



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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GAIL FARBER, Director

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P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

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

February 3, 2011

Mr. William Galvez, Director of Public Works
14403 E. Pacific Avenue
Baldwin Park, California 91706-4297

Attention Mr. Michael Salas

Dear Mr. Galvez:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT Y0TV0809A

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 (CCTV) inspection of 291,733 feet or 53.4 percent of the City of Baldwin Park'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) 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)

Mr. William Galvez
February 3, 2011
Page 2

The Condition Assessment Report provides you with details regarding the maintenance and structural condition of your City's sewer mainlines. This information can 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, in some instances, 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.

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, 7 a.m. to 4 p.m., or rswartz@dpw.lacounty.gov

Very truly yours,

GAIL FARBER
Director of Public Works



KEITH E. LEHTO
Assistant Deputy Director
Sewer Maintenance Division

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Enc

bc: Programs Development (Manning)
KL, MM, RS, FV, File (Project YOTV0809A), SPINDLE

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

PROJECT NAME:	Y0TV0809A	PROJECT MGR:	Phyo Kyaw
PROJECT DATE:	08/11/08-01/23/09	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	1	MAP PAGE(S):	2168,2169,2214,2215
Report By:	Hanna Kebede	Report Date:	09/23/2010

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 291,733 feet or approximately 53.4 percent of the City of Baldwin Park's sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0809A included sewer lines located in Cities of Baldwin Park, Rosemead, and Temple City and in the Unincorporated County of Los Angeles area. 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	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 90.3 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 9.7percent of the inspected pipe segments within the City of Baldwin Park area had a PACP maintenance grade of 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).

Included on the maintenance list are deficiencies discovered inside the lateral connection to the mainline. The District does not maintain lateral lines; it is the responsibility of the parcel 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: <i>Excellent</i>	188,266	64.5	833
2: <i>Good</i>	42,012	14.4	175
3: <i>Fair</i>	33,279	11.4	132
4: <i>Poor</i>	26,996	9.3	103
5: <i>Immediate Attention</i>	1,180	0.4	5
TOTAL	291,733	100.0	1,248

High Water Levels

Our inspection revealed that approximately 98.5 percent of the system televised has adequate capacity. However, the remaining 1.5 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 temporary stoppage due to debris in the sewer lines, or a sag in the line. Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any. 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 your City's system.

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

STRUCTURAL REPORT

Our inspection revealed that approximately 99.1 percent of the inspected pipe segments within the City of Baldwin Park were free of severe structural defects. However, the remaining 0.9 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 14 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 reports for these fourteen segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	256,415	87.9	1,100
2: Good	25,877	8.9	107
3: Fair	6,619	2.3	27
4: Poor	1,252	0.4	6
5: Immediate Attention	1,570	0.5	8
TOTAL	291,733	100.0	1,248

FUTURE PROJECTS

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

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2008-2009	Y0TV0809A	291,733	53.4	COMPLETE
2011-2012	1□9	113,176	20.7	FUTURE
2014-2015	1□6	141,688	25.9	FUTURE
TOTAL		546,597	100.0	

ENCLOSURE 1:

Project Overview Map

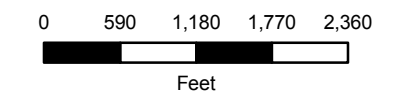
OVERVIEW MAP

BALDWIN PARK









CCTV PROJECT

Y0TV0809A

Supervisorial District 1&5
Cities of Baldwin Park, Temple City, Rosemead & County Unincorporated

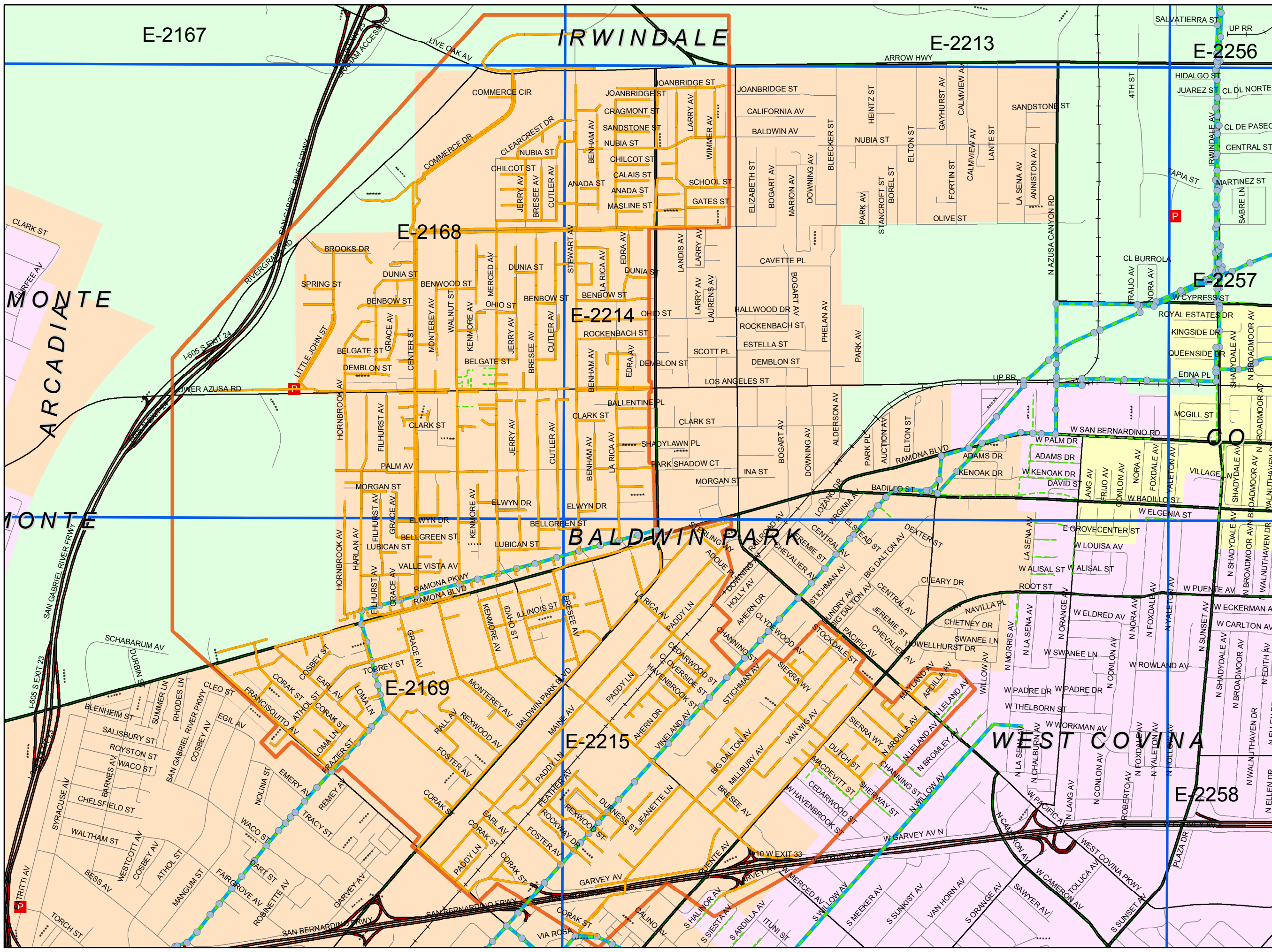


Legend

-  SMD Sanitary Sewers
-  SMD Treatment Plants
- Maintained by Others:**
-  Trunk Sewerlines
-  Non SMD Sanitary Sewers
-  SMD Pump Satations
-  Non SMD Maintained MH
-  SMD Operations Maps
-  Y0TV0809A

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SEPTEMBER 2010



ENCLOSURE 2:

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

ENCLOSURE 2
 QUICK MAINTENANCE REPORT PRIORITY LIST
 CITY OF BALDWIN PARK (Y0TV0809A)
 as of 01/23/09

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken	Date of Completion
1	5141	2214-0141	2214-0142	OHIO ST	Roots □ high flow	Millcutter	06/08/2009
2	5141	2214-0056	2214-0055	JOANBRIDGE ST	Heavy roots	Rodder	11/18/2008
3	5134	2214-0019	2214-C.O.	NUBIA ST	Root ball	Rodder	08/10/2010
4	5121	2215-0141	2215-0158	GARVEY AV	Heavy grease	Hydrojet	06/08/2009
5	5121	2214-0241A	2214-0697	LA RICA AVE	Heavy grease	Hydrojet	08/10/2010
6	4100	2168-0112	2168-0111	PALM AV	Sag (high water level)	Hydrojet	11/02/2010
7	4G3A	2169-0489	2169-0471	FRAZIER ST	Roots □ high water level (sag)	Hydrojet	05/18/2010
8	4A3D	2168-0255	2168-0242	OHIO ST	High flow	Hydrojet	09/24/2009
9	4A00	2215-0148	2215-0149	BIG DALTON AV	Sag (high water level)	Hydrojet	11/03/2010
10	4A00	2168-0101	2168-0097	HARLAN AV	Sag (high water level)	Hydrojet	11/03/2010
11	4A00	2168-0111	2168-0101	HARLAN AV	Sag (high water level)	Hydrojet	11/03/2010
12	4700	2215-0324	2215-0293	MERCED AV	High flow	Hydrojet	06/08/2009
13	463G	2169-0490	2169-0489	FRAZIER ST	Root ball	Hydrojet	05/18/2010
14	453C	2215-0025	2215-0026	BALDWIN PARK BV	Heavy grease □ roots	Rodder	01/28/2010
15	4433	2215-0110	2215-0279	BRESEE PL	Heavy roots	Rodder	01/28/2010
16	4336	2215-0113	2215-0112	JEANETTE LN	Roots	Rodder	01/28/2010
17	4335	2215-0092	2215-0093	MOSSBERG ST	Roots	Rodder	01/08/2010
18	4334	2215-0045	2215-0044	STERLING DR	Roots	Rodder	01/28/2010
19	4334	2215-0046	2215-0045	STERLING DR	Roots	Rodder	01/28/2010
20	4334	2214-0054	2214-0053	MASLINE ST	Roots	Rodder	02/11/2010
21	4333	2215-0259	2215-0280	MILLBURY AV	Roots	Rodder	01/28/2010
22	4332	2169-0518	2169-0519	GRACE AV	Roots	Hydrojet	05/18/2010
23	4332	2168-0182	2168-0181	DUNIA ST	Root balls	Hydrojet	05/19/2010
24	4332	2168-0156	2168-0155	HORN BROOK AV	Grease □ roots	Hydrojet	05/19/2010
25	4331	2214-0020	2214-0018	BENHAM AV	Root ball and obstacles	Rodder	05/26/2010
26	4331	2169-0151	2169-0150	FRANCISQUITO AVE	Roots	Hydrojet	05/18/2010
27	4331	2168-0182	2168-0186	DUNIA ST	Roots □ obstacles	Hydrojet	05/19/2010
28	4331	2215-0042-A	2215-0042	BALDWIN PARK BV	Root ball in lateral connection	Lateral notice will be sent to property owner	
29	4315	2215-0010	2215-0009	RAMONA BV	Root ball in lateral connection	Lateral notice will be sent to property owner	
30	423N	2214-0146	2214-0145	ROCKENBACH ST	Roots	Rodder	01/28/2010
31	421G	2215-0112	2215-0111	JEANETTE LN	Root ball in lateral connection	Lateral notice will be sent to property owner	
32	4238	2215-0315	2215-0327	PUENTE AV	Roots	Rodder	06/08/2009
33	4237	2214-0038	2214-0037	NUBIA ST	Heavy grease □ roots	Rodder	01/28/2010
34	4234	2215-0055	2215-0054	MAINE AVE	Roots	Rodder	05/26/2010
35	4233	2214-0141	2214-0140	OHIO ST	Roots	Rodder	02/10/2010
36	4233	2214-0120	2214-0113	BROOKPORT ST	Roots	Rodder	02/10/2010
37	4232	2215-0045	2215-0046	STERLING DR	Roots	Rodder	01/28/2010
38	4232	2214-0009	2214-0010	STEWART ST	Roots	Rodder	02/11/2010
39	4232	2214-0140	2214-0139	OHIO ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
40	4231	2214-0042	2214-0038	NUBIA ST	Roots	Rodder	01/28/2010

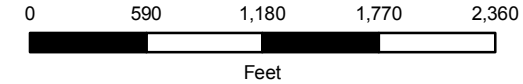
Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken	Date of Completion
41	4231	2214-0052	2214-0095	LA RICA AV	Roots	Rodder	12/30/2008
42	4231	2169-0637	2169-0638	EASEMENT BY MERCED AV	Grease □ roots	Hydrojet	05/18/2010
43	4228	2168-0157	2168-0156	HORNBROOK AV	Grease □ root ball	Hydrojet	05/19/2010
44	4200	2214-0063	2214-0062	LANDIS AVE	Roots	Rodder	01/28/2010
45	413A	2215-0113	2215-0137	JEANETTE LN	Roots	Rodder	03/05/2010
46	413A	2168-0031	2168-0032	LOS ANGELES ST	Roots	Rodder	05/04/2009
47	4137	2169-0584	2169-0585	ELWYN DR	Sag (high water level)	Hydrojet	11/02/2010
48	4136	2215-0067	2215-0068	FEATHER AV	Roots	Rodder	03/05/2010
49	4136	2214-0032	2214-0031	CRAGMONT ST	Roots	Rodder	03/05/2010
50	4134	2215-0085	2215-0084	CLOVERSIDE ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
51	4133	2215-0303	2215-0305	PUENTE AV	Roots	Rodder	03/05/2010
52	4133	2215-0314-A	2215-0315	PUENTE AV	Heavy grease	Hydrojet	03/23/2010
53	4133	2214-0139	2214-0117	OHIO ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
54	4132	2215-0050	2215-0051	MAIN AV	Roots	Rodder	03/05/2010
55	4132	2169-0521	2169-0520	RAMONA BLVD	Roots	Rodder	03/26/2010
56	4132	2168-0148	2168-0147	DEMBLON ST	Grease	Hydrojet	05/19/2010
57	4132	2215-0258	2215-0259	MILLBURY AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
58	4132	2215-0296	2215-0297	VAN WIG AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
59	4132	2215-0053	2215-0061	MACDEVITT ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
60	4131	2169-0470	2169-0471	FOSTER AVE	Sag (high water level)	Hydrojet	11/03/2010
61	4131	2215-0178	2215-0179	LORAY PL	Roots	Rodder	03/05/2010
62	4131	2215-0061	2215-0064	MACDEVITT ST	Roots	Rodder	03/05/2010
63	4131	2168-0280	2168-0279	MASLINE ST	Obstacle	Rodder	09/24/2009
64	4131	2168-0216	2168-0217	WALNUT ST	Roots	Rodder	03/05/2010
65	4131	2169-0519	2169-0653	GRACE AV	Roots	Hydrojet	05/18/2010
66	4131	2169-0517	2169-TRNK	ATHONL ST	Roots ball	Hydrojet	05/18/2010
67	4131	2169-0421	2169-0420	EASEMENT BY FOSTER AV	Roots	Hydrojet	05/18/2010
68	4131	2168-0120	2168-0119	LOS ANGELES ST	Root ball	Hydrojet	05/19/2010
69	4131	2168-0029	2168-0028	ALLEY BY JERRY AV	Grease and roots	Hydrojet	05/19/2010
70	4131	2215-0260	2215-0268	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
71	4131	2215-0456	2215-0277	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
72	4131	2215-0282	2215-0283	CHANNING ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
73	4131	2215-0282	2215-0298	CHANNING ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
74	4131	2215-0138	2215-0139	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
75	4131	2214-0024	2214-0025	BENHAM AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
76	4131	2169-0164	2169-0162	RAMONA BLVD	Root ball in lateral connection	Lateral notice will be sent to property owner	
77	4131	2168-0284	2168-0283	CUTLER AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
78	4131	2215-0060	2215-0061	PADDY LN	Root ball in lateral connection	Lateral notice will be sent to property owner	
79	4131	2215-0273	2215-0272	SIERRA WY	Root ball in lateral connection	Lateral notice will be sent to property owner	
80	4131	2215-0276	2215-0456	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
81	412C	2169-0505	2169-0504	MONTEREY AV	Grease	Hydrojet	05/18/2010
82	4123	2169-0214	2169-0210	FRAZIER ST	Root ball and grease	Hydrojet	05/18/2010
83	4122	2214-0134	2214-0133	EDRA AVE	Heavy grease	Hydrojet	08/10/2010
84	4121	2214-0024	2214-0693	BENHAM AV	High water level (sag)	No action needed	
85	411F	2214-0025	2214-0013	EASEMENT BY STEWART AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
86	411E	2169-0165-A	2169-0164	RAMONA BLVD	Root ball in lateral connection	Lateral notice will be sent to property owner	
87	411D	2169-0183	2169-0149	EASEMENT BY FRANCISQUITO AV	Roots	Hydrojet	05/18/2010
88	411B	2215-0179	2215-0048	MAINE AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
89	411A	2169-0527	2169-0526	RAMONA BLVD	Roots	Hydrojet	05/18/2010

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken	Date of Completion
90	4119	2215-0043	2215-0042	BALDWIN PARK BV	Root ball in lateral connection	Lateral notice will be sent to property owner	
91	4117	2169-0206	2169-0205	LOMA LN	Roots	Hydrojet	05/18/2010
92	4114	2214-0236	2214-0700	LA RICA AVE	Root ball in lateral connection	Lateral notice will be sent to property owner	
93	4114	2168-0243	2168-0244	MERCED AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
94	4113	2168-0038	2168-0039	MERCED AVE	Roots	Rodder	03/05/2010
95	4112	2169-0509	2169-0493	MONTEREY AVE	Roots ball	Hydrojet	05/18/2010
96	4112	2215-0277	2215-0278	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
97	4112	2215-0278	2215-0279	BIG DALTON AV	Root ball in lateral connection	Lateral notice will be sent to property owner	
98	4111	2215-0293	2215-0115	MERCED AV	Roots	Hydrojet	09/18/2009
99	4111	2215-0065	2215-0066	MACDEVITT ST	Root ball in lateral connection	Lateral notice will be sent to property owner	
100	4100	2215-0141	2215-0142	BIG DALTON AV	High flow	Hydrojet	09/18/2009
101	4100	2215-0142	2215-0145	DALEWOOD ST	High flow	Hydrojet	09/18/2009
102	4100	2214-0130	2214-0133	EDRA AVE	Plaster	Periodic Maintenance: hydrojet	04/16/2009
103	4100	2168-0134	2168-0348	EASEMENT BY LOS ANGELES ST	High flow; grease	Hydrojet	09/24/2009
104	4100	2215-0149	2215-0152	BIG DALTON AV	Obstacles; heavy debris'	Rodder	05/26/2010
105	4100	2215-0152	2215-0153	BIG DALTON AV	Sag (high water level)	Hydrojet	11/03/2010
106	4100	2215-0305	2215-0306	PUENTE AV	Camera underwater	Hydrojet	11/03/2010
107	4100	2214-0027	2214-0026	EASEMENT BY BALDWIN PARK BV	High water mark	No action needed	
108	4100	2215-0066	2215-0083	AHERN DR	Root ball in lateral connection	Lateral notice will be sent to property owner	

ENCLOSURE 2 CCTV PROJECT YOTV0809A

Supervisory District 1
City of Baldwin Park

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)
 - 5: IMMEDIATE ATTENTION (Red line)

SMD Manholes

- Other (Circle with dot)
- Manhole Type:
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)
 - SMD Pump Stations (Red square with 'P')

SMD Treatment Plants

- WTP (Red rectangle)

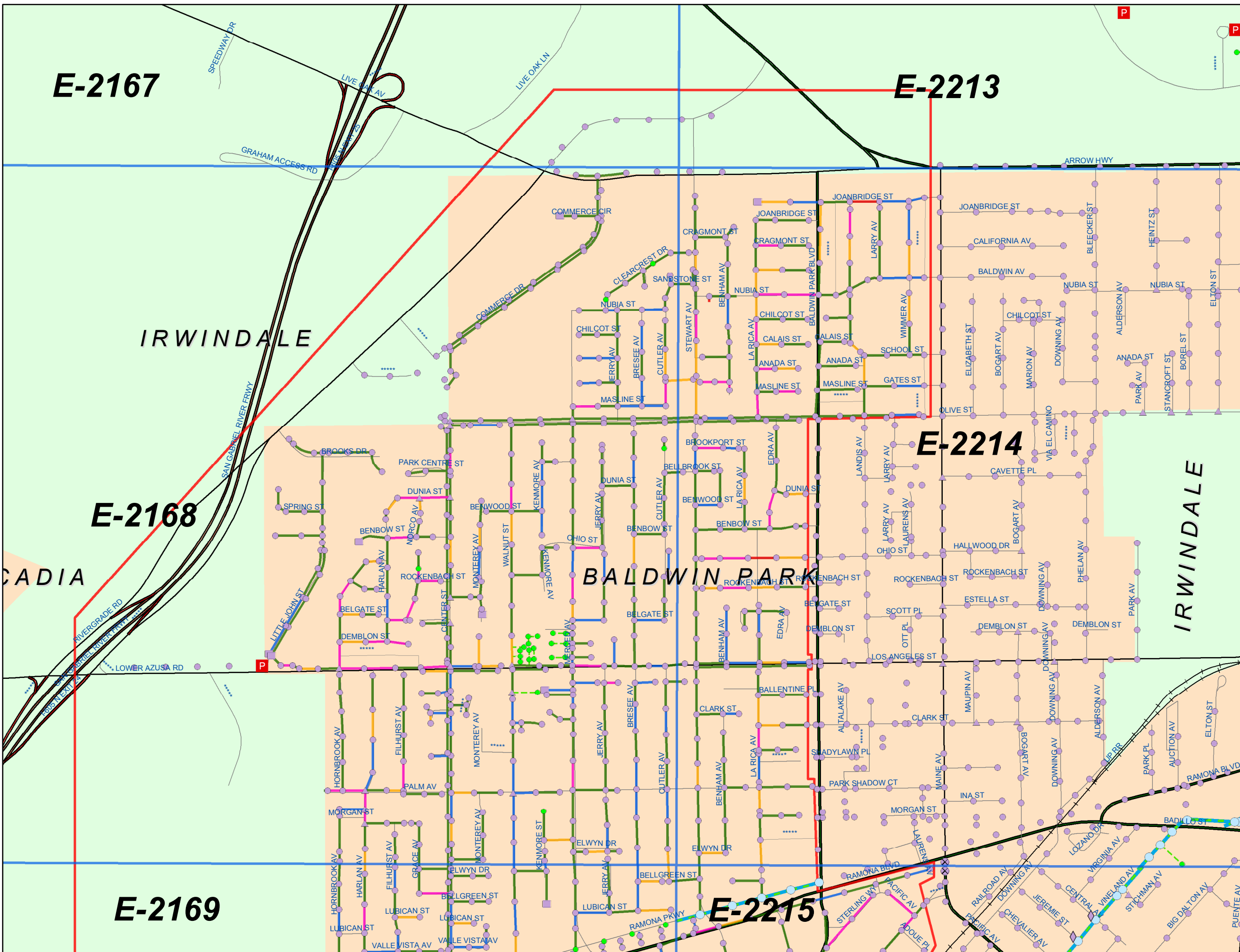
Maintained by Others:

- Trunk Sewerlines (Thick green line)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- Parcel Boundary (Thin grey line)
- SMD Operations Maps (Blue outline)
- YOTV0809A (Red outline)

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AUGUST 2010

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E-2167

E-2213

E-2168

E-2214

E-2169

E-2215

IRWINDALE

BALDWIN PARK

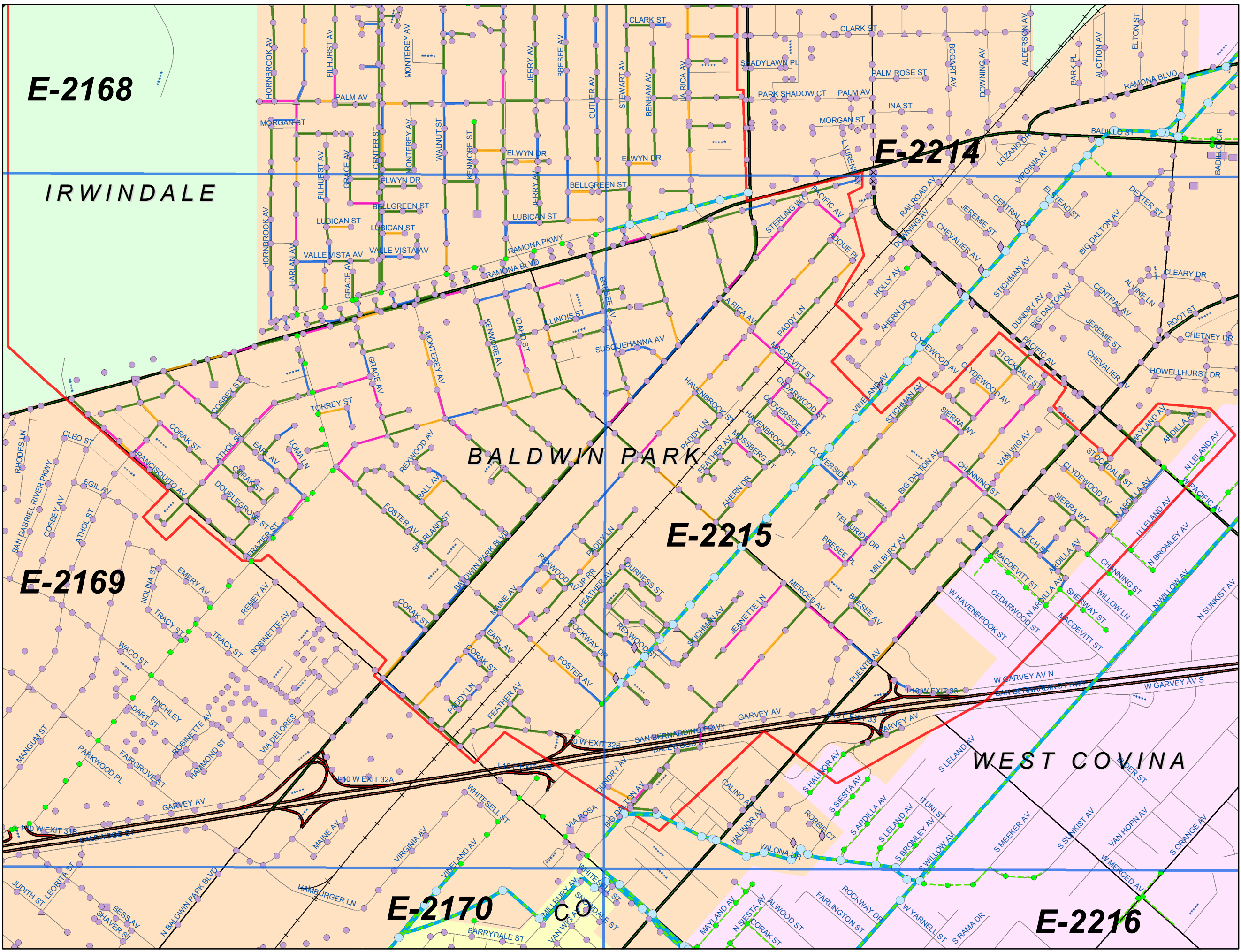
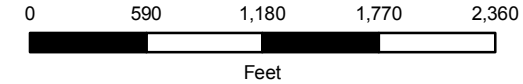
IRWINDALE

CADIA

ENCLOSURE 2 CCTV PROJECT YOTV0809A

Supervisory District 1
City of Baldwin Park

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

- QMR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION

SMD Manholes

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

WTP SMD Treatment Plants

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

- Parcel Boundary
- SMD Operations Maps
- YOTV0809A

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AUGUST 2010

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E-2168

IRWINDALE

E-2214

BALDWIN PARK

E-2215

E-2169

WEST COVINA

E-2170

E-2216

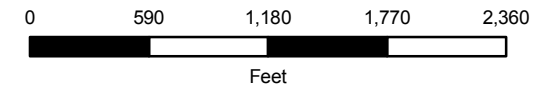
ENCLOSURE 2
HIGH WATER LEVELS
CITY OF BALDWIN PARK (YOTV0809A)
as of 01/23/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	Corrective Action Taken	SAG (ft)	
1	5141	2214-0142	2214-0141	OHIO ST	High water level (roots)	(55%-65%): 45'-92'	Millcutter (06/08/09)	47'
2	4100	2168-0112	2168-0111	PALM AV	Sag (high water level)	(65%): 21'-237'	lt grds (11/2/10)	216'
3	4G3A	2169-0489	2169-0471	FRAZIER ST	Sag (high water level)	(60%): 80'-115' ; (65%): 150'-240'	Hydrojet (05/18/10)	125'
4	4A3D	2168-0255	2168-0242	OHIO ST	Sag (high water level)	(65%): 220'-300'	Hydrojet (09/24/09)	80'
5	4A00	2215-0148	2215-0149	BIG DALTON AV	Sag (high water level)	(50%-65%): 50'-140', 140'-198'	lt grds (11/3/10)	148'
6	4A00	2168-0101	2168-0097	HARLAN AV	Sag (high water level)	(65%): 0'- 40'	lt grds (11/3/10)	40'
7	4A00	2168-0111	2168-0101	HARLAN AV	Sag (high water level)	(55%-65%): 190'-288'	lt grds (11/3/10)	98'
8	453C	2215-0025	2215-0026	BALDWIN PARK BV	High water level (roots, grease)	(65%): 30'-80'	Rodded (01/28/10)	50'
9	4700	2215-0324	2215-0293	MERCED AV	High water level (debris)	(55%-65%): 50'-269'	Hydrojet (06/08/09)	119'
10	4137	2169-0584	2169-0585	ELWYN DR	Sag (high water level)	(50%): 280'- 340'	lt grs (11/2/10)	60'
11	4131	2168-0120	2168-0119	LOS ANGELES ST	Sag (high water level)	(60%): 277'- 295'	Hydrojet (05/19/10)	18'
12	4131	2168-0279	2168-0280	MASLINE ST	High water level (obstacle)	(60%): 0'-64'	Rodder (09/24/09)	64'
13	4131	2169-0470	2169-0471	FOSTER AVE	Sag (high water level)	(50%): 265'- 279'	lt/grs/grds (11/3/10)	14'
14	4100	2214-0027	2214-0026	EASEMENT BY BALDWIN PARK BV	Water Mark	(50%): 21'- 110'	No action needed	89'
15	4100	2215-0149	2215-0152	BIG DALTON AV	High water level (obstacle, debris)	(65%): 0'-8'	Rodder (05/26/10)	8'
16	4100	2215-0142	2215-0145	DALEWOOD ST	High water level (debris)	(65%): 14'-110'	Hydrojet (09/18/09)	96'
17	4100	2215-0141	2215-0142	BIG DALTON AV	High water level (debris)	(65%): 8'-110'	Hydrojet (09/18/09)	102'
18	4100	2215-0305	2215-0306	PUENTE AV	Sag (high water level)	(65%): 6'-130'	hvy grds (11/3/10)	124'
19	4100	2215-0152	2215-0153	BIG DALTON AV	Sag (high water level)	(65%): 0'-12'	lt grds (11/3/10)	12'

ENCLOSURE 2
CCTV PROJECT
YOTV0809A

Supervisory District 1
City of Baldwin Park

HIGH WATER LEVEL



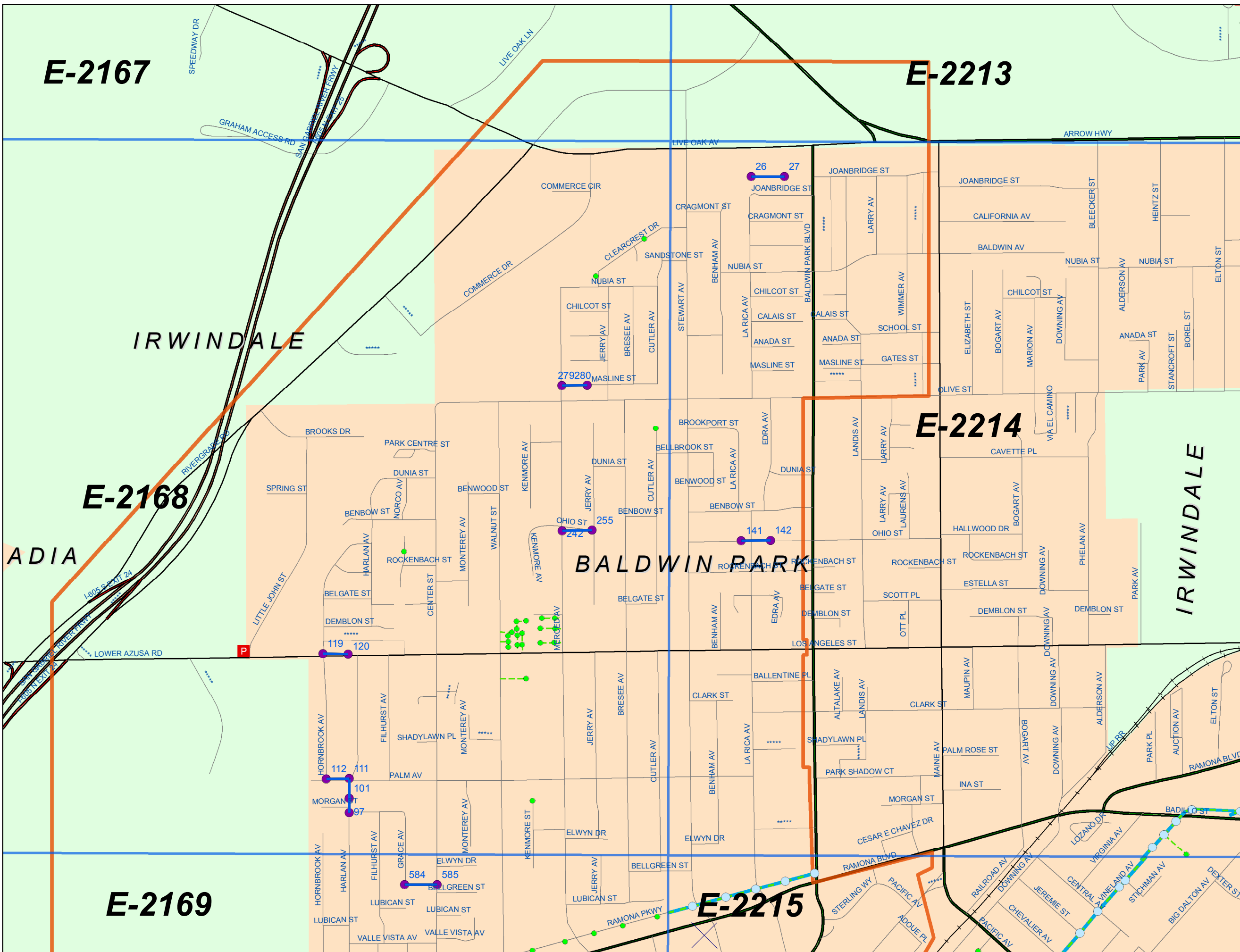
Legend

- HIGH WATER LEVELS
- SMD Manholes**
- Other
- Manhole Type**
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Satations
- SMD Treatment Plants
- Maintained by Others:**
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- Parcel Boundary
- SMD Operations Maps
- GEN_PROJID**
- YOTV0809A

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SEPTEMBER 2010

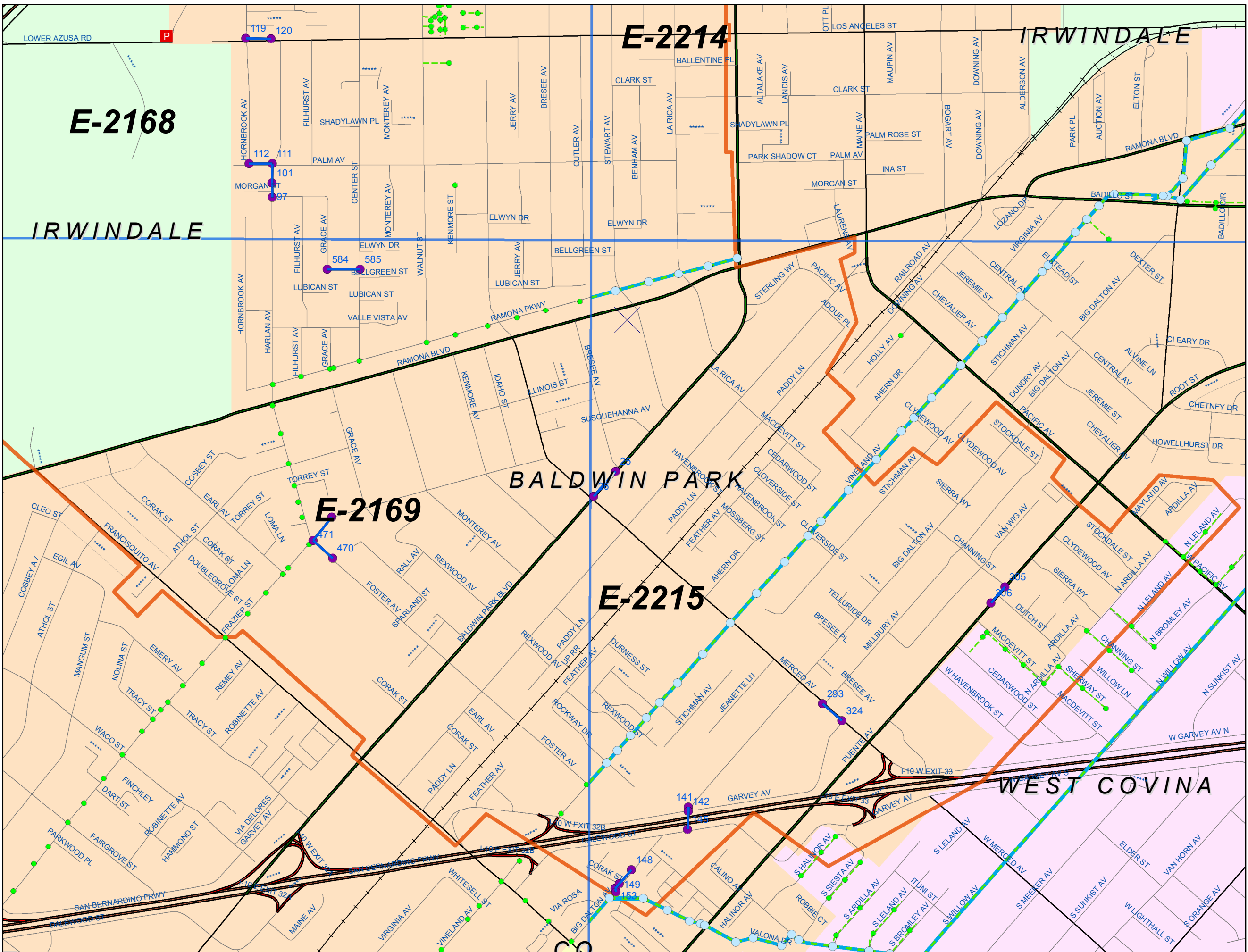
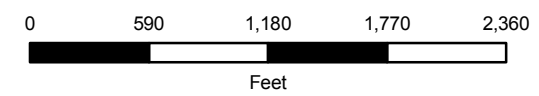
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ENCLOSURE 2 CCTV PROJECT Y0TV0809A

Supervisory District 1
City of Baldwin Park

HIGH WATER LEVEL



- Legend**
- HIGH WATER LEVELS
 - SMD Manholes**
 - Other
 - Manhole Type**
 - Standard
 - DROP
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 - Trap
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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.

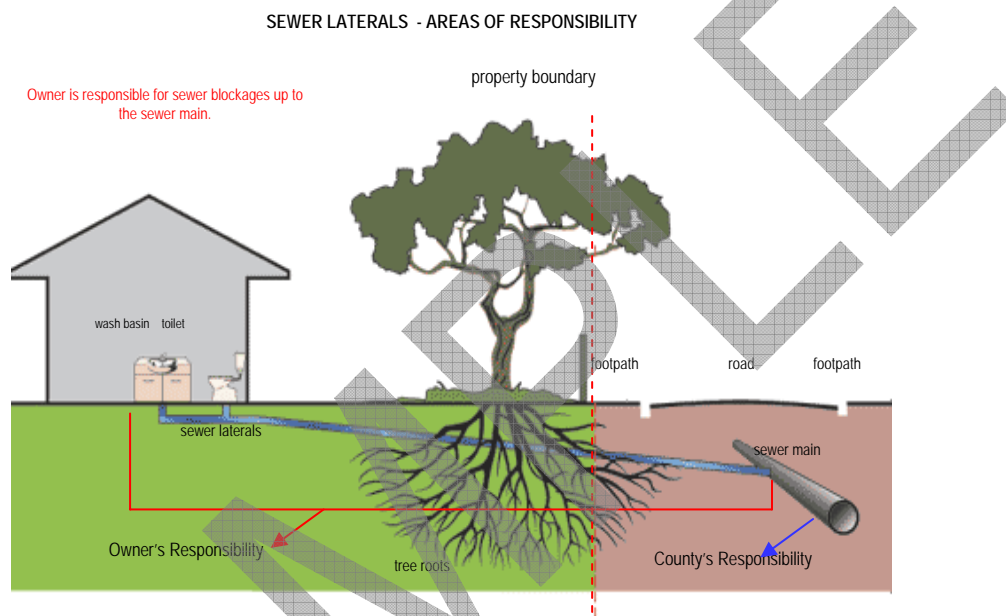
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

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

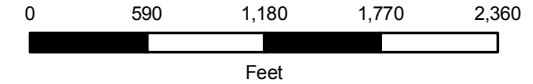
ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF BALDWIN PARK (Y0TV0809A)
as of 01/23/09

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5212	2169-0407	2169-0406	MAINE AVE	Hole : 141'	Structural integrity in tact. No action needed.	
2	5141	2168-0349	2168-0134	LITTLE JOHN ST	Broken Void visible and Deformed 90'	Point Repair (East Yard)	
3	5122	2168-0358	2168-0356	SPRING ST	Hole with soil visible: 173'	Point Repair (East Yard)	
4	5121	2168-0070	2168-0069	EASEMENT BY CENTER ST	Broken :126'	Structural integrity in tact. No action needed.	
5	5121	2214-0097	2214-0096	OLIVE ST	Hole with void visible 100'	Structural integrity in tact. No action needed.	
6	5111	2168-0250-A	2168-0250	MERCED AV	Broken with concrete visible :59'	Structural integrity in tact. No action needed.	
7	5111	2168-0043	2168-C.O.	KENMORE ST	Hole with concrete patch visible 201'	Structural integrity in tact. No action needed.	
8	5100	2215-0468	2215-0035	STEWART AV	Broken with soil visible 1.5'	Point Repair (East Yard)	
9	4132	2168-0307	2168-0306	ANADA ST	Broken with concret patch visible: 182'	Structural integrity in tact. No action needed.	
10	4112	2169-0206	2169-0209	LOMA LN	Fracture: 142'	Structural integrity in tact. No action needed.	
11	4100	2168-0244	2168-0245	MERCED AV	Broken with soil visible: 59'	Point Repair (East Yard)	
12	4100	2214-0020	2214-0021	BENHAM AV	Fracture: 85'	Structural integrity in tact. No action needed.	
13	4100	2168-0129	2168-0130	FILHURST AV	Fractures: 253'	Structural integrity in tact. No action needed.	
14	4100	2169-0636	2169-0637	MERCED AV	Fractures: 203'	Structural integrity in tact. No action needed.	

ENCLOSURE 3 CCTV PROJECT YOTV0809A

Supervisorial District 1
City of Baldwin Park

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

- Other (Circle with dot)
- Manhole Type:
 - Standard (Purple circle)
 - DROP (Purple triangle)
 - Shallow (Purple square)
 - Trap (Purple diamond)
 - Siphon (Purple circle with cross)
 - SMD Pump Stations (Red square with 'P')

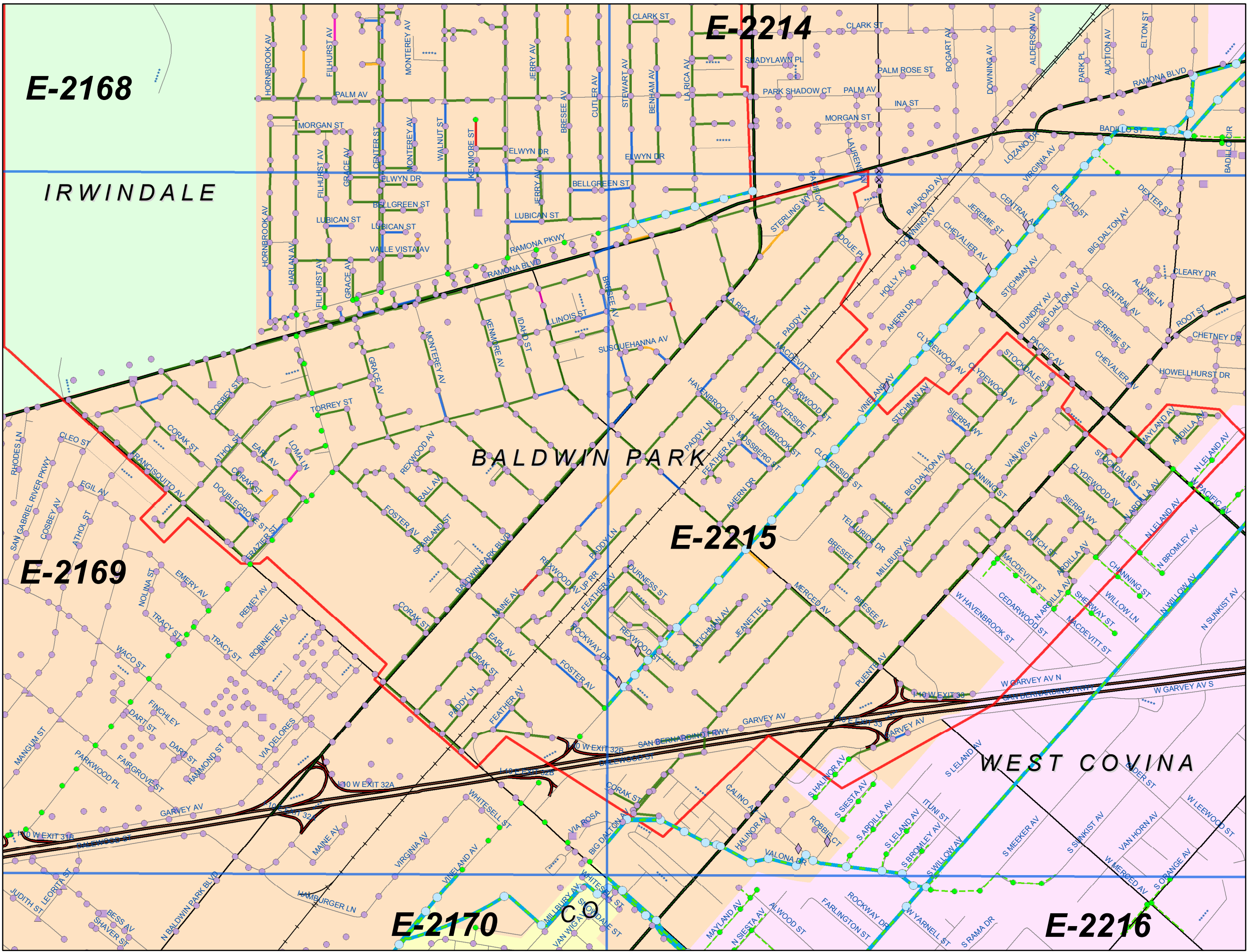
WTP SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines (Thick green line)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green circle)
- Parcel Boundary (Thin grey line)
- SMD Operations Maps (Blue outline)
- YOTV0809A (Red outline)

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E-2168

E-2214

IRWINDALE

BALDWIN PARK

E-2215

E-2169

WEST COVINA

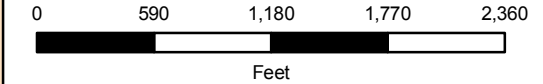
E-2170

E-2216

ENCLOSURE 3 CCTV PROJECT YOTV0809A

Supervisory District 1
City of Baldwin Park

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

- 1: EXCELLENT
- 2: GOOD
- 3: FAIR
- 4: POOR
- 5: IMMEDIATE ATTENTION

SMD Manholes

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

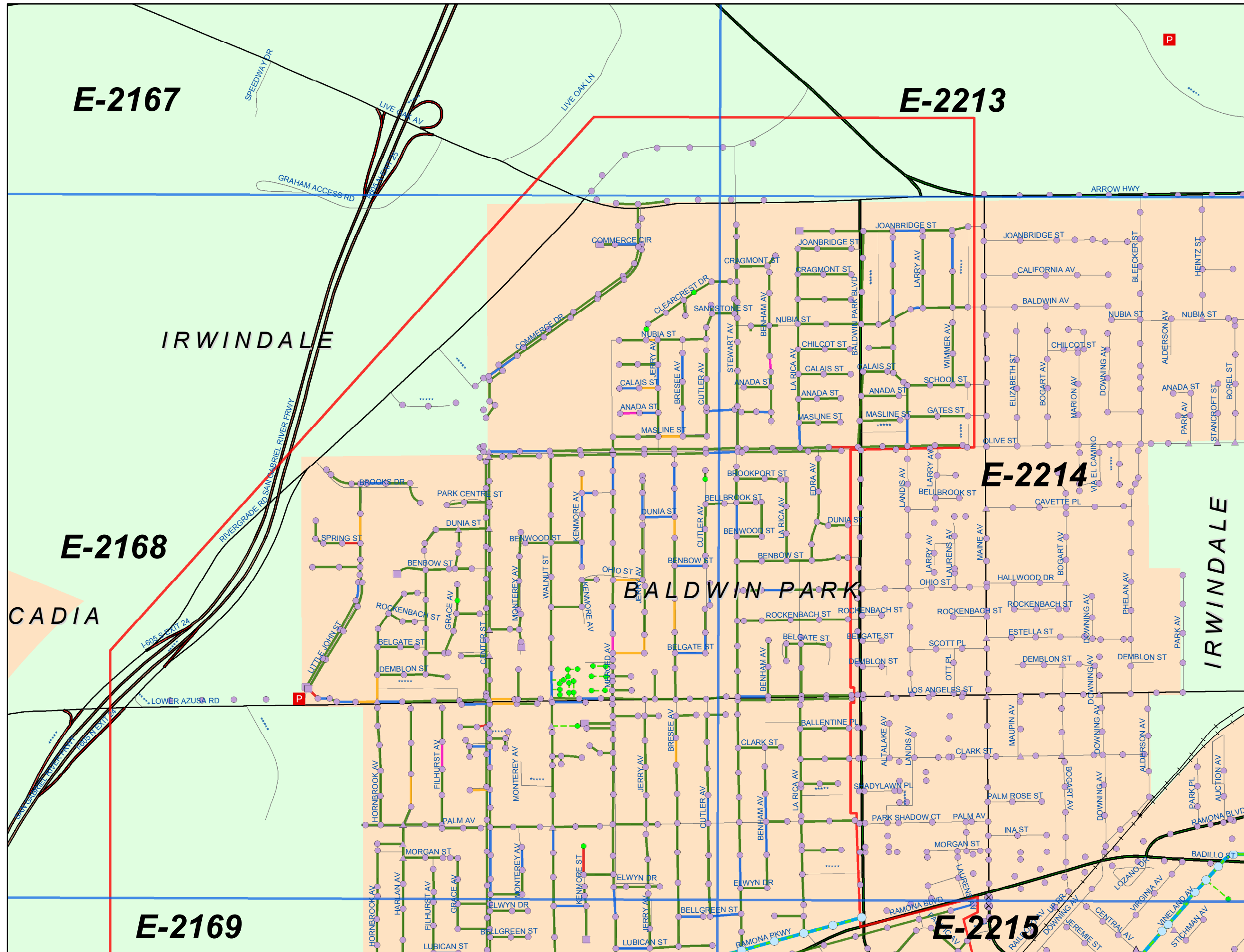
SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
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E-2167

E-2213

IRWINDALE

E-2168

E-2214

CADIA

BALDWIN PARK

IRWINDALE

E-2169

E-2215

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20080818	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1982	PSR: 106196
Total Pipe Length: 305.00	Survey Customer: LACDPW	System Owner: BALDWIN PARK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2214

Street: Ohio St	Flow Control: Not Controlled	Start MH: 2214-0142
City: BPK	Year Renewed:	End MH: 2214-0141
Location Code: Light Highway	Tape/Media # M313-006	pipe length: 92.9 ft

Reason for inspection: Routine Assessment	Dia: Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0141/2214-0142/2214	Lining Method:
	Category:

Remark::

1:225	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2214-0142	00:00:24	1469	
	4.70	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:00:53	1470, b	
	5.00	Water Level, 5 □, within 8 inch: NO	00:01:31	1472	M 2
	9.40	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:01:56	1473, b	
	14.40	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:27	1475, b	
	21.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:19	1479	
	24.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:40	1480	
	36.90	Water Level, 10 □, within 8 inch: NO	00:04:19	1481	M 2
	57.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:05:15	1482	
	60.40	Water Level, 40 □, within 8 inch: NO	00:05:33	1483	M 2
	92.90	Deposits Attached Encrustation, from 4 to 8 o'clock, 35 □, within 8 inch: NO	00:09:58	1484, b	M 5
	92.90	Abandoned Survey, within 8 inch: NO, Remarks: reached calcium downstrea	00:10:55	1486, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	5123	0	11	11	0	2.75	2.75



Inspection report

Date: 20080822	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1310	PSR: 112063
Total Pipe Length: 267.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2168

Street: MASLINE ST	Flow Control:	Start MH: 2168-0279
City: BPK	Year Renewed:	End MH: 2168-0280
Location Code: Light Highway	Tape/Media # A008	pipe length: 64.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0279/2168-0280/2168	Lining Method:
	Category:

Remark::

1:150	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2168-0279	00:00:35	1576	
	6.00	Water Level, 20", within 8 inch: NO	00:01:26	1577	M 2
	64.00	Camera Underwater, within 8 inch: NO	00:04:08	1578	M 4
	64.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:14	1579	
	64.10	Abandoned Survey, within 8 inch: NO, Remarks: complete inspection	00:05:38	1580	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4121	0	6	6	0	3	3



Inspection report

Date: 20080811	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1902	PSR: 106317
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: BALDWIN PARK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2214

Street: Easement	Flow Control: Not Controlled	Start MH: 2214-0027
City: BPK	Year Renewed:	End MH: 2214-0026
Location Code: Easement/Right of Way	Tape/Media # M313-001	pipe length: 353.2 ft

Reason for inspection: Routine Assessment	Dia./Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0026/2214-0027/2214	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2214-0027	00:00:28	109	
	5.00	Water Level, 5", within 8 inch: NO	00:01:00	110	M 2
	21.20	Water Mark, 50", within 8 inch: NO	00:01:45	111	M 3
	101.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:40	112	
	300.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:41	113	
	353.20	General Observation, within 8 inch: NO, Remarks: Pipe Material VCP	00:13:58	114	
	353.20	Manhole, within 8 inch: NO, Remarks: 2214-0026	00:14:07	115	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	3121	0	5	5	0	2.5	2.5



Inspection report

Date: 20080915	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1523	PSR: 105590
Total Pipe Length: 190.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2215

Street: 0	Flow Control:	Start MH: 2215-0142
City: BPK	Year Renewed	End MH: 2215-0145
Location Code: Main Highway - Urban	Tape/Media # A023	pipe length: 110 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 15"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0142/2215-0145/2215	Lining Method:
	Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0142	00:00:17	4954	
	7.20	Water Level, 30 □, within 8 inch: NO	00:00:47	4955	M 2
	7.20	Water Mark, 35 □, within 8 inch: NO	00:00:56	4956	M 3
	96.50	Camera Underwater, within 8 inch: NO	00:04:32	4957	M 4
	110.00	Abandoned Survey, within 8 inch: NO, Remarks: DUE TO HIGH FLOW □ DEBRIS	00:10:11	4958	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4131	0	9	9	0	3	3



Inspection report

Date: 20080915	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1522	PSR: 105586
Total Pipe Length: 46.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2215

Street: BIG DALTON AV	Flow Control:	Start MH: 2215-0141
City: BPK	Year Renewed	End MH: 2215-0142
Location Code: Main Highway - Urban	Tape/Media # A023	pipe length: 26.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 15"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0141/2215-0142/2215	Lining Method:
	Category:

Remark::

1:75	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0141	00:00:27	4947	
	4.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:01:03	4948	
	6.00	Water Level, 25 #, within 8 inch: NO	00:01:40	4949	M 2
	6.00	Water Mark, 30 #, within 8 inch: NO	00:01:55	4950	M 2
	8.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:02:52	4951	
	21.80	Camera Underwater, within 8 inch: NO	00:03:43	4952	M 4
	26.30	Manhole, within 8 inch: NO, Remarks: 2215-0142	00:09:07	4953	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4122	0	8	8	0	2.67	2.67



Inspection report

Date: 20080909	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1469	PSR: 105405
Total Pipe Length: 202.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2215

Street: PUENTE AV	Flow Control:	Start MH: 2215-0305
City: BPK	Year Renewed	End MH: 2215-0306
Location Code: Main Highway - Urban	Tape/Media # A019	pipe length: 239.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 12"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0305/2215-0306/2215	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0305	00:00:22	4174	
	6.00	Camera Underwater, within 8 inch: NO	00:01:16	4175	M 4
	11.40	Water Level, 20", within 8 inch: NO	00:01:42	4176	M 2
	11.40	Water Mark, 25", within 8 inch: NO	00:01:53	4177	M 2
	132.10	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:05:11	4178	
	211.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:06	4179	
	229.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:07:49	4180	
	239.40	Manhole, within 8 inch: NO, Remarks: 2215-0306	00:08:29	4181	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4122	0	8	8	0	2.67	2.67



Inspection report

Date: 20080911	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1501	PSR: 105559
Total Pipe Length: 335.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2215

Street: MERCED AV	Flow Control:	Start MH: 2215-0293
City: BPK	Year Renewed	End MH: 2215-0115
Location Code: Light Highway	Tape/Media ☐ A021	pipe length: 336.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 12"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0115/2215-0293/2215	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0293	00:00:38	4668	
	6.00	Water Level, 20 ☐, within 8 inch: NO	00:01:02	4669	M 2
	6.00	Water Mark, 25 ☐, within 8 inch: NO	00:01:09	4670	M 2
	51.20	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:02:16	4671	
	76.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:07	4672	
	76.30	Roots Fine Lateral, at 10 o'clock, within 8 inch: NO	00:03:17	4673, b	M 1
	104.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:22	4675	
	168.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:08	4676	
	320.70	Camera Underwater, within 8 inch: NO	00:09:11	4677	M 4
	336.70	Manhole, within 8 inch: NO, Remarks: 2215-0115	00:09:43	4678	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4122	0	9	9	0	2.25	2.25



Inspection report

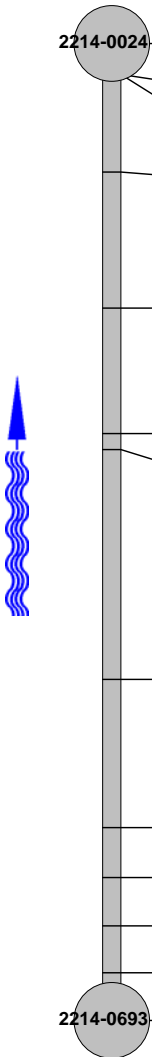
Date: 20080814	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1250	PSR: 106316
Total Pipe Length: 90.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2214

Street: BENHAM AV	Flow Control:	Start MH: 2214-0024
City: BPK	Year Renewed	End MH: 2214-0693
Location Code: Light Highway	Tape/Media ☐ A004	pipe length: 159 ft

Reason for inspection: Routine Assessment	Dia:Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0024/2214-0693/2214	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2214-0024	00:00:32	839	
	5.00	Water Level, 5 ☐, within 8 inch: NO	00:00:58	840	M 2
	5.00	Water Mark, 10 ☐, within 8 inch: NO	00:1:10	841	M 2
	20.90	Roots Fine Joint, from 9 to 11 o'clock, within 8 inch: YES	00:01:49	842, b	
	43.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:00	844	
	63.50	Joint Offset Medium, within 8 inch: YES	00:03:59	845, b	S 1
	66.00	Water Level Sag, 70 ☐, within 8 inch: NO	00:04:57	847	M 4
	103.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:55	848	
	127.60	Water Level Sag, 5 ☐, within 8 inch: NO	00:08:07	849	M 2
	135.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:32	850	
	143.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:59	851	
	151.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:26	852	
	159.00	Manhole, within 8 inch: NO, Remarks: 2214-0693	00:10:11	853	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
1100	4123	1	10	11	1	2.5	2.2



Inspection report

Date: 20080915	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1849	PSR: 105704
Total Pipe Length: 347.00	Survey Customer: LACDPW	System Owner: BPK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2215

Street: BALDWIN PARK BV	Flow Control: Not Controlled	Start MH: 2215-0025
City: BPK	Year Renewed	End MH: 2215-0026
Location Code: Main Highway - Suburban/Rural	Tape/Media # G312-020	pipe length: 383.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0025/2215-0026/2215	Lining Method:
	Category:

Remark::

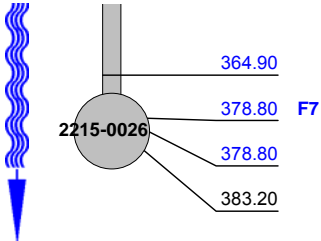
1:759	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0025	00:00:41	4866	
	5.00 S1	Deposits Attached Grease, from 2 to 4 o'clock, 10 □, within 8 inch: YES, Start	00:01:30	4867, b	M 2
	5.00	Water Level, 15 □, within 8 inch: NO	00:01:42	4869	M 2
	10.80 S2	Water Level Sag, 25 □, within 8 inch: NO, Start	00:02:29	4870, b	M 2
	36.60 S3	Deposits Attached Grease, from 7 to 5 o'clock, 20 □, within 8 inch: YES, Start	00:05:33	4872, b	M 3
	58.90 S4	Camera Underwater, within 8 inch: NO, Start	00:07:04	4874	M 4
	64.40 S5	Roots Medium Joint, from 7 to 5 o'clock, 30 □, within 8 inch: YES, Start	00:08:01	4875, b	
	80.70 F1	Deposits Attached Grease, from 2 to 4 o'clock, 10 □, within 8 inch: YES, End	00:10:44	4879	M 2
	80.70 F2	Water Level Sag, 25 □, within 8 inch: NO, End	00:10:58	4880	M 2
	80.70	Water Level, 15 □, within 8 inch: NO	00:11:09	4881	M 2
	80.70 F3	Deposits Attached Grease, from 7 to 5 o'clock, 20 □, within 8 inch: YES, End	00:11:22	4882	M 3
	80.70 F4	Camera Underwater, within 8 inch: NO, End	00:11:34	4883	M 4
	95.50 F5	Roots Medium Joint, from 7 to 5 o'clock, 30 □, within 8 inch: YES, End	00:12:31	4884	
	100.50 S6	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:13:07	4885, b	
	122.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:57	4887	
	122.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:14:11	4888, b	M 1
	177.50	Water Level, 10 □, within 8 inch: NO	00:15:53	4890	M 2
	196.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:31	4891	
	224.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:23	4892	
	224.70	Roots Tap Lateral, at 9 o'clock, 15 □, within 8 inch: NO	00:17:37	4893, b	M 2
	232.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:12	4895	
	274.90 F6	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:19:33	4896	
	328.20 S7	Water Level Sag, 25 □, within 8 inch: NO, Start	00:20:51	4897, b	M 2



Inspection report

Date: 20080915	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1849	PSR: 105704
Total Pipe Length: 347.00	Survey Customer: LACDPW	System Owner: BPK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2215

1:759	position	observation	MPEG	photo	grade
	364.90	Joint Offset Large, within 8 inch: YES	00:22:08	4899, b	S 2
	378.80 F7	Water Level Sag, 25", within 8 inch: NO, End	00:23:08	4901	M 2
	378.80	Water Level, 15", within 8 inch: NO	00:23:28	4902	M 2
	383.20	Manhole, within 8 inch: NO, Remarks: 2215-0026	00:24:09	4903	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2100	4232	2	37	39	2	2.31	2.29



Inspection report

Date: 20080911	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 1499	PSR: 105393
Total Pipe Length: 271.00	Survey Customer: LACDPW	System Owner: Baldwin Park	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2215

Street: MERCED AV	Flow Control:	Start MH: 2215-0324
City: BPK	Year Renewed	End MH: 2215-0293
Location Code: Main Highway - Suburban/Rural	Tape/Media ☐ A021	pipe length: 269.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 12"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0293/2215-0324/2215	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2215-0324	00:00:25	4641	
	6.00	Water Level, 20 ☐, within 8 inch: NO	00:00:57	4642	M 2
	6.00	Water Mark, 25 ☐, within 8 inch: NO	00:01:05	4643	M 2
	9.50	Tap Break-in Active, at 10 o'clock, 6", within 8 inch: NO	00:01:34	4644, b	
	111.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:56	4646	
	130.20	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:37	4647	
	224.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:15:09	4648	
	240.80 S1	Camera Underwater, within 8 inch: NO, Start	00:15:46	4649	M 4
	269.50 F1	Camera Underwater, within 8 inch: NO, End	00:16:57	4650	M 4
	269.50	Manhole, within 8 inch: NO, Remarks: 2215-0293	00:17:21	4651	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	4222	0	12	12	0	3	3



Inspection report

Date: 20080820	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1576	PSR: 112142
Total Pipe Length: 314.00	Survey Customer: LACDPW	System Owner: BPK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2168

Street: OHIO ST	Flow Control: Not Controlled	Start MH: 2168-0255
City: BPK	Year Renewed:	End MH: 2168-0242
Location Code: Light Highway	Tape/Media # G312-003	pipe length: 321.7 ft

Reason for inspection: Routine Assessment	Dia:Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0242/2168-0255/2168	Lining Method:
	Category:

Remark::

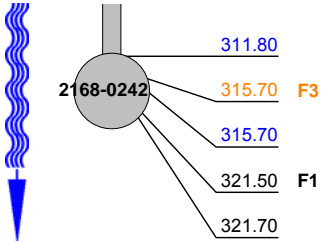
1:660	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2168-0255	00:00:37	615	
	5.00	Water Level, 10", within 8 inch: NO	00:01:07	616	M 2
	13.70	S1 Roots Fine Joint, from 8 to 11 o'clock, within 8 inch: YES, Start	00:01:40	617, b	
	13.70	Joint Offset Medium, within 8 inch: YES	00:01:53	619, b	S 1
	19.00	S2 Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:03	621, b	S 3
	23.90	F2 Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:03:45	623	S 3
	35.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:04:11	624	
	35.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:04:22	625, b	M 1
	47.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:05:03	627	
	47.70	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:05:17	628, b	M 1
	86.00	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:24	630	
	86.00	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:06:36	631, b	M 1
	104.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:07:21	633	
	104.00	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:07:32	634, b	M 1
	156.40	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:35	637, b	S 3
	157.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:02	639	
	170.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:10:34	640	
	183.20	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:11:07	641	
	192.40	Water Level, 20", within 8 inch: NO	00:11:27	642	M 2
	211.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:12:03	643	
	224.20	S3 Water Level Sag, 35", within 8 inch: NO, Start	00:12:43	644, b	M 3
	243.40	S4 Camera Underwater, within 8 inch: NO, Start	00:14:01	646	M 4
	286.10	F4 Camera Underwater, within 8 inch: NO, End	00:15:42	647	M 4
	294.40	Joint Offset Medium, within 8 inch: YES	00:16:16	648, b	S 1



Inspection report

Date: 20080820	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1576	PSR: 112142
Total Pipe Length: 314.00	Survey Customer: LACDPW	System Owner: BPK	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2168

1:660	position	observation	MPEG	photo	grade
	311.80	Water Mark, 10 □, within 8 inch: NO	00:17:13	650	M 2
	315.70 F3	Water Level Sag, 35 □, within 8 inch: NO, End	00:17:28	651	M 3
	315.70	Water Level, 15 □, within 8 inch: NO	00:17:41	652	M 2
	321.50 F1	Roots Fine Joint, from 8 to 11 o'clock, within 8 inch: YES, End	00:18:52	653	
	321.70	Manhole, within 8 inch: NO, Remarks: 2168-0242	00:18:15	654	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
3312	4232	11	26	37	2.2	2.17	2.18