


January 5, 2011

TO Nicholas Agbobu
Engineering, Budget, and Office Operations



FROM Robert Swartz
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0809A**

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 213,884 feet or approximately 59 percent of the sewer system within Unincorporated County maintained by the District's East 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)
- 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)
- 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 Program.

HK

Attach.
bc: RS, FV, File (Y0TV0809A)

**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 of 5	MAP PAGE(S):	1967,2020,2120,2121
Report By:	Hanna Kebede	Report Date:	11/4/2010

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 213,884 feet or approximately 5.9 percent of the Unincorporated Los Angeles County sewer system maintained by the District's East 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 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 within 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 90.4 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 9.6 percent of the inspected pipe segments within the Unincorporated County of Los Angeles 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).

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	148,079	69.2	722
2: Good	24,503	11.5	103
3: Fair	20,851	9.7	89
4: Poor	20,010	9.4	87
5: Immediate Attention	441	0.2	2
TOTAL	213,884	100.0	1003

Capacity

Our inspection revealed that approximately 0.35 percent of the system televised has adequate capacity. However, the remaining 99.65 percent of the inspected segments are at or above capacity. Capacity of the sewer pipe can be determined through looking at several of the PACP codes, including the Water Level Sag and Water Marks. A sewer pipe can be considered at capacity when 50% of the diameter of sewer pipe is full of water, which will receive a PACP grade of 4 or 5. However, there are several situations, where the water level or water mark has reached 50% or greater due to heavy flows in joining pipes, or a temporary stoppage due to debris in the sewer lines. Therefore, additional review for all pipe segments rating of 4 or 5 is necessary to determine any capacity issues. All sewer pipes where Water Level Sag, and Water Mark receiving a grade of 4 or higher, have been outlined on the Capacity Priority List (Enclosure 2) and thoroughly reviewed and indicate where, if any, capacity issues exist.

Infiltration

Our inspection revealed that approximately 0.12 percent of the system televised 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 has been found, is listed on the Infiltration Priority List (Enclosure 2). The Infiltration Priority List indicates the required corrective action for each instance of infiltration as well as the proposed corrective method which will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project.

STRUCTURAL REPORT

Our inspection revealed that approximately 95.5 percent of the inspected pipe segments within the Unincorporated County of Los Angeles area were free of severe structural defects. However, the remaining 3.5 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 35 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 thirty five segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	138,083	64.6	695
2: Good	33,400	15.6	136
3: Fair	34,939	16.3	137
4: Poor	2,737	1.3	16
5: Immediate Attention	4,725	2.2	19
TOTAL	213,884	100.0	1003

FUTURE PROJECTS

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

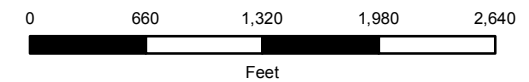
ENCLOSURE 1:

Project Overview Map

CCTV PROJECT

Y0TV0809A

Supervisory District 1
Unincorporated County



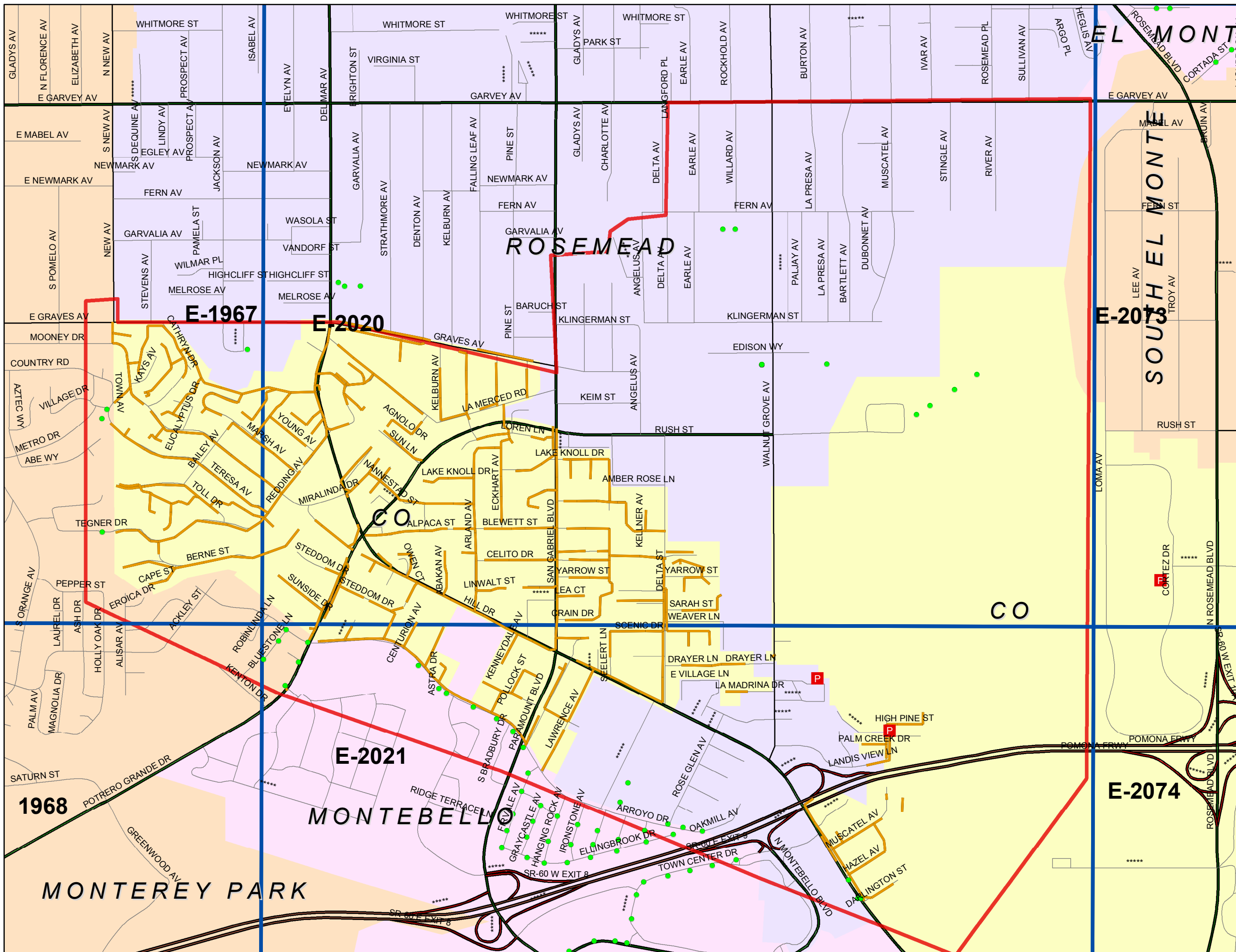
Legend

- SMD Sanitary Sewers
- SMD Pump Satations
- SMD Treatment Plants
- Maintained by Others:**
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- Parcel Boundary
- Y0TV0809A

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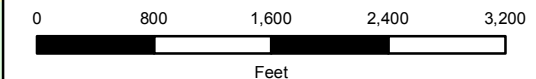
NOVEMBER 2010

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CCTV PROJECT Y0TV0809A

Supervisorial District 5
Unincorporated County



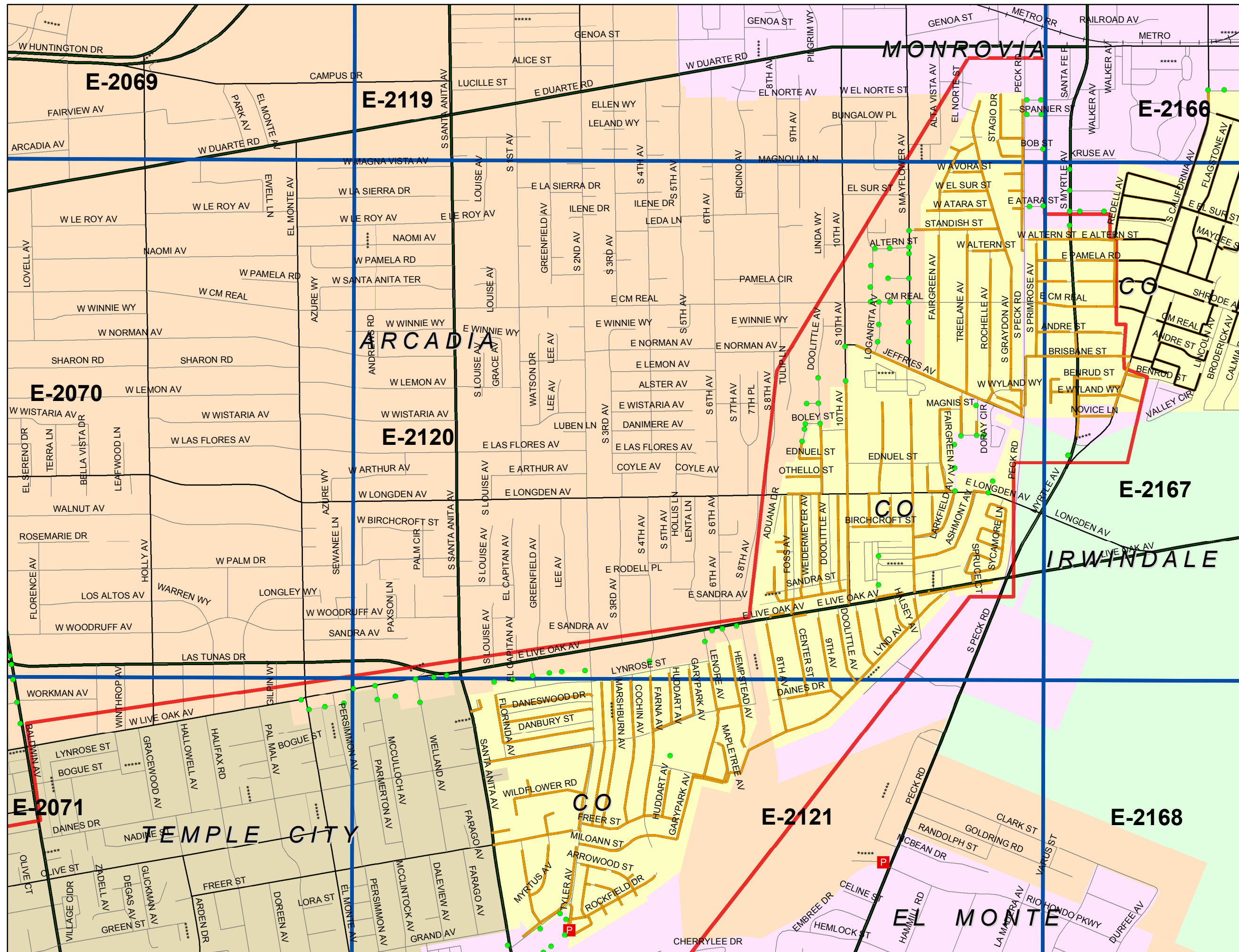
Legend

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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 REPORT PRIORITY LIST
 UNINCORPORATED LOS ANGELES COUNTY (Y0TV0809A)
 as of 01/23/09

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken	Date of Completion
1	5100	2020-0467A	2020-0468	DEL MAR AV	Mop handle □ 8'	Rodding	08/21/2009
2	5100	2020-0758	2020-0529	HILL DR	Obstacle 61'	Point Repair to remove Obstacle □ Hydrojet	09/24/2010
3	4A31	2020-0617	2020-TRNK	EASEMENT BY LA MERCED DR	Low spot	Hydrojet	08/24/2009
4	4631	2121-0101	2121-0102	EASEMENT BY DANBURY ST	Roots Ball 238'	Rodding	06/30/2010
5	443A	2020-0469	2020-0559	DEL MAR AV	Low spot	Hydrojet	08/19/2009
6	4423	2020-0556	2020-0580	R w S O LA MERCED RD	Roots	Rodding	08/20/2009
7	441C	2020-0612	2020-0613	R W N O LAKE KNOLL DR	Roots	Rodding	08/20/2009
8	4336	2120-0152	2120-0153	R w W O TENTH AVE	Roots	Rodding	08/19/2009
9	4335	2120-0154	2120-0153	EASEMENT BY DOOLITTLE AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
10	4322	1967-0139	1967-0114	R W E O CATHRYN DR	Roots	Rodding	09/14/2009
11	4234	2020-0480	2020-0481	EASEMENT BY LERIDA PL	Roots Ball medium 82'	Rodding	09/24/2010
12	4232	1967-0152	1967-0151	EASEMENT BY KAYS AV	Roots	Rodding	08/21/2009
13	4232	2120-0175	2120-0176	R w W O FOSS AV	Roots	Rodding	08/20/2009
14	4231	2020-0489	2020-0487	EASEMENT BY DEL MAR AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
15	4231	2120-0232	2120-0231	TENTH AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
16	4231	2121-0104	2121-0105	EASEMENT BY DANESWOOD DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
17	4221	1967-0120	2020-0477	EASEMENT BY LERIDA PL	Roots; root lateral	lateral notice will be sent to property owner	N/A
18	421D	2020-0566	2020-0565	EASEMENT BY LA MERCED RD	Roots; root lateral	lateral notice will be sent to property owner	N/A
19	4214	1967-0122	1967-0121	R w N O MARSH AV	Roots	Rodding	08/09/2009
20	4212	2020-0476	2020-0474	R W W O LERIDA RD	Roots	Rodding	08/21/2009
21	4211	2120-0235	2120-TRNK	TENTH AV	High Flow	Hydrojet	09/24/2010
22	413A	2120-0071	2120-0251	PECK RD	High Flow	Hydroed □ 60 days	07/22/2010
23	4137	2021-0143	2021-0142	HIGHPINE ST	Roots	Rodded □ 90 days	08/26/2010
24	4136	2121-0077	2121-0079	WILDFLOWER RD	Roots	Rodding	08/20/2009
25	4135	2121-0094	2121-0095	R W S O DANBURY ST	Roots	Rodding	08/20/2009
26	4134	2120-0167	2120-0166	R W W O WEIDMEYER AV	light root	Rodding	08/19/2009
27	4133	1967-0104	1967-0105	CATHRYN PL	Roots	Rodding	08/20/2009
28	4133	1967-0140	1967-0139	R W E O Cathryn Dr.	Roots	Rodding	09/14/2009
29	4133	2120-0166	2120-0165	R W W O WEIDMEYER AV	Roots	Rodding	08/19/2009
30	4132	1967-0155	1967-0156	EASEMENT BY TERESA AV	Medium and Fine Roots	Rodding	09/24/2010
31	4132	2020-0300	2020-0412	R W E O DELTA AV	Tap protruding into mainline	Hydro (millcutter)	09/18/2009
32	4132	2021-0088	2021-0089	DRAYER LN	Roots	Rodding	08/19/2009
33	4132	2021-0164	2021-0163	HAZEL AV	Roots	Rodding	08/19/2009
34	4132	2121-0077	2121-0076	WILDFLOWER RD	Roots	Rodding	08/20/2009
35	4132	2121-0100	2121-0101	R W S O DANESWOOD DRD	Roots □ Plumber's snake	Rodding	08/21/2009
36	4132	2121-0106	2121-0107	EASEMENT BY DANBURY ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
37	4131	2020-0533	2020-0534	MOONEY DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
38	4131	2120-0231	2120-0230	TENTH AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
39	4131	1967-0117	1967-0118	EASEMENT BY YOUNG AV	Deposits attached	Hydrojet	08/27/2009
40	4131	1967-0189	1967-0188	EASEMENT BY TOLL DR	Infil Runner inside MH	No action needed	N/A
41	4131	2020-0663	2020-0662	BLEWETT ST	Roots □ 193'	Rodding	08/20/2009
42	4131	2021-0018	2021-0019	ARROYO BV	Deposits attached and Roots	Hydrojet	06/29/2010
43	4131	2021-0087	2021-0088	DRAYER LN	Roots	Rodding	08/19/2009
44	4131	2021-0137	2021-0141	MUSCATEL AV	Roots	Rodder periodic	08/26/2010
45	4131	2021-0146	2021-TRNK	R W E O MUSCATEO AV	Roots	Rodding	09/24/2010
46	4131	2120-0072	2120-TRNK	PECK RD	High flow	Hydro periodic	07/22/2010
47	4131	2120-0151	2120-0152	R W E O DOOLITTLE AV	Roots	Rodding	08/19/2009
48	4131	2120-0157	2120-0114	LONG DEN AV	Roots □ Broken pipe	Rodding	09/18/2009
49	4131	2120-0163	2120-0164	R w E O FOSS AV	Roots	Rodding	09/18/2009
50	4131	2120-0251	2120-0072	PECK RD	High flow	Hydro periodic	07/22/2010

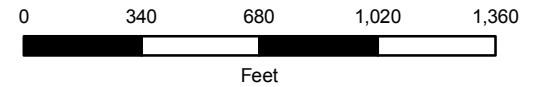
51	4131	2121-0105	2121-0106	R.W N.O DANESWOOD DRD	Roots	Rodding	08/20/2009
52	412G	1967-0118	2020-0475	EASEMENT BY YOUNG AV	Deposits attached	Hydrojet	08/27/2009
53	4122	2121-0134	2120-0225	FARNA AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
54	4121	2120-0052	2120-0053	FAIRGREEN AV	Unknow Materiel	Medium Grinds □ Scale	08/19/2009
55	411D	2020-0540	2020-0539	DEL MAR AV	Roots	Rodding	08/20/2009
56	411B	2021-0054	2021-0055	SCENIC DR	Roots	Rodding	08/19/2009
57	411D	2020-0270	2020-0292	EASEMENT BY SARAH ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
58	411C	2020-0505	2020-0506	SUNSIDE DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
59	411A	2120-0107	2120-0108	DOOLITTLE AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
60	411A	2020-0605	2020-0604	NANNESTAD ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
61	411A	2021-0057	2021-0056	DELTA ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
62	4119	2020-0602	2020-0599	ARLAND AV	Roots	Rodding	08/20/2009
63	4117	2020-0128	2020-0603	ARLAND AV	Roots	Rodding	08/20/2009
64	4117	2020-0506	2020-0507	SUNSIDE DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
65	4117	2121-0096	2121-0095	EASEMENT BY DANBURY ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
66	4114	2021-0136	2021-0137	MUSCATEL AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
67	4113	2121-0099	2121-0100	EASEMENT BY DANBURY ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
68	4113	2020-0520	2020-0519	STEDDOM DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
69	4113	2020-0476	2020-0475	R.W W/O LERIDA RD.	Roots	Rodding	08/21/2009
70	4113	2020-0541	2020-0547	MIRALINDA DR	light root	Hydrojet	08/20/2009
71	4112	2021-0165	2021-0164	HAZEL AV	light root	Rodding	08/19/2009
72	4112	2121-0086	2121-0087	DAINES DR	Roots □ 163.5'	Rodding	08/19/2009
73	4112	2121-0148	2121-0149	Graypark Ave	Water level is high	No action needed	N/A
74	4112	2020-0676	2020-0675	CELITO DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
75	4112	2120-0091	2120-0094	FAIRGREEN AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
76	4112	2020-0552	2020-0291	DELTA AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
77	4112	1967-0103	1967-0102	EASEMENT BY CATHRYN DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
78	4111	2120-0143	2120-0131	BIRCHCROFT ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
79	4111	2121-0080	2121-0081	R.W E.O SANTA ANITA AV	light root	Rodding	08/20/2009
80	4100	1967-0165	1967-0166	EASEMENT BY REDDING AV	Infil Runner inside 37'	No action needed	N/A
81	4100	2120-0230	2120-0229	TENTH AV	Roots	Hydrojet	09/18/2009
82	4100	2120-0252	2120-0251	EASEMENT BY PECK RD	Water level is high	No action needed	N/A
83	4100	2020-0607	2020-0606	EASEMENT BY LAKE KNOLL DR	Roots; root lateral	lateral notice will be sent to property owner	N/A
84	4100	2120-0124	2120-0125	LARKFIELD AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
85	4100	2120-0120	2120-0121	ASHMONT AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
86	4100	2020-0547	2020-0549	NANNESTAD ST	Roots; root lateral	lateral notice will be sent to property owner	N/A
87	4100	2020-0501	2020-TRNK	EASEMENT BY REDDING AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
88	4100	2020-0580	2020-0579	EASEMENT BY REDDING AV	Roots; root lateral	lateral notice will be sent to property owner	N/A
89	4100	1967-0091	1967-0115	EASEMENT BY MOONEY DR	Roots; root lateral	lateral notice will be sent to property owner	N/A

ENCLOSURE 2

CCTV PROJECT YOTV0809A

Supervisorial District 1
Unincorporated County
of Los Angeles

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

SMD Treatment Plants

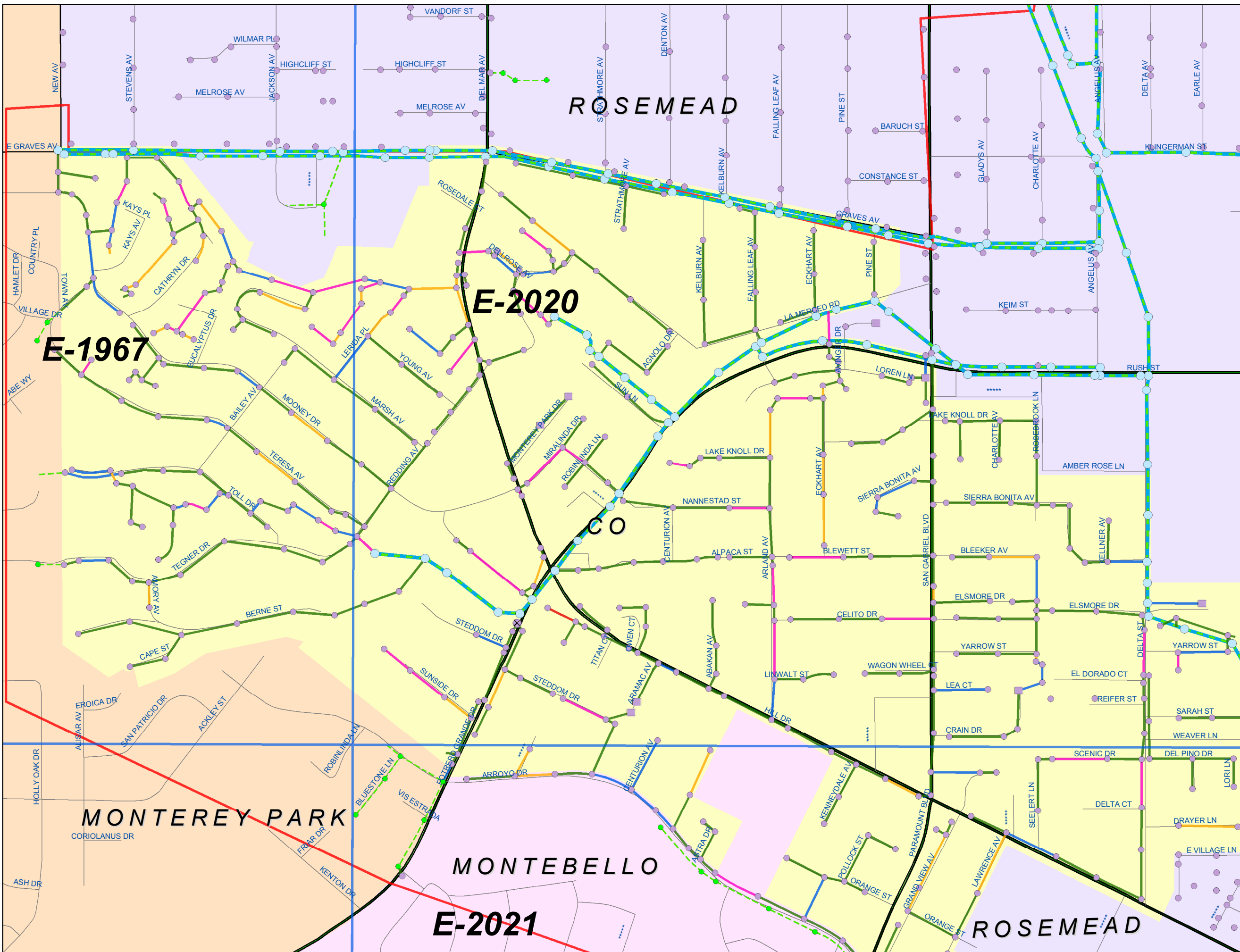
Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- Parcel Boundary
- SMD Operations Maps
- YOTV0809A

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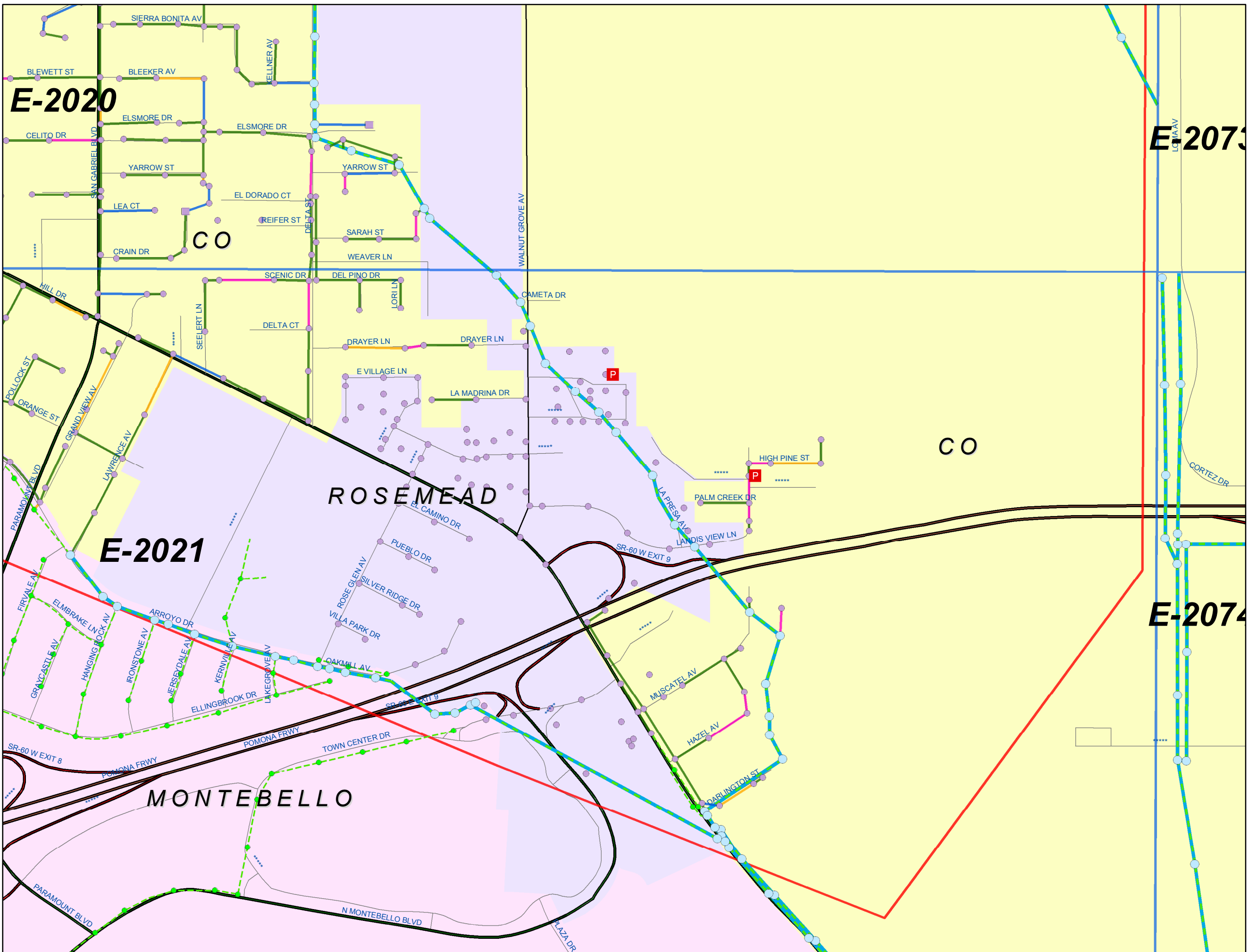
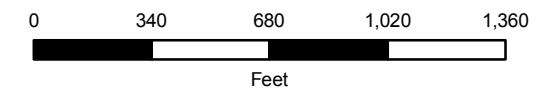


ENCLOSURE 2

CCTV PROJECT YOTV0809A

Supervisorial District 1
Unincorporated County
of Los Angeles

QUICK MAINTENANCE RATING (QMR)



- Legend**
- SMD Sanitary Sewers**
- QMR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION
- SMD Manholes**
- Other
- Manhole Type**
- Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - SMD Pump Satations
- WTP** SMD Treatment Plants
- Maintained by Others:**
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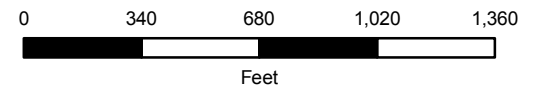
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ENCLOSURE 2

CCTV PROJECT YOTV0809A

Supervisorial District 5
Unincorporated County
of Los Angeles

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

Other

Manhole Type

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

SMD Treatment Plants

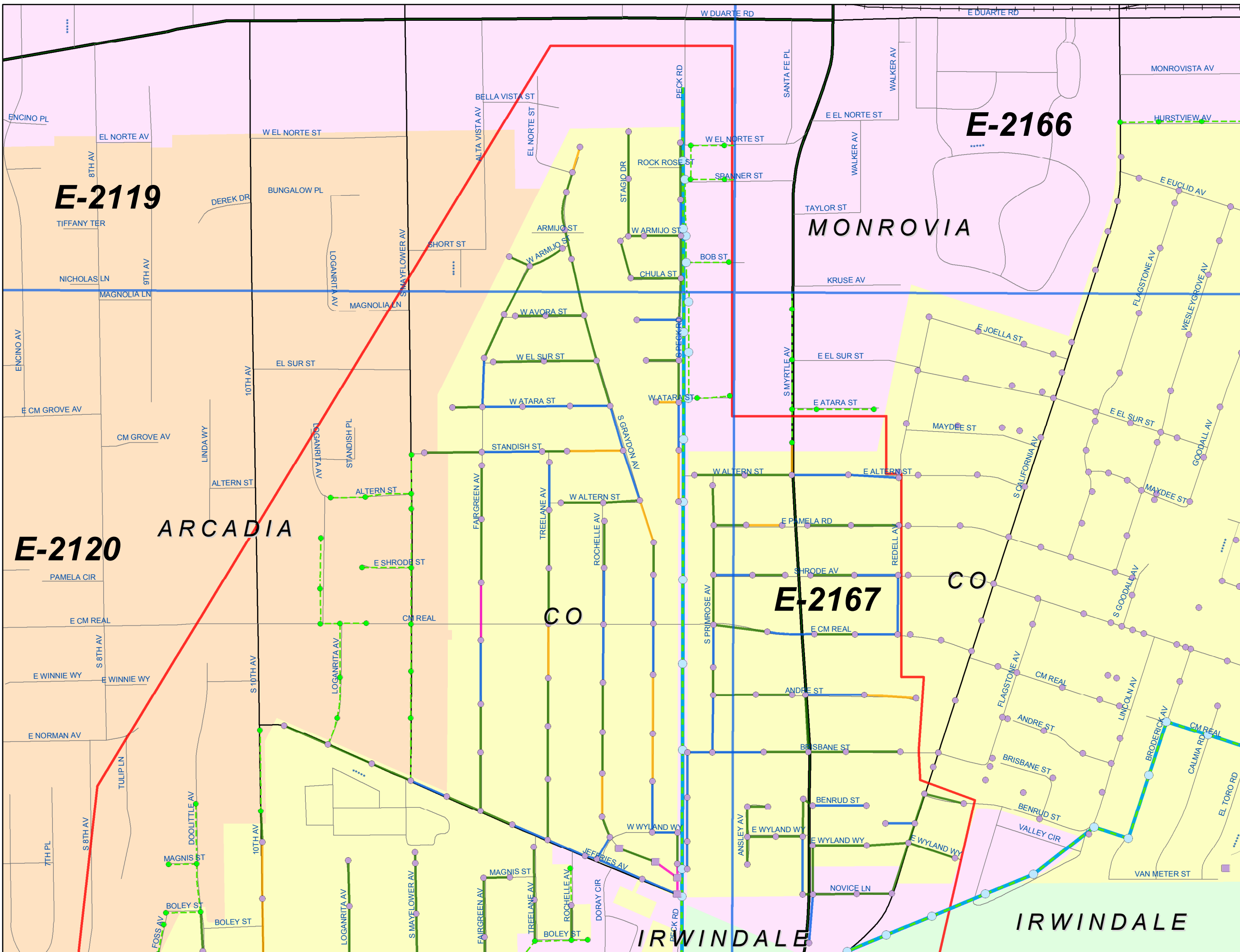
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MAY 2010

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E-2119

E-2166

MONROVIA

E-2120

ARCADIA

E-2167

CO

CO

IRWINDALE

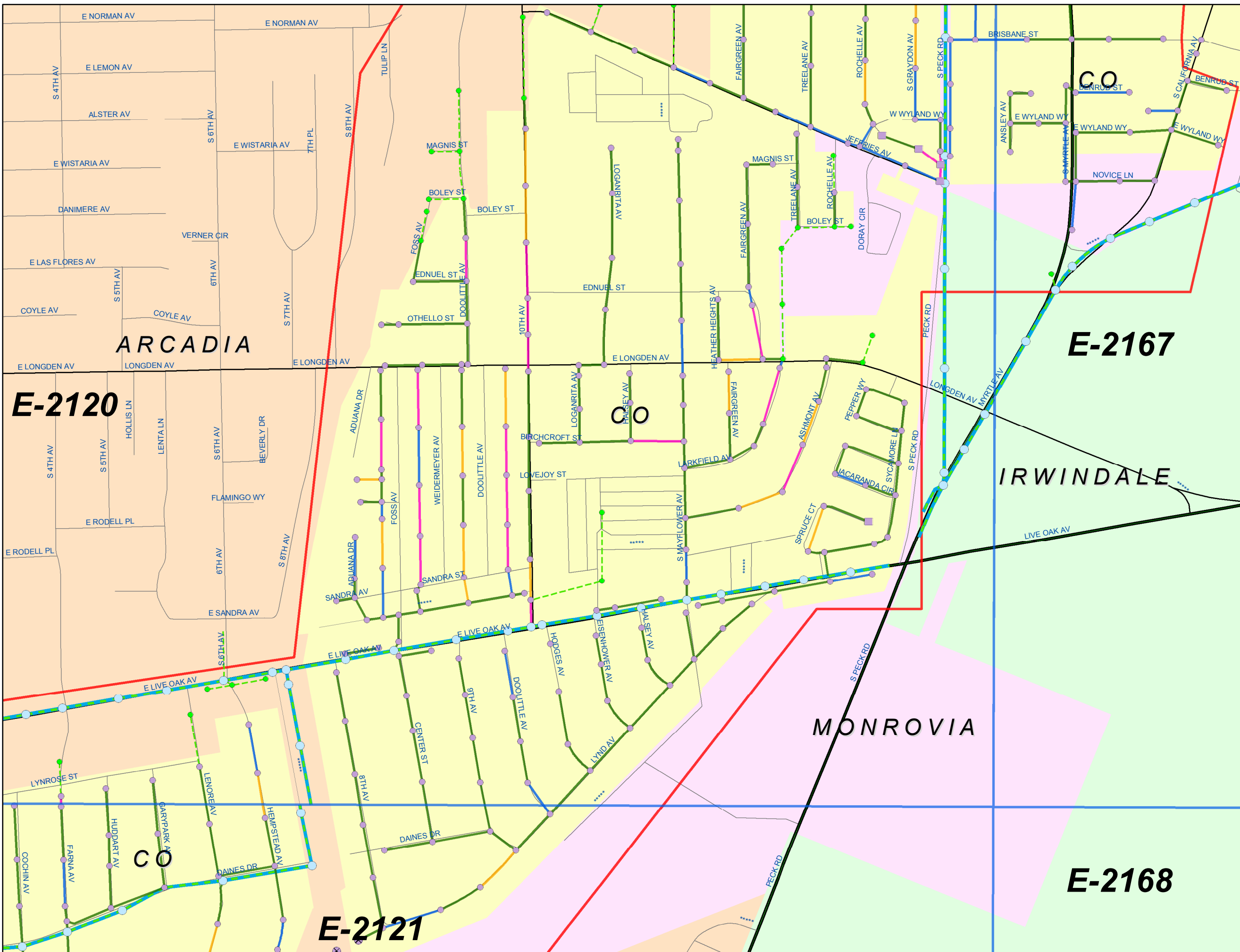
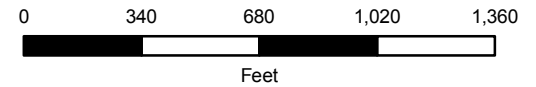
IRWINDALE

ENCLOSURE 2

CCTV PROJECT Y0TV0809A

Supervisorial District 5
Unincorporated County
of Los Angeles

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
- SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- Parcel Boundary
- SMD Operations Maps
- Y0TV0809A

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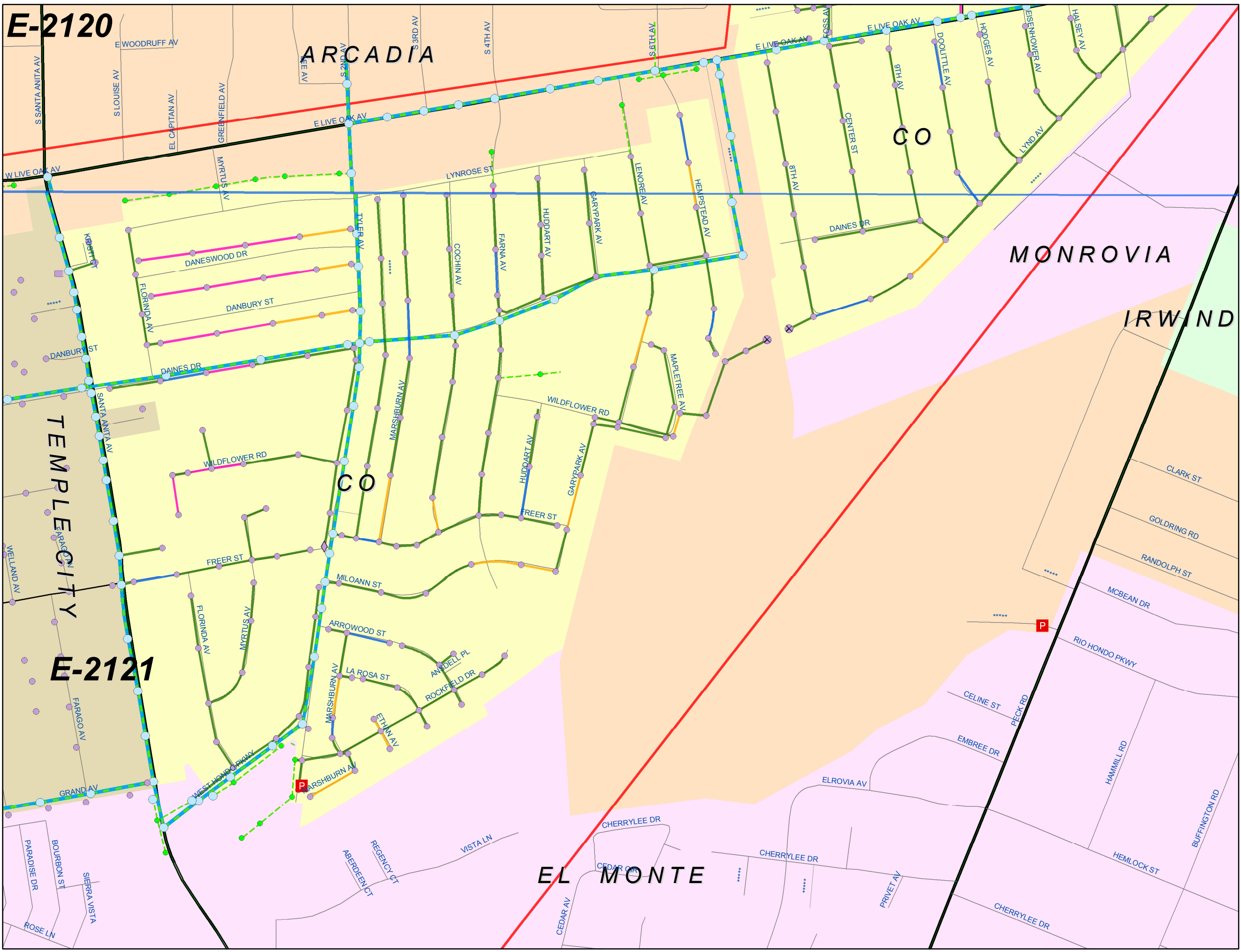
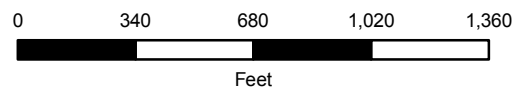
MAY 2010

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E-2120

E-2121

ENCLOSURE 2
CCTV PROJECT
YOTV0809A
Supervisory District 5
Unincorporated County
of Los Angeles
QUICK
MAINTENANCE
RATING
(QMR)



- Legend**
- SMD Sanitary Sewers**
- QMR**
- 1: EXCELLENT
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ENCLOSURE 2
HIGH WATER LEVELS
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0809A)
as of 01/23/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	SAG (ft)
1	4211	2120-0235	2120-TRNK	TENTH AV	Sag (high water level) (35□ -50□): 40'-167'	127'
2	413A	2120-0071	2120-0251	PECK RD	Sag (high water level) (50□ -100□): 20'-98'	78'
3	4131	2120-0072	2120-TRNK	PECK RD	Sag (high water level) (100□): 0'-31'	31'
4	4131	2120-0251	2120-0072	PECK RD	Sag (high water level) (100□): 0'-80'	80'
5	4112	2121-0148	2121-0149	Graypark Ave	Sag (high water level) (30□ -40□): 50'-300'	250'

ENCLOSURE 2
INFILTRATION
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0809A)
as of 01/23/09

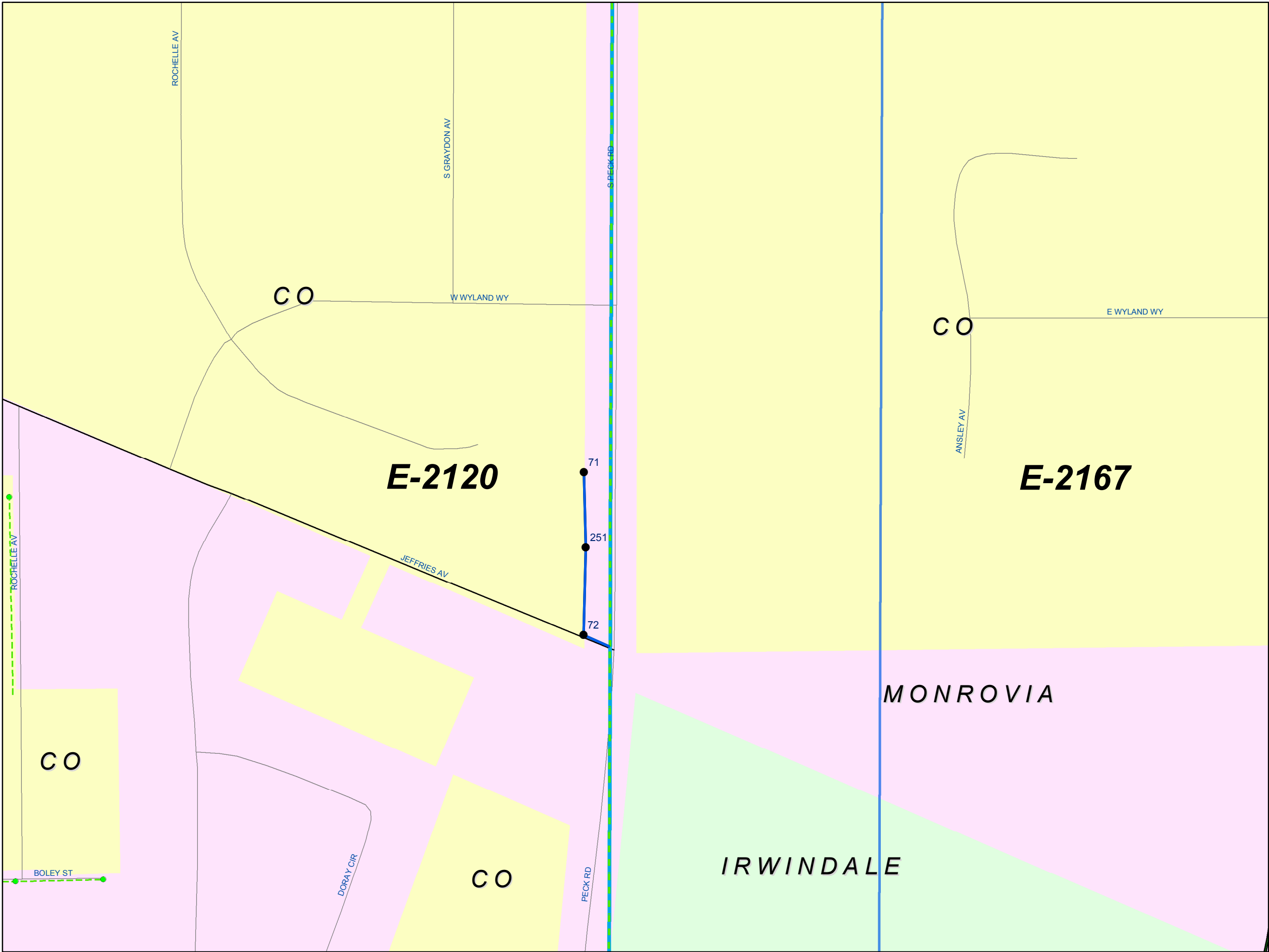
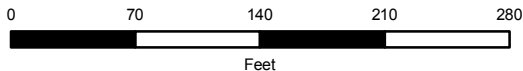
Item No.	QMR	START MH	END MH	STREET	OBSERVATION	Proposed Corrective Method
1	4131	1967-0189	1967-0188	EASEMENT BY TOLL DR	Infil Runner inside MH	No action needed.
2	4100	1967-0165	1967-0166	EASEMENT BY REDDING AV	Infil Runner inside 37'	No action needed.

ENCLOSURE 2

CCTV PROJECT Y0TV0809A

Supervisorial District 5
Unincorporated County
of Los Angeles

HIGH WATER LEVEL



Legend

- High Water Levels
- SMD Manholes
- SMD Pump Stations
- SMD Treatment Plants
- Maintained by Others:
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- Non SMD Maintained MH
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ENCLOSURE 2

CCTV PROJECT

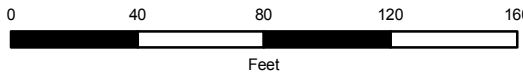
Y0TV0809A

Supervisorial District 5

Unincorporated County

of Los Angeles

HIGH WATER LEVEL



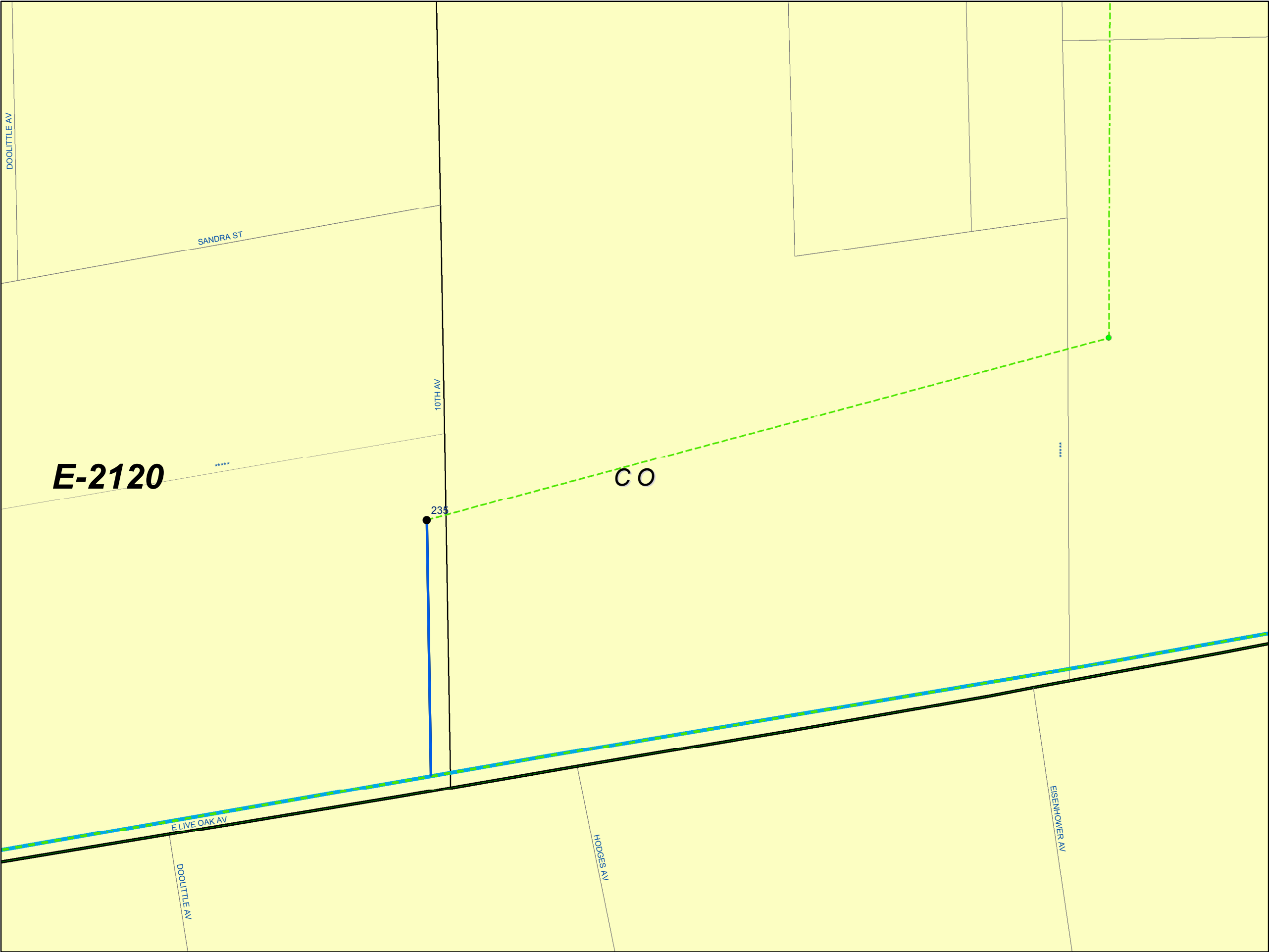
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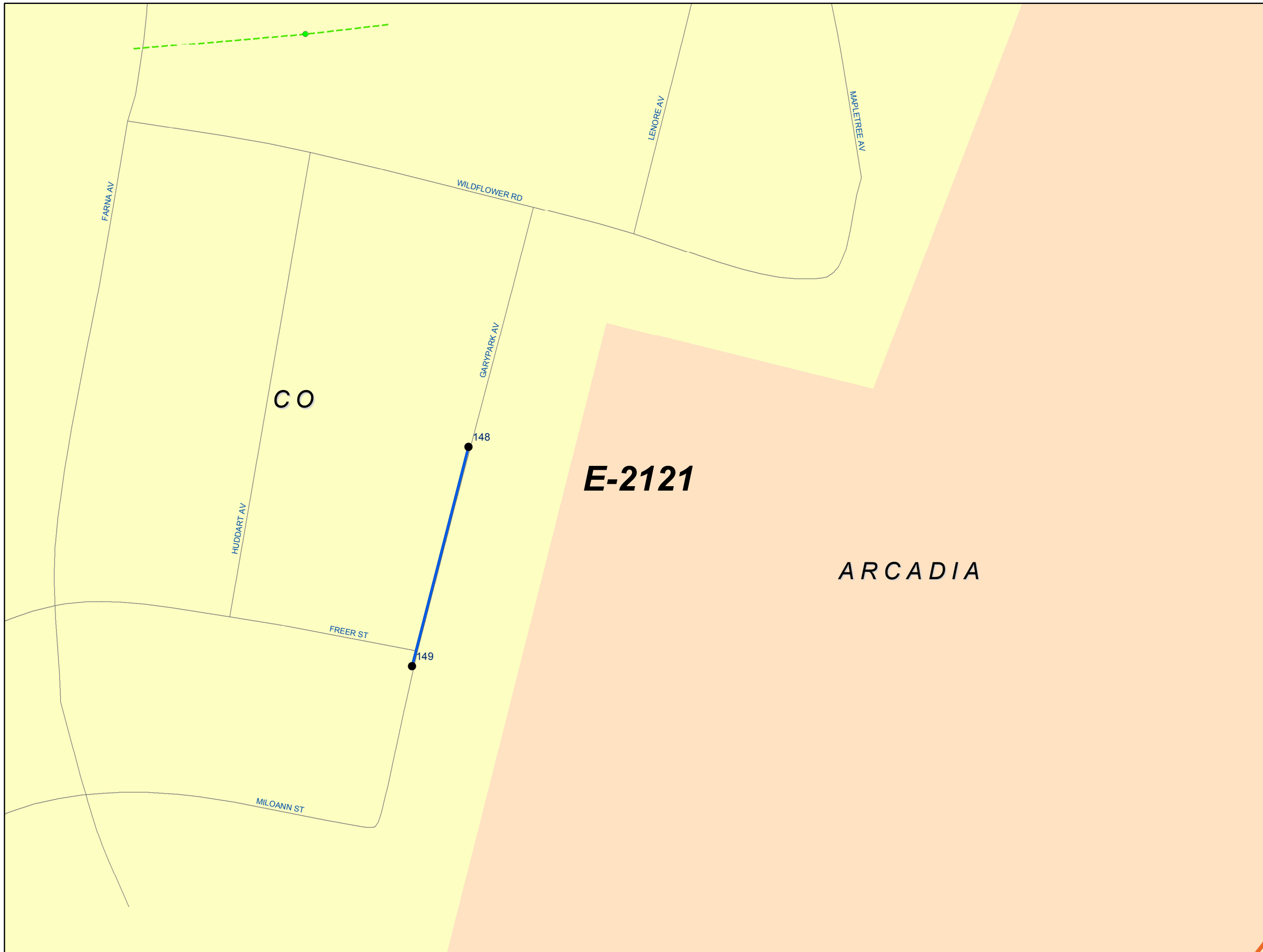
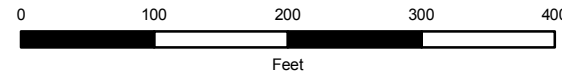


ENCLOSURE 2

CCTV PROJECT Y0TV0809A

Supervisorial District 5
Unincorporated County
of Los Angeles

HIGH WATER LEVEL



Legend

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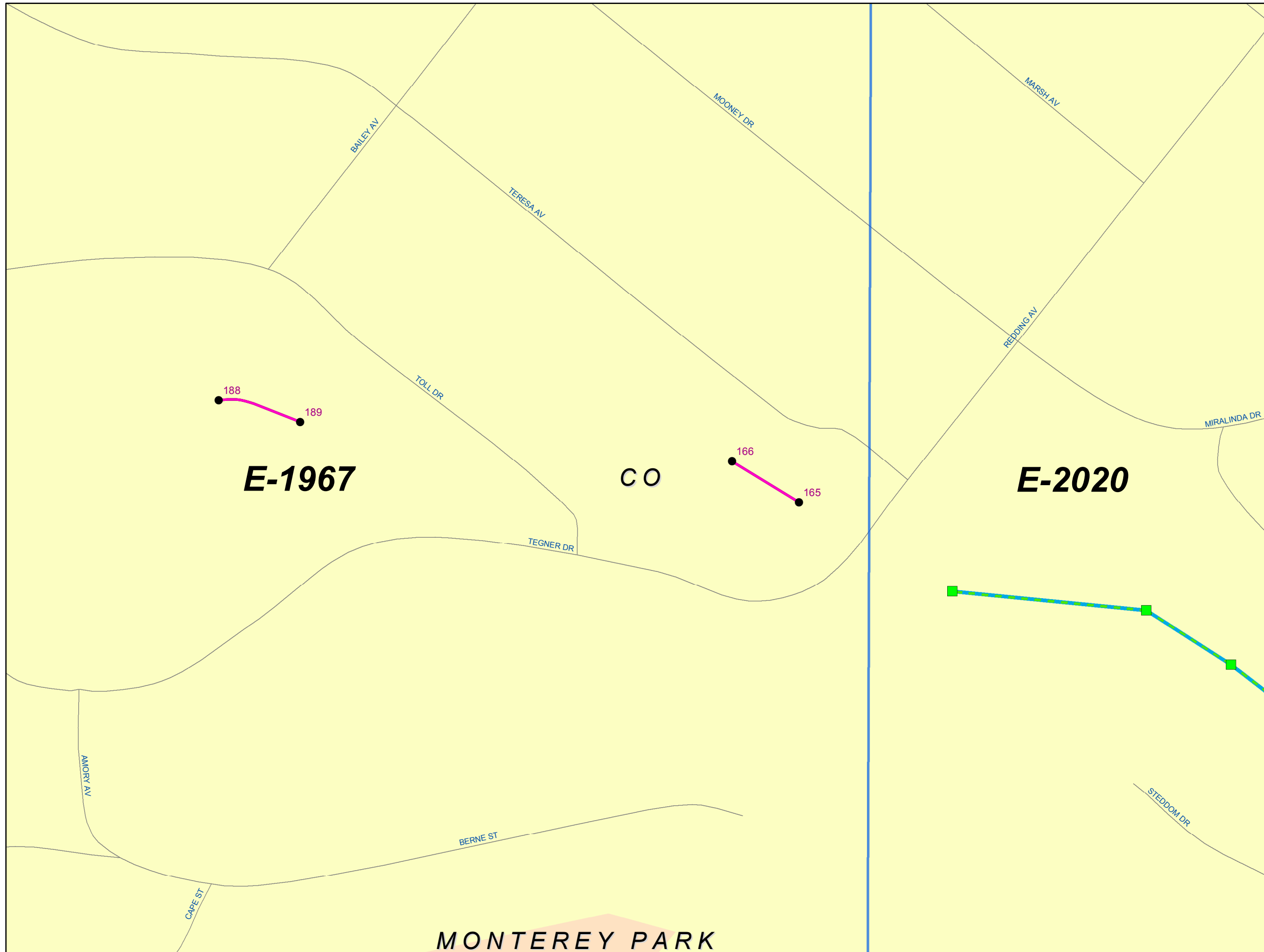
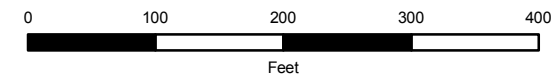
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ENCLOSURE 2

CCTV PROJECT YOTV0809A

Supervisorial District 5
Unincorporated County
of Los Angeles

INFILTRATION



Legend

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NOVEMBER 2010

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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.

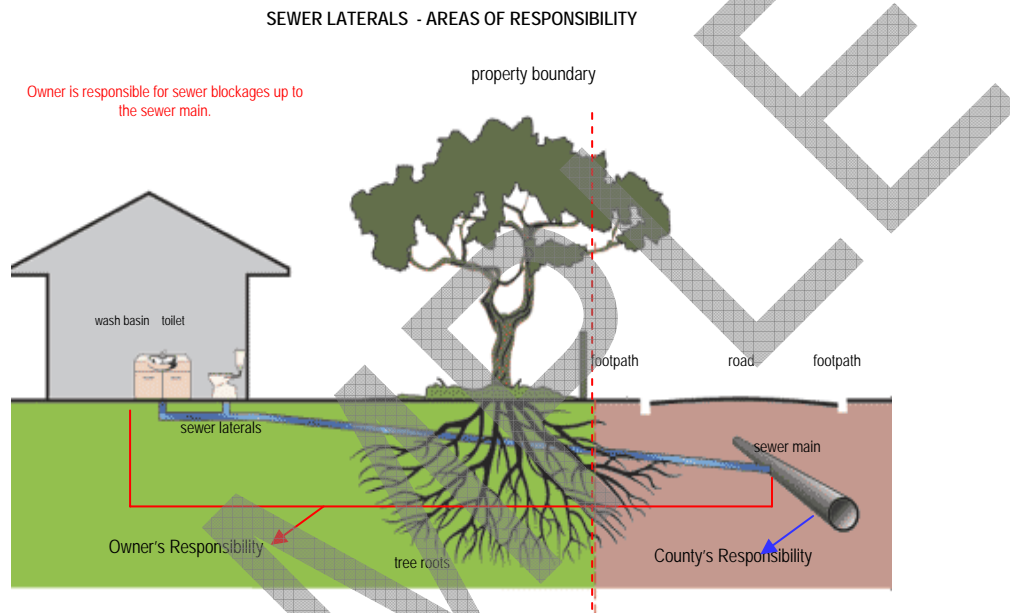
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

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
UNINCORPORATED COUNTY OF LOS ANGELES (Y0TV0809A)

as of 01/23/09

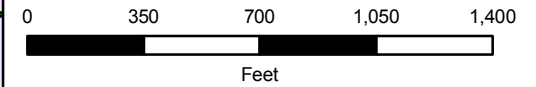
Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	5221	2021-0036	2021-0020	EASEMENT BY ARROYO DR	Concrete Pipe (?): 230' - End MH	Lining: MH to MH	287
2	5200	2121-0104	2121-0105	EASEMENT BY DANESWOOD DR	Hole with soil visible at the pipe crown: 161'	Structural integrity intact. No action needed.	
3	5135	2120-0062	2120-0068	GRAYDON AV	Broken: 339'; cracks	Lining: MH to MH	345
4	5135	2120-0019	2120-0020	PECK RD	Broken: 240'; cracks	Lining: MH to MH	251
5	5134	2020-0485	2020-0486	EASEMENT BY DEL MAR AV	Broken: 15'; fractures	Lining: MH to MH	125
6	5133	2020-0718	2020-TRNK	SIERRA BONITA AV	Broken at lateral connection with concrete visible: 75'	Point Repair (East Yard): 75'; Lining: MH to MH	
7	5132	2121-0252	2121-0253	HEMPSTEAD AV	Broken: 75', fractures and cracks	Lining: MH to MH	196
8	5132	2020-0475	2020-0476	EASEMENT BY LERIDA PL	Broken: 35'	Point Repair (East Yard)	
9	5131	2120-0016	2120-0017	STANDISH ST	Broken with soil visible: 347'	Point Repair (East Yard)	
10	5128	2120-0220	2120-0221	HEMPSTEAD AV	Broken: 71'; fractures and cracks	Lining: MH to MH	330
11	5127	1967-0139	1967-0114	EASEMENT BY EUCALYPTUS DR	Fractures: 76', 229'; cracks	Lining: MH to MH	288
12	5122	2021-0022	2021-0021	ARROYO BV	Hole with concrete patch visible: 77'; large joint offset: 222'	Point Repair (East Yard): 222'	
13	5121	2120-0207	2120-0206	DOOLITTLE AV	Broken with soil visible: 151'	Point Repair (East Yard)	
14	5114	2021-0032	2021-0031	LAWRENCE AV	Broken: 123'; cracks	Lining: MH to MH	354
15	5111	2021-0001	2021-CITY	POTRERO GRANDE DR	Hole with soil visible: 50'	Structural integrity intact. No action needed.	
16	5100	2021-0020	2021-0021	ARROYO BV	Hole with void visible: 139'; concrete pipe	Lining: MH to MH	
17	5100	2021-0144	2021-0143	HIGHPINE ST	Broken: 205'	Structural integrity intact. No action needed.	
18	5100	2021-0022	2021-TRNK	ARROYO DR	Hole with joint band visible: 3'	Structural integrity intact. No action needed.	
19	5100	2120-0133	2120-0134	MAYFLOWER AV	Broken with soil visible: 60'	Point Repair (East Yard)	
20	4437	1967-0147	1967-0100	EASEMENT BY CATHRYN DR	Fractures: 3', 213', 220', 252'; cracks	Lining: MH to MH	343
21	4231	1967-0109	1967-0110	EASEMENT BY CATHRYN PL	Fractures: 142', 146', 152'; cracks	Lining: MH to MH	199
22	4132	1967-0100	1967-0101	EASEMENT BY CATHRYN DR	Fractures: 10', 30'; cracks	Lining: MH to MH	44
23	4132	2020-0476	2020-0474	EASEMENT BY LERIDA PL	Broken: 41', fractures 17', 34'	Point Repair (East Yard)	123
24	4131	2120-0099	2120-0100	MAYFLOWER AV	Broken, deformed: 281'; fractures: 328'	Point Repair (East Yard)	
25	4131	2121-0072	2121-TRNK	TYLER AV	Broken: 3'	Lining: MH to MH	10
26	4131	1967-0122	1967-0121	EASEMENT BY CATHRYN PL	Fractures: 81'; cracks	Structural integrity intact. No action needed.	
27	4124	2121-0065	2121-0063	FREER ST	Fractures: 224'; cracks	Lining: MH to MH	239
28	4123	2020-0655	2020-TRNK	SAN GABRIEL BV	Fractures and cracks	Structural integrity in tact. No action needed.	
29	4121	2021-0153	2021-0152	SAN GABRIEL BV	Fractures: 21'	Lining: MH to MH	48
30	4111	2020-0537	2020-0536	POTRERO GRANDE DR	Hole with concrete patch visible: 2'	Structural integrity in tact. No action needed.	
31	4100	2020-0757	2020-0756	WAGONWHEEL CT	Fracture: 2'	Structural integrity in tact. No action needed.	
32	4100	2120-0124	2120-CITY	LONGDEN AV	Fractures: 64'	Lining: MH to MH	80
33	4100	2020-0525	2020-0594	HILL DR	Fractures: 81'	Structural integrity in tact. No action needed.	
34	4100	1967-0170	1967-0169	EASEMENT BY TOLL DR	Fractures: 29'	Structural integrity in tact. No action needed.	
35	4100	2020-0300	2020-0412	EASEMENT BY YARROW ST	Broken with soil visible: 150'	Point Repair	

ENCLOSURE 3

CCTV PROJECT YOTV0809A

Supervisory District 1
Unincorporated County
of Los Angeles

QUICK STRUCTURAL RATING (QSR)



Legend

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QSR

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- 2: GOOD
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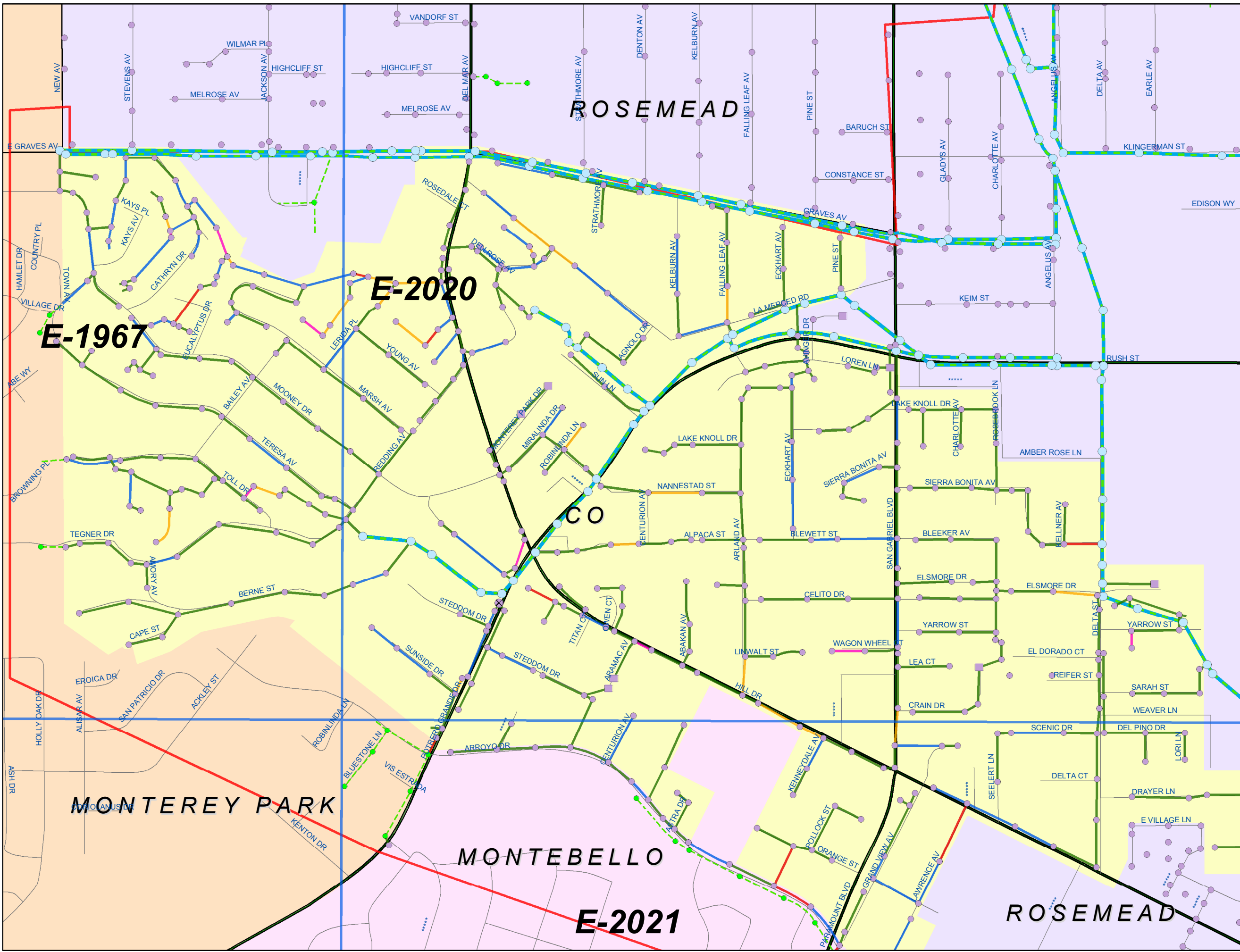
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ROSEMEAD

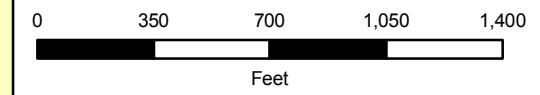
CO

MONTEREY PARK

MONTEBELLO

ROSEMEAD

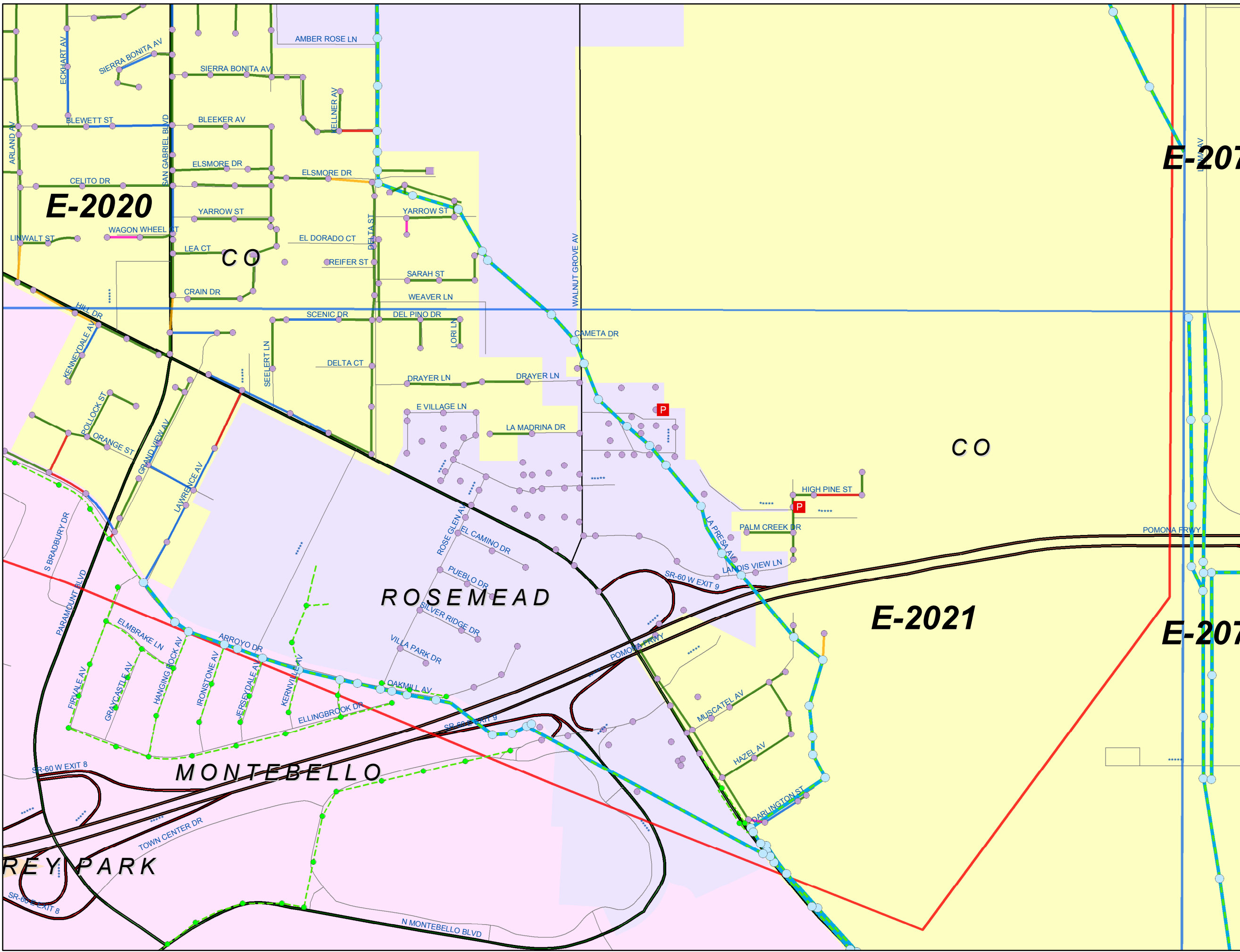
ENCLOSURE 3
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QUICK
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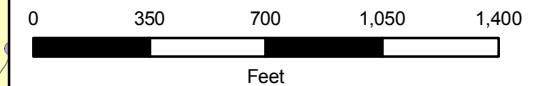


ENCLOSURE 3

CCTV PROJECT YOTV0809A

Supervisory District 5
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QUICK STRUCTURAL RATING (QSR)



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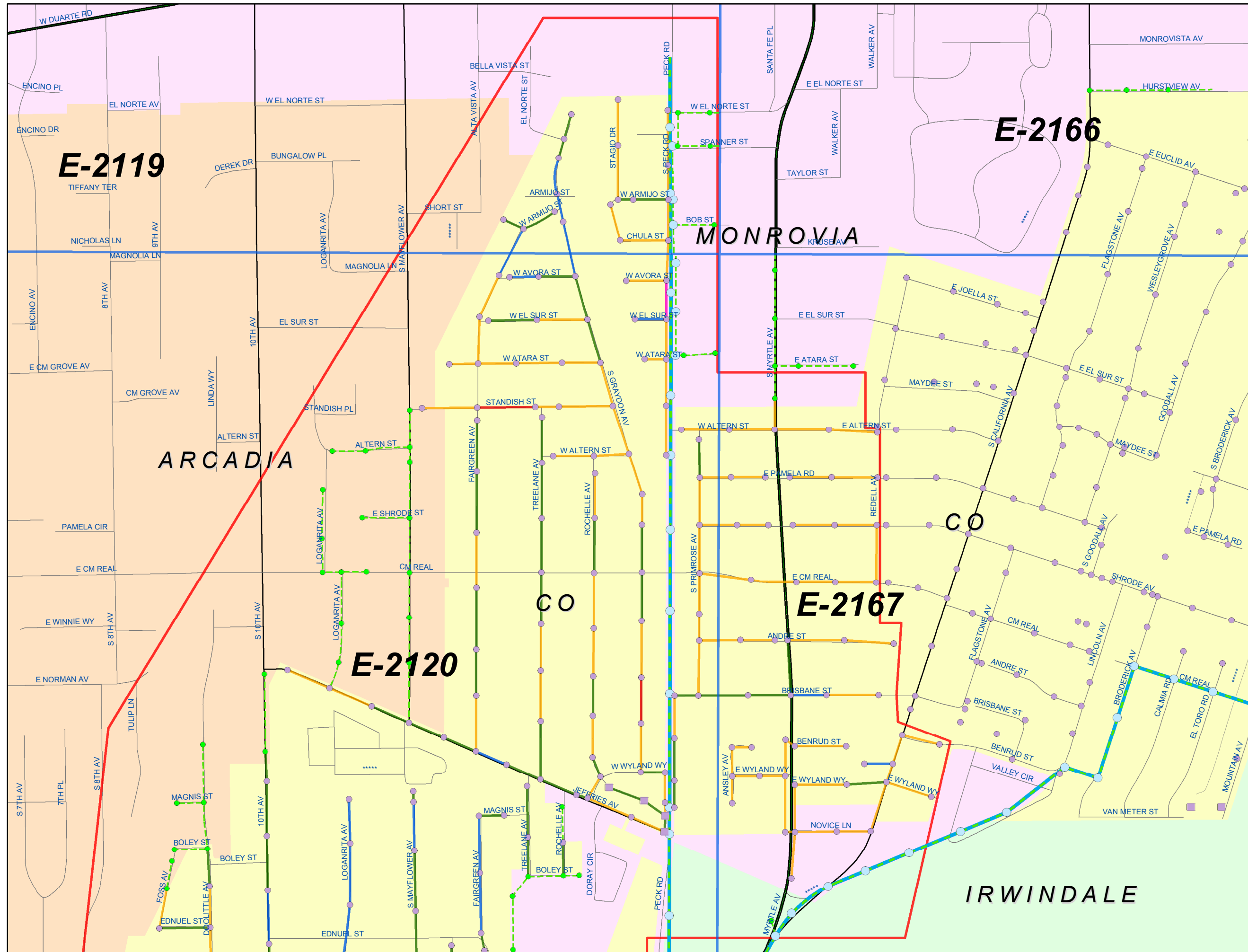
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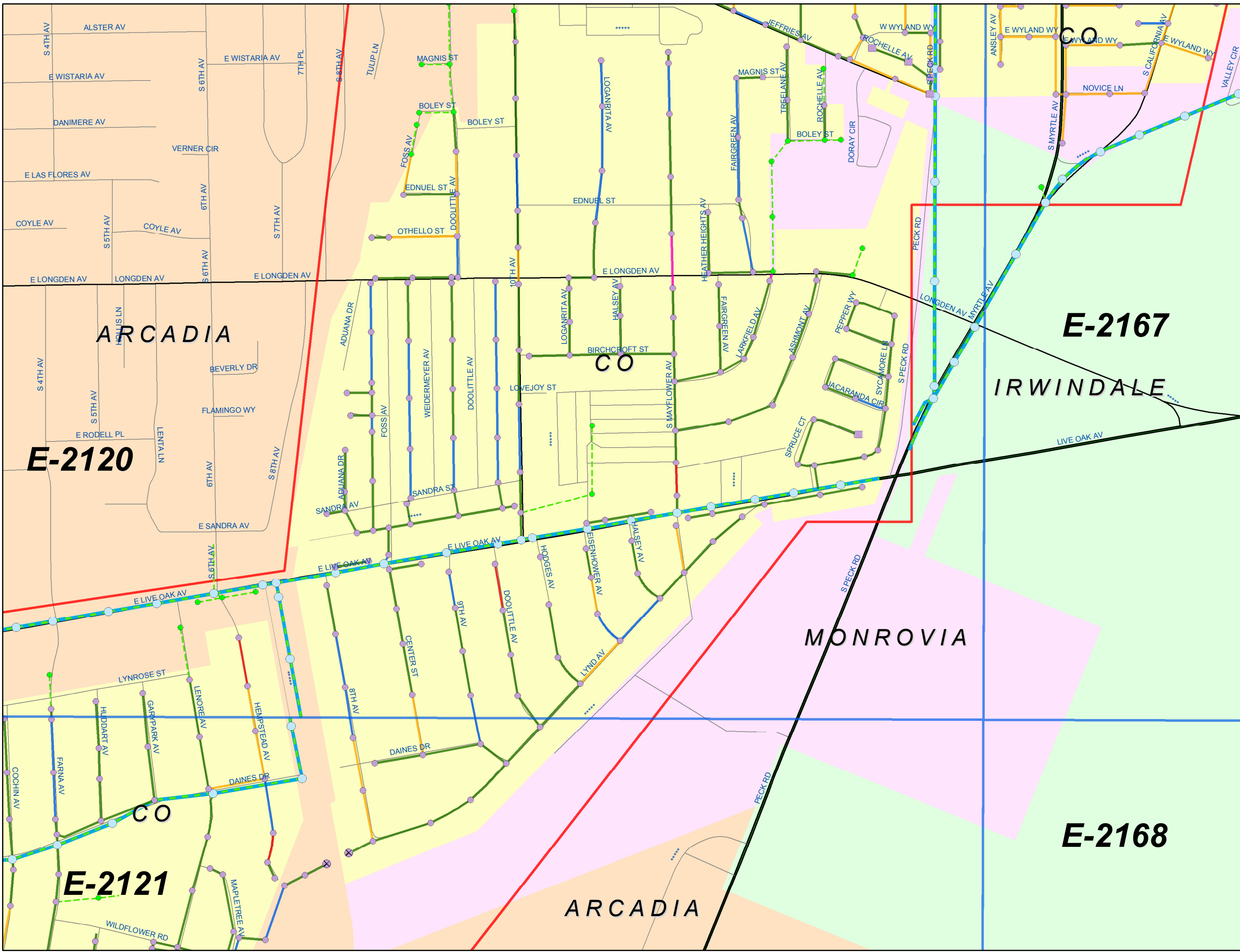
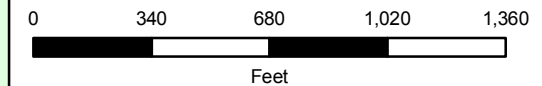


ENCLOSURE 3

CCTV PROJECT YOTV0809A

Supervisory District 5
Unincorporated County
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- SMD Operations Maps
- YOTV0809A

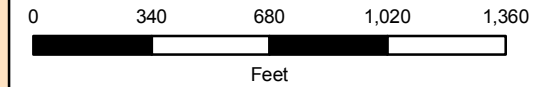
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ENCLOSURE 3

CCTV PROJECT YOTV0809A

Supervisory District 5
Unincorporated County
of Los Angeles

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

Other

Manhole Type

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

SMD Treatment Plants

WTP

Maintained by Others:

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

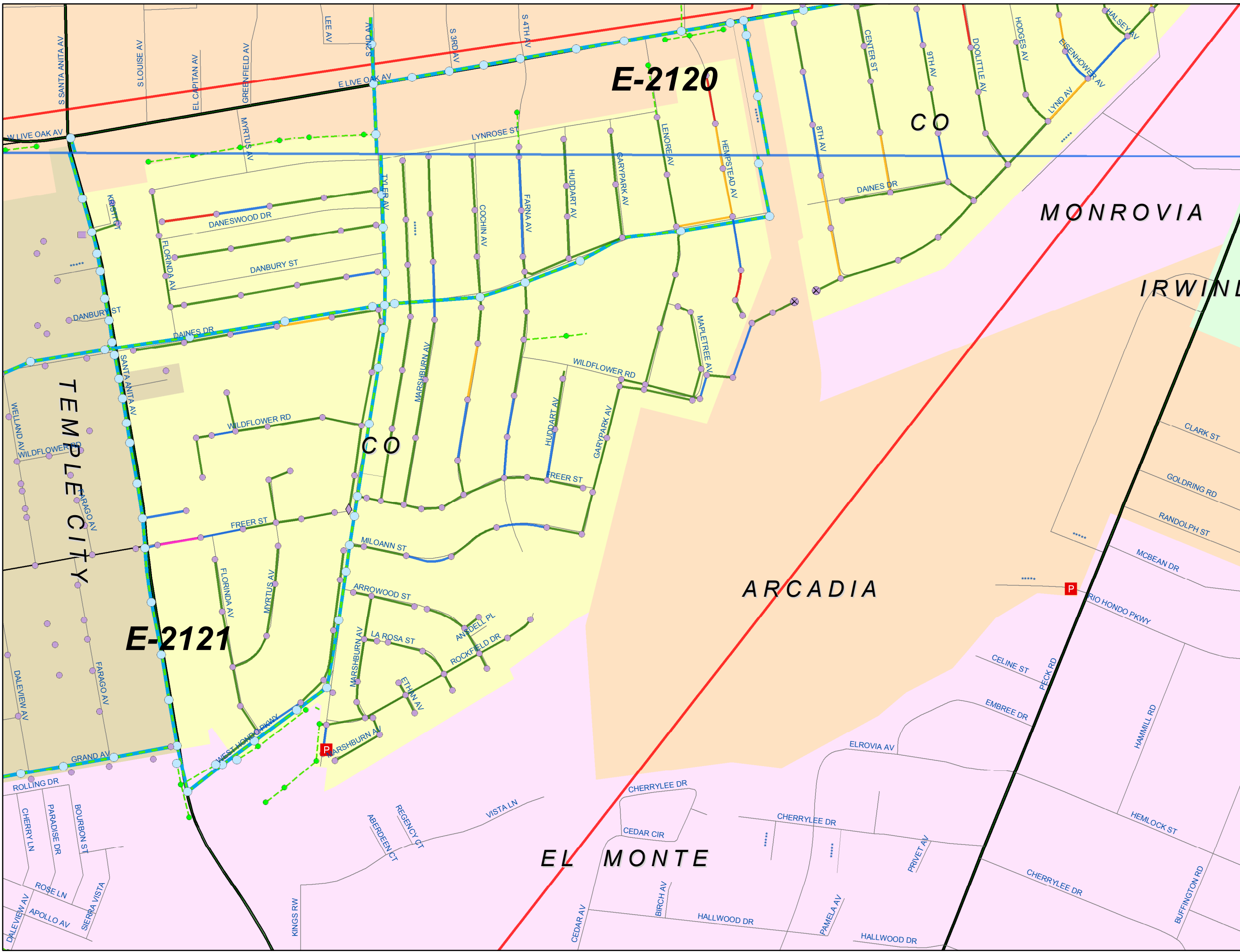
Parcel Boundary

SMD Operations Maps

YOTV0809A

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MAY 2010
0809A_ZLAE_QSR.mdx



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20081212	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3518	PSR: 18834
Total Pipe Length: 84.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2021

Street: SAN GABRIEL BV	Flow Control: Not Controlled	Start MH: 2021-0153
City: ZLAE	Year Renewed:	End MH: 2021-0152
Location Code: Light Highway	Tape/Media # R311-076	pipe length: 48.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0152 2021-0153 2021	Lining Method:
	Category:

Remark::

1:125	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0153	00:00:31	4023	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:41	4024, b	M 1
	5.00	Water Level, 5", within 8 inch: NO	00:01:26	4026	M 2
	8.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:54	4027	
	14.90	Fracture Circumferential, from 11 to 1 o'clock, within 8 inch: YES	00:02:23	4028, b	S 2
	21.50	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: NO	00:03:43	4030, b	S 4
	48.20	Manhole, within 8 inch: NO, Remarks: 2021-0152	00:05:07	4032	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2111	6	3	9	3	1.5	2.25



Inspection report

Date: 20081112	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 545	PSR: 19177
Total Pipe Length: 127.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: 0	Flow Control: Not Controlled	Start MH: 2020-0485
City: ZLAE	Year Renewed	End MH: 2020-0486
Location Code: Easement Right of Way	Tape/Media # A046	pipe length: 124.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0485 2020-0486 2020	Lining Method:
	Category:

Remark::

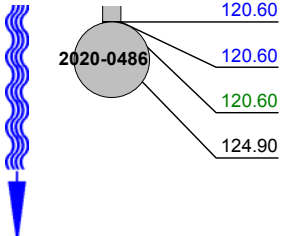
1:264	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0485	00:00:54	2703	
	5.00	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:03:07	2704	
	5.00	Crack Circumferential, from 2 to 8 o'clock, within 8 inch: YES	00:03:39	2705	S 1
	6.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:04:47	2706, b	S 1
	6.10	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:05:14	2708	S 3
	6.10	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:05:25	2709	S 3
	10.10	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:05:59	2710, b	S 3
	10.10	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:09	2712, b	S 3
	15.40	Broken Soil Visible, from 4 to 8 o'clock, within 8 inch: YES	00:07:17	2714, b	S 5
	19.40	Fracture Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:08:25	2716	S 2
	70.70	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:10:18	2717, b	S 1
	75.60	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:10:54	2719, b	S 2
	75.60	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:11:06	2721, b	S 2
	77.90	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:11:41	2723, b	S 1
	77.90	Crack Longitudinal, at 4 o'clock, within 8 inch: NO	00:11:53	2725, b	S 2
	77.90	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:12:04	2727, b	S 2
	80.40	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:12:43	2729, b	S 1
	80.40	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:12:56	2731, b	S 2
	97.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:55	2733	
	110.70	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:14:29	2734, b	S 2
	110.70	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:14:44	2736, b	S 1
	117.70	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:21	2738	



Inspection report

Date: 20081112	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 545	PSR: 19177
Total Pipe Length: 127.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2020

1:264	position	observation	MPEG	photo	grade
	120.60	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:15:37	2739	S 2
	120.60	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:16:04	2740	S 2
	120.60	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:16:15	2741	S 1
	124.90	Manhole, within 8 inch: NO, Remarks: 2020-0486	00:16:50	2742	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5134	0000	42	0	42	2	0	2



Inspection report

Date: 20081112	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 891	PSR: 18937
Total Pipe Length: 210.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date: 11.07.2008	Pre-Cleaned: Jetting	Map Grid # 2020

Street: WAGONWHEEL CT	Flow Control: Not Controlled	Start MH: 2020-0757
City: ZLAE	Year Renewed	End MH: 2020-0756
Location Code: Light Highway	Tape/Media # R311-056	pipe length: 206.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0756 2020-0757 2020	Lining Method:
	Category:

Remark::

1:475	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0757	00:00:26	5609	
	2.00	Fracture Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:01:01	5610, b	S 4
	8.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:02:04	5612	
	11.30	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:02:27	5613	
	12.40	Water Level, 5", within 8 inch: NO	00:02:41	5614	M 2
	17.30	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 5'	00:03:06	5615	
	19.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:03:20	5616	
	21.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:03:38	5617	
	65.90	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:04:41	5618	
	68.30	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:05:06	5619	
	126.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:06:31	5620	
	128.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:06:50	5621	
	186.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:08:34	5622	
	189.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:08:51	5623	
	206.40	Vermin Cockroach, within 8 inch: NO	00:09:52	5624, b	M 1
	206.40	Manhole, within 8 inch: NO, Remarks: 2020-0756	00:10:06	5626	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2111	4	3	7	4	1.5	2.33



Inspection report

Date: 20081117	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 929	PSR: 19227
Total Pipe Length: 190.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2020

Street: POTRERO GRANDE DR	Flow Control: Not Controlled	Start MH: 2020-0537
City: ZLAE	Year Renewed:	End MH: 2020-0536
Location Code: Light Highway	Tape/Media ☐: A049	pipe length: 201.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0536 2020-0537 2020	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0537	00:00:20	541	
	2.00	Broken, from 11 to 1 o'clock, within 8 inch: NO	00:13:38	542, b	S 4
	6.00	Water Level, 5 ☐, within 8 inch: NO	00:14:23	544	M 2
	6.00	Water Mark, 10 ☐, within 8 inch: NO	00:14:32	545	M 2
	9.80	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:14:54	546	
	91.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:29	547	
	165.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:19:52	548	
	190.70	Crack Circumferential, from 1 to 2 o'clock, within 8 inch: YES	00:20:58	549, b	S 1
	197.40	Roots Medium Joint, from 9 to 5 o'clock, 15 ☐, within 8 inch: YES	00:21:58	551, b	
	201.20	Manhole, within 8 inch: NO, Remarks: 2020-0536	00:22:47	553	

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



Inspection report

Date: 20081119	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 965	PSR: 18959
Total Pipe Length: 270.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2021

Street: ARROYO BV	Flow Control: Not Controlled	Start MH: 2021-0020
City: ZLAE	Year Renewed:	End MH: 2021-0021
Location Code: Light Highway	Tape/Media # A051	pipe length: 269.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0020 2021-0021 2021	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0020	00:00:23	1058	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:28	1059	M 1
	6.00	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:00:54	1060	
	6.00	Water Level, 15", within 8 inch: NO	00:01:05	1061	M 2
	6.00	Water Mark, 20", within 8 inch: NO	00:01:12	1062	M 2
	106.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:28	1063	
	106.30	Vermin Cockroach, within 8 inch: NO	00:05:38	1064	M 1
	139.10	Hole Soil Visible, from 11 to 1 o'clock, within 8 inch: NO	00:07:04	1065, b	S 5
	155.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:04	1067	
	207.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:56	1068	
	243.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:18	1069	
	269.40	Vermin Cockroach, within 8 inch: NO	00:12:18	1070	M 1
269.40	Manhole, within 8 inch: NO, Remarks: 2021-0021	00:12:27	1071		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2213	5	7	12	5	1.4	2



Inspection report

Date: 20081119	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 967	PSR: 18961
Total Pipe Length: 304.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2021

Street: ARROYO BV	Flow Control: Not Controlled	Start MH: 2021-0022
City: ZLAE	Year Renewed:	End MH: 2021-0021
Location Code: Light Highway	Tape/Media # A051	pipe length: 222.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0021 2021-0022 2021	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0022	00:00:26	1080	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:35	1081	M 1
	6.00	Water Level, 15 □, within 8 inch: NO	00:01:03	1082	M 2
	6.00	Water Mark, 25 □, within 8 inch: NO	00:01:20	1083	M 2
	77.10	Hole Soil Visible, from 9 to 2 o'clock, within 8 inch: NO	00:04:19	1084, b	S 5
	77.10	Fracture Circumferential, from 12 to 9 o'clock, within 8 inch: NO	00:04:55	1086	S 2
	221.40	Joint Offset Large, within 8 inch: YES	00:09:22	1087, b	S 2
	222.80	Abandoned Survey, within 8 inch: NO, Remarks: DUE TO OFFSET JOINT □ COM	00:10:28	1089	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2211	9	5	14	3	1.67	2.33



Inspection report

Date: 20081124	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 994	PSR: 18830
Total Pipe Length: 306.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2021

Street: HIGHPINE ST	Flow Control: Not Controlled	Start MH: 2021-0144
City: ZLAE	Year Renewed:	End MH: 2021-0143
Location Code: Light Highway	Tape/Media # A053	pipe length: 350.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0143 2021-0144 2021	Lining Method:
	Category:

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0144	00:00:23	1602	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:31	1603	M 1
	5.00	Roots Fine Joint, from 4 to 9 o'clock, within 8 inch: YES	00:01:00	1604, b	
	6.00	Water Level, 5 #, within 8 inch: NO	00:01:39	1606	M 2
	6.00	Water Mark, 10 #, within 8 inch: NO	00:01:47	1607	M 2
	10.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:09	1608	
	17.60	Roots Fine Joint, from 4 to 9 o'clock, within 8 inch: YES	00:02:34	1609, b	
	23.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:11	1611	
	23.60	Roots Medium Lateral, at 9 o'clock, 15 #, within 8 inch: NO	00:03:29	1612, b	M 3
	30.40	Roots Fine Joint, from 4 to 10 o'clock, within 8 inch: YES	00:04:16	1614, b	
	40.70	Roots Fine Joint, from 3 to 8 o'clock, within 8 inch: YES	00:05:02	1616, b	
	52.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:46	1618	
	90.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:7:10	1619	
	90.90	Roots Medium Lateral, at 9 o'clock, 15 #, within 8 inch: NO	00:07:28	1620, b	M 3
	109.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:31	1622	
	127.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:29	1623	
	176.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:34	1624	
	204.50	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:13:15	1625, b	
	205.00	Broken, from 1 to 10 o'clock, within 8 inch: NO	00:14:00	1627	S 5
	205.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:12	1628	
	205.00	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:14:21	1629	M 1
	205.00	Roots Fine Connection, from 7 to 9 o'clock, within 8 inch: NO	00:15:40	1630	M 1
	206.60	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:16:00	1631, b	



Inspection report

Date: 20081124	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 994	PSR: 18830
Total Pipe Length: 306.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2021

1:462	position	observation	MPEG	photo	grade
	<u>211.80</u>	Roots Fine Joint, from 7 to 3 o'clock, within 8 inch: YES	00:16:36	1633, b	
	<u>216.90</u>	Roots Fine Joint, from 7 to 2 o'clock, within 8 inch: YES	00:17:09	1635, b	
	<u>222.00</u>	Roots Fine Joint, from 10 to 4 o'clock, within 8 inch: YES	00:17:50	1637, b	
	<u>228.30</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:39	1639	
	<u>230.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:11	1640	
	<u>230.90</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:19:23	1641	M 1
	<u>283.70</u>	Roots Fine Joint, from 2 to 9 o'clock, within 8 inch: YES	00:22:25	1642, b	
	<u>284.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:23:01	1644	
	<u>291.50</u>	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:23:38	1645, b	
	<u>292.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:06	1647	
	<u>292.50</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:24:18	1648, b	M 1
	<u>331.30</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:27:13	1650	
	<u>331.30</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:27:23	1651	M 1
	<u>338.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:28:10	1652	
	<u>338.90</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:28:20	1653	M 1
	<u>350.70</u>	Manhole, within 8 inch: NO, Remarks: 2021-0143	00:29:14	1654	



Inspection report

Date: 20081124	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 997	PSR: 38370
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0139
City: ZLAE	Year Renewed	End MH: 1967-0114
Location Code: Easement Right of Way	Tape/Media # A053	pipe length: 288.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0114.1967-0139.1967	Lining Method:
	Category:

Remark::

1:330	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0139	00:00:36	1720	
	6.00	Water Level, 5 □, within 8 inch: NO	00:02:33	1721	M 2
	6.00	Water Mark, 10 □, within 8 inch: NO	00:02:40	1722	M 2
	15.00	Tap Break-in Active, at 1 o'clock, 4", within 8 inch: NO	00:03:43	1723, b	
	38.40	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:05:02	1725	
	50.30	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:06:15	1726, b	S 1
	50.30	Roots Fine Joint, from 8 to 7 o'clock, within 8 inch: YES	00:06:55	1728, b	
	60.10	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:48	1730, b	S 2
	60.10	Roots Fine Joint, from 12 to 5 o'clock, within 8 inch: YES	00:07:58	1732, b	
	70.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:09:09	1734, b	S 2
	70.10	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:09:24	1736, b	
	73.20	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:10:09	1738	S 2
	73.20	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:10:33	1739, b	
	76.70	Broken, from 7 to 1 o'clock, within 8 inch: YES	00:11:41	1741, b	S 5
	76.70	Roots Fine Joint, from 1 to 7 o'clock, within 8 inch: YES	00:12:27	1743	
	78.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:44	1744	
	78.10	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:12:58	1745	M 1
	86.60	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:14:04	1746, b	S 2
	86.60	Roots Fine Joint, from 8 to 5 o'clock, within 8 inch: YES	00:14:18	1748, b	
	86.60	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:14:32	1750, b	S 2
	89.80	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:15:10	1752, b	S 1
	89.80	Roots Fine Joint, from 8 to 5 o'clock, within 8 inch: YES	00:15:21	1754, b	
	100.50	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:16:25	1756	
	100.50	Roots Ball Lateral, at 2 o'clock, 85 □, within 8 inch: NO	00:16:55	1757, b	M 4
	128.30	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:20:27	1759, b	
	128.30	Crack Circumferential, from 7 to 3 o'clock, within 8 inch: YES	00:20:40	1761, b	S 1



Inspection report

Date: 20081124	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 997	PSR: 38370
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: Rosemead	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

1:330	position	observation	MPEG	photo	grade
	128.30	Roots Fine Joint, from 7 to 11 o'clock, within 8 inch: YES	00:20:27	1759, b	
	128.30	Crack Circumferential, from 7 to 3 o'clock, within 8 inch: YES	00:20:40	1761, b	S 1
	130.30	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:21:44	1763	
	130.30	Roots Ball Lateral, at 10 o'clock, 95 °, within 8 inch: NO	00:21:59	1764	M 4
	130.30	Roots Ball Connection, from 4 to 11 o'clock, 65 °, within 8 inch: NO	00:22:26	1765	M 4
	138.80	Roots Fine Joint, at 1 o'clock, within 8 inch: YES	00:23:33	1766	
	150.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:24:12	1767	
	186.30	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:25:57	1768	
	218.40	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:28:02	1769	S 2
	218.50	Crack Circumferential, from 10 to 5 o'clock, within 8 inch: YES	00:28:29	1770, b	S 1
	218.80	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:29:59	1772	
	229.40	Fracture Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:30:52	1773, b	S 2
	231.80	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:31:41	1775, b	M 2
	264.30	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:34:12	1777	
	267.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:34:32	1778	
	283.60	Tap Factory Defective, at 2 o'clock, 4", within 8 inch: NO	00:35:38	1779	M 2
	288.70	Manhole, within 8 inch: NO, Remarks: 1967-0114	00:36:30	1780	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5127	4324	23	21	44	1.92	2.63	2.2



Inspection report

Date: 20081117	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1041	PSR: 18940
Total Pipe Length: 109.00	Survey Customer: LACDPW	System Owner:	Clean Date: 11.12.2008	Pre-Cleaned: Jetting	Map Grid # 2021

Street: POTRERO GRANDE DR	Flow Control: Not Controlled	Start MH: 2021-0001
City: ZLAE	Year Renewed:	End MH: 2021-CITY
Location Code: Light Highway	Tape/Media # M313-059	pipe length: 106.9 ft

Reason for inspection: Routine Assessment	Dia./Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0001 2021-CITY 2021	Lining Method:
	Category:

Remark::

1:250	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0001	00:00:22	422	
	3.70	Water Level, 10 #, within 8 inch: NO	00:00:38	423	M 2
	32.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:01:54	424	
	49.80	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:03:04	425, b	S 1
	50.20	Hole Void Visible, from 10 to 1 o'clock, within 8 inch: NO	00:03:39	427, b	S 5
82.90	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:31	429		
	106.90	Manhole, within 8 inch: NO, Remarks: 2021-CITY	00:06:46	430	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2100	6	2	8	3	2	2.67



Inspection report

Date: 20081118	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1060	PSR: 18960
Total Pipe Length: 289.00	Survey Customer: LACDPW	System Owner:	Clean Date: 11.12.2008	Pre-Cleaned: Jetting	Map Grid # 2021

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 2021-0036
City: ZLAE	Year Renewed	End MH: 2021-0020
Location Code: Easement Right of Way	Tape/Media # M313-060	pipe length: 287.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0020 2021-0036 2021	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0036	00:02:12	696	
	0.00	Vermin Cockroach, within 8 inch: NO	00:02:19	697	M 1
	5.00	Water Level, 10", within 8 inch: NO	00:03:27	698	M 2
	74.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:28	699	
	78.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:52	700	
	165.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:26	701	
	167.30	Joint Offset Large, within 8 inch: YES	00:08:50	702	S 2
	168.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:09:07	703	
	210.40	Deposits Attached Encrustation, from 5 to 7 o'clock, 10", within 8 inch: NO, Start	00:12:08	704	M 2
	224.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:12:56	705	
	227.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:15	706	
	227.90	Hole Soil Visible, at 12 o'clock, within 8 inch: NO	00:13:39	707, b	S 5
	227.90	Broken Soil Visible, from 11 to 1 o'clock, within 8 inch: YES	00:13:59	709, b	S 5
	227.90	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:14:25	711	S 1
	229.10	Material Change, within 8 inch: NO, Remarks: PIPE CHANGES MATERIAL	00:14:48	712	
	229.10	Deposits Attached Encrustation, from 5 to 7 o'clock, 10", within 8 inch: NO, End	00:14:57	713	M 2
	259.50	Water Level, 15", within 8 inch: NO	00:15:53	714	M 2
	287.80	Vermin Cockroach, within 8 inch: NO	00:16:49	715	M 1
	287.80	Manhole, within 8 inch: NO, Remarks: 2021-0020	00:17:01	716	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5221	2412	13	10	23	3.25	1.67	2.3



Inspection report

Date: 20081119	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1079	PSR: 18963
Total Pipe Length: 58.00	Survey Customer: LACDPW	System Owner:	Clean Date: 11.12.2008	Pre-Cleaned: Jetting	Map Grid # 2021

Street: ARROYO DR	Flow Control: Not Controlled	Start MH: 2021-0022
City: ZLAE	Year Renewed:	End MH: 2021-TRNK
Location Code: Light Highway	Tape/Media # M313-061	pipe length: 68.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0022 2021-TRNK 2021	Lining Method:
	Category:

Remark::

1:175	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0022	00:00:25	969	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:32	970	M 1
	1.20	Water Level, 10", within 8 inch: NO	00:00:45	971	M 2
	3.70	Hole Soil Visible, from 8 to 9 o'clock, within 8 inch: YES	00:1:10	972, b	S 5
	25.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:2:10	974	
	64.50	Deposits Attached Encrustation, from 12 to 5 o'clock, 15", within 8 inch: YES	00:04:05	975	M 3
	68.40	Manhole, within 8 inch: NO, Remarks: 2021-TRNK	00:04:43	976	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3121	5	6	11	5	2	2.75



Inspection report

Date: 20081119	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1084	PSR: 18971
Total Pipe Length: 410.00	Survey Customer: LACDPW	System Owner:	Clean Date: 11.12.2008	Pre-Cleaned: Jetting	Map Grid # 2021

Street: LAWRENCE AV	Flow Control: Not Controlled	Start MH: 2021-0032
City: ZLAE	Year Renewed:	End MH: 2021-0031
Location Code: Light Highway	Tape/Media # M313-061	pipe length: 354 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0031 2021-0032 2021	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2021-0032	00:00:38	1140	
	<u>0.00</u>	Vermin Cockroach, within 8 inch: NO	00:00:48	1141	M 1
	<u>3.70</u>	Water Level, 5", within 8 inch: NO	00:01:09	1142	M 2
	<u>9.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:36	1143	
	<u>15.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:08	1144	
	<u>41.80</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:03:54	1145, b	S 1
	<u>41.80</u>	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:04:12	1147, b	
	<u>43.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:47	1149	
	<u>61.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:40	1150	
	<u>61.10</u>	Roots Fine Connection, at 3 o'clock, within 8 inch: NO	00:05:55	1151	M 1
	<u>62.60</u>	Crack Circumferential, from 11 to 3 o'clock, within 8 inch: YES	00:06:50	1152, b	S 1
	<u>62.60</u>	Roots Fine Joint, at 1 o'clock, within 8 inch: YES	00:07:16	1154, b	
	<u>91.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:03	1156	
	<u>93.20</u>	Roots Fine Joint, from 10 to 1 o'clock, within 8 inch: YES	00:09:45	1157, b	
	<u>94.90</u>	Water Level, 15", within 8 inch: NO	00:10:10	1159	M 2
	<u>120.90</u>	Crack Circumferential, from 9 to 5 o'clock, within 8 inch: YES	00:11:37	1160, b	S 1
	<u>122.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:14	1162	
	<u>123.50</u>	Broken Soil Visible, from 3 to 9 o'clock, within 8 inch: YES	00:13:28	1163, b	S 5
	<u>126.80</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:14:10	1166, b	S 1
	<u>140.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:00	1168	
	<u>161.50</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:02	1169, b	
	<u>181.70</u>	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:17:41	1171	



Inspection report

Date: 20081119	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 1084	PSR: 18971
Total Pipe Length: 410.00	Survey Customer: LACDPW	System Owner:	Clean Date: 11.12.2008	Pre-Cleaned: Jetting	Map Grid # 2021

1:429	position	observation	MPEG	photo	grade
	197.20	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:18:43	1172	
	203.40	Roots Fine Joint, from 8 to 11 o'clock, within 8 inch: YES	00:19:13	1173	
	206.50	Roots Medium Joint, from 10 to 6 o'clock, 35 °, within 8 inch: YES	00:19:52	1174	
	209.60	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:21:02	1175, b	
	218.70	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:22:53	1177, b	
	224.20	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES	00:40:27	1179, b	
	230.20	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:40:58	1181, b	
	272.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:42:26	1183	
	274.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:42:48	1184	
	354.00	Vermin Cockroach, within 8 inch: NO	00:45:16	1185	M 1
	354.00	Manhole, within 8 inch: NO, Remarks: 2021-0031	00:45:28	1186	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5114	2213	9	7	16	1.8	1.4	1.6



Inspection report

Date: 20080917	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 1892	PSR: 116911
Total Pipe Length: 370.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: STANDISH ST	Flow Control: Not Controlled	Start MH: 2120-0016
City: ZLAE	Year Renewed:	End MH: 2120-0017
Location Code: Light Highway	Tape/Media # G312-022	pipe length: 351.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0016 2120-0017 2120	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0016	00:00:36	5679	
	5.00	Water Level, 10 #, within 8 inch: NO	00:01:01	5680	M 2
	42.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:01:55	5681	
	48.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:15	5682	
	106.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:38	5683	
	109.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:56	5684	
	147.20	Fracture Circumferential, from 2 to 9 o'clock, within 8 inch: YES	00:05:21	5685, b	S 2
	170.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:07	5687	
	195.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:51	5688	
	228.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:43	5689	
	235.90	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:08:20	5690, b	S 3
	265.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:26	5692	
	290.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:23	5693	
	347.00	Broken Soil Visible, from 9 to 11 o'clock, within 8 inch: YES	00:13:04	5694, b	S 5
	347.00	Crack Circumferential, from 6 to 9 o'clock, within 8 inch: YES	00:13:45	5698, b	S 1
	347.00	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:14:08	5700, b	S 2
	347.00	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:14:33	5702, b	S 2
	351.10	Manhole, within 8 inch: NO, Remarks: 2120-0017	00:16:09	5704	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2100	15	2	17	2.5	2	2.43



Inspection report

Date: 20080918	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2538	PSR: 116748
Total Pipe Length: 333.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: MAYFLOWER AV	Flow Control: Not Controlled	Start MH: 2120-0099
City: ZLAE	Year Renewed:	End MH: 2120-0100
Location Code: Light Highway	Tape/Media # R311-020	pipe length: 353.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0099 2120-0100 2120	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0099	00:00:36	4823	
	3.20	Water Level, 5", within 8 inch: NO	00:00:59	4824	M 2
	6.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:22	4825	
	7.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:40	4826	
	13.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:06	4827	
	83.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:01	4828	
	104.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:48	4829	
	158.10	Roots Fine Joint, at 11 o'clock, within 8 inch: YES	00:06:22	4830, b	
	165.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:04	4832	
	171.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:34	4833	
	173.30	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:07:59	4834	
	197.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:52	4835	
	200.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:15	4836	
	281.90	Fracture Multiple, from 9 to 5 o'clock, within 8 inch: YES, Start	00:12:04	4837, b	S 4
	285.10	Fracture Multiple, from 9 to 5 o'clock, within 8 inch: YES, End	00:12:50	4839, b	S 4
	328.10	Crack Multiple, from 1 to 8 o'clock, within 8 inch: YES	00:14:46	4841, b	S 3
	353.50	Manhole, within 8 inch: NO, Remarks: 2120-0100	00:16:23	4843	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2100	11	2	13	3.67	2	3.25



Inspection report

Date: 20080918	P.O. <input type="checkbox"/> Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2547	PSR: 116778
Total Pipe Length: 60.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid <input type="checkbox"/> 2120

Street: LONGDEN AV	Flow Control: Not Controlled	Start MH: 2120-0124
City: ZLAE	Year Renewed:	End MH: 2120-CITY
Location Code: Light Highway	Tape/Media <input type="checkbox"/> : R311-020	pipe length: 80.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0124 2120-CITY 2120	Lining Method:
	Category:

Remark::

1:200	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0124	00:00:34	4965	
	6.00	Water Level, 5 <input type="checkbox"/> , within 8 inch: NO	00:01:11	4966	M 2
	9.00	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:35	4967	
	64.00	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:03:20	4968, b	S 4
	80.30	Manhole, within 8 inch: NO, Remarks: 2120-CITY	00:04:24	4970	

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



Inspection report

Date: 20081007	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2651	PSR: 116477
Total Pipe Length: 336.00	Survey Customer: LACDPW	System Owner:	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2071

Street: Easement	Flow Control: Not Controlled	Start MH: 2121-0104
City: ZLAE	Year Renewed:	End MH: 2121-0105
Location Code: Easement Right of Way	Tape/Media # M313-031	pipe length: 338.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0104 2121-0105 2121	Lining Method:
	Category:

Remark::

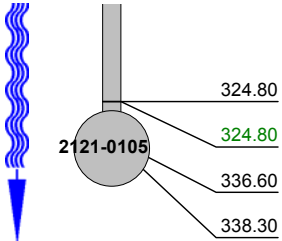
1:660	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2121-0104	00:00:30	1714	
	4.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:00:55	1715	
	40.90	Water Level, 5 #, within 8 inch: NO	00:02:23	1716	M 2
	46.60	Tap Factory Defective, at 3 o'clock, 4", within 8 inch: NO	00:02:47	1717	M 2
	49.00	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:03:06	1718	
	103.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:05:08	1719	
	103.80	Roots Ball Lateral, at 3 o'clock, 75 #, within 8 inch: NO	00:05:26	1720	M 4
	106.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:46	1721	
	106.40	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:05:56	1722	M 1
	129.20	Roots Fine Joint, from 7 to 4 o'clock, within 8 inch: YES	00:06:51	1723, b	
	161.40	Hole Void Visible, from 11 to 1 o'clock, within 8 inch: NO	00:08:27	1725, b	S 5
	162.10	Hole Void Visible, from 11 to 1 o'clock, within 8 inch: NO	00:09:03	1727, b	S 5
	164.40	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:09:29	1729	
	166.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:09:48	1730	
	215.60	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:12:07	1731	
	215.60	Roots Medium Lateral, at 9 o'clock, 30 #, within 8 inch: NO	00:12:20	1732	M 3
	227.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:13:01	1733	
	271.30	Roots Fine Joint, from 7 to 1 o'clock, within 8 inch: YES	00:14:40	1734, b	
	274.60	Roots Fine Joint, from 10 to 11 o'clock, within 8 inch: YES	00:15:11	1736	
	275.90	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:15:39	1737	
	275.90	Roots Ball Lateral, at 9 o'clock, 90 #, within 8 inch: NO	00:15:55	1738	M 4
	277.20	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:16:10	1739, b	
	282.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:17:17	1741	



Inspection report

Date: 20081007	P.O. <input type="checkbox"/> Y0TV0809A	Weather: Dry	Surveyed By: Martin Garcia	section number: 2651	PSR: 116477
Total Pipe Length: 336.00	Survey Customer: LACDPW	System Owner:	Clean Date:	Pre-Cleaned: Jetting	Map Grid <input type="checkbox"/> 2071

1:660	position	observation	MPEG	photo	grade
	324.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:19:00	1742	
	324.80	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:19:16	1743	M 1
	336.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:19:55	1744	
	338.30	Manhole, within 8 inch: NO, Remarks: 2121-0105	00:20:20	1745	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	4231	10	17	27	5	2.43	3




Inspection report

Date: 20080923	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 2712	PSR: 116619
Total Pipe Length: 301.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: HEMPSTEAD AV	Flow Control:	Start MH: 2120-0220
City: ZLAE	Year Renewed	End MH: 2120-0221
Location Code: Light Highway	Tape/Media # A029	pipe length: 330.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0220 2120-0221 2120	Lining Method:
	Category:

Remark::

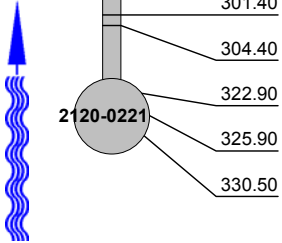
1:660	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0220	00:00:25	1068	
	6.00	Water Level, 15 #, within 8 inch: NO	00:00:53	1069	M 2
	6.00	Water Mark, 20 #, within 8 inch: NO	00:01:01	1070	M 2
	11.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:24	1071	
	30.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:12	1072	
	33.50	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:02:30	1073, b	S 2
	71.30	Broken, from 4 to 10 o'clock, within 8 inch: YES	00:04:44	1075, b	S 5
	73.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:05:24	1077	
	120.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:21	1078	
	132.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:07	1079	
	186.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:29	1080	
	195.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:05	1081	
	203.30	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:11:49	1082, b	S 2
	203.30	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:12:25	1085, b	S 2
	203.30	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:12:40	1087, b	S 1
	229.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:15	1089	
	233.80	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:14:48	1090, b	S 2
	233.80	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:15:22	1092	S 2
	239.50	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:15:52	1093, b	S 2
	239.50	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:16:15	1095, b	S 2
	254.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:18:20	1097	
	280.60	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:21:11	1098, b	S 2



Inspection report

Date: 20080923	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 2712	PSR: 116619
Total Pipe Length: 301.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

1:660	position	observation	MPEG	photo	grade
	<u>301.40</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:24:29		1100
	<u>304.40</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:25:21		1101
	<u>322.90</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:27:51		1102
	<u>325.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:28:20		1103
	<u>330.50</u>	Manhole, within 8 inch: NO, Remarks: 2120-0220	00:28:58		1104



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5128	2200	22	4	26	2.2	2	2.17



Inspection report

Date: 20080923	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Anthony Hernandez	section number: 2716	PSR: 116381
Total Pipe Length: 192.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2121

Street: HEMPSTEAD AV	Flow Control:	Start MH: 2121-0252
City: ZLAE	Year Renewed	End MH: 2121-0253
Location Code: Light Highway	Tape/Media # A029	pipe length: 196.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0252 2121-0253 2121	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2121-0252	00:00:29	1235	
	6.10	Water Level, 15", within 8 inch: NO	00:01:04	1236	M 2
	6.10	Water Mark, 20", within 8 inch: NO	00:01:15	1237	M 2
	20.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:03	1238	
	23.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:26	1239	
	33.10	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:03:25	1240, b	S 2
	64.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:21	1242	
	75.90	Broken, from 3 to 10 o'clock, within 8 inch: YES	00:06:09	1243, b	S 5
	105.00	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:08:30	1246, b	S 2
	111.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:21	1248	
	124.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:21	1249	
	125.50	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:10:45	1250, b	S 1
	125.50	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:10:58	1252, b	S 2
	170.70	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:13:39	1254, b	S 3
	170.70	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:14:01	1256, b	S 3
	192.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:27	1258	
	196.50	Manhole, within 8 inch: NO, Remarks: 2121-0253	00:16:04	1259	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	2200	18	4	22	2.57	2	2.44



Inspection report

Date: 20080923	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2873	PSR: 116787
Total Pipe Length: 202.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: MAYFLOWER AV	Flow Control: Not Controlled	Start MH: 2120-0133
City: ZLAE	Year Renewed:	End MH: 2120-0134
Location Code: Light Highway	Tape/Media # R311-023	pipe length: 173.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0133 2120-0134 2120	Lining Method:
	Category:

Remark::

1:400	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0133	00:00:26	502	
	5.70	Water Level, 15", within 8 inch: NO	00:00:53	503	M 2
	10.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:14	504	
	12.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:39	505	
	60.80	Broken Void Visible, at 10 o'clock, within 8 inch: NO, Remarks: Lateral	00:03:28	506, b	S 5
	60.90	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:04:02	508	
	61.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:23	509	
	63.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:52	510	
	109.20	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:06:12	511	
	112.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:40	512	
	160.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:04	513	
	163.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:30	514	
	173.10	Manhole, within 8 inch: NO, Remarks: 2120-0134	00:09:23	515	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2100	5	2	7	5	2	3.5



Inspection report

Date: 20080926	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2923	PSR: 116606
Total Pipe Length: 287.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: DOOLITTLE AV	Flow Control: Not Controlled	Start MH: 2120-0207
City: ZLAE	Year Renewed:	End MH: 2120-0206
Location Code: Light Highway	Tape/Media # R311-026	pipe length: 349.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0206 2120-0207 2120	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0207	00:00:32	1163	
	4.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:01:05	1164	
	7.50	Water Level, 5", within 8 inch: NO	00:01:37	1165	M 2
	10.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:01	1166	
	43.30	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:55	1167	
	94.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:04:17	1168	
	99.90	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:04:41	1169	
	145.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:59	1170	
	147.80	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:21	1171	
	151.40	Broken Soil Visible, from 4 to 7 o'clock, within 8 inch: YES	00:07:19	1172, b	S 5
	155.30	Fracture Circumferential, from 2 to 10 o'clock, within 8 inch: YES	00:8:10	1174, b	S 2
	189.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:09:22	1176	
	201.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:09:56	1177	
	253.40	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:11:18	1178	
	259.10	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:43	1179	
	301.00	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:13:08	1180	
	310.00	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:13:39	1181	
	316.00	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:14:06	1182	
	345.70	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:15:10	1183	
	349.90	Manhole, within 8 inch: NO, Remarks: 2120-0206	00:15:57	1184	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2100	7	2	9	3.5	2	3



Inspection report

Date: 20080930	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2958	PSR: 0
Total Pipe Length: 14.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2121

Street: TYLER AV	Flow Control: Not Controlled	Start MH: 2121-0072
City: ZLAE	Year Renewed	End MH: 2121-TRNK
Location Code: Light Highway	Tape/Media # R311-028	pipe length: 10.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: TRNK 2121-0072 2121	Lining Method:
	Category:

Remark::

1:25	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2121-0072	00:00:20	1743	
	3.00	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:01:21	1744, b	S 4
	4.00	Crack Multiple, from 2 to 9 o'clock, within 8 inch: YES	00:02:07	1746, b	S 3
	6.90	Water Level, 5", within 8 inch: NO	00:02:51	1748	M 2
	10.40	Manhole, within 8 inch: NO, Remarks: 2121-TRNK	00:03:20	1749	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	7	2	9	3.5	2	3



Inspection report

Date: 20081002	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 2969	PSR: 116564
Total Pipe Length: 268.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2121

Street: FREER ST	Flow Control: Not Controlled	Start MH: 2121-0065
City: ZLAE	Year Renewed:	End MH: 2121-0063
Location Code: Light Highway	Tape/Media # R311-029	pipe length: 239.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0063 2121-0065 2121	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2121-0065	00:00:28	1851	
	6.00	Water Level, 5", within 8 inch: NO	00:00:59	1852	M 2
	9.10	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:27	1853	
	41.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:02:43	1854	
	65.20	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:03:42	1855	
	91.30	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:04:45	1856, b	S 2
	91.30	Crack Longitudinal, at 7 o'clock, within 8 inch: YES	00:04:55	1858, b	S 2
	101.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:57	1860	
	110.50	Tap Factory Capped, at 10 o'clock, 6", within 8 inch: NO	00:06:37	1861	
	118.00	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:07:10	1862, b	S 2
	118.00	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:07:20	1864, b	S 2
	171.50	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:09:34	1866	
	180.60	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:10:07	1867	
	213.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:11:28	1868	
	224.10	Fracture Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:12:25	1869, b	S 4
	239.80	Manhole, within 8 inch: NO, Remarks: 2121-0063	00:13:54	1871	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4124	2100	12	2	14	2.4	2	2.33



Inspection report

Date: 20080918	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 3024	PSR: 116835
Total Pipe Length: 291.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: GRAYDON AV	Flow Control: Not Controlled	Start MH: 2120-0062
City: ZLAE	Year Renewed:	End MH: 2120-0068
Location Code: Light Highway	Tape/Media # G312-023	pipe length: 342.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0062 2120-0068 2120	Lining Method:
	Category:

Remark::

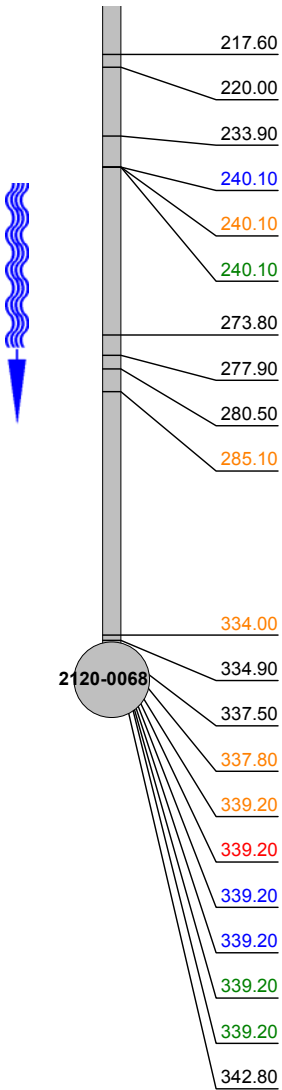
1:462	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0062	00:00:44	155	
	3.00 S1	Water Level Sag, 25 #, within 8 inch: NO, Start	00:01:13	156, b	M 2
	4.00	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:01:58	158, b	S 3
	4.00 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:2:10	160, b	
	4.00 S3	Deposits Attached Grease, from 9 to 3 o'clock, 15 #, within 8 inch: NO, Start	00:02:43	162, b	M 3
	8.50	Joint Offset Medium, within 8 inch: YES	00:03:39	165, b	S 1
	20.80	Joint Offset Medium, within 8 inch: YES	00:05:07	167, b	S 1
	32.40	Roots Medium Joint, from 7 to 5 o'clock, 35 #, within 8 inch: YES	00:07:12	169, b	
	33.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:20	171	
	35.20	Roots Tap Joint, from 3 to 10 o'clock, 15 #, within 8 inch: YES	00:08:56	172, b	
	36.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:27	174	
	36.50	Roots Tap Lateral, at 9 o'clock, 15 #, within 8 inch: NO	00:09:52	175, b	M 2
	37.80 F1	Water Level Sag, 25 #, within 8 inch: NO, End	00:10:18	177	M 2
	37.80	Water Level, 15 #, within 8 inch: NO	00:10:30	178	M 2
	37.80 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:42	179	
	37.80 F3	Deposits Attached Grease, from 9 to 3 o'clock, 15 #, within 8 inch: NO, End	00:10:55	180	M 3
	50.10	Roots Fine Joint, from 2 to 5 o'clock, within 8 inch: YES	00:11:35	181, b	
	91.60	Deposits Attached Encrustation, from 4 to 8 o'clock, 10 #, within 8 inch: NO	00:12:54	183, b	M 2
	93.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:13:21	185	
	96.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:40	186	
	154.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:01	187	
	156.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:27	188	
	167.80	Deposits Attached Encrustation, from 4 to 8 o'clock, 10 #, within 8 inch: NO	00:16:10	189, b	M 2



Inspection report

Date: 20080918	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 3024	PSR: 116835
Total Pipe Length: 291.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

1:462	position	observation	MPEG	photo	grade
	<u>217.60</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:35	191	
	<u>220.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:54	192	
	<u>233.90</u>	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:18:38	193, b	
	<u>240.10</u>	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:19:28	195	S 2
	<u>240.10</u>	Crack Multiple, from 7 to 11 o'clock, within 8 inch: YES	00:19:55	196, b	S 3
	<u>240.10</u>	Joint Offset Medium, within 8 inch: YES	00:20:06	198, b	S 1
	<u>273.80</u>	Roots Fine Joint, from 3 to 5 o'clock, within 8 inch: YES	00:21:20	200, b	
	<u>277.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:21:53	202	
	<u>280.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:12	203	
	<u>285.10</u>	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:22:51	204, b	S 3
	<u>334.00</u>	Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:24:30	206, b	S 3
	<u>334.90</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:24:59	208	
	<u>337.50</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:23	209	
	<u>337.80</u> S4	Crack Multiple, from 3 to 6 o'clock, within 8 inch: YES, Start	00:26:01	210, b	S 3
	<u>339.20</u> F4	Crack Multiple, from 3 to 6 o'clock, within 8 inch: YES, End	00:26:44	212	S 3
	<u>339.20</u>	Broken, from 2 to 6 o'clock, within 8 inch: YES	00:27:52	213, b	S 5
	<u>339.20</u>	Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:28:20	215, b	S 2
	<u>339.20</u>	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:28:38	217, b	S 2
	<u>339.20</u>	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:29:00	219, b	S 1
	<u>339.20</u>	Joint Offset Medium, within 8 inch: YES	00:29:46	221, b	S 1
	<u>342.80</u>	Manhole, within 8 inch: NO, Remarks: 2120-0068	00:30:37	223	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5136	3226	34	18	52	2.27	2.25	2.26



Inspection report

Date: 20080923	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 3078	PSR: 116913
Total Pipe Length: 247.00	Survey Customer: LACDPW	System Owner: ZLAE	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2120

Street: PECK RD	Flow Control: Not Controlled	Start MH: 2120-0019
City: ZLAE	Year Renewed:	End MH: 2120-0020
Location Code: Light Highway	Tape/Media # G312-026	pipe length: 251.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0019 2120-0020 2120	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2120-0019	00:00:33	1236	
	3.50 S1	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES, Start	00:01:16	1237, b	S 3
	5.00	Water Level, 10", within 8 inch: NO	00:01:38	1239	M 2
	23.70 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:25	1240, b	
	51.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:22	1242	
	86.70 F1	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES, End	00:04:41	1243	S 3
	86.70 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:04:52	1244	
	106.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:28	1245	
	203.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:29	1246	
	220.10	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:08:16	1247, b	S 3
	223.10	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:00	1249, b	S 3
	223.10	Roots Fine Joint, from 2 to 3 o'clock, within 8 inch: YES	00:09:16	1251, b	
	240.40 S3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:22	1253, b	S 3
	240.90	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:11:04	1256, b	S 4
	247.20 F3	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:11:38	1258	S 3
	251.20	Manhole, within 8 inch: NO, Remarks: 2120-0020	00:12:01	1259	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	2100	22	2	24	3.14	2	3



Inspection report

Date: 20081117	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3283	PSR: 19214
Total Pipe Length: 121.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: HILL DR	Flow Control: Not Controlled	Start MH: 2020-0525
City: ZLAE	Year Renewed:	End MH: 2020-0594
Location Code: Light Highway	Tape/Media # R311-059	pipe length: 120.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0525 2020-0594 2020	Lining Method:
	Category:

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0525	00:00:28	594	
	6.00	Water Level, 5", within 8 inch: NO	00:01:07	595	M 2
	8.90	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:01:35	596	
	20.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:59	597	
	24.40	Tap Break-in Abandoned, at 10 o'clock, 4", within 8 inch: NO	00:02:24	598	
	38.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:03:04	599	
	44.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:25	600	
	71.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:4:10	601	
	81.10	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:04:41	602	
	81.80	Fracture Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:05:08	603, b	S 4
	89.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:45	605	
	116.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:32	606	
	120.80	Manhole, within 8 inch: NO, Remarks: 2020-0594	00:07:07	607	

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



Inspection report

Date: 20081118	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3301	PSR: 19035
Total Pipe Length: 242.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: SIERRA BONITA AV	Flow Control: Not Controlled	Start MH: 2020-0718
City: ZLAE	Year Renewed:	End MH: 2020-TRNK
Location Code: Light Highway	Tape/Media # R311-060	pipe length: 248.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0718 2020-TRNK 2020	Lining Method:
	Category:

Remark::

1:575	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0718	00:00:29	815	
	4.50	Water Level, 5", within 8 inch: NO	00:00:49	816	M 2
	9.50	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 5'	00:01:15	817	
	36.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:56	818	
	73.50	Fracture Longitudinal, at 7 o'clock, within 8 inch: YES	00:03:19	819, b	S 3
	73.50	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:04:24	821, b	S 3
	74.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:03	823	
	74.20	Broken Soil Visible, at 9 o'clock, within 8 inch: NO, Remarks: In Side Of Lateral	00:05:45	824, b	S 5
	75.80	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:06:37	826, b	S 3
	87.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:18	828	
	150.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:49	829	
	158.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:13	830	
	187.90	Material Change, within 8 inch: NO, Remarks: To Cast Iron	00:10:16	831, b	
	223.10	Material Change, within 8 inch: NO, Remarks: To VCP	00:12:34	833, b	
	248.40	Vermin Cockroach, within 8 inch: NO	00:13:44	835, b	M 1
	248.40	Manhole, within 8 inch: NO, Remarks: 2020-TRNK	00:14:02	837	
	248.40	General Observation, within 8 inch: NO, Remarks: Also Found Cast Iron Pipe	00:14:48	838	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5133	2111	14	3	17	3.5	1.5	2.83



Inspection report

Date: 20081125	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3375	PSR: 38289
Total Pipe Length: 101.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0170
City: ZLAE	Year Renewed:	End MH: 1967-0169
Location Code: Light Highway	Tape/Media # R311-065	pipe length: 99.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0169 1967-0170 1967	Lining Method:
	Category:

Remark::

1:225	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0170	00:00:28	1939	
	6.70	Water Level, 5", within 8 inch: NO	00:01:38	1940	M 2
	10.00	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:02:08	1941	
	29.20	Fracture Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:02:54	1942, b	S 4
	58.20	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:04:00	1944	
	60.80	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:04:24	1945	
	99.40	Manhole, within 8 inch: NO, Remarks: 1967-0169	00:05:39	1946	

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



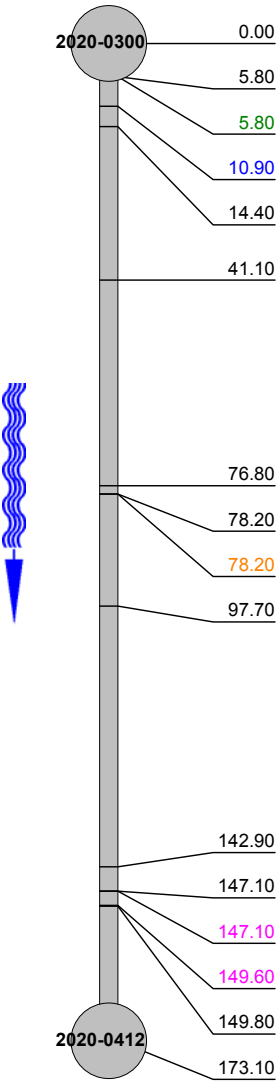
Inspection report

Date: 20081125	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3381	PSR: 19360
Total Pipe Length: 171.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: 0	Flow Control: Not Controlled	Start MH: 2020-0300
City: ZLAE	Year Renewed	End MH: 2020-0412
Location Code: Light Highway	Tape/Media # R311-065	pipe length: 173.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0300 2020-0412 2020	Lining Method:
	Category:

Remark::

1:400	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0300	00:00:30	2005	
	5.80	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:01:33	2006	
	5.80	Roots Fine Connection, at 9 o'clock, within 8 inch: NO	00:01:54	2007, b	M 1
	10.90	Water Level, 5", within 8 inch: NO	00:02:33	2009	M 2
	14.40	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:03:00	2010	
	41.10	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:04:00	2011	
	76.80	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:05:13	2012, b	
	78.20	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:05:51	2014	
	78.20	Roots Medium Connection, at 10 o'clock, 30", within 8 inch: NO	00:06:13	2015, b	M 3
	97.70	Roots Fine Joint, from 8 to 10 o'clock, within 8 inch: YES	00:07:15	2017, b	
	142.90	Roots Fine Joint, from 1 to 7 o'clock, within 8 inch: YES	00:08:46	2019, b	
	147.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:09:33	2021	
	147.10	Roots Ball Connection, at 9 o'clock, 70", within 8 inch: NO	00:09:51	2022, b	M 4
	149.60	Fracture Multiple, from 4 to 8 o'clock, within 8 inch: YES	00:10:49	2024, b	S 4
	149.80	Roots Medium Joint, from 4 to 8 o'clock, 25", within 8 inch: YES	00:11:32	2026, b	
	173.10	Manhole, within 8 inch: NO, Remarks: 2020-0412	00:12:55	2028	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4131	4	10	14	4	2.5	2.8



Inspection report

Date: 20081203	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3415	PSR: 38355
Total Pipe Length: 48.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0100
City: ZLAE	Year Renewed:	End MH: 1967-0101
Location Code: Light Highway	Tape/Media # R311-069	pipe length: 44 ft

Reason for inspection: Routine Assessment	Dia./Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0100.1967-0101.1967	Lining Method:
	Category:

Remark::

1:100	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0100	00:00:18	2423	
	1.00	Crack Circumferential, from 11 to 12 o'clock, within 8 inch: NO	00:01:46	2424, b	S 1
	5.80	Crack Longitudinal, at 4 o'clock, within 8 inch: YES	00:03:09	2426, b	S 2
	9.10 S1	Crack Multiple, from 10 to 6 o'clock, within 8 inch: YES, Start	00:04:26	2428, b	S 3
	10.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:03	2430	
	11.60 F1	Crack Multiple, from 10 to 6 o'clock, within 8 inch: YES, End	00:05:46	2431, b	S 3
	21.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:57	2433	
	24.90	Water Level, 5", within 8 inch: NO	00:07:34	2434	M 2
	28.30	General Observation, within 8 inch: NO, Remarks: Pipe joint length 3'	00:07:56	2435	
	30.70	Fracture Multiple, from 11 to 12 o'clock, within 8 inch: YES	00:08:43	2436, b	S 4
	41.20	Crack Multiple, from 10 to 2 o'clock, within 8 inch: YES	00:09:54	2438, b	S 3
	44.00	Manhole, within 8 inch: NO, Remarks: 1967-0101	00:10:51	2440	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2100	16	2	18	2.67	2	2.57



Inspection report

Date: 20081203	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3417	PSR: 38356
Total Pipe Length: 341.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0147
City: ZLAE	Year Renewed	End MH: 1967-0100
Location Code: Light Highway	Tape/Media # R311-069	pipe length: 343 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0100 1967-0147 1967	Lining Method:
	Category:

Remark::

1:429	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0147	00:00:34	2462	
	3.00	Fracture Multiple, from 5 to 1 o'clock, within 8 inch: YES	00:02:01	2463, b	S 4
	5.10	Water Level, 5 □, within 8 inch: NO	00:02:48	2465	M 2
	9.20	Tap Break-in Active, at 12 o'clock, 4", within 8 inch: NO	00:03:25	2466	
	15.40	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:04:31	2467	
	28.10	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:05:30	2468	
	28.10	Roots Medium Connection, at 2 o'clock, 25 □, within 8 inch: NO	00:05:43	2469, b	M 3
	40.50	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:06:47	2471	
	87.10	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:08:19	2472	
	88.60	Crack Circumferential, from 10 to 1 o'clock, within 8 inch: NO	00:10:00	2473, b	S 1
	88.60	Fracture Longitudinal, at 8 o'clock, within 8 inch: YES	00:10:18	2475, b	S 3
	90.50	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:11:15	2477	
	90.70	Roots Medium Lateral, at 2 o'clock, 10 □, within 8 inch: NO	00:11:35	2478, b	M 3
	91.50	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:12:53	2480, b	S 1
	99.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:13:48	2482	
	100.00	Roots Medium Lateral, at 9 o'clock, 30 □, within 8 inch: NO	00:14:09	2483, b	M 3
	111.10	Crack Multiple, from 9 to 3 o'clock, within 8 inch: NO	00:15:41	2485, b	S 3
	122.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:18:10	2487	
	122.80	Roots Medium Connection, at 3 o'clock, 20 □, within 8 inch: NO	00:18:24	2488, b	M 3
	151.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:19:59	2490	
	163.60	Crack Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:21:04	2491, b	S 3
	164.80	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:21:47	2493	
	166.00	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:22:39	2494, b	S 3
	186.60	Crack Multiple, from 4 to 10 o'clock, within 8 inch: YES	00:24:05	2496, b	S 3



Inspection report

Date: 20081203	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3417	PSR: 38356
Total Pipe Length: 341.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

1:429	position	observation	MPEG	photo	grade
	199.80	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:25:27	2498, b	S 3
	213.40 S1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:26:48	2500, b	S 4
	214.70	Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO	00:27:42	2503	
	215.00	Roots Medium Lateral, at 9 o'clock, 25 □, within 8 inch: NO	00:27:58	2504, b	M 3
	218.70	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:28:58	2506	
	220.30 F1	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:29:35	2507, b	S 4
	222.30	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:30:22	2509	
	227.60	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:31:00	2510	
	229.30	Crack Multiple, from 11 to 3 o'clock, within 8 inch: YES	00:31:44	2511, b	S 3
	252.00	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:33:21	2513, b	S 4
	253.50	Tap Factory, at 3 o'clock, 4", within 8 inch: NO	00:34:24	2515	
	256.00	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:35:16	2516	
	329.40	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:37:26	2517	
	329.40	Roots Fine Lateral, at 10 o'clock, within 8 inch: NO	00:37:39	2518, b	M 1
	332.00	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:38:20	2520	
	332.20	Roots Medium Connection, at 2 o'clock, 25 □, within 8 inch: NO	00:38:35	2521, b	M 3
	343.00	Manhole, within 8 inch: NO, Remarks: 1967-0100	00:40:02	2523	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4437	3621	39	21	60	3	2.63	2.86



Inspection report

Date: 20081204	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3424	PSR: 38364
Total Pipe Length: 201.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0109
City: ZLAE	Year Renewed	End MH: 1967-0110
Location Code: Light Highway	Tape/Media # R311-070	pipe length: 199.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0109.1967-0110.1967	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0109	00:00:32	2601	
	4.50	Deposits Attached Encrustation, from 12 to 5 o'clock, 5", within 8 inch: YES	00:01:26	2602, b	M 2
	5.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:03:24	2604	
	16.30	Deposits Attached Encrustation, from 8 to 4 o'clock, 5", within 8 inch: YES	00:04:30	2605, b	M 2
	20.10	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:05:07	2607, b	S 2
	30.10	Deposits Attached Encrustation, from 3 to 5 o'clock, 5", within 8 inch: YES	00:06:05	2609, b	M 2
	47.70	Water Level, 10", within 8 inch: NO	00:06:55	2611	M 2
	51.10	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:07:17	2612	
	58.10	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:07:47	2613	
	59.70	Repair Patch, from 11 to 1 o'clock, within 8 inch: YES, Remarks: Cement Patch	00:08:52	2614, b	
	87.50	Tap Factory Active, at 1 o'clock, 4", within 8 inch: NO	00:10:06	2616	
	102.50	Crack Circumferential, from 1 to 5 o'clock, within 8 inch: YES	00:11:06	2617, b	S 1
	112.20	Tap Break-in Active, at 10 o'clock, 4", within 8 inch: NO	00:12:04	2619	
	117.40	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:12:51	2620	
	125.40	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: YES	00:13:39	2621, b	S 1
	128.80	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:14:27	2623, b	S 1
	132.10	Crack Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:15:13	2625, b	S 3
	135.70	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:15:57	2627, b	S 1
	142.60	Fracture Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:16:50	2629, b	S 2
	146.10	Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: NO	00:17:43	2631, b	S 2
	152.50	Fracture Multiple, from 12 to 9 o'clock, within 8 inch: YES	00:18:41	2633, b	S 4
	157.30	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:19:28	2635	
	158.60	Fracture Multiple, from 6 to 10 o'clock, within 8 inch: YES	00:20:04	2636, b	S 4
	199.10	Manhole, within 8 inch: NO, Remarks: 1967-0110	00:22:12	2638	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2400	21	8	29	2.1	2	2.07



Inspection report

Date: 20081205	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3439	PSR: 38376
Total Pipe Length: 163.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 1967

Street: 0	Flow Control: Not Controlled	Start MH: 1967-0122
City: ZLAE	Year Renewed:	End MH: 1967-0121
Location Code: Light Highway	Tape/Media # R311-071	pipe length: 161.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0121 1967-0122 1967	Lining Method:
	Category:

Remark::

1:375	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1967-0122	00:00:26	2962	
	2.50	Roots Fine Joint, at 3 o'clock, within 8 inch: YES	00:01:48	2963, b	
	5.00	Roots Fine Joint, at 10 o'clock, within 8 inch: YES	00:02:28	2965, b	
	21.30	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:04:02	2967	
	28.50	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:04:42	2968	
	38.50	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:05:26	2969, b	
	42.70	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:06:15	2971	
	74.80	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:07:59	2972, b	S 3
	75.10	Roots Fine Joint, from 10 to 2 o'clock, within 8 inch: YES	00:08:16	2974, b	
	81.00	Fracture Multiple, from 2 to 7 o'clock, within 8 inch: YES	00:09:47	2976, b	S 4
	81.60	Tap Factory Active, at 1 o'clock, 4", within 8 inch: NO	00:10:32	2978	
	81.90	Roots Ball Connection, at 1 o'clock, 80 #, within 8 inch: NO	00:10:44	2979, b	M 4
	85.20	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:11:43	2981	
	106.10	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:12:55	2982	
	154.60	Tap Factory Active, at 2 o'clock, 4", within 8 inch: NO	00:15:10	2983	
	154.90	Roots Ball Connection, at 2 o'clock, 65 #, within 8 inch: NO	00:15:27	2984, b	M 4
	161.80	Manhole, within 8 inch: NO, Remarks: 1967-0121	00:16:47	2986	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	4200	7	8	15	3.5	4	3.75



Inspection report

Date: 20081208	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3444	PSR: 19297
Total Pipe Length: 96.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: 0	Flow Control: Not Controlled	Start MH: 2020-0475
City: ZLAE	Year Renewed	End MH: 2020-0476
Location Code: Light Highway	Tape/Media # R311-072	pipe length: 35.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0475 2020-0476 2020	Lining Method:
	Category:

Remark::

1:100	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0475	00:00:28	3103	
	2.50	Crack Multiple, from 1 to 7 o'clock, within 8 inch: YES	00:01:17	3104, b	S 3
	5.10	Water Level, 10 #, within 8 inch: NO	00:01:58	3106	M 2
	10.80	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:02:23	3107	
	17.00	Fracture Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:03:00	3108, b	S 2
	29.80	Crack Multiple, from 7 to 4 o'clock, within 8 inch: YES	00:4:10	3110, b	S 3
	35.60	Broken, from 7 to 4 o'clock, within 8 inch: NO	00:05:38	3112, b	S 5
	35.60	Abandoned Survey, within 8 inch: NO, Remarks: Due To Broken Pipe	00:06:13	3114, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	2100	13	2	15	3.25	2	3



Inspection report

Date: 20081208	P.O. # Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3446	PSR: 19295
Total Pipe Length: 123.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid # 2020

Street: 0	Flow Control: Not Controlled	Start MH: 2020-0476
City: ZLAE	Year Renewed	End MH: 2020-0474
Location Code: Light Highway	Tape/Media # R311-072	pipe length: 43.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8" x 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0474 2020-0476 2020	Lining Method:
	Category:

Remark::

1:100	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0476	00:00:26	3132	
	5.10	Roots Fine Joint, at 1 o'clock, within 8 inch: YES	00:01:50	3133, b	
	8.00	Water Level, 5", within 8 inch: NO	00:02:16	3135	M 2
	11.40	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:02:36	3136	
	17.90	Crack Multiple, from 11 to 12 o'clock, within 8 inch: NO	00:03:34	3137, b	S 3
	18.80	Tap Factory, at 3 o'clock, 4", within 8 inch: NO	00:04:22	3139	
	18.80	Roots Ball Lateral, at 3 o'clock, 90", within 8 inch: NO	00:04:40	3140, b	M 4
	21.80	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:05:10	3142	
	34.70	Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:06:19	3143, b	S 3
	40.40	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:07:17	3145, b	
	41.30	Broken, from 7 to 9 o'clock, within 8 inch: NO	00:09:38	3147	S 4
	42.90	Roots Ball Connection, at 10 o'clock, 95", within 8 inch: NO	00:08:29	3148, b	M 4
	43.90	Abandoned Survey, within 8 inch: NO, Remarks: Due To Broken Pipe	00:10:38	3151, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	4221	10	10	20	3.33	3.33	3.33



Inspection report

Date: 20081211	P.O.☐ Y0TV0809A	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 3507	PSR: 19099
Total Pipe Length: 309.00	Survey Customer: LACDPW	System Owner: ROSEMEAD	Clean Date:	Pre-Cleaned: Jetting	Map Grid ☐ 2020

Street: SAN GABRIEL BV	Flow Control: Not Controlled	Start MH: 2020-0655
City: ZLAE	Year Renewed	End MH: 2020-TRNK
Location Code: Light Highway	Tape/Media ☐ R311-075	pipe length: 313.1 ft

Reason for inspection: Routine Assessment	Dia:Height: Circular 8" 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0655 2020-TRNK 2020	Lining Method:
	Category:

Remark::

1:700	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2020-0655	00:00:28	3863	
	8.40	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:02:03	3864	
	11.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:23	3865	
	15.60	Water Level, 15 ☐, within 8 inch: NO	00:02:41	3866	M 2
	18.80	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:01	3867	
	59.60	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:04:09	3868	
	62.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:30	3869	
	98.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:38	3870	
	101.30	Tap Factory Abandoned, at 3 o'clock, 6", within 8 inch: NO	00:06:02	3871	
	146.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:07:19	3872	
	149.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:41	3873	
	183.50	Roots Fine Joint, at 2 o'clock, within 8 inch: YES	00:08:42	3874, b	
	203.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:09:31	3876	
	206.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:09:54	3877	
	242.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:09	3878	
	248.00	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:11:37	3879	
	281.50	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:12:48	3880	
	293.70	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:13:29	3881, b	S 2
	295.60	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:14:19	3883, b	S 4
	298.80	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:14:56	3885, b	S 2
	307.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:17:05	3887, b	S 2
	313.10	Manhole, within 8 inch: NO, Remarks: 2020-TRNK	00:17:36	3889	

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

ENCLOSURE 5:

CCTV Sewer Inspection Project Schedule

CCTV PROJECT SCHEDULE

Unincorporated East Yard

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	STATUS
2005-2006	Y0TV0506D	49,010	COMPLETED
2005-2006	Y0TV0506E	159,513	COMPLETED
2007-2008	Y0TV0708E	2,354	IN PROGRESS
2007-2008	Y0TV0708F	195,437	COMPLETED
2008-2009	Y0TV0809A	213,884	COMPLETED
2008-2009	Y0TV0809C	301,513	IN PROGRESS
2009-2010	Y0TV0910B	1,675	FUTURE
2009-2010	Y0TV0910C	224,433	FUTURE
2010-2011	Y0TV1011A	515,254	FUTURE
2011-2012	Y0TV1112B	373,813	FUTURE
2011-2012	Y0TV1112C	180,747	FUTURE
2012-2013	Y0TV1213C	212,784	FUTURE
2013-2014	1□3	303,307	FUTURE
2013-2014	1□4	108,944	FUTURE
2013-2014	4□6	330,231	FUTURE
2014-2015	1□13	294,883	FUTURE
2014-2015	1□6	141,202	FUTURE
2015-2016	1□20	1,435	FUTURE
2015-2016	5□29	42,204	FUTURE

FISCAL YEAR

PROJECT NAME

LENGTH (FT)

STATUS

TOTAL (FT): 3,652,973

TOTAL (MILES) 692