	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1043-0241	00:00:25	1237	
	20.10	Water Level, 10 %, within 8 inch: NO	00:01:46	1238	M 2
	252.00	Water Level, 40 %, within 8 inch: NO	00:08:53	1239	M 2
	279.80	Roots Medium Joint, from 4 to 8 o'clock, 20 %, within 8 inch: YES	00:11:53	1240, b	
	290.70	Abandoned Survey, within 8 inch: NO, Remarks: Due To Debris In Line	00:17:54	1242	

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