

January 4, 2011

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations

FROM: Robert Swartz 
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0809D**

This memo 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 (CCTV) inspection of 38,974 feet or approximately 4.7 percent of the sewer system within Unincorporated County maintained by the District's North Yard.

The attached report outlines the structural and maintenance ratings of our system based on the Pipeline Assessment and Certification Program's 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)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)
- CCTV Sewer Inspection Project Schedule (Enclosure 5)

The Condition Assessment Report will provide details regarding the maintenance and structural condition of our sewer mainlines. This information can be included in our 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, in some instances, have been incorporated into our routine cleaning 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 the ongoing Accumulative Capital Outlay Project.

EL:

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Attach.

bc: RS, FV, File (Y0TV0809D)

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

PROJECT NAME:	Y0TV0809D	PROJECT MGR:	Eric Liu
PROJECT DATE:	07/08/2009	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	5	MAP PAGE(S):	1887
Report By:	Eric Liu	Report Date:	11/07/2010

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television (CCTV) inspection of 38,974 feet or approximately 4.7 percent of the Unincorporated Los Angeles County sewer system maintained by the District's North Yard.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0809D included sewer lines located in the Unincorporated County of Los Angeles area and in the Cities of Carson, Palmdale, Palos Verdes Estates and Rolling Hills Estates. Enclosed for your reference is an overview map of the project area within the unincorporated County area (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	Description	Estimate time to Failure
1:	EXCELLENT: Minor Defects.	Unlikely in the foreseeable future
2:	GOOD: Defects that have not begun to deteriorate.	20 years or more
3:	FAIR: Moderate defects that will continue to deteriorate.	10 to 20 years
4:	POOR: Severe defects that will become grade 5 defects within the foreseeable future.	5 to 10 years
5:	IMMEDIATE ATTENTION: Defects requiring immediate attention.	Has failed or will likely fail within the next 5 years

MAINTENANCE REPORT

Our inspection revealed that approximately 53.3 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 46.7 percent of the inspected pipe segments within the Unincorporated County of Los Angeles area had a PACP maintenance grade of 3, 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

Also included on this list are deficiencies discovered inside 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. A letter will be sent to the lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

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: Excellent	15,302	39.3	59
2: Good	1,215	3.1	5
3: Fair	4,260	10.9	15
4: Poor	18,197	46.7	62
5: Immediate Attention	0	0.0	0
TOTAL	38,974	100.0	141

High Water Levels

Our inspection revealed that approximately 97.2 percent of the system televised has adequate capacity. However, the remaining 2.8 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 of camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50% 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% or greater due to heavy flows in adjoining pipes, a restriction 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. All sewer pipes where Water Level, Water Mark, and miscellaneous remarks of camera

underwater or sags in the line are at or above 50% 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 infiltration was not detected in any pipe segment in the unincorporated County area.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 97.8 percent of the inspected pipe segments within the Unincorporated County of Los Angeles were free of severe structural defects. However, the remaining 2.2 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. Items 1 through 3 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method 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 3 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	32,322	82.9	117
2: Good	3,078	7.9	11
3: Fair	2,732	7.0	10
4: Poor	545	1.4	2
5: Immediate Attention	297	0.8	1
TOTAL	38,974	100.0	141

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the Unincorporated County of Los Angeles maintained by the North Yard. For your reference, the CCTV Sewer Inspection project schedule is listed in Enclosure 5.

ENCLOSURE 1:

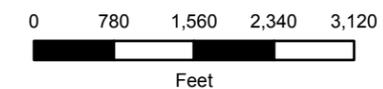
Project Overview Map

OVERVIEW MAP

COUNTY
UNINCORPORATED

CCTV PROJECT
Y0TV0809D

Cities of Carson, Palmdale,
Palos Verdes Estates,
Rolling Hill Estates &
County Unincorporated



Legend

SMD Sanitary Sewers

- 8
- 10
- 12
- 15
- 18

SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon

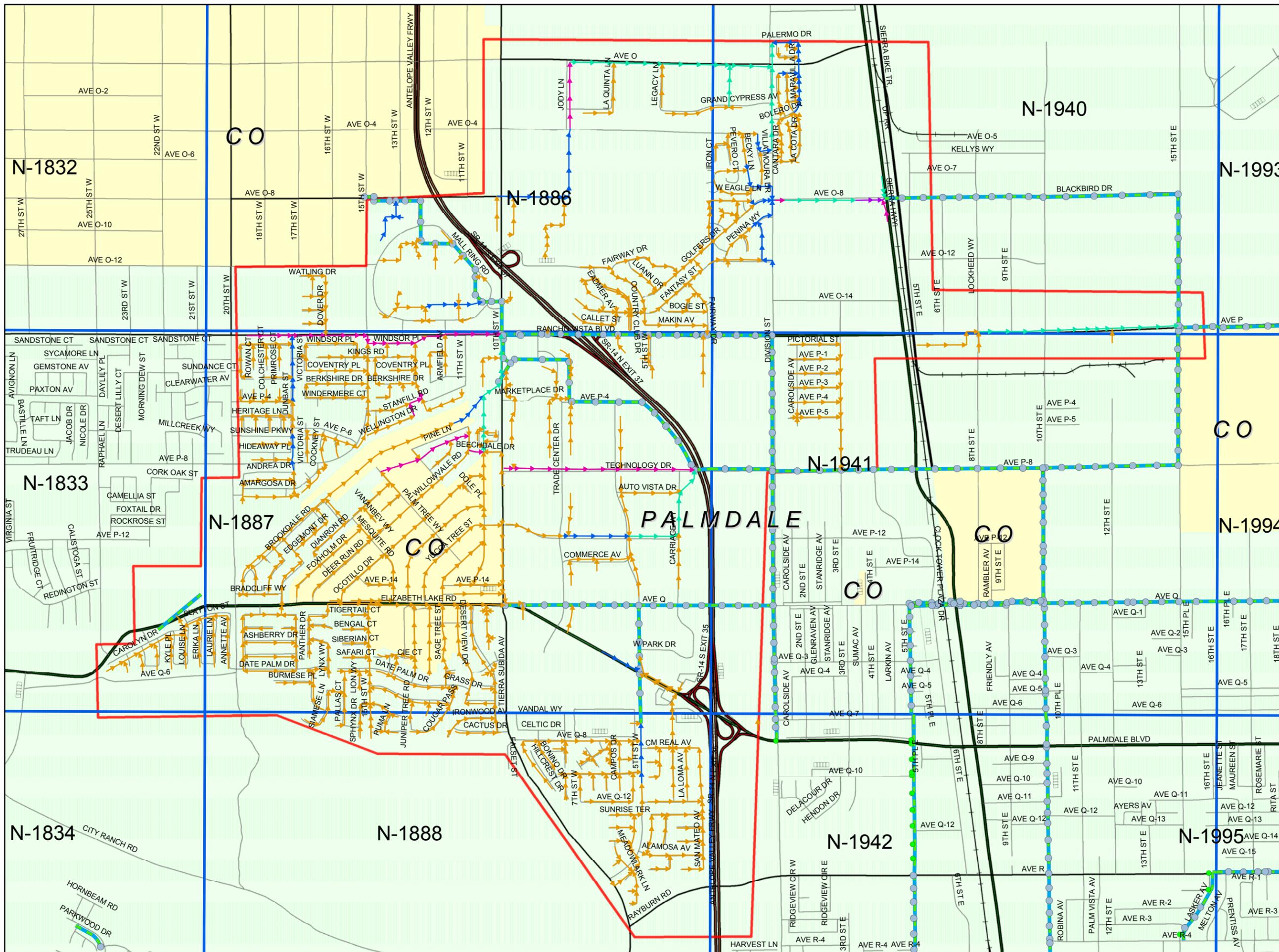
WTP SMD Treatment Plants

Maintained by Others:

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

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OCTOBER 2010



ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
COUNTY UNINCORPORATED (Y0TV0809D)

as of 07.08.09

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN
1	4731	1887-0142	1887-0141	YUCCA TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
2	4536	1887-0083	1887-0084	DEER RUN RD	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
3	4534	1887-0147	1887-0146	YUCCA TREE ST	Roots; Root ball lateral; Deposit settled	Letter to homeowner; hydro (11/13/09)
4	4531	1887-0145	1887-0144	YUCCA TREE ST	Root ball lateral	Letter to homeowner
5	4439	1887-0151	1887-0152	SAGE TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
6	4435	1887-0143	1887-0142	YUCCA TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
7	441A	1887-0155	1887-0158	11TH ST W	Root ball lateral	Letter to homeowner
8	4339	1887-0150	1887-0151	SAGE TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
9	4338	1887-0086	1887-0087	DEER RUN RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/22/09)
10	4337	1887-0085	1887-0086	DEER RUN RD	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
11	4333	1887-0107	1887-0106	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
12	4332	1887-0153	1887-0152	SAGE TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
13	4331	1887-0106	1887-0105	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
14	4331	1887-0105	1887-0103	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
15	4331	1887-0127	1887-0128	JUNIPER TREE RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/04/09)
16	431B	1887-0169	1887-0168	ALLEY	Roots; Root ball lateral	Letter to homeowner; hydro (12/11/09)
17	4315	1887-0135	1887-0101	11TH ST W	Roots; Root ball lateral; Hole: MH 101	Letter to homeowner; hydro (12/11/09)
18	4300	1887-0255	1887-0254	Easement by BROOKDALE & KENSINGTON	Camera under water (sag)	Hydro (12/24/09)
19	4233	1887-0109	1887-0108	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
20	4233	1887-0146	1887-0145	YUCCA TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
21	4232	1887-0126	1887-0127	JUNIPER TREE RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/04/09)
22	4232	1887-0114	1887-0113	OCOTILLO DR	Root ball lateral	Letter to homeowner
23	4231	1887-0139	1887-0138	11TH ST W	Roots; Root ball lateral	Letter to homeowner; hydro (12/11/09)
24	4231	1887-0154	1887-0153	11TH ST W	Deposits; Root ball lateral	Letter to homeowner; hydro (12/11/09)
25	4231	1887-0187	1887-0188	SAGE TREE ST	Root ball lateral	Letter to homeowner
26	4221	1887-0184	1887-0185	SAGE TREE ST	Deposit attached grease; Root ball lateral	Letter to homeowner; hydro (12/08/09)
27	4219	1887-0113	1887-0112	OCOTILLO DR	Root ball lateral	Letter to homeowner
28	4212	1887-0164	1887-0163	10TH ST W	Root ball lateral	Letter to homeowner
29	4137	1887-0084	1887-0085	DEER RUN RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/08/09)
30	4136	1887-0082	1887-0081	FOXHOLM DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
31	4135	1887-0078	1887-0077	FOXHOLM DR	Roots; Root ball lateral	Letter to homeowner; hydro (12/04/09)
32	4134	1887-0090	1887-0091	DEER RUN RD	Roots; Debris; Camera under water (sag)	Hydro (12/22/09)
33	4134	1887-0148	1887-0149	SAGE TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
34	4134	1887-0122	1887-0121	AVE P-14	Roots; Root ball lateral	Letter to homeowner; hydro (12/08/09)
35	4132	1887-0149	1887-0150	SAGE TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
36	4132	1887-0124	1887-0111	MESQUITE RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/11/09)
37	4132	1887-0131	1887-0132	JUNIPER TREE RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/04/09)
38	4131	1887-0110	1887-0111	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
COUNTY UNINCORPORATED (Y0TV0809D)

as of 07.08.09

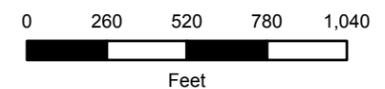
39	4131	1887-0110	1887-0109	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
40	4131	1887-0192	1887-0191	YUCCA TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
41	4131	1887-0120	1887-0124	MESQUITE RD	Root ball lateral	Letter to homeowner
42	4131	1887-0103	1887-0102	OCOTILLO DR	Root ball lateral	Letter to homeowner
43	4131	1887-0101	1887-0100	11TH ST W	Root ball lateral	Letter to homeowner
44	4131	1887-0100	1887-0053	11TH ST W	Root ball lateral	Letter to homeowner
45	4131	1887-0162	1887-0163	10TH ST W	Root ball lateral	Letter to homeowner
46	4131	1887-0154	1887-0155	11TH ST W	Root ball lateral	Letter to homeowner
47	4127	1887-0186	1887-0187	SAGE TREE ST	Deposits; Grease	Letter to homeowner; hydro (12/08/09)
48	4122	1887-0089	1887-0090	Easement by DEERRUN & MESQUITE	Deposit attached grease; Root ball lateral	Letter to homeowner; hydro (12/08/09)
49	411E	1887-0180	1887-0179	DESERT VIEW DR	Roots; Root ball lateral	Letter to homeowner; hydro (12/22/09)
50	411C	1887-0143	1887-0144	YUCCA TREE ST	Roots; Root ball lateral	Letter to homeowner; hydro (11/13/09)
51	411B	1887-0190	1887-0189	YUCCA TREE ST	Root ball lateral	Letter to homeowner
52	411A	1887-0170	1887-0169	ALLEY	Root ball lateral	Letter to homeowner
53	411A	1887-0153	1887-0140	11TH ST W	Root ball lateral	Letter to homeowner
54	411A	1887-0178	1887-0177	DESERT VIEW DR	Root ball lateral	Letter to homeowner
55	4118	1887-0112	1887-0111	OCOTILLO DR	Roots; Root ball lateral	Letter to homeowner; hydro (11/20/09)
56	4114	1887-0103	1887-0104	DOLE PL	Root ball lateral	Letter to homeowner
57	4113	1887-0129	1887-0130	JUNIPER TREE RD	Root ball lateral	Letter to homeowner
58	4113	1887-0140	1887-0161	YUCCA TREE ST	Root ball lateral	Letter to homeowner
59	4112	1887-0117	1887-0118	ELIZABETH LAKE RD	Roots; Root ball lateral	Letter to homeowner; hydro (12/24/09)
60	4112	1887-0118	1887-0371	ELIZABETH LAKE RD	Intruding sealing	Hydro (12/24/09)
61	4100	1887-0200	1887-0173	EASEMENT by WILLOWVALE & PINE	Camera under water (sag); Plumber: 45'	Hydro (12/24/09)
62	4100	1887-0102	1887-0101	OCOTILLO DR	Root ball lateral	Letter to homeowner
63	361E	1887-0188	1887-0177	ELIZABETH LAKE RD	Roots; high water level (sag)	Hydro (12/24/09)
64	361B	1887-0080	1887-0081	FOXHOLM DR	Roots	Hydro (12/04/09)
65	3421	1887-0080	1887-0079	FOXHOLM DR	Roots	Hydro (12/04/09)
66	341F	1887-0078	1887-0079	FOXHOLM DR	Roots	Hydro (12/04/09)
67	3323	1887-0134	1887-0135	11TH ST W	Deposit attached grease; Roots; Root medium lateral	Letter to homeowner; hydro (12/11/09)
68	321B	1887-0141	1887-0140	YUCCA TREE ST	Roots; Root medium lateral	Letter to homeowner; hydro (11/13/09)
69	3219	1887-0156	1887-0157	AVE P-14	Root medium lateral	Letter to homeowner
70	311D	1887-0077	1887-0076	FOXHOLM DR	Roots; Deposit settled	Hydro (12/04/09)
71	311C	1887-0191	1887-0190	YUCCA TREE ST	Roots; Root medium lateral	Letter to homeowner; hydro (11/13/09)
72	311A	1887-0157	1887-0158	AVE P-14	Roots; Root medium lateral	Letter to homeowner; hydro (12/08/09)
73	3117	1887-0128	1887-0129	JUNIPER TREE RD	Root medium lateral	Letter to homeowner
74	3115	1887-0120	1887-0119	MESQUITE RD	Root medium lateral	Letter to homeowner
75	3114	1887-0159	1887-0165	AVE P-14	Roots; Root medium lateral; Fracture multiple: 230'	Letter to homeowner; hydro (12/08/09)
76	3113	1887-0371	1887-0119	ELIZABETH LAKE RD	Roots; Root medium lateral	Letter to homeowner; hydro (12/24/09)
77	3111	1887-0158	1887-0159	AVE P-14	Root medium lateral	Letter to homeowner

ENCLOSURE 2

CCTV PROJECT Y0TV0809D

COUNTY
UNINCORPORATED

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers QMR

- 1: EXCELLENT (Green line)
- 2: GOOD (Blue line)
- 3: FAIR (Yellow line)
- 4: POOR (Pink line)

SMD Manholes

- Other (Circle with cross)
- Manhole Type
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)

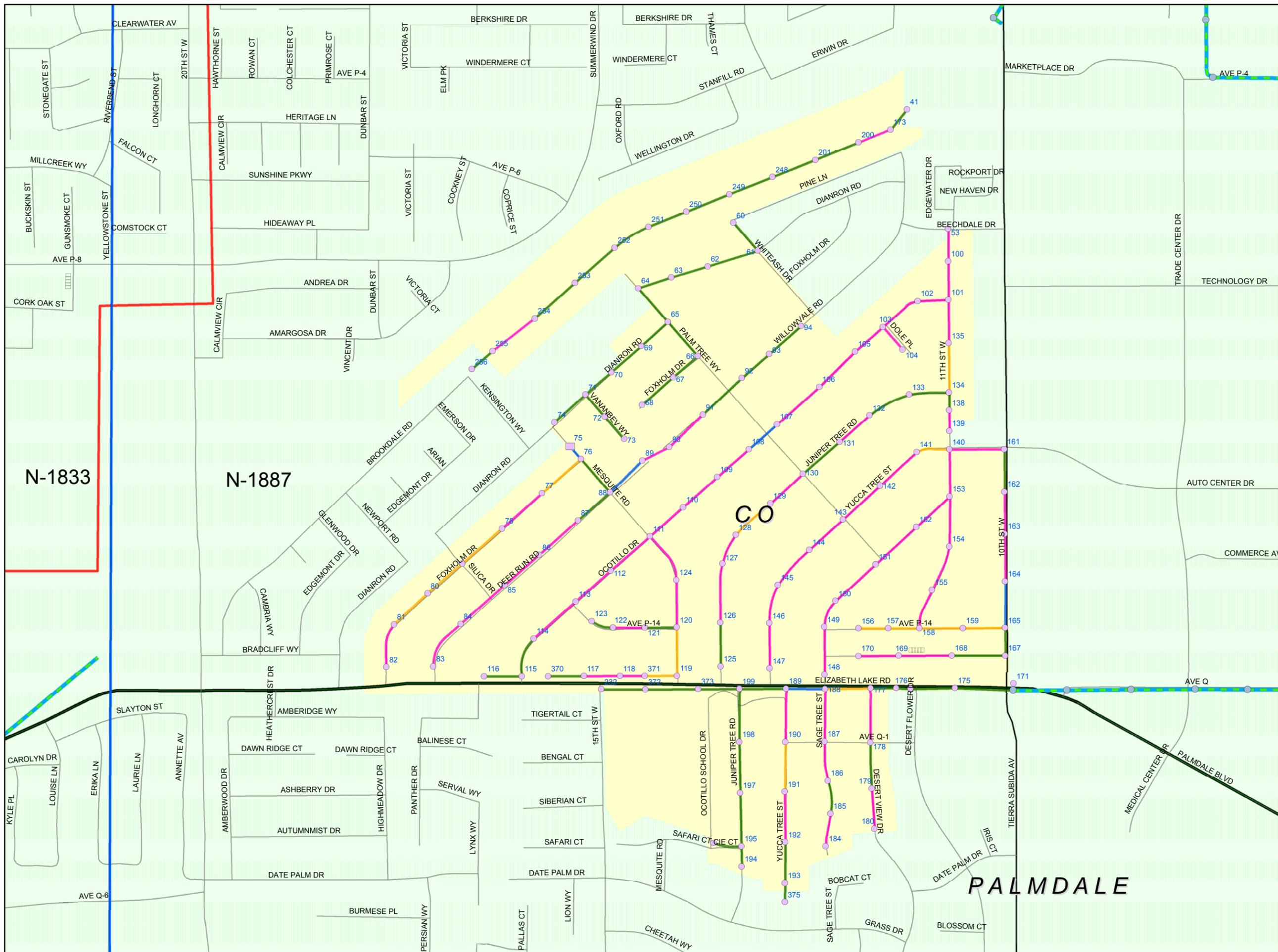
WTP SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green circle)
- SMD Operations Maps (Blue outline)
- CCTV PROJECT AREA (Red outline)

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OCTOBER 2010



N-1833

N-1887

CO

PALMDALE

ENCLOSURE 2
HIGH WATER LEVELS
COUNTY UNINCORPORATED (Y0TV0809D)
as of 07/08/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	SAG (ft)
1	4300	1887-0255	1887-0254	Easement by BROOKDALE & KENSINGTON	High water level, camera under water(sag)	(30%-80%): 220'-307' 87
2	4134	1887-0090	1887-0091	DEER RUN RD	Camera under water(sag); high water mark	(30%-80%): 5'-105', 180'-260' 180
3	4100	1887-0200	1887-0173	EASEMENT by WILLOWVALE & PINE	Camera under water (sag)	(30%-80%): 65'-140' 75
4	361E	1887-0188	1887-0177	ELIZABETH LAKE RD	High water level (sag)	(30%-50%): 222'-240' 18

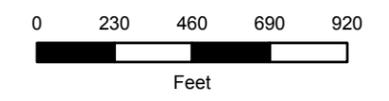
ENCLOSURE 2

CCTV PROJECT

Y0TV0809D

COUNTY
UNINCORPORATED

HIGH WATER LEVELS

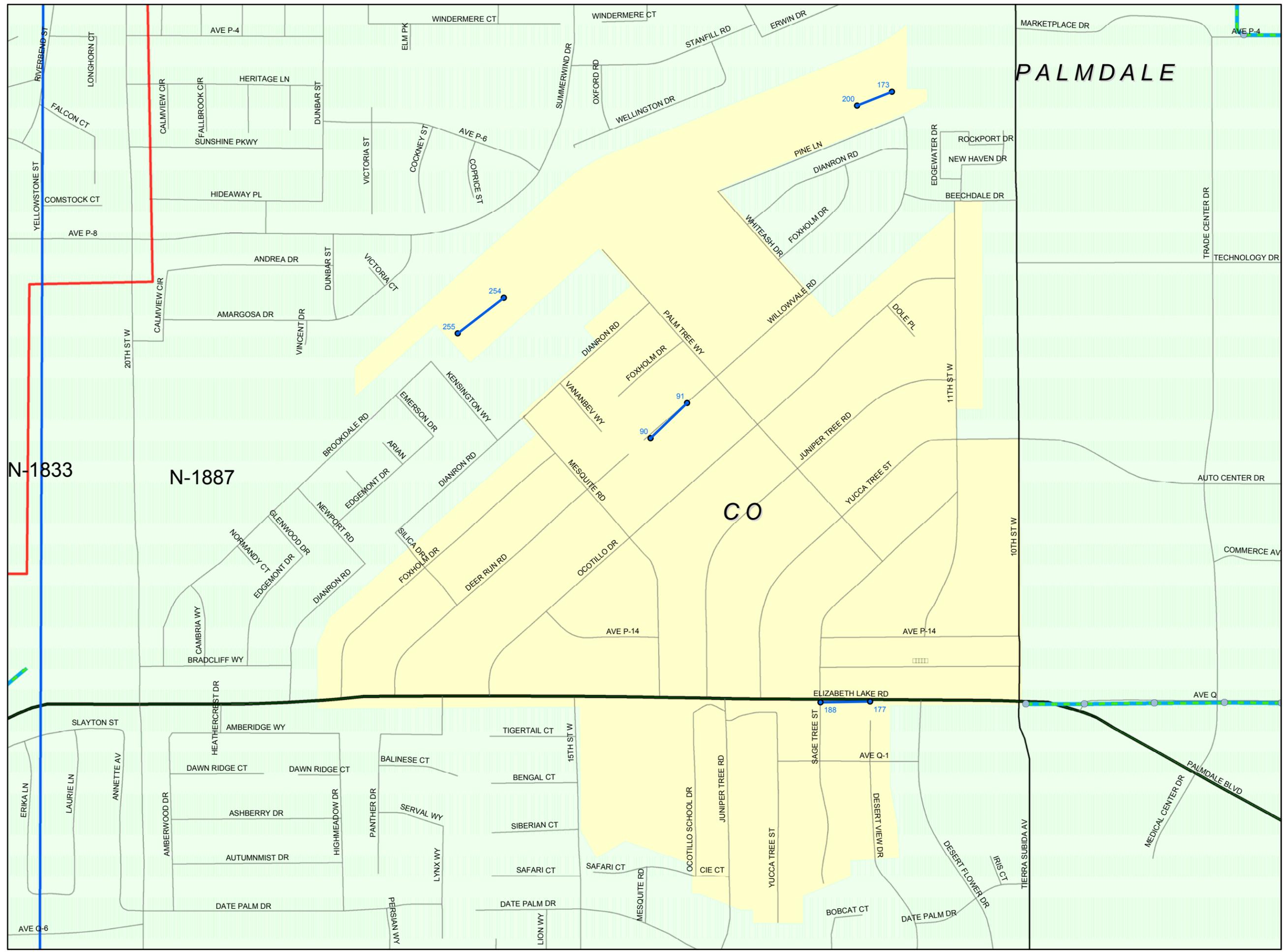


Legend

- High Water Levels
- SMD Manholes**
 - Other
- Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - MH: High Water Levels
- 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 2010



N-1833

N-1887

CO

PALMDALE



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

August 19, 2010

Current Property Owner
3476 Marengo Ave
Altadena, CA 91001

Dear Property Owner:

SEWER LATERAL ROOT INTRUSION 3476 MARENGO AVE, ALTADENA, CALIFORNIA 91001

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 letter informing you that the sewer lateral serving the property located at 3476 Marengo Ave, Altadena, California 91001, requires maintenance and is in violation of **County Code 20.24.080 Maintenance of Sewer Laterals**, which states:

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

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner
August 19, 2010
Page 2

your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup. Failure to do so may result in future overflows and subject you to civil prosecution, reimbursement costs, and fines up to \$1,000. Reference 20.24.160 Violation - Penalty; 20.24.170 Continued violations; 20.32.690 Reimbursement for repairs and maintenance following violations.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at (626) 446-5227 to arrange for authorization to access the downstream manhole.

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

After your lateral has been serviced, please notify the District office, Mr. Fernando Villaluna, Sewer Maintenance Division, at (626) 300-3380 or fvillalun@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

JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

PK:

Enc.

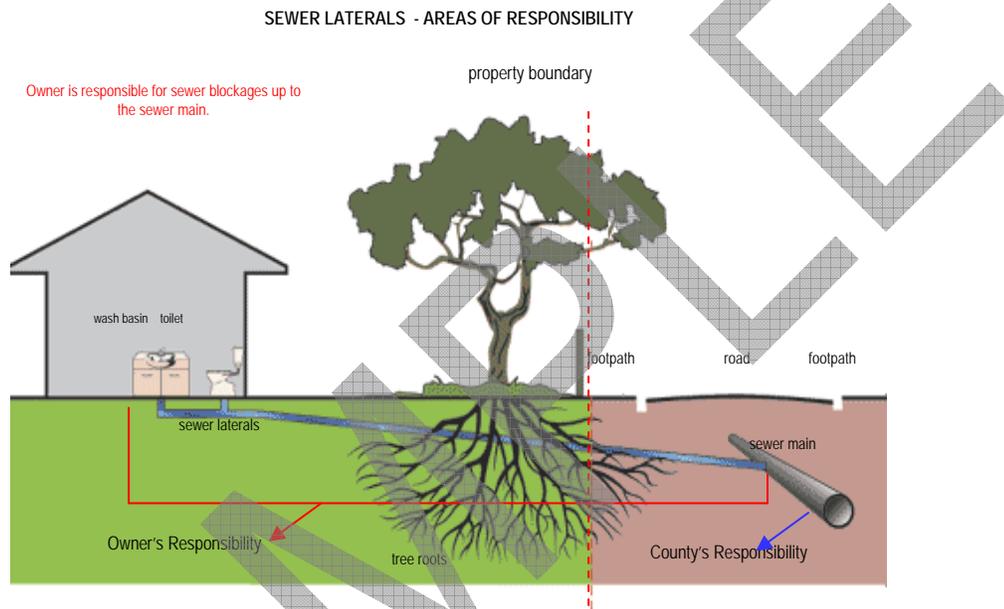
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

3476 MARENGO AVE
ALTADENA
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 that portion that may be located within the public right of way (under the asphalt and street landscaping).



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

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

The three methods we suggest are:

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

ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
COUNTY UNINCORPORATED (Y0TV0809D)

as of 07/08/09

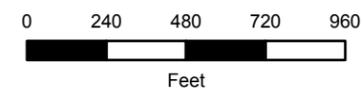
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5100	1887-0082	1887-0081	FOXHOLM DR	Hole and broken with soil visible: 20'	Point Repair (North Yard)	
2	4112	1887-0110	1887-0109	OCOTILLO DR	Fractures: 5'	Structural integrity intact. No action needed.	
3	4131	1887-0108	1887-0107	OCOTILLO DR	Broken fractures: 60'	Point Repair (North Yard)	

ENCLOSURE 3

CCTV PROJECT Y0TV0809D

COUNTY
UNINCORPORATED

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

- QSR**
- 1: EXCELLENT (Green line)
 - 2: GOOD (Blue line)
 - 3: FAIR (Orange line)
 - 4: POOR (Pink line)
 - 5: IMMEDIATE ATTENTION (Red line)

SMD Manholes

- Other (Circle with cross)
- Manhole Type
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with X)

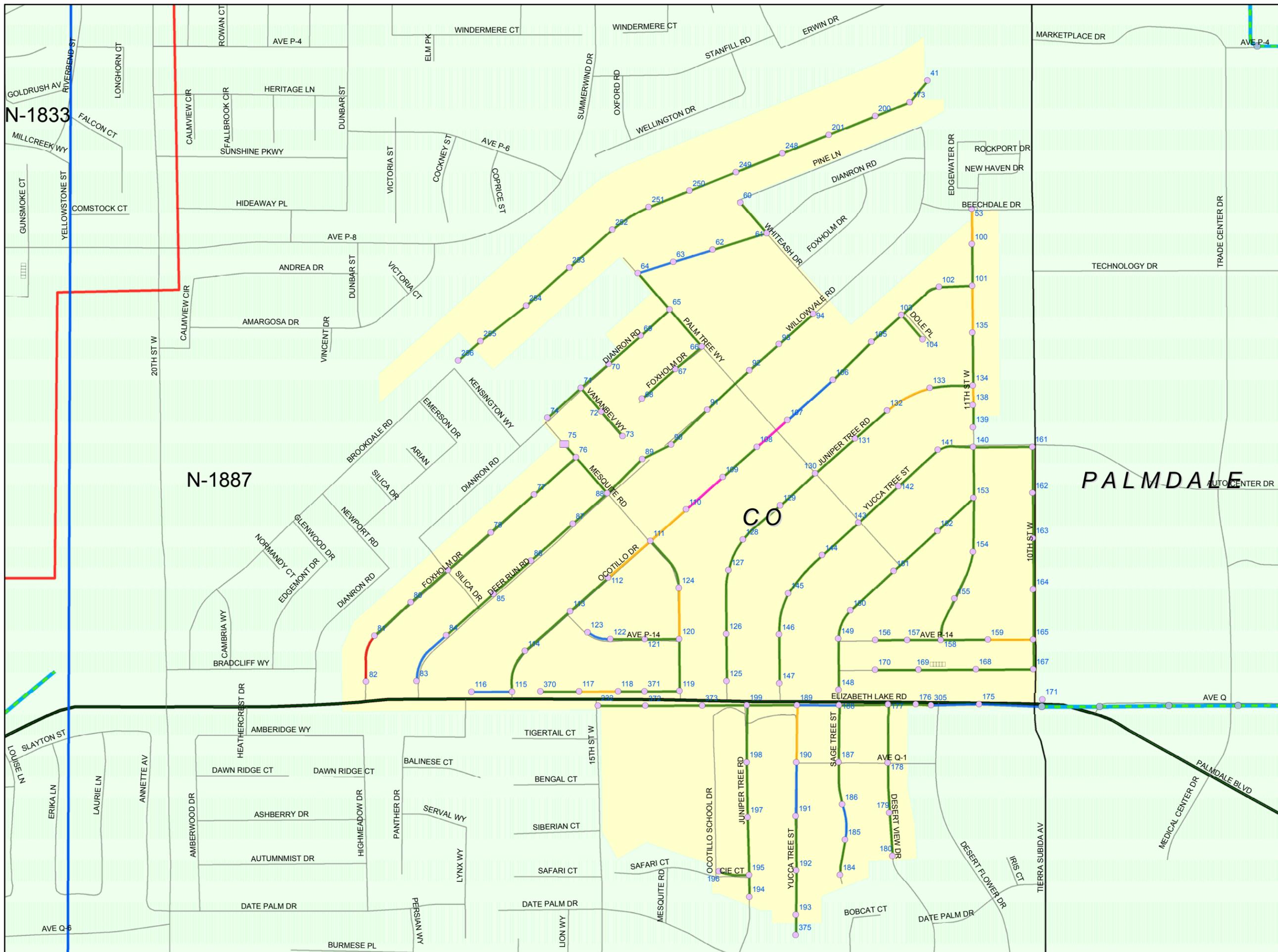
WTP SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines (Thick blue line)
- Non SMD Sanitary Sewers (Dashed green line)
- Non SMD Maintained MH (Green dot)
- SMD Operations Maps (Blue outline)
- CCTV PROJECT AREA (Red outline)

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OCTOBER 2010



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20090223	P.O.☐ Y0TV0809D	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 2015	PSR: 49377
Total Pipe Length: 297.00	Survey Customer: LACDPW	System Owner: PLM	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐

Street: FOXHOLM DR	Flow Control: Not Controlled	Start MH: 1887-0082
City: ZLAN	Year Renewed	End MH: 1887-0081
Location Code: Light Highway	Tape/Media ☐ A315-011	pipe length: 267.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0081 1887-0082 1887	Lining Method:
	Category:

Remark::

1:396	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1887-0082	00:00:28	1954	
	6.00	Water Level, 5 ☐, within 8 inch: NO	00:01:17	1955	M 2
	6.00	Water Mark, 10 ☐, within 8 inch: NO	00:01:24	1956	M 2
	7.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:01:41	1957	
	20.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:20	1958	
	20.50	Broken Soil Visible, from 12 to 12 o'clock, within 8 inch: NO	00:02:57	1959, b	S 5
	68.50	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:05:19	1962, b	
	74.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:56	1964	
	74.60	Roots Medium Lateral, at 3 o'clock, 15 ☐, within 8 inch: NO	00:06:14	1965, b	M 3
	91.60	Roots Fine Joint, from 1 to 8 o'clock, within 8 inch: YES	00:07:17	1967, b	
	96.70	Roots Fine Joint, from 12 to 5 o'clock, within 8 inch: YES	00:07:54	1969, b	
	101.60	Roots Fine Joint, from 3 to 10 o'clock, within 8 inch: YES	00:08:26	1971, b	
	102.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:03	1973	
	102.80	Roots Medium Lateral, at 9 o'clock, 35 ☐, within 8 inch: NO	00:09:28	1974, b	M 3
	109.40	Roots Medium Joint, from 2 to 10 o'clock, 10 ☐, within 8 inch: YES	00:10:17	1976, b	
	114.60	Roots Fine Joint, from 2 to 8 o'clock, within 8 inch: YES	00:10:58	1978, b	
	119.60	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:11:39	1980, b	
	124.80	Roots Medium Joint, from 7 to 11 o'clock, 5 ☐, within 8 inch: YES	00:12:16	1982, b	
	130.00	Roots Fine Joint, from 4 to 10 o'clock, within 8 inch: YES	00:12:54	1984, b	
	135.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:13:40	1986, b	
	151.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:02	1990	
	151.90	Roots Medium Lateral, at 3 o'clock, 10 ☐, within 8 inch: NO	00:15:29	1991, b	M 3
	164.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:46	1993	
	164.70	Roots Medium Lateral, at 9 o'clock, 15 ☐, within 8 inch: NO	00:17:00	1994, b	M 3



Inspection report

Date: 20090219	P.O.☐	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2969	PSR: 49278
Total Pipe Length: 298.00	Survey Customer: LACDPW	System Owner: PLM	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐

Street: OCOTILLO DR	Flow Control: Not Controlled	Start MH: 1887-0110
City: ZLAN	Year Renewed	End MH: 1887-0109
Location Code: Light Highway	Tape Media ☐ R001-018	pipe length: 299.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0109 1887-0110 1887	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1887-0110	00:00:31	3329	
	<u>5.70</u>	Fracture Multiple, from 8 to 12 o'clock, within 8 inch: YES	00:2:10	3330, b	S 4
	7.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:55	3332	
	<u>12.20</u>	Water Level, 5 ☐, within 8 inch: NO	00:03:13	3333	M 2
	15.20	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:03:33	3334	
	20.10	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:03:53	3335	
	57.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:54	3336	
	<u>68.50</u>	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:05:35	3337, b	S 1
	69.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:07	3339	
	<u>69.50</u>	Roots Fine Lateral, at 2 o'clock, within 8 inch: NO	00:06:19	3340, b	M 1
	101.10	Roots Fine Joint, from 2 to 9 o'clock, within 8 inch: YES	00:07:22	3342, b	
	116.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:8:10	3344	
	<u>116.10</u>	Roots Fine Connection, at 10 o'clock, within 8 inch: NO	00:08:23	3345, b	M 1
	117.20	Roots Fine Joint, from 9 to 1 o'clock, within 8 inch: YES	00:08:58	3347, b	
	135.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:09:50	3349	
	<u>135.60</u>	Roots Ball Connection, at 2 o'clock, 70 ☐, within 8 inch: NO	00:10:07	3350, b	M 4
	<u>184.20</u>	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:11:45	3352, b	S 1
	185.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:14	3354	
	<u>185.60</u>	Roots Medium Connection, at 2 o'clock, 45 ☐, within 8 inch: NO	00:12:28	3355, b	M 3
	188.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:13:02	3357	
	238.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:20	3358	
	254.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:14:56	3359	
	299.60	Manhole, within 8 inch: NO, Remarks: 1887-0109	00:16:23	3360	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4112	4131	6	11	17	2	2.2	2.13

ENCLOSURE 5:

CCTV Sewer Inspection Project Schedule

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within Unincorporated North Yard according to the following schedule.

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2005-2006	Y0TV0506F	13,681	1.7	COMPLETED
2008-2009	Y0TV0809D	38,974	4.7	COMPLETED
2009-2010	Y0TV0910A	9,156	1.1	COMPLETED
2009-2010	Y0TV0910D	20,651	2.5	IN PROGRESS
2010-2011	Y0TV1011A	7,495	0.9	SCHEDULED
2012-2013	Y0TV1213A	97,816	11.9	FUTURE
2012-2013	Y0TV1213B	95,601	11.6	FUTURE
2013-2014	5_6	48,294	5.9	FUTURE
2014-2015	5_2	137,323	16.6	FUTURE
2014-2015	5_5	7,440	0.9	FUTURE
2015-2016	3_2	56,747	6.9	FUTURE
2015-2016	5_1	108,168	13.1	FUTURE
2015-2016	5_10	180,026	21.8	FUTURE
9999-9999	-	3,449	0.4	FUTURE
TOTAL		824,821	100.0	