



GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

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P.O. BOX 1460  
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May 14, 2013

IN REPLY PLEASE

REFER TO FILE: **SM-0**

Ms. Lisa A. Rapp, Director of Public Works  
City of Lakewood  
5050 Clark Avenue  
Lakewood, CA 90712

Attention Ms. Konya Vivanti

Dear Ms. Rapp:

### **CONSOLIDATED SEWER MAINTENANCE DISTRICT SERVICES TO THE CITY OF LAKEWOOD**

I appreciated the opportunity to meet with you and your staff to discuss the services provided by the County of Los Angeles Consolidated Sewer Maintenance District (CSMD) to the residents of the City of Lakewood (City). It was gratifying to hear that you are very satisfied with the sewer collection and customer service that we provide. The enclosed information is in response to your specific inquiries related to ongoing maintenance and condition assessment of the City's sewer collection system.

#### **Background**

The City's sewer collection system services approximately 80,000 residents through 24,000 residential and 300 commercial parcels. The sewer collection system consists of 166 miles of gravity sewer lines and 1 sewage lift station (Enclosure 1). The entire sewer collection system has been maintained by the CSMD since prior to the City's incorporation in 1954. The CSMD services the residents of the unincorporated County and 38 cities. The CSMD was formed to provide a cost effective, regional solution to the public safety and environmental requirements related to sewage collection and treatment.

The City's sewer collection system is serviced by personnel in the CSMD's Central Yard located 10 miles from City Hall. The yard is staffed with personnel and equipment capable of handling all maintenance, customer inquiries, investigations, emergency response, repairs, and other related activities. In addition, we provide administrative support for mandatory State reporting, 24/7 emergency dispatch, updates to maps and related documentation, processing and payments of all claims and litigation, response to biennial State audits, and purchase and maintenance of equipment. All of these services are performed at no cost to the City.

### **Sewer Collection System Operations and Maintenance Program**

The objectives of our sewer collection system operations and maintenance program for the City are to minimize the number of stoppages, odor complaints, and lift station failures. Our records indicate that over the past 6 years the City has averaged 0.80 overflows per year, which is below the State average of 4 overflows per year for a system of this size.

The CSMD is focused on evaluating the sewer collection system's physical condition to identify, prioritize, and implement short- and long-term maintenance and repair activities. The primary method of condition assessment is the use of closed-circuit television (CCTV) inspection. In order to continuously assess the condition of the system, the CSMD has budgeted to allow the entire sewer collection system's physical condition to undergo CCTV inspection on a 10-year cycle.

The CSMD has completed a report addressing all deficiencies, such as inadequate cleaning and repairs and construction needs for deteriorated, broken, or undersized mains for one-third (52 miles) of the City's sewer collection system (Enclosures 2 and 3). We have also completed the CCTV inspection for another one-third of the sewer collection system (58 miles) and are in the process of developing our report. The remaining one-third of the sewer collection system (55 miles) is scheduled to undergo CCTV inspection during Fiscal Year 2013-14.

The condition assessment identifies the structural integrity of the sewer collection system, segments identified with high water levels, and portions exhibiting signs of infiltration. Since Fiscal Year 2007-08, the CSMD has spent approximately \$750,000 (personnel and contracts) on the CCTV inspection process. The CSMD anticipates spending \$330,000 to complete the initial CCTV inspection cycle. Based on the information from CCTV inspections, the CSMD has prepared a list of identified capital improvements to be completed at no cost to the City (Enclosures 2, 3, and 4). These include specific point repairs to remedy broken pipe or connections and lining projects to enhance the lifespan of the sewer and prevent future infiltration. The cost of these types of projects is estimated to be over \$300,000. As future CCTV inspections are made, the CSMD will allocate the funding and schedule projects to correct deficiencies.

The CSMD uses hydraulic, mechanical, and chemical cleaning methods scheduled on a regular basis to remove accumulated debris in the pipe. The most effective way to schedule preventive maintenance is to identify those sewer sections that require more frequent cleaning. Utilizing the information from CCTV inspections, maintenance

Ms. Lisa A. Rapp  
May 14, 2013  
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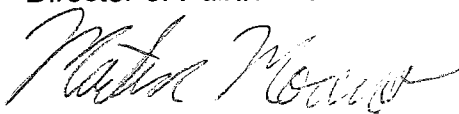
records for the past 15 years, and the historical knowledge of our Regional Sewer Maintenance Superintendent and his crews, the CSMD has developed a time based, significant activity schedule called the Periodic Maintenance Program. Currently, the City has approximately 50 miles of sewer lines and siphons in the Periodic Maintenance Program. A map and a list of segment locations have been provided in Enclosure 5.

In addition, the CSMD maintains the Longworth Sewage Lift Station. Over the past 10 years, the CSMD has performed over \$310,000 in major upgrades on the lift station. In addition, our records indicate the average annual cost of maintenance for the pump station to be approximately \$35,000. Therefore, the average annual cost of the City's sewer collection system operations and maintenance program over the past 5 years is approximately \$950,000 (Enclosure 6). This cost includes direct cleaning of approximately 50 percent (76 miles) of the overall sewer collection system annually.

The City is a valued member of the CSMD and all of us in the CSMD are proud to have provided for the public safety of your residents for almost 60 years. I look forward to continuing our relationship in a positive, productive, and transparent manner. If I can be of any further assistance, please contact me at (626) 300-3304 or rkpatel@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER  
Director of Public Works



RAJESH PATEL  
Assistant Deputy Director  
Sewer Maintenance Division

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Enc.

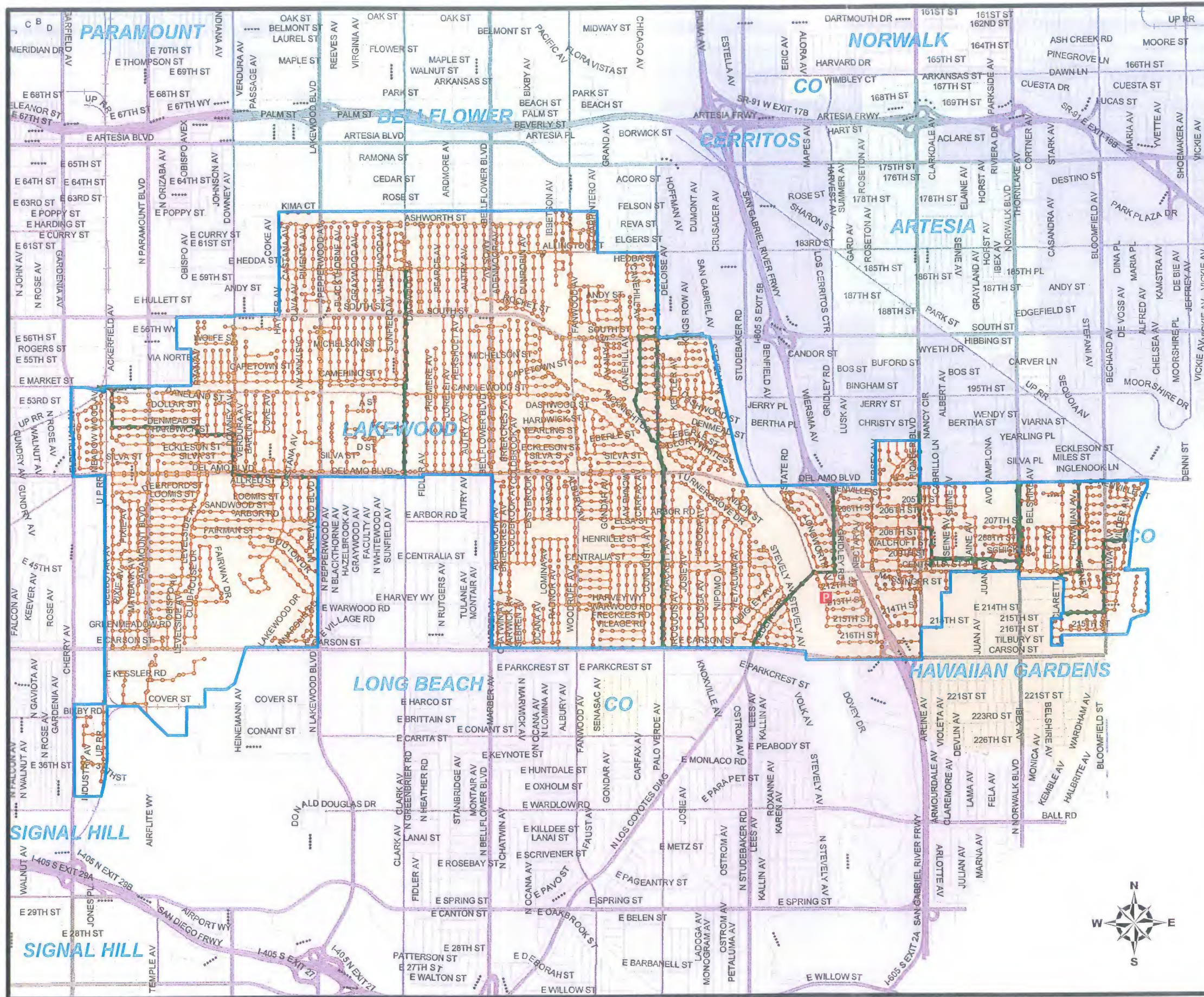
ENCLOSURE 1:

City of Lakewood

Sewer Facilities



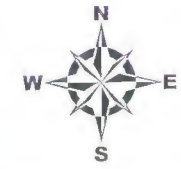
# Sewer Facilities in the City of Lakewood



## Legend

- SMD Pump Station
- SMD Sewer Manhole
- Trunk Sewers
- Trunk Manhole
- SMD Sewer

Sewers = 166 miles  
 Manholes = 3295  
 Pump Station = 1





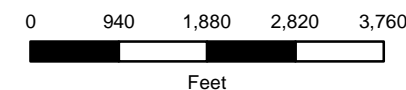
## ENCLOSURE 2:

CCTV Project Overview Map  
and Evaluation Report

# OVERVIEW MAP

## CCTV PROJECT

### CITY OF LAKEWOOD



#### Legend

##### SMD Sanitary Sewers

Sanitary Sewers

##### SMD Manholes

Other

Standard

DROP

Shallow

Trap

Siphon

SMD Pump Stations

SMD Treatment Plants

##### Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

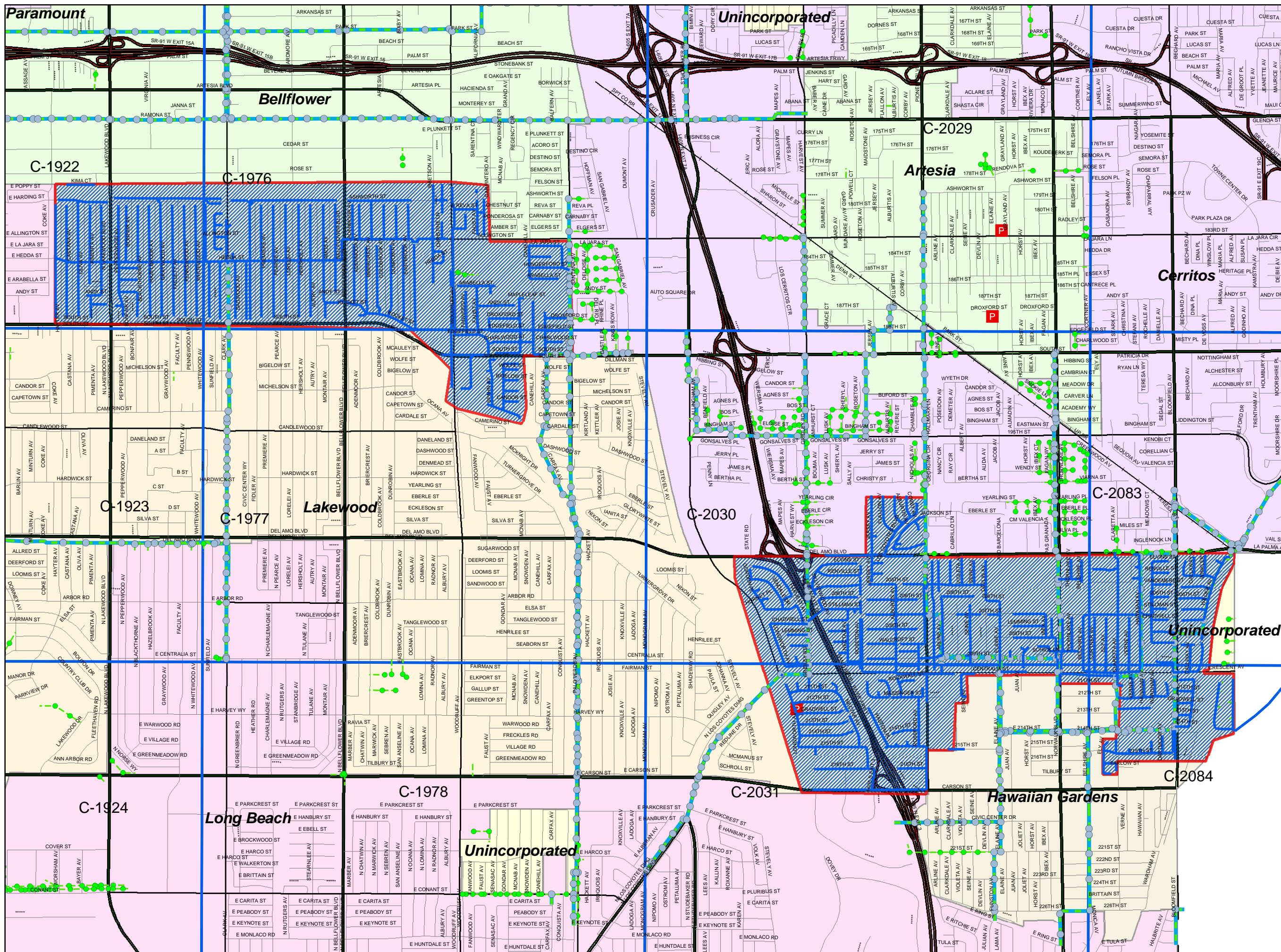
Non SMD Maintained MH

SMD Operations Maps

CCTV PROJECT AREA

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MARCH 2013





**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF LAKEWOOD**

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5239	2031-0133	2031-0098	215TH ST	Calcium deposits; infiltration dripper	Hydrojet (12/04/09)
2	5234	2031-0093	2031-0092	LONGWORTH AV	Calcium deposits; infiltration dripper	Hydrojet (11/19/09)
3	5200	1976-0610	1976-0611	ALLEY	Water mark (90%)	No action needed.
4	5141	2031-0093	2031-0094	LONGWORTH AV	Calcium deposits	Hydrojet (12/22/09)
5	5141	2031-0129	2031-0097	214TH ST	Calcium deposits	Hydrojet (12/03/09)
6	5141	1976-0519	1976-0601	IBBETSON AV	Roots	Rodder (11/19/09)
7	5141	1976-0602	1976-0603	IBBETSON AV	Camera underwater	Rodder (11/19/09)
8	5132	2030-0178	2030-0177	CHADWELL ST	Calcium deposits; infiltration dripper	Hydrojet (06/15/11)
9	5132	2083-0012	2083-0013	EASEMENT	Calcium deposits	Rodder (09/26/12)
10	5131	2030-0122	2030-0127	RENVILLE ST	Calcium deposits; infiltration dripper	Hydro (12/15/09)
11	5131	2031-0222	2031-0223	CARSON ST	Obstacle (bar) in main line	Rodder (10/08/09)
12	5131	2083-0103	2083-0102	VANDEMERE ST	Debris; infiltration dripper	Hydrojet (06/24/08)
13	5122	2030-0180	2030-TRNK	CHADWELL ST	Calcium deposits	Hydrojet (12/16/09)
14	5121	1922-0243	1922-0282	EASEMENT	Roots	Hydrojet (01/05/10)
15	5121	1976-0114	1976-0191	EASEMENT	Tap break-in/intruding: 89'	Rodder (12/22/09)
16	5121	1976-0419	1976-0420	EASEMENT	Roots; deposits	Rodder (11/06/09)
17	5121	1977-0352	1977-0353	SPAHN AV	Roots	Rodder (11/19/09)
18	5121	1977-0367	1977-0368	EDGEFIELD ST	Roots	Rodder (11/24/09)
19	5116	1976-0187	1976-0188	EASEMENT	Water mark (75%)	No action needed.
20	5100	1976-0429	1976-0430	ALLINGTON ST	Water mark (80%)	No action needed.
21	5100	1976-0377	1976-0378	BELLFLOWER BV	Water mark (80%)	No action needed.
22	5100	1976-0377	1976-0425	ALLINGTON ST	Water mark (80%)	No action needed.
23	5100	1976-0378	1976-0379	BELLFLOWER BV	Water mark (80%)	No action needed.
24	5100	1976-0425	1976-0426	ALLINGTON ST	Water mark (80%)	No action needed.
25	5100	1976-0426	1976-0427	ALLINGTON ST	Water mark (80%)	No action needed.
26	5100	1976-0427	1976-0428	ALLINGTON ST	Water mark (80%)	No action needed.
27	5100	1976-0428	1976-0429	ALLINGTON ST	Water mark (80%)	No action needed.
28	5100	1976-0601	1976-0602	IBBETSON AV	Water mark (80%)	No action needed.
29	5100	1976-0602	1976-0611	ALLINGTON ST	Water mark (80%)	No action needed.
30	5100	1976-0611	1976-0612	ALLINGTON ST	Water mark (80%)	No action needed.
31	5100	1976-0432	1976-0602	ALLINGTON ST	Water mark (80%)	No action needed.
32	4C00	2084-0175	2084-0176	EASEMENT	High flow	Hydrojet (06/09/11)
33	4A00	2084-0176	2084-TRNK	EASEMENT	Camera under water	Hydrojet (06/09/11)
34	4832	2031-0176	2031-0206	HASTON PL	Calcium deposits; infiltration runner	Hydrojet (06/30/10); Lining: MH to MH
35	4631	1976-0366	1976-0367	EASEMENT	Roots	Rodder (11/24/09)
36	4621	1976-0548	1976-0549	EASEMENT	Roots	Rodder (12/29/09)
37	4538	2031-0135	2031-0134	215TH ST	Calcium deposits; infiltration runner	Hydrojet (12/04/09); Lining: MH to MH
38	4333	2031-0097	2031-0096	LONGWORTH AV	Calcium deposits; infiltration dripper	Hydrojet (12/03/09)
39	4333	2031-0196	2031-0197	PIONEER AV	Calcium deposits; infiltration runner; infiltration dripper; sag	Hydrojet (06/30/10); Lining: MH to MH



**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF LAKEWOOD**

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
40	4321	1976-0549	1976-0636	EASEMENT	Roots	Rodder (12/29/09)
41	4321	1976-0636	1976-0637	EASEMENT	Roots	Rodder (12/29/09)
42	4321	1977-0359	1977-0368	EDGEFIELD ST	Roots	Rodder (11/24/09)
43	4321	1976-0517	1976-0518	IBBETSON AV	Root ball lateral	Lateral notice will be sent to property owner.
44	4232	2030-0163	2030-0132	205TH St	Roots	Rodder (11/18/09)
45	4232	2084-0173	2084-0174	EASEMENT	Sag	Hydrojet (06/9/11)
46	4231	2031-0096	2031-0095	LONGWORTH AV	Infiltration runner; sag	Hydrojet (12/22/09); Lining: MH to MH
47	4231	2031-0164	2031-0163	CENTRALIA AV	Roots	Rodder (11/18/09)
48	4231	2031-0171	2031-0172	MASSINGER ST	Infiltration runner; calcium deposits	Hydrojet (12/22/09)
49	4231	1922-0260	1922-0261	EASEMENT	Roots	Rodder (12/14/09)
50	4224	2031-0204	2031-0189	214TH ST	Infiltration runner; infiltration dripper; calcium deposits	Hydrojet (12/22/09); Lining: MH to MH
51	4221	2031-0208	2031-0202	ALBURTIS AV	Infiltration runner	Lining: MH to MH
52	4221	1976-0631	1976-0632	FAUST AV	Root ball lateral	Lateral notice will be sent to property owner.
53	413F	2031-0214	2031-0197	216TH ST	Calcium deposits	Hydrojet (06/29/10)
54	413D	2030-0120	2030-0121	DEL AMO BV	Calcium deposits	Hydrojet (12/15/09)
55	4139	2031-0098	2031-0097	LONGWORTH AV	Calcium deposits	Hydrojet (12/03/09)
56	4136	2030-0281	2030-0304	209TH St	Calcium deposits; high water mark	Hydrojet (12/15/09)
57	4136	2031-0104	2031-0116	NECTAR AV	Calcium deposits; infiltration dripper	Hydrojet (12/22/09)
58	4135	2031-0125	2031-0096	213TH ST	Calcium deposits; infiltration dripper	Hydro (12/03/09)
59	4133	2030-0178	2030-0179	CHADWELL ST	Infiltration runner; infiltration dripper	No action needed.
60	4133	2030-0254	2030-0253	205TH St	Roots	Rodder (10/08/09)
61	4133	2031-0196	2031-0195	PIONEER AV	Calcium deposits; infiltration dripper	Hydrojet (06/30/10)
62	4133	2031-0207	2031-0208	215TH ST	Infiltration runner inside lateral; infiltration dripper	No action needed.
63	4133	2031-0209	2031-0195	215TH ST	Sag	Hydrojet (05/26/11)
64	4132	2030-0132	2030-0131	205TH St	Roots; infiltration dripper	Rodder (11/18/09)
65	4132	2031-0117	2031-0118	212TH ST	Calcium deposits	Hydrojet (12/23/09)
66	4132	2031-0206	2031-0207	215TH ST	Infiltration runner	Lining: MH to MH
67	4132	1976-0188	1976-0189	EASEMENT	Roots	Rodder (12/10/09)
68	4131	2030-0107	2030-0096	EASEMENT	Calcium deposits	Hydrojet (06/30/10)
69	4131	2030-0114	2030-0113	WALCROFT ST	Debris	Hydrojet (05/26/11)
70	4131	2030-0170	2030-0171	ROSETON AV	Roots; root ball lateral; sag	Rodder (11/18/09); Lateral notice will be sent to property owner.
71	4131	2031-0115	2031-0116	211TH ST	Deposits attached	Hydrojet (06/30/10)
72	4131	2031-0169	2031-0170	MASSINGER ST	Infiltration dripper	No action needed.
73	4131	2031-0175	2031-0176	HASTON PL	Roots; root ball lateral	Rodder (11/18/09); Lateral notice will be sent to property owner.
74	4131	2031-0185	2031-0171	SEELEY PL	Infiltration runner inside lateral	No action needed.
75	4131	2031-0206	2031-0205	215TH ST	Calcium deposits; infiltration runner	Hydrojet (05/26/11); Lining: MH to MH
76	4131	1922-0274	1922-0275	EASEMENT	Roots	Rodder (12/14/09)

**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF LAKEWOOD**

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
77	4131	1976-0435	1976-0436	ROCKET ST	Camera underwater	Rodder (12/22/09)
78	412G	2031-0152	2031-0151	ALLEY	Heavy grease	Hydrojet (06/30/10)
79	412F	2030-0431	2030-0377	RENVILLE ST	Infiltration runner	Lining: MH to MH
80	412C	1976-0623	1976-0624	WOODRUFF AV	Roots	Rodder (11/19/09)
81	412B	2083-0018	2083-0017	EASEMENT	Water mark (60%)	No action needed.
82	412A	2030-0100	2030-0106	VENDALE DR	Calcium deposits	Hydrojet (03/04/08)
83	412A	2031-0126	2031-0125	213TH ST	Infiltration runner; infiltraion weeper	Lining: MH to MH
84	4126	2031-0203	2031-0204	214TH ST	Infiltration runner inside lateral	No action needed.
85	4125	2031-0192	2031-0159	PIONEER AV	Infiltration runner	No action needed.
86	4125	2031-0217	2031-0218	216TH ST	Infiltration runner; infiltration weeper	No action needed.
87	4124	2031-0090	2031-TRNK	CENTRALIA AV	Infiltration runner; infiltration weeper	Lining: MH to MH
88	4124	2031-0159	2031-0160	CENTRALIA AV	Infiltration runner; high flow	Hydrojet (05/26/11)
89	4124	2031-0201	2031-0207	SEELEY PL	Infiltration runner	No action needed.
90	4122	2031-0092	2031-0091	LONGWORTH AV	Calcium deposits	Hydrojet (11/19/09)
91	4122	2031-0186	2031-0172	EASEMENT	Infiltration dripper; sag due to large offset	No action needed.
92	4122	2083-0037	2084-0006	CLARETTA AV	Infiltration dripper	No action needed.
93	4122	1976-0518	1976-0519	IBBETSON AV	Roots	Rodder (11/19/09)
94	4121	2030-0265	2030-0264	207TH ST	Obstacle in pipe	Hydrojet (05/26/11)
95	4121	2031-0143	2031-0144	CARSON ST	Infiltration runner	Lining: MH to MH
96	4121	2031-0213	2031-0214	216TH ST	Calcium deposits	Hydrojet (06/29/10)
97	4121	1922-0085	1922-0107	EASEMENT	Roots	Rodder (11/24/09)
98	4121	1922-0085	1922-0213	ASHWORTH ST	Roots	Rodder (11/24/09)
99	4121	1922-0091	1922-0110	EASEMENT	Roots	Rodder (12/14/09)
100	4121	1922-0092	1922-0117	EASEMENT	Roots	Rodder (12/14/09)
101	4121	1922-0095	1922-0094	EASEMENT	Roots	Rodder (12/14/09)
102	4121	1922-0111	1922-0112	EASEMENT	Roots	Rodder (12/16/09)
103	4121	1922-0112	1922-0113	EASEMENT	Roots	Rodder (12/16/09)
104	4121	1922-0217	1922-0218	EASEMENT	Roots	Rodder (12/09/09)
105	4121	1922-0252	1922-0276	EASEMENT	Roots	Rodder (12/09/09)
106	4121	1922-0260	1922-0277	EASEMENT	Roots	Rodder (12/09/09)
107	4121	1922-0283	1922-0284	EASEMENT	Roots	Rodder (12/15/09)
108	4121	1976-0136	1976-0137	EASEMENT	Roots	Rodder (12/10/09)
109	4121	1976-0151	1976-0150	EASEMENT	Roots	Rodder (12/10/09)
110	4121	1976-0180	1976-0181	EASEMENT	Roots	Rodder (12/10/09)
111	4121	1976-0389	1976-0390	EASEMENT	Deposits	Rodder (12/15/09)
112	4121	1976-0524	1976-0525	CHRISTINE LN	Deposits; debris in MH	Rodder (11/19/09)
113	4121	1976-0547	1976-0549	EASEMENT	Roots; root ball lateral	Rodder (11/24/09)
114	4121	1976-0652	1976-0653	ARABELLA ST	Roots	Rodder (11/19/09)
115	4121	1976-0663	1976-0667	DROXFORD ST	Roots	Rodder (11/19/09)

**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF LAKEWOOD**

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
116	4121	1977-0361	1976-0651	CANEHILL AV	Roots	Rodder (11/24/09)
117	4121	1977-0366	1977-0367	EDGEFIELD ST	Roots	Rodder (11/24/09)
118	4121	1977-0378	1977-0379	SOUTH ST	Roots	Rodder (11/24/09)
119	4121	1977-0379	1977-0380	SOUTH ST	Roots	Rodder (11/24/09)
120	4112	2030-0175	2031-0112	ROSETON AV	Roots; root ball lateral	Rodder (11/18/09); Lateral notice will be sent to property owner.
121	4111	2030-0434	2030-0070	BELSHIRE AV	Roots; root ball lateral	Rodder (11/18/09); Lateral notice will be sent to property owner.
122	4111	2030-TRNK	2030-0411	FLORCROFT AV	Calcium deposits	Hydrojet (06/15/11)
123	4100	2030-0143	2030-0122	SYLVANWOOD AV	Calcium deposits	Hydrojet (06/30/10)
124	4100	2030-0432	2030-0431	BELSHIRE AV	Infiltration runner	Lining: MH to MH
125	4100	2083-0017	2083-0016	EASEMENT	Water mark (60%)	No action needed.
126	4100	2083-0053	2083-0050	207TH ST	Alignment down	No action needed.
127	4100	2084-0012	2084-TRNK	CENTRALIA ST	Water mark (60%)	No action needed.
128	4100	1977-0389	1977-0390	WOLFE ST	Water mark (50%)	No action needed.
129	4100	1922-0250	1922-0251	HEDDA ST	Water mark (55%)	No action needed.
130	4100	1922-0092	1922-0250	HEDDA ST	Water mark (60%)	No action needed.
131	3721	1977-0360	1977-0370	CHARLESWOOD ST	Sag	Rodder (11/25/09)
132	3321	1976-0404	1976-0405	EASEMENT	Roots	Rodder (12/30/09)
133	3221	1922-0215	1922-0216	EASEMENT	Roots	Rodder (12/09/09)
134	3221	1977-0369	1977-0370	EASEMENT	Roots	Rodder (12/15/09)
135	3200	1976-0160	1976-0161	EASEMENT	Sag	Rodder (12/30/09)
136	3200	1977-0361	1977-0381	EASEMENT	Roots	Rodder (12/15/09)
137	3122	1922-0242	1922-0274	EASEMENT	Sag	Rodder (12/14/09)
138	3122	1922-0256	1922-0303	EASEMENT	Obstacle	Rodder (12/09/09)
139	3122	1976-0603	1976-0604	EASEMENT	Roots	Rodder (12/15/09)
140	3122	1976-0604	1976-0605	EASEMENT	Roots	Rodder (12/15/09)
141	3122	1977-0350	1977-0369	ASHWORTH ST	Roots	Rodder (12/15/09)
142	3121	1922-0245	1922-0292	EASEMENT	Roots	Rodder (01/05/10)
143	3121	1922-0285	1922-0286	EASEMENT	Roots	Rodder (01/05/10)
144	3121	1976-0077	1976-0110	EASEMENT	Tap break-in/intruding: 162'	Rodder (12/10/09)
145	3121	1976-0081	1976-0088	ASHWORTH ST	Sag	Rodder (11/19/09)
146	3121	1976-0152	1976-0153	EASEMENT	Roots	Rodder (12/22/09)
147	3121	1976-0388	1976-0389	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
148	3121	1976-0390	1976-0391	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
149	3121	1976-0412	1976-0413	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
150	3121	1976-0440	1976-0441	ROCKET ST	Root ball lateral	Lateral notice will be sent to property owner.
151	3121	1977-0386	1977-0387	ALLEY	Roots	Rodder (11/19/09)
152	3121	1976-0365	1976-0433	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.



**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF LAKEWOOD**

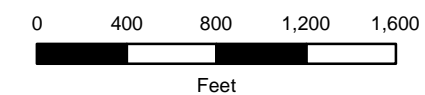
Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
153	3121	1976-0365	1976-0366	EASEMENT	Root ball lateral	Lateral notice will be sent to property owner.
154	3121	1976-0367	1976-0368	EASEMENT	Water mark (50%)	No action needed.
155	3121	1976-0368	1976-0371	EASEMENT	Water mark (50%)	No action needed.
156	3121	1976-0368	1976-0369	EASEMENT	Water mark (50%)	No action needed.
157	3121	1976-0430	1976-0431	ALLINGTON ST	Water mark (40%)	No action needed.
158	3121	1976-0436	1976-0437	ROCKET ST	Water mark (50%)	No action needed.
159	3100	1922-0258	1922-0318	EASEMENT	Water mark (40%)	No action needed.
160	3100	1976-0147	1976-0199	EASEMENT	Water mark (50%)	No action needed.
161	3100	1976-0364	1976-0433	EASEMENT	Water mark (50%)	No action needed.

# ENCLOSURE 2

## CCTV PROJECT

### LAKWOOD

#### QUICK MAINTENANCE RATING (QMR)



#### Legend

- SMD Sanitary Sewers**
- QMR**
- 1: MINOR (Green line)
- 2: MINOR TO MODERATE (Blue line)
- 3: MODERATE (Yellow line)
- 4: SIGNIFICANT (Magenta line)
- 5: MOST SIGNIFICANT (Red line)

#### SMD Manholes

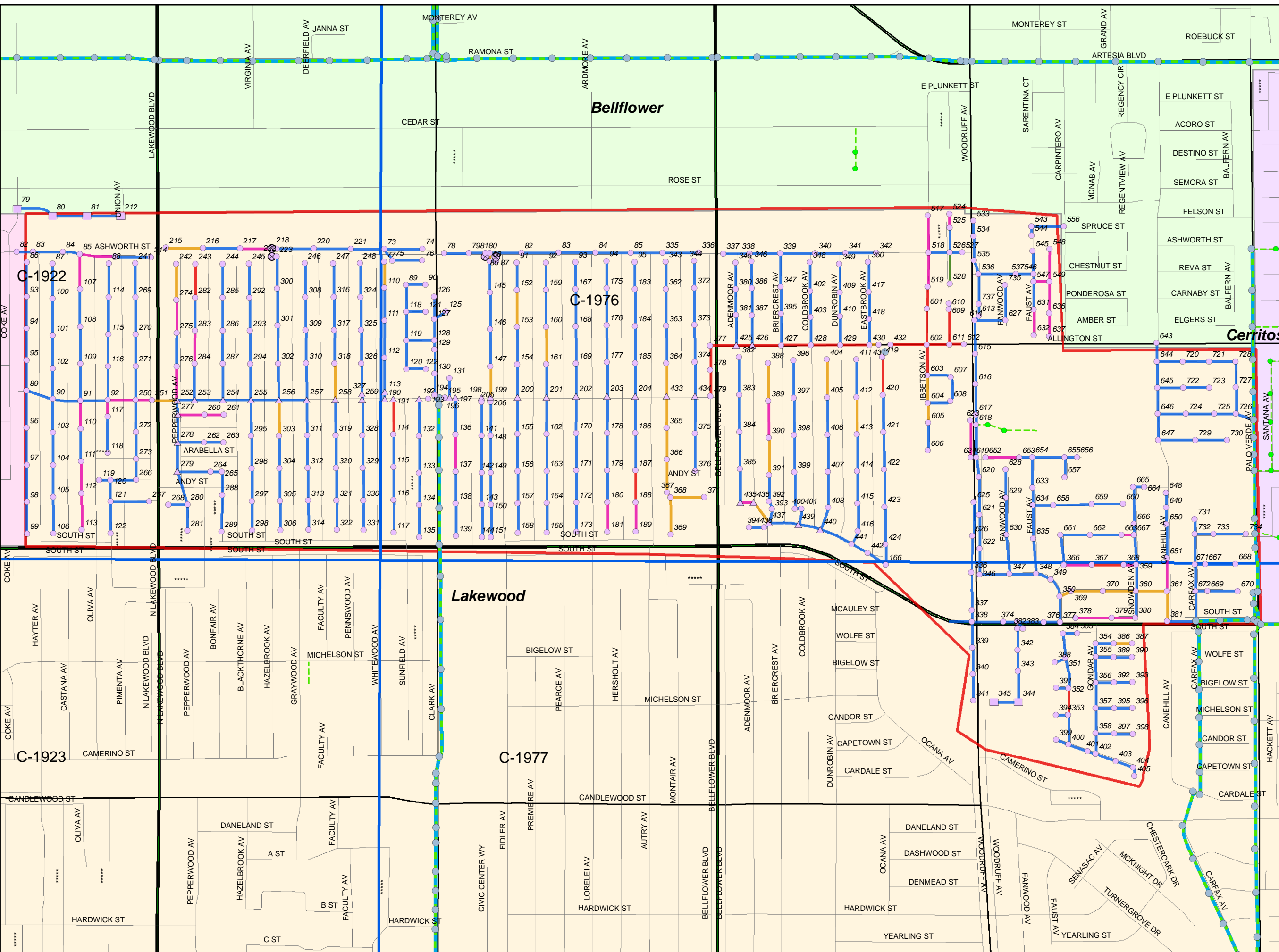
- Other (Circle with dot)
- Manhole Type
  - Standard (Purple circle)
  - DROP (Purple triangle)
  - Shallow (Purple square)
  - Trap (Purple diamond)
  - Siphon (Purple circle with cross)
  - SMD Pump Stations (Red square with 'P')
  - SMD Treatment Plants (Red square with 'WTP')

#### Maintained by Others:

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

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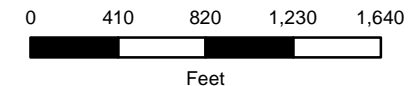


# ENCLOSURE 2

## CCTV PROJECT

### LAKWOOD

#### QUICK MAINTENANCE RATING (QMR)



#### Legend

##### SMD Sanitary Sewers

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

##### SMD Manholes

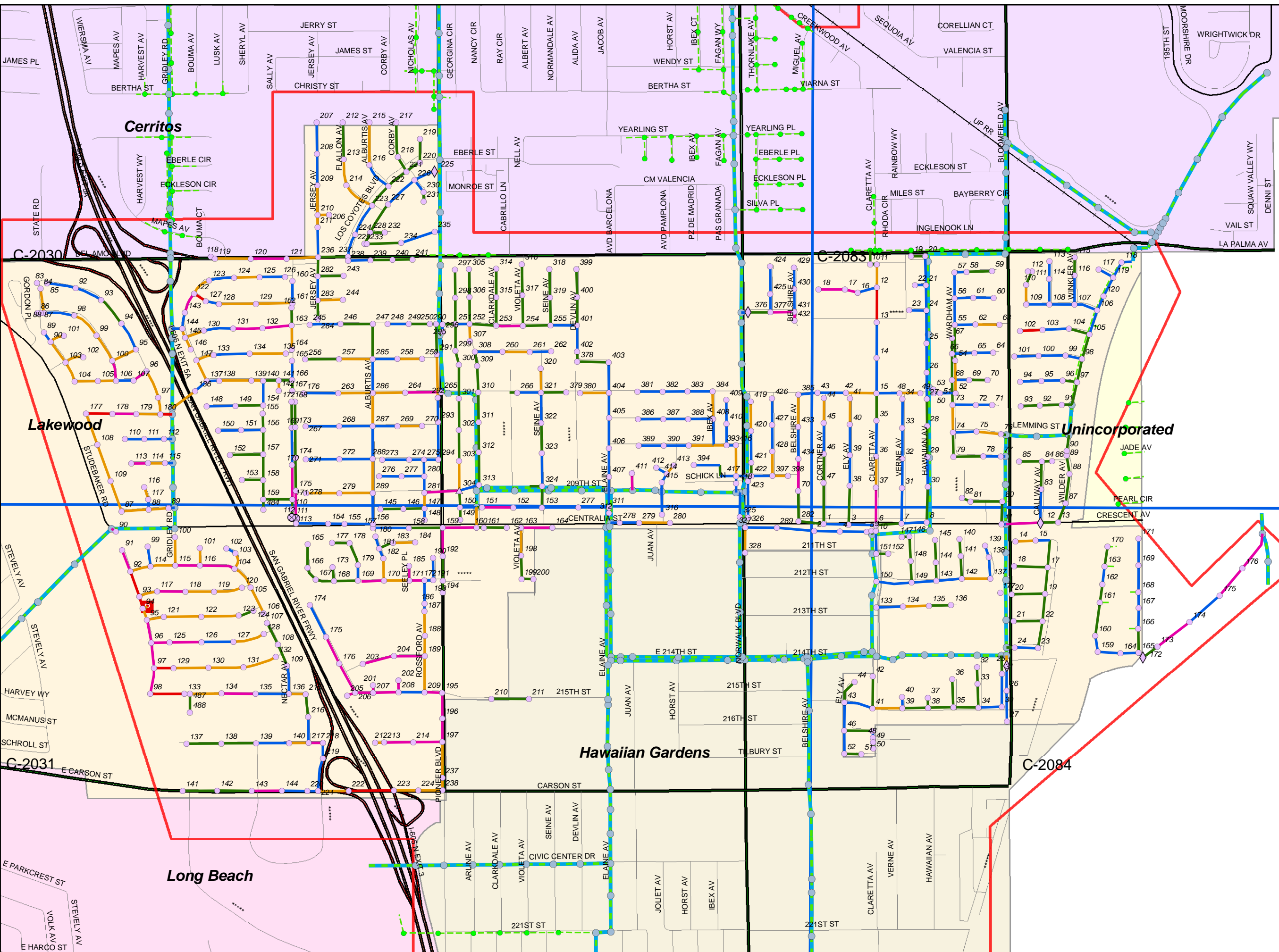
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

##### Maintained by Others:

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

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**ENCLOSURE 2  
HIGH WATER LEVELS  
CITY OF LAKEWOOD**

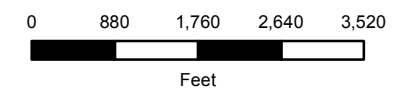
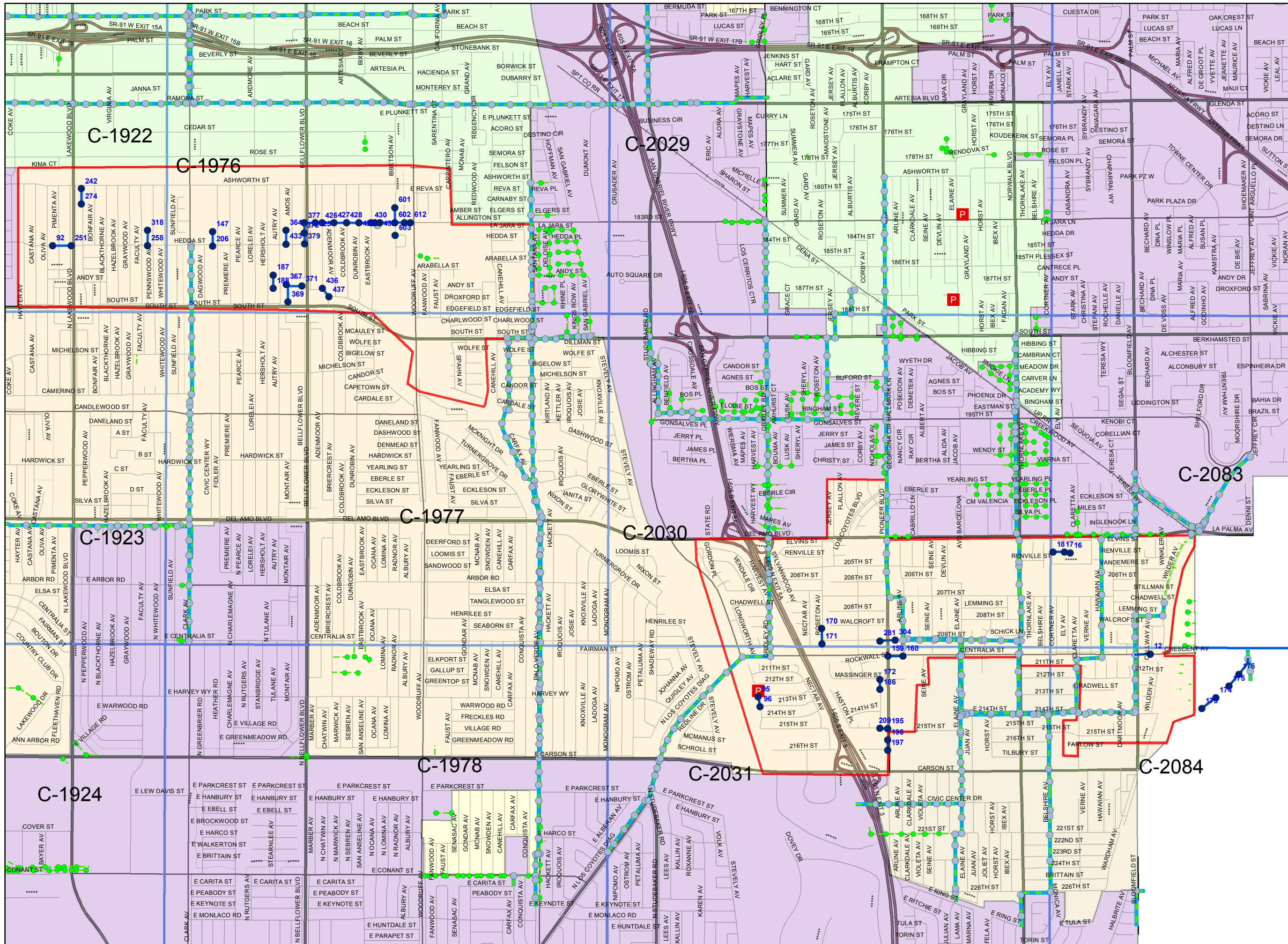
Item No.	QMR	START MH	END MH	STREET	OBSERVATION	PERCENT CAPACITY: LOCATION
1	5200	1976-0610	1976-0611	ALLEY	Water mark	90%
2	5141	1976-0602	1976-0603	IBBETSON AV	Camera underwater due to lift station	(70%'-100%'): 147'-End MH
3	5116	1976-0187	1976-0188	EASEMENT	Water mark	75%
4	5100	1976-0429	1976-0430	ALLINGTON ST	Water mark	80%
5	5100	1976-0377	1976-0378	BELLFLOWER BV	Water mark	80%
6	5100	1976-0377	1976-0425	ALLINGTON ST	Water mark	80%
7	5100	1976-0378	1976-0379	BELLFLOWER BV	Water mark	80%
8	5100	1976-0425	1976-0426	ALLINGTON ST	Water mark	80%
9	5100	1976-0426	1976-0427	ALLINGTON ST	Water mark	80%
10	5100	1976-0427	1976-0428	ALLINGTON ST	Water mark	80%
11	5100	1976-0428	1976-0429	ALLINGTON ST	Water mark	80%
12	5100	1976-0601	1976-0602	IBBETSON AV	Water mark	100%
13	5100	1976-0602	1976-0611	ALLINGTON ST	Water mark	100%
14	5100	1976-0611	1976-0612	ALLINGTON ST	Water mark	100%
15	5100	1976-0432	1976-0602	ALLINGTON ST	Water mark	100%
16	4C00	2084-0175	2084-0176	EASEMENT	High flow due to trunkline	(40% - 60%): 100' - End MH
17	4A00	2084-0176	2084-TRNK	EASEMENT	Camera under water due to trunkline	(80% - 90%): Start MH - End MH
18	4333	2031-0196	2031-0197	PIONEER AV	Sag	(40% - 60%): 170' - 200'
19	4232	2084-0173	2084-0174	EASEMENT	Sag	(40% - 50%): 300' - End MH
20	4231	2031-0096	2031-0095	LONGWORTH AV	Sag	(40% - 50%): 80' - 95'
21	4136	2030-0281	2030-0304	209TH St	Water mark	60%
22	4133	2031-0209	2031-0195	215TH ST	Sag	(40% - 50%): 160' - End MH
23	4131	2030-0170	2030-0171	Roseton Av	Sag	(40% - 50%): 130' - 160'
24	412B	2083-0018	2083-0017	EASEMENT	Water mark	60%
25	4124	2031-0159	2031-0160	CENTRALIA AV	High flow	(40% - 80%): Start MH - End MH
26	4122	2031-0186	2031-0172	EASEMENT	Sag due to large offset	(40% - 85%)
27	4100	2084-0012	2084-TRNK	CENTRALIA ST	Water mark	60%
28	4100	2083-0017	2083-0016	EASEMENT	Water mark	60%
29	4131	1976-0435	1976-0436	ROCKET ST	Camera underwater due to lift station	(60%'-100%'): 0'-124'
30	4100	1922-0250	1922-0251	HEDDA ST	Water mark	55%
31	4100	1922-0092	1922-0250	HEDDA ST	Water mark	60%
32	3200	1976-0160	1976-0161	EASEMENT	Sag	(40% - 50%): 4' - 200'
33	3122	1922-0242	1922-0274	EASEMENT	Sag	(40% - 50%): 3' - 20'
34	3121	1976-0081	1976-0088	ASHWORTH ST	Sag	(50% - 70%): 5' - 27'
35	3121	1976-0367	1976-0368	EASEMENT	Water mark	50%
36	3121	1976-0368	1976-0371	EASEMENT	Water mark	50%
37	3121	1976-0368	1976-0369	EASEMENT	Water mark	50%
38	3121	1976-0430	1976-0431	ALLINGTON ST	Water mark	40%
39	3121	1976-0436	1976-0437	ROCKET ST	Water mark	50%
40	3100	1922-0258	1922-0318	EASEMENT	Water mark	40%
41	3100	1976-0147	1976-0199	EASEMENT	Water mark	50%
42	3100	1976-0364	1976-0433	EASEMENT	Water mark	50%

# ENCLOSURE 2

## CCTV PROJECT

### LAKewood

#### HIGH WATER LEVELS



#### Legend

- High Water Levels
- SMD Manholes**
  - Other
  - Standard
  - DROP
  - Shallow
  - Trap
  - Siphon
  - MH: High Water Levels
  - SMD Pump Stations
  - SMD Treatment Plants
- Maintained by Others:**
  - Trunk Sewerlines
  - Non SMD Sanitary Sewers
  - Non SMD Maintained MH
  - SMD Operations Maps
  - CCTV Project Area

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APRIL 2013

**ENCLOSURE 2  
INFILTRATION  
CITY OF LAKEWOOD**

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5234	2031-0093	2031-0092	LONGWORTH AV	Infiltration dripper: 44'	Infiltration is minimal. No action needed.	
2	5142	2031-0133	2031-0098	215TH ST	Infiltration dripper: 66', 59' (reverse), 149' (reverse)	Infiltration is minimal. No action needed.	
3	5132	2030-0178	2030-0177	CHADWELL ST	Infiltration dripper: 18'	Infiltration is minimal. No action needed.	
4	5131	2030-0122	2030-0127	RENVILLE ST	Infiltration dripper: 20'	Infiltration is minimal. No action needed.	
5	5131	2083-0103	2083-0102	VANDEMERE ST	Infiltration dripper: 7'	Infiltration is minimal. No action needed.	
6	4832	2031-0176	2031-0206	HASTON PL	Infiltration runner: 89', 119', 152', 249', 296', 300', 306', 330'	Lining: MH to MH	355
7	4538	2031-0135	2031-0134	215TH ST	Infiltration runner: 25', 67', 105'	Lining: MH to MH	352
8	4333	2031-0196	2031-0197	PIONEER AV	Infiltration runner: 68'; dripper: 124'	Lining: MH to MH	216
9	4333	2031-0097	2031-0096	LONGWORTH AV	Infiltration dripper: 2'	Infiltration is minimal. No action needed.	
10	4231	2031-0171	2031-0172	MASSINGER ST	Infiltration runner: 164'	Infiltration is minimal. No action needed.	
11	4231	2031-0096	2031-0095	LONGWORTH AV	Infiltration runner: 4'	Lining: MH to MH	250
12	4224	2031-0204	2031-0189	214TH ST	Infiltration runner: 2'; dripper: 5'	Lining: MH to MH	334
13	4221	2031-0208	2031-0202	ALBURTIS AV	Infiltration runner: 4', 17'	Lining: MH to MH	130
14	4136	2031-0104	2031-0116	NECTAR AVE	Infiltration dripper: 2'	Infiltration is minimal. No action needed.	
15	4135	2031-0125	2031-0096	213TH ST	Infiltration dripper: 126', 61' (reverse)	Infiltration is minimal. No action needed.	
16	4133	2030-0178	2030-0179	CHADWELL ST	Infiltration runner: 4'; dripper: 198'	Infiltration is minimal. No action needed.	
17	4133	2031-0207	2031-0208	215TH ST	Infiltration runner: 190' inside lateral; dripper: 142'	Infiltration is minimal. No action needed.	
18	4133	2031-0196	2031-0195	PIONEER AV	Infiltration dripper: 7'	Infiltration is minimal. No action needed.	
19	4132	2030-0132	2030-0131	205TH St	Infiltration dripper: 97', 257'	Infiltration is minimal. No action needed.	
20	4132	2031-0206	2031-0207	215TH ST	Infiltration runner: 183'	Lining: MH to MH	193
21	4131	2031-0169	2031-0170	MASSINGER ST	Infiltration dripper: 85', 105'	Infiltration is minimal. No action needed.	
22	4131	2031-0185	2031-0171	SEELEY PL	Infiltration runner: 100' inside lateral	Infiltration is minimal. No action needed.	
23	4131	2031-0206	2031-0205	215TH ST	Infiltration runner: 66'	Lining: MH to MH	132
24	412F	2030-0431	2030-0377	RENVILLE ST	Infiltration runner: 184'	Lining: MH to MH	245
25	412A	2031-0126	2031-0125	213TH ST	Infiltration runner: 97'; weeper	Lining: MH to MH	351
26	4126	2031-0203	2031-0204	214TH ST	Infiltration runner: 299' inside lateral	Infiltration is minimal. No action needed.	
27	4125	2031-0217	2031-0218	216TH ST	Infiltration runner: 90'; weeper	Infiltration is minimal. No action needed.	
28	4125	2031-0192	2031-0159	PIONEER AV	Infiltration runner: 214'	Infiltration is minimal. No action needed.	
29	4124	2031-0090	2031-TRNK	CENTRALIA AV	Infiltration runner: 89'; weeper	Lining: MH to MH (105')	105
30	4124	2031-0201	2031-0207	SEELEY PL	Infiltration runner: 53'	Infiltration is minimal. No action needed.	
31	4124	2031-0159	2031-0160	CENTRALIA AV	Infiltration runner: 5'	Infiltration is minimal. No action needed.	
32	4122	2031-0186	2031-0172	EASEMENT	Infiltration dripper: 3'	Infiltration is minimal. No action needed.	
33	4122	2083-0037	2084-0006	CLARETTA AV	Infiltration dripper: 303'	Infiltration is minimal. No action needed.	
34	4121	2031-0143	2031-0144	CARSON ST	Infiltration runner: 109'	Lining: MH to MH	301



**ENCLOSURE 2  
INFILTRATION  
CITY OF LAKEWOOD**

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
35	4100	2030-0432	2030-0431	BELSHIRE AV	Infiltration runner: 35'	Lining: MH to MH	102
36	312F	2030-0120	2030-0119	DEL AMO BV	Infiltration dripper: 204', 206'; weeper	Infiltration is minimal. No action needed.	
37	3H24	2031-0134	2031-0487	215TH ST	Infiltration dripper: 258'	Infiltration is minimal. No action needed.	
38	3D2G	2030-0279	2030-0289	209TH St	Infiltration dripper: 213'; weeper	Infiltration is minimal. No action needed.	
39	3C00	2030-0121	2030-0120	DEL AMO BV	Infiltration dripper: 80'; 71' (reverse)	Infiltration is minimal. No action needed.	
40	3A2B	2031-0214	2031-0213	216TH ST	Infiltration dripper: 128', 251' inside lateral; weeper	Infiltration is minimal. No action needed.	
41	3722	2031-0095	2031-0121	GRADWELL ST	Infiltration dripper: 58'	Infiltration is minimal. No action needed.	
42	362F	2030-0103	2030-0104	LONGWORTH AV	Infiltration dripper: 144'	Infiltration is minimal. No action needed.	
43	342O	2031-0237	2031-0238	PIONEER AV	Infiltration dripper: 20', 70'	Infiltration is minimal. No action needed.	
44	342D	2031-0122	2031-0121	GRADWELL ST	Infiltration dripper: 340', 346'	Infiltration is minimal. No action needed.	
45	342B	2031-0087	2031-0088	SEABORN ST	Infiltration dripper: 160'	Infiltration is minimal. No action needed.	
46	332B	2031-0119	2031-0118	212TH ST	Infiltration dripper: 158'	Infiltration is minimal. No action needed.	
47	332A	2030-0161	2030-0129	RENVILLE ST	Infiltration dripper: 302', 328'	Infiltration is minimal. No action needed.	
48	332A	2030-0108	2030-0177	LONGWORTH AV	Infiltration dripper: 284'	Infiltration is minimal. No action needed.	
49	322D	2030-0392	2030-0393	208TH ST	Infiltration dripper: 56'; weeper	Infiltration is minimal. No action needed.	
50	322A	2030-0114	2030-0115	WALCROFT ST	Infiltration dripper: 126'	Infiltration is minimal. No action needed.	
51	3226	2030-0105	2030-0104	STILLMAN ST	Infiltration dripper: 20'	Infiltration is minimal. No action needed.	
52	3225	2031-0224	2031-0238	CARSON ST	Infiltration dripper: 293'	Infiltration is minimal. No action needed.	
53	312P	2031-0280	2031-0279	CENTRALIA AV	Infiltration dripper: 107'	Infiltration is minimal. No action needed.	
54	312F	2030-0289	2030-0288	ALBURTIS AV	Infiltration dripper: 297'	Infiltration is minimal. No action needed.	
55	312C	2030-0129	2030-0128	RENVILLE ST	Infiltration dripper: 81'	Infiltration is minimal. No action needed.	
56	312C	2030-0117	2030-0116	HARVEST AV	Infiltration dripper: 105'	Infiltration is minimal. No action needed.	
57	312B	2030-0125	2030-0124	ELVINS ST	Infiltration dripper: 11'	Infiltration is minimal. No action needed.	
58	312B	2031-0223	2031-0224	CARSON ST	Infiltration dripper: 184'; weeper	Infiltration is minimal. No action needed.	
59	312A	2030-0130	2030-0145	205TH St	Infiltration dripper: 164'	Infiltration is minimal. No action needed.	
60	3129	2030-0384	2030-0408	IBEX AV	Infiltration runner: 108'; weeper	Lining: MH to MH	255
61	3126	2083-0110	2083-0109	RENVILLE ST	Infiltration dripper: 123', 42' (reverse), 75' (reverse)	Infiltration is minimal. No action needed.	
62	3124	2031-0188	2031-0189	ROSSFORD AV	Infiltration dripper: 212'	Infiltration is minimal. No action needed.	
63	3123	2083-0075	2083-0076	LEMMING ST	Infiltration dripper: 172' inside lateral	Infiltration is minimal. No action needed.	
64	3122	2031-0117	2031-0093	212TH ST	Infiltration dripper: 33'	Infiltration is minimal. No action needed.	
65	3122	2031-0170	2031-0171	MASSINGER ST	Infiltration dripper: 99'	Infiltration is minimal. No action needed.	
66	3121	2030-0141	2030-0142	EASEMENT	Infiltration dripper: 10'	Infiltration is minimal. No action needed.	
67	3121	2083-0040	2083-0041	ELY AV	Infiltration dripper: 27'	Infiltration is minimal. No action needed.	
68	3121	2030-0286	2030-0264	207TH ST	Infiltration dripper: 0'	Infiltration is minimal. No action needed.	

**ENCLOSURE 2  
INFILTRATION  
CITY OF LAKEWOOD**

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
69	3121	2031-0094	2031-PUMP	LONGWORTH AV	Infiltration dripper: 0'	Infiltration is minimal. No action needed.	
70	3100	2030-0140	2030-0139	STILLMAN ST	Infiltration dripper: 116'	Infiltration is minimal. No action needed.	

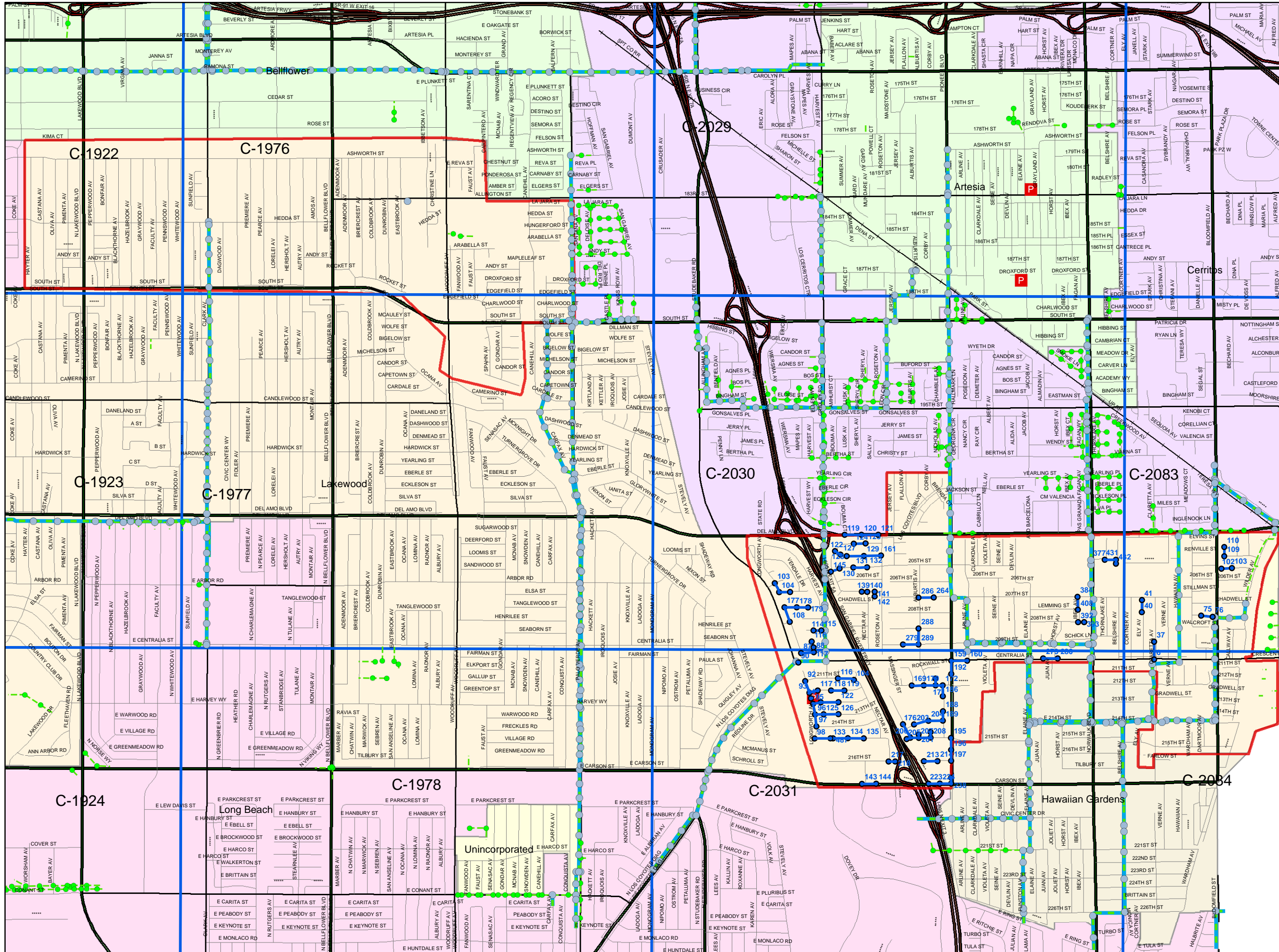
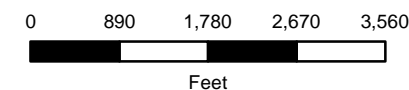
**TOTAL      3,321**

# ENCLOSURE 2

## CCTV PROJECT

### LAKWOOD

#### INFILTRATION



#### Legend

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

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APRIL 2013





GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

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

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

{Date}

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner

Dear Property Owner:

### SEWER LATERAL ROOT INTRUSION

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

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

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

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

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

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

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

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

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

Very truly yours,

GAIL FARBER  
Director of Public Works

RAJESH PATEL  
Assistant Deputy Director  
Sewer Maintenance Division

XXXX

Enc.

XXXX  
Roots at Lateral Connection





## Minimizing Sewer Overflows and Damage to Your Home

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

### SEWER LATERALS – AREAS OF RESPONSIBILITY



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

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

The three methods we suggest are:

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

## ENCLOSURE 3:

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

**ENCLOSURE 3  
QUICK STRUCTURAL RATING REPORT PRIORITY LIST  
CITY OF LAKEWOOD**

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5221	2031-0186	2031-0172	EASEMENT	Broken with large offset: 68'	Point Repair: 68'	
2	5134	1922-0220	1922-0221	ASHWORTH ST	Broken: 122'	Structural integrity in tact. No action needed.	
3	5131	2031-0326	2030-0423	NORWALK BV	Fractures: 48', 210'	Structural integrity intact. No action needed.	
4	5131	1976-0084	1976-0085	ASHWORTH ST	Broken: 114' (external patch)	Structural integrity in tact. No action needed.	
5	5123	2084-0041	2084-0043	215TH ST	Large joint offsets: 2', 27'; fractures: 51', 83'	Point Repair: 2', 27'	
6	5123	2031-0153	2031-0152	ALLEY	Fractures: 179', 328'	Structural integrity intact. No action needed.	
7	5122	2030-0313	2030-0304	209TH St	Fractures/hole: 8', 20'	Structural integrity intact. No action needed.	
8	5121	1976-0141	1976-0142	EASEMENT E/O DAGWOOD AV	Broken (lateral connection): 94'	Point Repair: 94'	
9	5114	2083-0023	2083-0024	RENVILLE ST	Medium joint offset: 156'; fracture: 166'	Structural integrity intact. No action needed.	
10	5111	2031-0133	2031-0098	215TH ST	Fractures/ broken at wye: 54'	Structural integrity intact. No action needed.	
11	5111	2031-0311	2031-0312	ELAINE AV	Hole: 1'	Structural integrity intact. No action needed.	
12	5100	2030-0276	2030-0277	ALLEY	Broken at wye: 225'	Structural integrity intact. No action needed.	
13	5100	2031-0215	2031-0136	215TH ST	Hole at base of MH 215	CSMD will repair MH base.	
14	5100	2083-0106	2083-0105	WILDER AV	Hole: 43'	Structural integrity intact. No action needed.	
15	5100	1922-0309	1922-0310	EASEMENT E/O GRAYWOOD AV	Broken: 125'	Structural integrity in tact. No action needed.	
16	5100	1976-0073	1976-0075	ASHWORTH ST	Hole with external patch: 68'	Structural integrity in tact. No action needed.	
17	5100	1976-0364	1976-0433	EASEMENT E/O AUTRY AV	Hole with visible void: 5'	Point Repair: 5'	
18	5100	1976-0435	1976-0436	ROCKET ST	Hole with soil visible: 1'	Point Repair: 1'	
19	4231	1976-0525	1976-0526	CHRISTINE LN	Fractures: 7', 208'	Structural integrity in tact. No action needed.	
20	4221	1922-0247	1922-0316	EASEMENT W/O PENNSWOOD AV	Fractures: 178', 313'	Structural integrity in tact. No action needed.	
21	4200	2031-0112	2031-0113	ROSETON AV	Hole at base of MH 112	CSMD will repair MH base.	
22	4200	1976-0148	1976-0206	EASEMENT W/O FIDLER AV	Fractures: 311', 261'	Structural integrity in tact. No action needed.	
23	413B	2030-0255	2030-0401	205TH St	Fractures: 15', 255'; cracks: 61', 75', 88', 130', 234'	Lining: MH to MH	265
24	4138	1922-0248	1922-0324	EASEMENT E/O PENNSWOOD	Fracture: 60'	Structural integrity in tact. No action needed.	
25	4136	1922-0215	1922-0216	ASHWORTH ST	Fracture: 5'; cracks: multiple locations	Structural integrity in tact. No action needed.	
26	4135	1976-0115	1976-0116	EASEMENT W/O SUNFIELD AV	Broken lateral connection: 281'; cracks	Point Repair: 281'	
27	4133	2031-0090	2031-TRNK	CENTRALIA AV	Broken/fractures: 93' (repair patch); hole: 95'; fracture: 103'	Lining: MH to MH	104
28	4133	1922-0260	1922-0261	EASEMENT N/O HUNGERFORD ST	Broken at lateral connection: 146'	Structural integrity in tact. No action needed.	
29	4132	1976-0112	1976-0113	EASEMENT E/O WHITEWOOD AV	Fracture: 57'	Structural integrity in tact. No action needed.	
30	4132	1976-0116	1976-0117	EASEMENT W/O SUNFIELD AV	Fracture: 195'	Structural integrity in tact. No action needed.	
31	4131	2031-0277	2031-0311	ALLEY	Large offset: 318' - 328'; fractures: 21'-24'	Structural integrity intact. No action needed.	
32	4131	2030-0401	2030-0402	DELVIN AV	Fractures: 94', 127', 206'	Lining: MH to MH	218
33	4122	1922-0254	1922-0287	EASEMENT E/O BONFAIR AV	Fracture: 84'	Structural integrity in tact. No action needed.	
34	4121	1922-0317	1922-0318	EASEMENT W/O PENNSWOOD AV	Fractures: 41'	Structural integrity in tact. No action needed.	



**ENCLOSURE 3  
QUICK STRUCTURAL RATING REPORT PRIORITY LIST  
CITY OF LAKEWOOD**

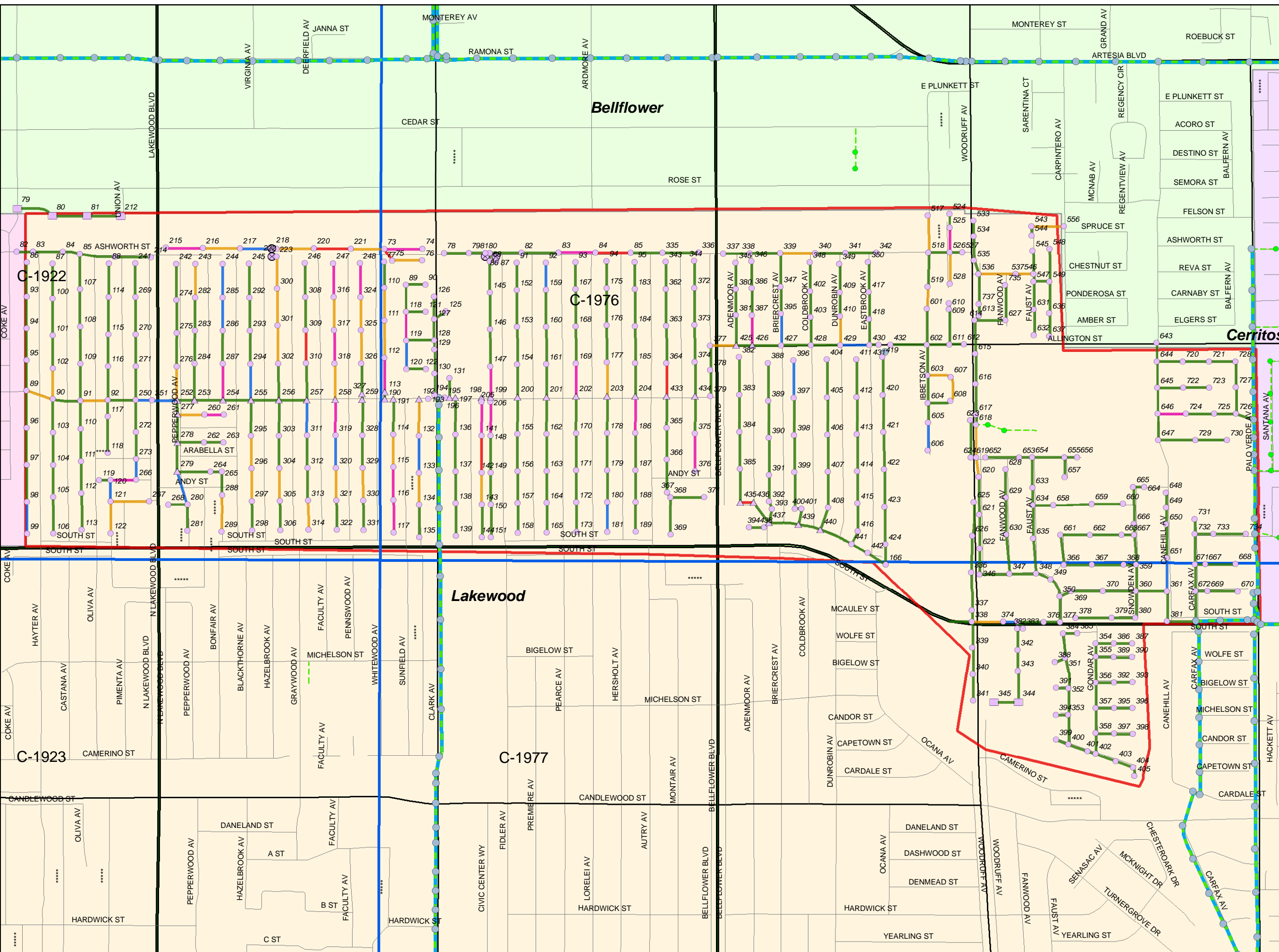
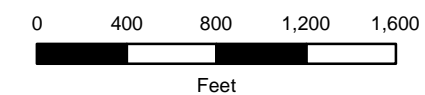
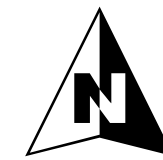
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
35	4121	1976-0147	1976-0199	EASEMENT W/O FIDLER AV	Fracture: 39'	Structural integrity in tact. No action needed.	
36	4100	2084-0167	2084-0166	EASEMENT	Fracture: 201'	Structural integrity intact. No action needed.	
37	4100	2084-0011	2084-TRNK	CENTRALIA ST	Broken/fractures: 2'	Lining: MH to MH	58
38	4100	2083-0021	2083-0022	ELVINS ST	Fracture: 3'	Structural integrity intact. No action needed.	
39	4100	1922-0120	1922-0266	ANDY ST	Fracture: 61'	Structural integrity in tact. No action needed.	
40	4100	1922-0258	1922-0319	EASEMENT W/O PENNSWOOD AV	Fracture: 170'	Structural integrity in tact. No action needed.	
41	4100	1976-0073	1976-0074	ASHWORTH ST	Fracture: 165'	Structural integrity in tact. No action needed.	
42	4100	1976-0083	1976-0084	ASHWORTH ST	Fracture: 332'	Structural integrity in tact. No action needed.	
43	4100	1976-0118	1976-0119	SUNFIELD AV	Fracture: 264'	Structural integrity in tact. No action needed.	
44	4100	1976-0141	1976-0205	EASEMENT E/O DAGWOOD AV	Fracture: 4'	Structural integrity in tact. No action needed.	
45	4100	1976-0169	1976-0202	EASEMENT W/O LORELEI AV	Broken/deformed: 4'	Point Repair: 4'	
46	4100	1976-0186	1976-0204	EASEMENT W/O AUTRY AV	Fracture: 249'	Structural integrity in tact. No action needed.	
47	4100	1976-0375	1976-0376	EASEMENT E/O AMOS AV	Fracture: 35'	Structural integrity in tact. No action needed.	
48	4100	1976-0387	1976-0426	ADENMOOR AV	Fracture: 288'	Structural integrity in tact. No action needed.	
49	4100	1976-0646	1976-0724	HUNGERFORD ST	Fracture: 43'	Structural integrity in tact. No action needed.	

# ENCLOSURE 3

## CCTV PROJECT

### LAKWOOD

#### QUICK STRUCTURAL RATING (QSR)



#### Legend

##### SMD Sanitary Sewers QSR

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

##### SMD Manholes

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

##### Maintained by Others:

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

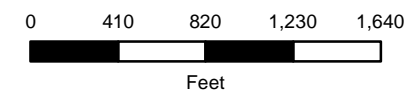
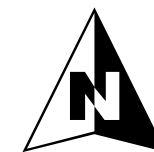
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# ENCLOSURE 3

## CCTV PROJECT

### LAKWOOD

#### QUICK STRUCTURAL RATING (QSR)



#### Legend

##### SMD Sanitary Sewers

##### QSR

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

##### SMD Manholes

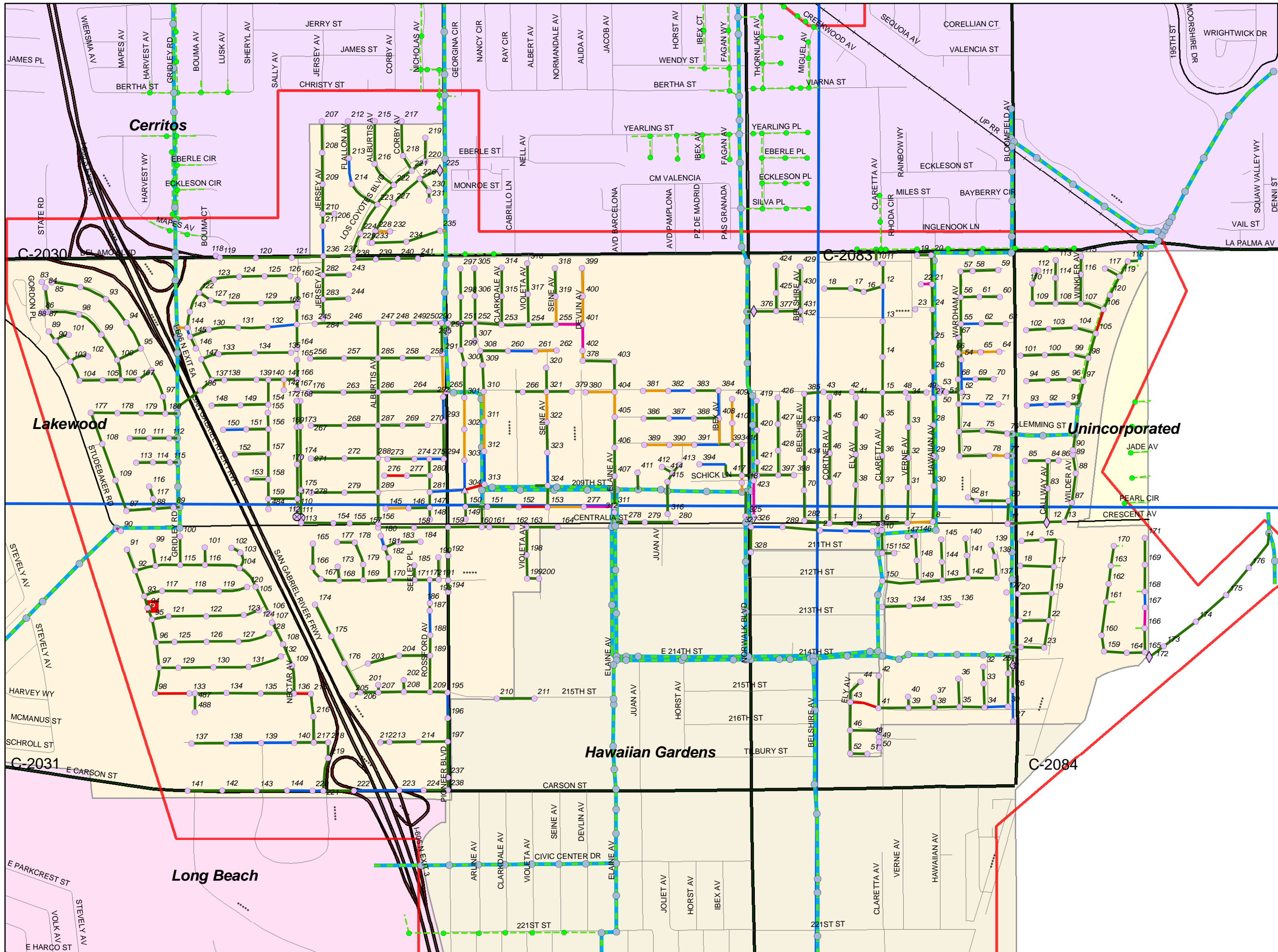
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

##### Maintained by Others:

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

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APRIL 2013





## ENCLOSURE 4:

Infrastructure Inspection Reports  
for Grades 4 and 5



## Inspection report

Date: 03/11/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1198	PSR: 124013
Total Pipe Length: 225.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 0	Flow Control: Not Controlled	Start MH: 2031-0186
City: LAK	Year Renewed:	End MH: 2031-0172
Location Code: Easement/Right of Way	Tape/Media #: M313-024	pipe length: 68.6 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0172/2031-0186/2031	Lining Method:
	Category:

Remark::

1:175	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0186	00:00:27	7216	
	3.50	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:00:49	7217, b	M 2
	3.50	Water Level, 10 %, within 8 inch: NO	00:01:12	7219	M 2
	3.60	Inj Runner, at 4 o'clock, within 8 inch: YES	00:01:44	7220, b	M 4
	68.60	Joint Offset Large, within 8 inch: YES	00:04:24	7222, b	S 2
	68.60	Hole Soil Visible, from 2 to 4 o'clock, within 8 inch: YES	00:04:52	7224, b	S 5
	68.60	Hole Soil Visible, from 7 to 9 o'clock, within 8 inch: YES	00:05:16	7226, b	S 5
	68.60	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS LARGE OFFS	00:06:02	7228	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5221	4122	12	8	20	4	2.67	3.33



## Inspection report

Date: 03/11/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1196	PSR: 124013
Total Pipe Length: 225.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 0	Flow Control: Not Controlled	Start MH: 2031-0172
City: LAK	Year Renewed	End MH: 2031-0186
Location Code: Easement/Right of Way	Tape/Media #: M313-024	pipe length: 116.6 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0172/2031-0186/2031	Lining Method:
	Category:

Remark::

1:300	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0172	00:00:26	7190	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:04	7191	M 2
	13.00	Deposits Attached Encrustation, from 2 to 4 o'clock, 5 %, within 8 inch: YES	00:01:52	7192, b	M 2
	18.90	Water Level, 15 %, within 8 inch: NO	00:02:27	7194	M 2
	26.10	Tap Break-in Active, at 2 o'clock, 6", within 8 inch: NO	00:02:59	7195	
	28.40	Tap Break-in Active, at 10 o'clock, 6", within 8 inch: NO	00:03:25	7196	
	33.50	Water Mark, 30 %, within 8 inch: NO	00:03:52	7197	M 2
	50.40	Deposits Attached Encrustation, from 2 to 4 o'clock, 5 %, within 8 inch: YES	00:04:32	7198, b	M 2
	62.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:05:25	7200	
	64.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:51	7201	
	66.70	Water Level, 10 %, within 8 inch: NO	00:06:11	7202	M 2
	109.40	Water Level, 55 %, within 8 inch: NO	00:08:02	7203	M 2
	116.40	Joint Offset Large, within 8 inch: YES	00:08:36	7204, b	S 2
	116.60	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS OFFSET JOI	00:10:33	7206	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2100	2700	2	14	16	2	2	2



WinCan America, Inc.  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
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## Inspection report

Date: 20080919	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 646	PSR: 45285
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0220
City: LAK	Year Renewed:	End MH: 1922-0221
Location Code: Y Yard	Tape/Media #:	Total length surveyed: 346.56 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 350
Drain. Area: 0220/1922-0221/1922	Lining:
	Category:

Comment: None

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0221		589	
	0.00	Water Level, 5 % of cross sectional area	00:00:40	590	M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:45	591	M 2
	14.26	Crack Longitudinal, at 02 o'clock, within 8 inch: NO	00:01:25	592, b	S 2
	48.19	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:02:55	594	
	79.21	Roots Fine Joint, from 08 to 11 o'clock, within 8 inch: YES	00:04:21	595, b	
	95.98	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:16	597	
	97.48	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:05:57	598, b	S 3
	121.68	Broken, from 10 to 04 o'clock, within 8 inch: YES	00:07:44	600, b	S 5
	149.08	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:08:59	602	
	172.28	Crack Multiple, from 05 to 12 o'clock, within 8 inch: YES	00:10:14	603, b	S 3
	200.49	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:11:29	605	
	238.54	Crack Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:13:10	605, b	S 3
	251.39	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:14:03	608	
	268.92	Crack Multiple, from 05 to 09 o'clock, within 8 inch: YES	00:14:42	609, b	S 3
	304.80	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:16:29	611	
	346.56	Downstream Manhole, Survey Ends 1922-0220	00:18:25	612	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5134	2200	19	4	23	3.17	2	2.88





## Inspection report

Date: 03/14/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 754	PSR: 124308
Total Pipe Length: 356.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>NORWALK BV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2031-0326</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2030-0423</b>
Location Code: <b>Main Highway - Suburban/Rural</b>	Tape/Media #: <b>G312-027</b>	pipe length: <b>292.6 ft</b>

Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0326/2031-0423/2030</b>	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade		
		<b>2031-0326</b>					
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0326	00:01:00	6374			
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:28	6375	M 2		
	5.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:44	6376			
	38.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:54	6377			
	48.60 <b>S1</b>	Crack Multiple, from 7 to 6 o'clock, within 8 inch: NO, Start	00:03:59	6378, b	S 3		
	49.70	Brokers, from 3 to 6 o'clock, within 8 inch: YES	00:05:00	6380, b	S 4		
	49.70 <b>F1</b>	Crack Multiple, from 7 to 6 o'clock, within 8 inch: NO, End	00:05:23	6382	S 3		
	79.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:22	6383			
	129.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:49	6384			
	178.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:09:38	6385			
	208.00 <b>S2</b>	Deposits Attached Encrustation, from 2 to 10 o'clock, 10 %, within 8 inch: YES, Start	00:11:13	6386, b	M 2		
	206.00	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:11:37	6388, b	S 1		
	209.60	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:12:49	6390			
	209.90	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:13:16	6391, b	S 1		
	209.90 <b>S3</b>	Deposits Attached Grease, from 3 to 9 o'clock, 10 %, within 8 inch: NO, Start	00:13:40	6393, b	M 2		
	235.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:29	6397			
	250.90 <b>F2</b>	Deposits Attached Encrustation, from 2 to 10 o'clock, 10 %, within 8 inch: YES, End	00:16:23	6398	M 2		
	292.40 <b>F3</b>	Deposits Attached Grease, from 3 to 9 o'clock, 10 %, within 8 inch: NO, End	00:18:39	6399	M 2		
	292.60	Manhole, within 8 inch: NO, Remarks: 2030-0423	00:19:26	6400			
		<b>2030-0423</b>					
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2500	12	10	22	2.4	2	2.2



WinCan America, Inc.  
 1730 Montano Road NE, Suite E  
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## Inspection report

Date: 20080925	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 761	PSR: 45217
Total Pipe Length: 334	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/25/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ASHWORTH ST	Flow Control: N Not Controlled	Start MH: 1976-0084
City: LAK	Year Renewed:	End MH: 1976-0085
Location Code: F Sidewalk	Tape/Media #:	Total length surveyed: 335.52 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 334
Drain. Area: 0084/1976-0085/1976	Lining:
	Category:

Comment: None

Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0085		154	
	0.00	Water Level, 5 % of cross sectional area	00:00:33	155	M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:37	156	M 2
	50.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:23	157	
	106.72	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:03	158	
	114.15	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:04:50	159, b	S 5
	185.45	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:40	161	
	221.17	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:41	162	
	277.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: Roots	00:10:46	163	
	329.59	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:33	164	
	331.10	Crack Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:12:55	165, b	S 3
	335.52	Downstream Manhole, Survey Ends 1976-0084	00:14:54	167	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2200	8	4	12	4	2	3



## Inspection report

Date: 03/18/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1279	PSR: 117505
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 215TH ST	Flow Control: Not Controlled	Start MH: 2084-0041
City: LAK	Year Renewed:	End MH: 2084-0043
Location Code: Light Highway	Tape/Media #: M313-029	pipe length: 331 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0041/2084-0043/2084	Lining Method:
	Category:

Remark:

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2084-0041	00:00:31	8841	
	1.30	Hole Soil Visible, from 7 to 5 o'clock, within 8 inch: YES	00:01:02	8842, b	S 5
	1.30	Joint Offset Large, within 8 inch: YES	00:01:37	8846, b	S 2
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:18	8848	M 2
	27.20	Joint Offset Medium, within 8 inch: YES	00:03:13	8849, b	S 1
	27.20	Crack Circumferential, from 6 to 9 o'clock, within 8 inch: YES	00:03:35	8851, b	S 1
	29.10	Material Change, within 8 inch: NO, Remarks: PIPE CHANGES	00:04:23	8853, b	
	32.60	Water Level, 20 %, within 8 inch: NO	00:04:58	8855	M 2
	49.90	Material Change, within 8 inch: NO, Remarks: PIPE CHANGES TO CLAY	00:05:57	8856	
	51.30	Fracture Circumferential, from 5 to 6 o'clock, within 8 inch: YES	00:06:45	8857, b	S 2
	51.30	Crack Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:07:24	8859	S 1
	66.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:25	8860	
	77.90	Water Level, 25 %, within 8 inch: NO	00:09:11	8861	M 2
	82.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:45	8862	
	83.80	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:10:09	8863, b	S 2
	91.00	Water Level, 10 %, within 8 inch: NO	00:10:45	8865	M 2
	119.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:39	8866	
	131.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:18	8867	
	175.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:38	8868	
	181.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:05	8869	
	232.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:40	8870	
	241.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:21	8871	
	271.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:17:31	8872	
	305.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:05	8873	
	331.00	Manhole, within 8 inch: NO, Remarks: 2084-0043	00:20:08	8874	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5123	2400	14	8	22	2	2	2





## Inspection report

Date: <b>03/14/2008</b>	P.O.#: <b>Y0TV0708C</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1247</b>	PSR: <b>124109</b>
Total Pipe Length: <b>311.00</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>Lakewood</b>	Clean Date:	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2031-0153</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2031-0152</b>
Location Code: <b>Alley</b>	Tape/Media #: <b>M313-027</b>	pipe length: <b>334.7 ft</b>

Reason for inspection: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0152/2031-0153/2031</b>	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0153	00:00:28	8287	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:44	8288	M 1
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:15	8289	M 2
	53.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:02:59	8290	
	107.90	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:41	8291	
	128.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:37	8292, b	S 2
	128.10	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:06:06	8294, b	M 2
	170.90	Deposits Attached Encrustation, from 7 to 10 o'clock, 5 %, within 8 inch: YES	00:07:48	8296, b	M 2
	177.80	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:08:36	8298	
	179.90	Crack Circumferential, from 12 to 6 o'clock, within 8 inch: YES	00:09:15	8299, b	S 1
	217.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:10:58	8301	
	219.40	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:11:25	8302, b	M 2
	269.40	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:13:36	8304	
	271.10	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:14:04	8305, b	S 2
	271.10	Deposits Attached Encrustation, from 9 to 3 o'clock, 10 %, within 8 inch: YES	00:14:32	8307, b	M 2
	305.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:16:05	8309	
	328.70	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:17:10	8310, b	S 2
	331.70	Hole Soil Visible, from 10 to 1 o'clock, within 8 inch: YES	00:18:17	8312, b	S 5
	332.70	Deposits Attached Grease, from 11 to 1 o'clock, 5 %, within 8 inch: YES	00:18:53	8314	M 2
	334.70	Manhole, within 8 inch: NO, Remarks: 2031-0152	00:19:27	8315	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5123	2611	12	13	25	2.4	1.86	2.08





## Inspection report

Date: <b>03/17/2008</b>	P.O.#: <b>Y0TV0708C</b>	Weather: <b>Dry</b>	Surveyed By: <b>Martin Garcia</b>	section number: <b>1261</b>	PSR: <b>14506</b>
Total Pipe Length: <b>204.00</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>Lakewood</b>	Clean Date:	Pre-Cleaned: <b>Jetting</b>	Map Grid #:

Street: <b>209TH ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2030-0313</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2030-0304</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>M313-028</b>	pipe length: <b>181.6 ft</b>

Reason for inspection: <b>Maintenance Related</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0304/2030-0313/2030</b>	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	2030-0313				
	0.00	Manhole, within 8 inch: NO, Remarks: 2030-0313	00:00:24	8568	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:38	8569	M 1
	5.00	Water Level, 25 %, within 8 inch: NO	00:01:54	8570	M 2
	8.60	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:02:16	8571, b	S 2
	11.40	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: NO	00:02:59	8573	S 1
	17.70	Water Level, 10 %, within 8 inch: NO	00:03:42	8574	M 2
	17.70	Crack Circumferential, from 11 to 4 o'clock, within 8 inch: YES	00:04:01	8575, b	S 1
	20.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:04:49	8577, b	S 1
	20.90	Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:05:14	8579, b	S 2
	20.90	Hole Void Visible, from 7 to 8 o'clock, within 8 inch: YES	00:05:39	8581, b	S 5
	97.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:32	8583	
	181.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:33	8584	
	181.60	Vermin Cockroach, within 8 inch: NO	00:11:25	8585	M 1
	181.60	Manhole, within 8 inch: NO, Remarks: 2030-0304	00:11:45	8586	
	2030-0304				

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2212	12	6	18	2	1.5	1.8



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

## Inspection report

Date: 20080923	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 752	PSR: 45172
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/23/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0141
City: LAK	Year Renewed:	End MH: 1976-0142
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 350 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 350
Drain. Area: 0141/1976-0142/1976	Lining:
	Category:

Comment: None  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0142		5	
	0.30	Water Level, 5 % of cross sectional area	00:00:41	6	M 2
	0.30	Water Mark, 5 % of cross sectional area	00:00:43	7	M 2
	43.87	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO	00:02:25	8	
	94.27	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO	00:04:45	9	
	94.27	Broken Soil Visible, from 12 to 12 o'clock, within 8 inch; YES	00:04:48	10, b	S 5
	144.47	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO	00:07:16	12	
	194.75	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO	00:09:08	13	
	246.37	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO	00:12:03	14	
	293.25	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO, Remark: debris	00:13:48	15	
	346.06	Crack Longitudinal, at 10 o'clock, within 8 inch; YES	00:16:33	16, b	S 2
	346.06	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch; NO, Remark: Roots	00:22:17	18	
	350.00	Downstream Manhole, Survey Ends 1976-0141			

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



## Inspection report

Date: 03/12/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 718	PSR: 117616
Total Pipe Length: 172.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>RENVILLE ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2083-0023</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2083-0024</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-025</b>	pipe length: <b>169.8 ft</b>

Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0023/2083-0024/2083</b>	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2083-0023	00:00:44	5795	
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:33	5796	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:52	5797	M 2
	7.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:13	5798	
	51.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:31	5799	
	53.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:53	5800	
	96.10	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:31	5801, b	
	103.30	Crack Circumferential, from 12 to 4 o'clock, within 8 inch: YES	00:07:03	5803, b	S 1
	103.30	Roots Tap Joint, from 3 to 5 o'clock, 15 %, within 8 inch: YES	00:07:35	5805, b	
	103.30	Joint Offset Medium, within 8 inch: YES	00:07:55	5807, b	S 1
	104.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:45	5809	
	106.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:11	5810	
	106.60	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:09:31	5811, b	M 1
	152.50	Joint Offset Medium, within 8 inch: YES	00:12:28	5813, b	S 1
	156.10	Joint Offset Medium, within 8 inch: YES	00:13:17	5815, b	S 1
	157.10	Water Level Sag, 25 %, within 8 inch: NO, Start	00:13:48	5817, b	M 2
	164.70	Intruding Sealing Other, from 12 to 6 o'clock, 5 %, within 8 inch: YES	00:14:54	5819, b	M 2
	165.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:15:28	5821	
	165.90	Water Level Sag, 25 %, within 8 inch: NO, End	00:15:48	5822	M 2
	165.90	Water Level, 10 %, within 8 inch: NO	00:16:08	5823	M 2
	166.10	Broken, from 4 to 7 o'clock, within 8 inch: YES	00:16:40	5824, b	S 4
	166.70	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: NO	00:17:21	5826, b	M 2
	169.80	Manhole, within 8 inch: NO, Remarks: 2083-0024	00:18:25	5828	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4114	2611	8	13	21	1.6	1.86	1.75





## Inspection report

Date: 03/10/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1187	PSR: 124182
Total Pipe Length: 340.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 215TH ST	Flow Control: Not Controlled	Start MH: 2031-0133
City: LAK	Year Renewed:	End MH: 2031-0098
Location Code: Light Highway	Tape/Media #: M313-023	pipe length: 139.7 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0098/2031-0133/2031	Lining Method:
	Category:

Remark::

1:350	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0133	00:00:37	6968	
	6.90	Water Level, 15 %, within 8 inch: NO	00:00:57	6969	M 2
	11.90	Deposits Attached Encrustation, from 7 to 5 o'clock, 15 %, within 8 inch: YES	00:01:18	6970, b	M 3
	18.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:02:06	6972	
	19.40	Deposits Attached Encrustation, from 7 to 5 o'clock, 20 %, within 8 inch: YES	00:03:26	6973, b	M 3
	31.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:24	6975	
	37.50	Deposits Attached Encrustation, from 7 to 5 o'clock, 25 %, within 8 inch: YES	00:03:52	6976, b	M 4
	49.00	Deposits Attached Encrustation, from 8 to 4 o'clock, 20 %, within 8 inch: YES	00:04:41	6978, b	M 3
	53.80	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:05:30	6980, b	S 1
	54.60	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:07:10	6982	M 2
	54.60	Hole Soil Visible, at 9 o'clock, within 8 inch: NO, Remarks: IN LATERAL	00:07:37	6983	S 6
	55.80	Deposits Attached Encrustation, from 7 to 5 o'clock, 10 %, within 8 inch: YES	00:07:59	6984, b	M 2
	65.90	Deposits Attached Encrustation, from 7 to 5 o'clock, 25 %, within 8 inch: YES	00:09:55	6986, b	M 4
	66.00	Infil Diaper, at 12 o'clock, within 8 inch: YES	00:09:35	6988, b	M 3
	71.60	Deposits Attached Encrustation, from 1 to 5 o'clock, 10 %, within 8 inch: YES	00:10:12	6990	M 2
	83.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:15	6991	
	99.90	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:12:29	6992, b	M 2
	115.40	Deposits Attached Encrustation, from 1 to 4 o'clock, 15 %, within 8 inch: YES	00:13:28	6994, b	M 3
	132.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:31	6995	
	133.50	Deposits Attached Encrustation, from 8 to 2 o'clock, 10 %, within 8 inch: YES	00:14:54	6997, b	M 2
	139.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:42	6999	
	139.70	Deposits Attached Encrustation, from 7 to 11 o'clock, 35 %, within 8 inch: NO	00:16:08	7000, b	M 5
	139.70	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO GET PASSED CALC	00:16:55	7002	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	5142	6	40	46	3	2.86	2.88





## Inspection report

Date: 03/10/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1188	PSR: 124182
Total Pipe Length: 340.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 215TH ST	Flow Control: Not Controlled	Start MH: 2031-0098
City: LAK	Year Renewed:	End MH: 2031-0133
Location Code: Light Highway	Tape/Media #: M313-023	pipe length: 210.9 ft
Reason for inspection: Maintenance Related	Die/Height: Circular 8"	Material: Vitrified Clay Pipe Pipe Length:
Use of Sewer: Sanitary	Lining Method:	
Drain. Area: 0098/2031-0133/2031	Category:	

Remark::

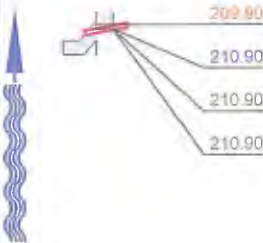
1:495	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0098	00:00:27	7003	
	8.20	Water Level, 10 %, within 8 inch: NO	00:09:01	7004	M 2
	19.90	Deposits Attached Encrustation, from 10 to 4 o'clock, 15 %, within 8 inch: YES	00:09:35	7005, b	M 3
	30.80	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:10:35	7007, b	M 2
	35.30	Deposits Attached Encrustation, from 1 to 4 o'clock, 10 %, within 8 inch: YES	00:11:32	7009, b	M 2
	51.90	Deposits Attached Encrustation, from 11 to 4 o'clock, 10 %, within 8 inch: YES	00:12:44	7011, b	M 2
	57.70	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:13:54	7013	M 2
	57.70	Deposits Attached Encrustation, from 1 to 5 o'clock, 80 %, within 8 inch: NO, Remarks: IN LATERAL	00:14:43	7014, b	M 5
	59.00	Infl Dripper, at 4 o'clock, within 8 inch: NO	00:15:17	7016, b	M 3
	65.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:31	7018	
	71.70	Deposits Attached Encrustation, from 12 to 3 o'clock, 10 %, within 8 inch: YES	00:17:05	7019, b	M 2
	108.10	Deposits Attached Encrustation, from 8 to 4 o'clock, 15 %, within 8 inch: YES	00:18:48	7021, b	M 3
	113.70	Deposits Attached Encrustation, from 8 to 4 o'clock, 20 %, within 8 inch: YES	00:19:53	7023, b	M 3
	114.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:20:12	7025	
	123.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:21:01	7026	
	123.00	Deposits Attached Encrustation, from 2 to 4 o'clock, 20 %, within 8 inch: NO, Remarks: IN LATERAL	00:21:39	7027, b	M 3
	149.60	Deposits Attached Encrustation, from 8 to 4 o'clock, 15 %, within 8 inch: YES	00:23:03	7029, b	M 3
	149.60	Infl Dripper, at 4 o'clock, within 8 inch: YES	00:23:24	7031, b	M 3
	150.20	Deposits Attached Encrustation, from 8 to 4 o'clock, 20 %, within 8 inch: YES	00:24:25	7033, b	M 3
	167.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:25:12	7035	
	184.30	Deposits Attached Encrustation, from 7 to 11 o'clock, 10 %, within 8 inch: YES	00:26:02	7036, b	M 2
	189.00	Deposits Attached Encrustation, from 12 to 4 o'clock, 10 %, within 8 inch: YES	00:26:49	7038, b	M 2
	204.70	Deposits Attached Encrustation, from 8 to 4 o'clock, 10 %, within 8 inch: YES	00:27:58	7040, b	M 2



## Inspection report

Date: 03/10/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1188	PSR: 124182
Total Pipe Length: 340.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

1:495	position	observation	MPEG	photo	grade
	209.90	Deposits Attached Encrustation, from 8 to 4 o'clock, 15 %, within 8 inch: YES	00:28:55	7042 b	M 3
	210.90	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:29:50	7044	M 2
	210.90	Deposits Attached Encrustation, from 2 to 4 o'clock, 60 %, within 8 inch: NO, Remarks: IN LATERAL	00:30:34	7045, b	M 5
	210.90	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS CALCIUM-P	00:31:17	7047	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	5239	0	57	57	0	2.71	2.71



## Inspection report

Date: 03/26/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 857	PSR: 672970
Total Pipe Length: 50.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: ELAINE AV	Flow Control: Not Controlled	Start MH: 2031-0311
City: LAK	Year Renewed:	End MH: 2031-0312
Location Code: Light Highway	Tape/Media #: G312-034	pipe length: 19.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0311/2031-0312/2031	Lining Method:
	Category:

Remark:

1:50	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0311	00:00:41	8167	
	1.00	Joint Offset Medium, within 8 inch: YES	00:01:12	8168, b	S 1
	1.00	Holes, from 8 to 9 o'clock, within 8 inch: YES	00:01:40	8170, b	S 4
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:33	8172	M 2
	18.80	Obstacle Construction Debris, from 3 to 7 o'clock, 10 %, within 8 inch: NO, Remarks: cement	00:03:28	8173, b	M 2
	19.50	Manhole, within 8 inch: NO, Remarks: 2031-0312	00:04:20	8175	

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



## Inspection report

Date: 03/04/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 656	PSR: 14480
Total Pipe Length: 224.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>ALLEY</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2030-0276</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2030-0277</b>
Location Code: <b>Alley</b>	Tape/Media #: <b>G312-020</b>	pipe length: <b>245.2 ft</b>

Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0276/2030-0277/2030</b>	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	2030-0276				
	0.00	Manhole, within 8 inch: NO, Remarks: 2030-0276	00:00:46	4586	
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:22	4587	
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:52	4588	M 2
	24.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:45	4589	
	51.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:04	4590	
	63.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:30	4591	
	102.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:59	4592	
	105.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:53	4593	
	138.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:13	4594	
	144.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:52	4595	
	181.30	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:11:27	4596	
	183.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:55	4597	
	186.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:12:27	4598	
	198.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:11	4599	
	225.20	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO, Remarks: Hole in lateral	00:15:00	4600, b	M 2
	225.20	Hole Soil Visible, from 3 to 4 o'clock, within 8 inch: NO	00:16:27	4602, b	S 5
	245.20	Manhole, within 8 inch: NO, Remarks: 2030-0277	00:18:08	4604	
	2030-0277				

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





## Inspection report

Date: 03/04/2008	P.O.#: Y0TV0708C	Weather: Dry	Surveyed By: Martin Garcia	section number: 1148	PSR: 124093
Total Pipe Length: 176.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 215TH ST	Flow Control: Not Controlled	Start MH: 2031-0215
City: LAK	Year Renewed:	End MH: 2031-0136
Location Code: Light Highway	Tape/Media #: M313-020	pipe length: 175 ft

Reason for inspection: Maintenance Related	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0136/2031-0215/2031	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0215	00.00.28	5989	
	0.00	Hole Soil Visible, from 3 to 9 o'clock, within 8 inch: NO, Remarks: IN CHANNEL	00.01.04	5990, b	S 5
	5.00	Water Level, 10 %, within 8 inch: NO	00.01.54	5992	M 2
	5.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00.02.23	5993	
	58.50	Deposits Attached Encrustation, from 7 to 5 o'clock, 5 %, within 8 inch: YES	00.04.06	5994, b	M 2
	69.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00.05.02	5996	
	76.20	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: YES	00.05.52	5997, b	M 2
	81.40	Deposits Attached Encrustation, from 1 to 9 o'clock, 10 %, within 8 inch: YES	00.06.48	5999, b	M 2
	96.90	Deposits Attached Encrustation, from 7 to 5 o'clock, 10 %, within 8 inch: YES	00.07.45	6001, b	M 2
	122.60	Deposits Attached Encrustation, from 7 to 11 o'clock, 5 %, within 8 inch: YES	00.09.12	6003, b	M 2
	125.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00.09.53	6005	
	133.20	Deposits Attached Encrustation, from 7 to 5 o'clock, 15 %, within 8 inch: YES	00.10.22	6006, o	M 3
	134.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00.11.01	6008	
	141.10	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 %, within 8 inch: YES	00.11.35	6009, b	M 2
	157.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00.12.42	6011	
	168.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00.13.24	6012	
	175.00	Manhole, within 8 inch: NO, Remarks: 2031-0136	00.14.00	6013	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3127	5	17	22	5	2.13	2.44



## Inspection report

Date: 03/17/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 124	PSR: 117571
Total Pipe Length: 259.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: WILDER AV	Flow Control: Not Controlled	Start MH: 2083-0105
City: LAK	Year Renewed:	End MH: 2083-0106
Location Code: Light Highway	Tape/Media #: R311-010	pipe length: 250 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0105/2083-0106/2083	Lining Method:
	Category:

Remark::

1:625	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2083-0105	00:00:34	2295	
	9.90	Water Level, 10 %, within 8 inch: NO	00:01:17	2296	M 2
	30.20	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 5'	00:02:13	2297	
	43.80	Hole, at 10 o'clock, within 8 inch: NO	00:03:01	2298, b	S 6
	51.00	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:03:57	2300, b	
	65.60	Roots Fine Joint, from 7 to 3 o'clock, within 8 inch: YES	00:05:09	2302, b	
	73.60	Tap Factory Active, at 8 o'clock, 6", within 8 inch: NO	00:05:50	2304	
	137.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:02	2305	
	202.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:15	2306	
	206.00	Water Level, 15 %, within 8 inch: NO	00:10:43	2307	M 2
	250.00	Manhole, within 8 inch: NO, Remarks: 2083-0106	00:12:43	2308	

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



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## Inspection report

Date: 20080912	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 581	PSR: 45261
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/12/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0309
City: LAK	Year Renewed:	End MH: 1922-0310
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 309.21 ft

Purpose: F Routine Assessment	Dis/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 312
Drain. Area: 0309/1922-0310/1922	Lining:
	Category:

Comment: MH# REVERSED ON MAP  
 Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0310		254	
	0.10	Water Level, 15 % of cross sectional area	00:00:33	255	
	0.10	Water Mark, 15 % of cross sectional area	00:00:36	256	M 2
	20.08	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:01:27	257	
	22.89	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:02:04	258	
	70.58	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:05:14	259	
	73.49	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:38	260	
	123.69	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:07:28	261	
	124.99	Broken, from 08 to 04 o'clock, within 8 inch: YES	00:08:39	262, b	S 5
	126.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:06	264	
	174.38	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:10:34	265	
	177.09	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:10:50	266	
	227.89	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:12:33	267	
	230.81	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:12:49	268	
	278.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:15:01	269	
	281.40	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:15:31	270	
	309.21	Upstream Manhole, Survey Ends 1922-0309	00:17:02	271	

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



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## Inspection report

Date: 20080919	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 651	PSR: 45207
Total Pipe Length: 132	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: <b>ASHWORTH ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1976-0073</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1976-0075</b>
Location Code: <b>Y Yard</b>	Tape/Media #:	Total length surveyed: <b>103.41 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8/8</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP Pipe Joint length: 132</b>
Drain. Area: <b>0073/1976-0075/1976</b>	Lining:
	Category:

Comment: **TVed upstream**  
 Location details:

1:275	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0073		536	
	0.00	Water Level, 5 % of cross sectional area	00:00:47	537	
	0.00	Water Mark, 10 of cross sectional area	00:00:52	538	M 2
	<b>67.77</b>	<b>Broken, from 10 to 02 o'clock, within 8 inch: YES</b>	<b>00:05:58</b>	<b>539, b</b>	<b>S 5</b>
	67.77	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:06:28	541, b	M 1
	70.28	Roots Fine Joint, from 08 to 03 o'clock, within 8 inch: YES	00:06:54	543, b	M 1
	88.45	Roots Fine Joint, from 03 to 11 o'clock, within 8 inch: YES	00:09:02	545, b	M 1
	97.18	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:09:33	547, b	M 1
	103.41	Upstream Manhole, Survey Ends 1976-0075	00:10:29	549	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2114	5	6	11	5	1.2	1.83





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## Inspection report

Date: 20080930	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 922	PSR: 45043
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/30/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0364
City: LAK	Year Renewed	End MH: 1976-0433
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 311.32 ft
Purpose: F Routine Assessment	Dia/Height: C Circular 8/8	
Use: SS Sanitary	Material: VCP Pipe Joint length: 312	
Drain. Area: 0364/1976-0433/1976	Lining:	
	Category:	

Comment: TVed upstream broken pipe by drop conn.

Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0433		156	
	4.62	Broken Vold Visible, from 12 to 12 o'clock, within 8 inch: YES	00:01:15	157, b	S 5
	4.62	Water Level, 30 % of cross sectional area	00:01:40	159	
	4.62	Water Mark, 50 % of cross sectional area	00:01:46	160	M 3
	23.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:15	161	
	26.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:27	162	
	77.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:05:04	163	
	79.61	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:21	164	
	123.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:26	165	
	126.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:38	166	
	173.58	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:27	167	
	176.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:50	168	
	223.28	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:33	169	
	225.38	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:53	170	
	273.07	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:16:24	171	
	275.28	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:37	172	
	311.32	Upstream Manhole, Survey Ends 1976-0364	00:18:11	173	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	3100	5	3	8	5	3	4



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## Inspection report

Date: <b>20081017</b>	P.O.#: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>A.OBRIEN</b>	section number: <b>1363</b>	PSR: <b>45030</b>
Total Pipe Length: <b>124</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>LAK</b>	Clean Date: <b>10/17/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1976</b>

Street: <b>ROCKET ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1976-0435</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1976-0436</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	Total length surveyed: <b>10.74 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 10/10</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP Pipe Joint length: 124</b>
Drain. Area: <b>0435/1976-0436/1976</b>	Lining:
	Category:

Comment: **CAMERA UNDER WATER DUE TO LIFT STATION**  
 Location details:

1:50	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0436		8	
	0.20	Water Level, 50 % of cross sectional area	00:00:43	9	
	0.20	Water Mark, 50 % of cross sectional area	00:00:46		M 3
	0.90	Broken, from 10 to 02 o'clock, within 8 inch: YES	00:01:31	10	S 5
	3.41	Camera Underwater	00:02:37	11	M 4
	10.74	Survey Abandoned, Remark: UNDERWATER DUE 2 LIFT STATIO	00:03:18	12	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	4131	5	7	12	5	3.5	4



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## Inspection report

Date: 20081103	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 1822	PSR: 44900
Total Pipe Length: 235	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 11/03/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0525
City: LAK	Year Renewed:	End MH: 1976-0526
Location Code: H Alley	Tape/Media #:	Total length surveyed: 232 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 235ft
Drain. Area: 0525/1976-0526/1976	Lining:
	Category:

Comment: Fractures,TVed upstream

Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0526 01:44pm	00:00:18	88	
	4.00	Water Level, 5 of cross sectional area	00:02:54	89	
	4.00	Water Mark, 10 % of cross sectional area	00:01:37	90	M 2
	6.80	Fracture Multiple, from 09 to 11 o'clock, within 8 inch: YES	00:02:00	91, b	S 4
	68.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:01	93	
	71.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:17	94	
	169.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:44	95	
	208.30	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:57	96, b	S 4
	219.30	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:09:35	98	
	221.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:49	99	
	224.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:05	100	
	225.30	Crack Multiple, from 08 to 04 o'clock within 8 inch: YES	00:11:39	101, b	S 3
	232.00	Upstream Manhole, Survey Ends 1976-0525	00:12:35	103	

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



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## Inspection report

Date: 20080915	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 627	PSR: 45294
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/15/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0247
City: LAK	Year Renewed	End MH: 1922-0316
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 317.95 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 319
Drain. Area: 0247/1922-0316/1922	Lining:
	Category:

Comment: MH# REVERSED ON MAP

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole. Survey Begins 1922-0316		95	
	0.00	Water Level, 5 % of cross sectional area	00:00:33	96	
	0.00	Water Mark, 10 % of cross sectional area	00:00:39	97	M 2
	17.67	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:01:26	98	
	20.28	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:01:42	99	
	71.08	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:04:01	100	
	73.69	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:04:21	101	
	124.49	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:06:23	102	
	127.20	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:06:38	103	
	148.88	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:08:11	104, b	S 2
	175.19	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:23	106	
	177.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:38	107	
	178.40	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:10:15	108, b	S 4
	227.99	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:12:05	110	
	230.50	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:12:22	111	
	280.70	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:14:41	112	
	283.51	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:14:57	113	
	309.82	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:16:09	114	
	312.43	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:16:25	115	
	313.43	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:16:56	116, b	S 4
	317.95	Upstream Manhole. Survey Ends 1922-0247	00:16:00	118	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4221	2100	10	2	12	3.33	2	3





## Inspection report

Date: 04/07/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 375	PSR: 124073
Total Pipe Length: 72.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: ROSETON AV	Flow Control: Not Controlled	Start MH: 2031-0112
City: LAK	Year Renewed:	End MH: 2031-0113
Location Code: Light Highway	Tape/Media #: G312-042	pipe length: 56.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0112/2031-0113/2031	Lining Method:
	Category:

Remark::

1:150	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0112	00:00:46	1498	
	0.00	Broken, from 3 to 5 o'clock, within 8 inch: NO	00:01:16	1499, b	S 4
	0.00	Broken, from 7 to 9 o'clock, within 8 inch: NO	00:01:43	1501, b	S 4
	5.00	Water Level, 10 %, within 8 inch: NO	00:02:33	1503	M 2
	35.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:52	1504	
	56.70	Manhole, within 8 inch: NO, Remarks: 2031-0113	00:05:12	1505	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	2100	8	2	10	4	2	3.33



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## Inspection report

Date: 20080924	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 771	PSR: 45180
Total Pipe Length: 320	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0148
City: LAK	Year Renewed:	End MH: 1976-0206
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 315.74 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 320
Drain. Area: 0148/1976-0206/1976	Lining:
	Category:

Comment: TVed upstream  
 Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0206		9	
	0.20	Water Level, 5 % of cross sectional area	00:01:08	10	
	0.20	Water Mark, 5 % of cross sectional area	00:01:11	11	M 2
	23.89	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:44	12	
	68.87	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:04:13	13, b	M 1
	73.79	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:43	15	
	95.07	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:05:32	16, b	M 1
	124.29	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: dirt exposed	00:07:19	18	
	174.28	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:15	19	
	224.58	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:11:09	20	
	261.12	Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:13:03	21, b	S 4
	274.98	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: Roots	00:14:12	23	
	311.62	Fracture Multiple, from 04 to 06 o'clock, within 8 inch: YES	00:15:25	25, b	S 4
	315.74	Upstream Manhole, Survey Ends 1976-0148	00:16:12	24	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	2112	8	4	12	4	1.33	2.4



## Inspection report

Date: 03/06/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 672	PSR: 14456
Total Pipe Length: 271.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 205TH ST	Flow Control: Not Controlled	Start MH: 2030-0255
City: LAK	Year Renewed:	End MH: 2030-0401
Location Code: Light Highway	Tape/Media #: G312-021	pipe length: 265.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0255/2030-0401/2030	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2030-0255	00:00:48	4850	
	5.00	Water Level, 10 %, within 8 inch: NO	00:01:15	4851	M 2
	15.10	Fracture Multiple, from 2 to 4 o'clock, within 8 inch: YES	00:02:14	4852, b	S 4
	18.10	Tap Factory Active, at 8 o'clock, 6", within 8 inch: NO	00:02:47	4854	
	61.20	Crack Multiple, from 9 to 5 o'clock, within 8 inch: YES	00:04:23	4855, b	S 3
	62.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:56	4857	
	71.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:31	4858	
	75.50	Crack Multiple, from 7 to 10 o'clock, within 8 inch: YES	00:05:47	4859, b	S 3
	88.00	Crack Multiple, from 3 to 10 o'clock, within 8 inch: YES	00:07:13	4861, b	S 3
	116.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:22	4863	
	122.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:50	4864	
	130.40	Crack Multiple, from 6 to 12 o'clock, within 8 inch: YES, Start	00:09:44	4865, b	S 3
	148.50	Crack Multiple, from 6 to 12 o'clock, within 8 inch: YES, End	00:10:43	4867	S 3
	171.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:35	4868	
	217.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:59	4869	
	234.50	Crack Multiple, from 6 to 10 o'clock, within 8 inch: YES, Start	00:13:54	4870, b	S 3
	234.60	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES, Start	00:14:16	4873, b	
	234.60	Crack Circumferential, from 12 to 2 o'clock, within 8 inch: YES	00:15:06	4875, b	S 1
	255.90	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES, End	00:16:11	4877	
	251.70	Crack Multiple, from 6 to 10 o'clock, within 8 inch: YES, End	00:16:53	4878	S 3
	265.50	Manhole, within 8 inch: NO, Remarks: 2030-0401	00:17:35	4879	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4137	2100	26	2	28	2.89	2	2.8





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## Inspection report

Date: 20080917	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 647	PSR: 45295
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0248
City: LAK	Year Renewed:	End MH: 1922-0324
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 319.65 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 319
Drain. Area: 0248/1922-0324/1922	Lining:
	Category:

Comment: None  
 Location details:

1:620	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0248		118	
	5.32	Water Level, 0 % of cross sectional area	00:01:13	119	
	5.52	Water Mark, 5 of cross sectional area	00:01:21	120	M 2
	5.62	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:01:52	121	
	8.23	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:02:13	122	
	35.74	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:03:14	123	
	37.35	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:03:31	124	
	59.83	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:04:30	125, b	S 4
	62.85	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:05:31	127, b	S 3
	68.96	Crack Multiple, from 09 to 10 o'clock, within 8 inch: YES	00:06:02	129, b	S 3
	87.54	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:05:57	131	
	89.95	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:07:31	132, b	S 2
	90.15	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:07:56	134	
	140.95	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:31	135	
	143.46	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:51	136	
	157.52	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:10:44	137, b	S 2
	178.80	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:11:47	139, b	S 3
	193.55	Crack Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:13:07	141, b	S 3
	194.56	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:13:28	143	
	197.17	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:13:45	144	
	198.68	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:14:19	145, b	S 3
	229.10	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:16:11	147, b	S 3
	232.91	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:16:59	149, b	S 2
	244.76	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:17:41	151	
	247.47	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:17:56	152	



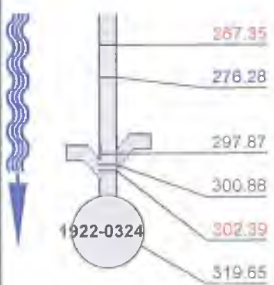


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## Inspection report

Date: 20080917	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 647	PSR: 45295
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:520	position	observation	MPEG	photo	grade
	267.35	Crack Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:19:09	153, b	5 3
	276.28	Crack Longitudinal, at 10 o'clock, within 8 inch: NO	00:19:43	155, b	5 2
	297.87	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:20:51	157	
	300.88	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:21:12	158	
	302.39	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:21:42	159, b	5 3
	319.65	Downstream Manhole, Survey Ends 1922-0324	00:22:48	161	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4138	2100	36	2	38	2.77	2	2.71



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## Inspection report

Date: 20080923	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 747	PSR: 45279
Total Pipe Length: 349	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/22/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0215
City: LAK	Year Renewed:	End MH: 1922-0216
Location Code: Y Yard	Tape/Media #:	Total length surveyed: 349.07 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 349
Drain. Area: 0215/1922-0216/1922	Lining: Category:

Comment: TVed upstream  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0215		1	
	0.00	Water Level, 0 % of cross sectional area		61	
	0.00	Water Mark, 0 % of cross sectional area	00:00:07	62	M 2
	5.52	Roots Medium Joint, from 03 to 09 o'clock, 5 % within 8 inch: YES	00:02:29	63, b	M 3
	5.52	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:50	65, b	S 4
	6.32	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:28	67	
	39.05	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:04:44	68	
	52.31	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:05:23	69, b	M 1
	62.44	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:05:56	71, b	M 1
	83.03	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:06:55	73, b	S 3
	88.65	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:07:40	75, b	S 3
	90.05	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:08:04	77	
	140.65	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:59	78	
	142.96	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:10:18	79, b	S 3
	154.41	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:11:10	81, b	S 3
	191.75	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:12:42	83	
	243.75	Roots Medium Joint, from 10 to 12 o'clock, 10 % within 8 inch: YES	00:14:41	84, b	M 3
	244.16	Crack Multiple, from 05 to 11 o'clock, within 8 inch: YES	00:15:15	86, b	S 3
	296.16	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:17:09	88	
	342.84	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:19:07	89, b	S 3
	348.96	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:19:41	91	
	349.07	Downstream Manhole, Survey Ends 1922-0216	00:20:07	92	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	3221	22	10	32	3.14	2	2.67



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## Inspection report

Date: 20080918	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 662	PSR: 45150
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0115
City: LAK	Year Renewed:	End MH: 1976-0116
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 304.69 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 308
Drain. Area: 0115/1976-0116/1976	Lining:
	Category:

Comment: None  
 Location details:

1:713	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0116		285	
	0.00	Water Level, 5 % of cross sectional area	00:01:36	286	M 2
	0.00	Water Mark, 10 % of cross sectional area	00:01:41	287	M 2
	22.19	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:03:00	288	
	26.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:03:17	289	
	70.28	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:04:54	290	
	73.09	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:05:17	291, b	S 2
	73.59	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:36	293	
	78.41	Fracture Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:06:04	294, b	S 4
	97.98	Crack Spiral, from 10 to 12 o'clock, within 8 inch: YES	00:07:26	296, b	S 2
	117.56	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:08:32	298, b	S 2
	126.90	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:04	300	
	131.01	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:20	301	
	181.83	Crack Spiral, from 07 to 10 o'clock, within 8 inch: YES	00:10:30	302, b	S 2
	189.45	Crack Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:11:21	304, b	S 3
	171.27	Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:11:59	305, b	S 3
	173.18	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:12:50	308, b	S 3
	175.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:13:18	310	
	176.69	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:13:37	311	
	206.81	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:14:36	312, b	S 2
	222.37	Crack Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:15:17	314, b	S 3
	230.91	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:15:49	316	
	234.92	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:16:06	317	
	239.04	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:16:32	318, b	S 2
	281.91	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: BROKEN TAP	00:17:58	320	



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## Inspection report

Date: 20080918	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 662	PSR: 45150
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:713	position	observation	MPEG	photo	grade
	281.91	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: BROKEN TAP	00:17:58	320	
	284.62	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:18:16	321	
	297.87	Crack Multiple, from 06 to 10 o'clock, within 8 inch: YES	00:18:50	322. b	5.3
	304.89	Downstream Manhole, Survey Ends 1976-0115	00:19:55	324	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4135	2200	31	4	35	2.58	2	2.5





## Inspection report

Date: 04/07/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 376	PSR: 124168
Total Pipe Length: 52.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>CENTRALIA AV</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2031-0090</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2031-TRNK</b>
Location Code: <b>Main Highway - Suburban/Rural</b>	Tape/Media #: <b>G312-042</b>	pipe length: <b>104.8 ft</b>
Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Use of Sewer: <b>Sanitary</b>	Lining Method:	
Drain. Area: <b>0090/2031-TRNK/2031</b>	Category:	

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0090	00:00:40	1506	
	5.00	Water Level, 10 %, within 8 inch: NO, Remarks: water being pumped by pump	00:01:13	1507	M 2
	78.20 S1	Deposits Attached Encrustation, at 10 o'clock, 10 %, within 8 inch: YES, Start	00:03:18	1508, b	M 2
	78.20	Infil Weeper, from 10 to 12 o'clock, within 8 inch: NO	00:03:43	1510, b	M 2
	69.00	Infil Runner, at 10 o'clock, within 8 inch: YES	00:04:58	1512, b	M 4
	93.90	Repair Patch, from 9 to 3 o'clock, within 8 inch: NO, Remarks: patch repair	00:07:54	1514, b	
	93.80	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:08:18	1516, b	S 3
	93.90	Crack Multiple, from 3 to 9 o'clock, within 8 inch: YES	00:08:53	1518, b	S 3
	93.90	Fracture Longitudinal, at 4 o'clock, within 8 inch: YES	00:09:21	1520, b	S 3
	93.90	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:09:55	1522, b	S 2
	94.10	Joint Offset Medium, within 8 inch: YES	00:11:19	1524, b	S 1
	94.60	Crack Circumferential, from 12 to 2 o'clock, within 8 inch: YES	00:13:14	1526, b	S 1
	95.60	Hole, from 12 to 2 o'clock, within 8 inch: NO	00:12:18	1528, b	S 4
	99.70 F1	Deposits Attached Encrustation, at 10 o'clock, 10 %, within 8 inch: YES, End	00:14:02	1530	M 2
	99.70	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:15:19	1531, b	S 2
	99.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:15:43	1533, b	S 1
	103.80	Fracture Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:16:49	1535, b	S 2
	104.80	Manhole, within 8 inch: NO, Remarks: 2031-TRNK	00:18:11	1537	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	4124	22	12	34	2.2	2.4	2.27



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## Inspection report

Date: 20081112	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 2114	PSR: 45321
Total Pipe Length: 183	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 11/12/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0260
City: LAK	Year Renewed:	End MH: 1922-0261
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 181.95 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 3ft
Drain. Area: 0260/1922-0261/1922	Lining:
	Category:

Comment: TVed upstream,Cracks,Roots  
 Location details:

1:434	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0260 10:28am	00:00:16	116	
	0.00	Water Level, 2 % of cross sectional area	00:00:37	117	
	0.00	Water Mark, 5 % of cross sectional area	00:00:43	118	M 2
	7.83	Crack Spiral, from 08 to 11 o'clock, within 8 inch: YES	00:01:31	119, b	S 2
	13.85	Crack Spiral, from 01 to 03 o'clock, within 8 inch: YES	00:02:46	121, b	S 2
	25.79	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:36	123, b	S 2
	39.64	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:20	125	
	40.45	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:04:38	126, b	S 3
	42.45	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES, Remark: Roots,Cut	00:05:05	128	
	42.45	Roots Ball Lateral, at 02 o'clock, 98 % within 8 inch: YES, Remark: Root-Cut	00:05:14	129, b	M 4
	69.95	Crack Longitudinal, at 03 o'clock, within 8 inch: YES, Remark: roots	00:08:34	131, b	S 2
	69.95	Roots Fine Joint, from 02 to 05 o'clock, within 8 inch: YES	00:06:54	133, b	M 1
	79.39	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES	00:07:34	135, b	M 1
	79.39	Crack Multiple, from 06 to 04 o'clock, within 8 inch: YES	00:07:50	137, b	S 3
	88.22	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES, Remark: roots	00:08:34	139, b	S 3
	93.34	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES, Remark: roots	00:09:08	141	
	93.34	Roots Ball Lateral, at 10 o'clock, 99 % within 8 inch: YES, Remark: Root-Cut	00:10:48	142, b	M 4
	95.84	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:47	144	
	95.84	Roots Medium Lateral, at 02 o'clock, 25 % within 8 inch: YES	00:09:53	145, b	M 3
	146.43	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:32	147	
	146.43	Broken, from 10 to 11 o'clock, within 8 inch: YES	00:12:38	148, b	S 4
	148.94	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:13:10	150	
	174.13	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:13:52	151	
	175.74	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:14:09	152	



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## Inspection report

Date: 20081112	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 2114	PSR: 45321
Total Pipe Length: 183	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 11/12/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1922

1:434	position	observation	MPEG	photo	grade
	181.95	Tap Break-In Active, at 09 o'clock, 6", within 8 inch: NO, Remark: At MH	00:15:15	153	
	181.95	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: NO, Remark: At MH	00:15:24	154	
	181.95	Upstream Manhole, Survey Ends 1922-0261	00:15:46	155	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	4231	21	15	36	2.63	2.5	2.57





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## Inspection report

Date: 20080917	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 658	PSR: 45146
Total Pipe Length: 322	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0112
City: LAK	Year Renewed:	End MH: 1976-0113
Location Code: Y Yard	Tape/Media #:	Total length surveyed: 302.39 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 322
Drain. Area: 0112/1976-0113/1976	Lining:
	Category:

Comment: None  
 Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0112		72	
	0.00	Water Level, 5 % of cross sectional area	00:00:36	73	
	0.00	Water Mark, 10 % of cross sectional area	00:00:41	74	M 2
	3.71	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:00:58	75	
	23.39	Crack Multiple, from 05 to 10 o'clock, within 8 inch: YES	00:01:59	76, b	S 3
	35.34	Crack Spiral, from 09 to 12 o'clock, within 8 inch: YES	00:02:49	78, b	S 2
	46.86	Roots Fine Joint, from 01 to 03 o'clock, within 8 inch: YES	00:03:35	80, b	M 1
	53.11	Roots Fine Joint, from 12 to 04 o'clock, within 8 inch: YES	00:04:28	82, b	M 1
	56.62	Roots Fine Joint, from 07 to 10 o'clock, within 8 inch: YES	00:05:10	84, b	M 1
	56.72	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:32	86, b	S 4
	57.53	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:06:07	88	
	107.62	Crack Spiral, from 01 to 04 o'clock, within 8 inch: YES	00:07:47	89, b	S 2
	108.83	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:08:07	91	
	116.56	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:08:35	92, b	S 2
	131.72	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:09:34	94, b	S 2
	159.83	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:10:40	96	
	213.04	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:12:56	97, b	S 3
	214.04	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:13:25	99	
	246.97	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:14:54	100	
	300.68	Drop Connection	00:16:39	101	
	302.39	Downstream Manhole, Survey Ends 1976-0113	00:17:05	102	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2113	18	5	23	2.57	1.25	2.09





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## Inspection report

Date: 20080918	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 663	PSR: 45151
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0116
City: LAK	Year Renewed:	End MH: 1976-0117
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 319.75 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 308
Drain. Area: 0116/1976-0117/1976	Lining:
	Category:

Comment: TVed upstream  
 Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0116			377
	0.00	Water Level, 10 % of cross sectional area	00:00:50	378	
	0.00	Water Mark, 20 % of cross sectional area	00:00:55	379	M 2
	29.62	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:02:03	380	
	33.53	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: dirt exposed.	00:02:27	381	
	45.58	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:41	382, b	S 1
	78.01	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:05:20	384	
	81.32	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:36	385	
	132.02	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:07:19	386	
	134.43	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:07:35	387	
	171.97	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:08:51	388, b	S 2
	179.30	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:09:26	390	
	180.51	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:43	391	
	194.65	Fracture Multiple, from 04 to 05 o'clock, within 8 inch: YES	00:10:35	392, b	S 4
	230.00	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:12:09	394	
	232.41	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:12:27	395	
	285.52	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:14:15	396, b	
	289.84	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:14:51	398	
	301.18	Roots Fine Joint, from 10 to 04 o'clock, within 8 inch: YES	00:15:39	399, b	M 1
	314.73	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:16:30	401	
	316.94	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:16:45	402	
	317.75	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:17:10	403, b	S 2
	319.75	Upstream Manhole, Survey Ends 1976-0117	00:18:02	405	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2111	12	3	15	3	1.5	2.5



## Inspection report

Date: 03/13/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 732	PSR: 123994
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: ALLEY	Flow Control: Not Controlled	Start MH: 2031-0277
City: LAK	Year Renewed:	End MH: 2031-0311
Location Code: ALLEY	Tape/Media #: G312-026	pipe length: 328.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0277/2031-0311/2031	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2031-0277	00:00:38	6110	
	1.00	Crack Circumferential, from 7 to 6 o'clock, within 8 inch: NO	00:01:25	6111, b	S 1
	5.00	Water Level, 5 %, within 8 inch: NO	00:02:10	6113	M 2
	21.90 S1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:24	6114, b	S 3
	21.90	Deformed, 10 %, within 8 inch: NO	00:03:48	6116, b	S 4
	24.00	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:04:26	6118	
	24.10 F1	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES, End	00:04:48	6119	S 3
	75.20	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:05:19	6120	
	114.60	Tap Factory Active, at 12 o'clock, 6", within 8 inch: NO	00:07:36	6121	
	128.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:13	6122	
	171.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:41	6123	
	180.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:20	6124	
	225.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:11:31	6125	
	228.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:11:53	6126	
	252.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:46	6127	
	255.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:07	6128	
	318.00	Joint Offset Large, within 8 inch: YES	00:15:42	6129, b	S 2
	318.10	Material Change, within 8 inch: NO, Remarks: CAS	00:16:55	6131	
	328.40	Joint Offset Large, within 8 inch: YES	00:18:01	6132, b	S 2
	328.60	Material Change, within 8 inch: NO, Remarks: VCP	00:18:33	6134	
	328.60	Abandoned Survey, within 8 inch: NO, Remarks: Camera blocked by large o	00:19:28	6135	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	15	2	17	2.5	2	2.43



## Inspection report

Date: 03/26/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 856	PSR: 123994
Total Pipe Length: 325.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: ALLEY	Flow Control: Not Controlled	Start MH: 2031-0311
City: LAK	Year Renewed:	End MH: 2031-0277
Location Code: Alley	Tape/Media #: G312-034	pipe length: 0 ft
Reason for inspection: Routine Assessment	Dia/Height: Circular 8"	Material: Vitrified Clay Pipe Pipe Length:
Use of Sewer: Sanitary	Lining Method:	
Drain. Area: 0277/2031-0311/2031	Category:	

Remark::

1:25	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch. NO, Remarks: 2031-0311	00:00:36	8164	
	0.00	Abandoned Survey, within 8 inch. NO, Remarks: camera doesn't fit due to	00:02:03	8165	
	0.00	Joint Offset Large, within 8 inch. YES	00:02:21	8166	\$ 2

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2100	0000	2	0	2	2	0	2



## Inspection report

Date: 03/07/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 676	PSR: 124287
Total Pipe Length: 247.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: DELVIN AV	Flow Control: Not Controlled	Start MH: 2030-0401
City: LAK	Year Renewed:	End MH: 2030-0402
Location Code: Light Highway	Tape/Media #: G312-022	pipe length: 218.9 ft
Reason for inspection: Routine Assessment	Dia/Height: Circular 8"	Material: Vitrified Clay Pipe
Use of Sewer: Sanitary	Lining Method:	Pipe Length:
Drain. Area: 0401/2030-0402/2030	Category:	

Remark::

1:462	position	observation	MPEG	photo	grade
	0.00	Manhola, within 8 inch: NO, Remarks: 2030-0401	00:00:40	4958	
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:09	4959	M 2
	15.00	Crack Circumferential, from 9 to 10 o'clock, within 8 inch: YES	00:01:55	4960, b	S 1
	15.00	Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES	00:02:20	4962, b	S 1
	16.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:03	4964	
	26.90	Roots Fine Joint, from 4 to 10 o'clock, within 8 inch: YES	00:03:41	4965, b	
	46.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:43	4967	
	71.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:42	4968	
	81.80	Crack Circumferential, from 7 to 10 o'clock, within 8 inch: YES	00:06:21	4969, b	S 1
	81.80 S1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:06:56	4971, b	
	94.30	Crack Circumferential, from 6 to 10 o'clock, within 8 inch: YES	00:08:17	4973, b	S 1
	94.30	Crack Circumferential, from 6 to 8 o'clock, within 8 inch: YES	00:08:41	4975, b	S 1
	102.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:36	4977	
	111.90 F1	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:05	4978	
	127.80	Fracture Multiple, from 9 to 5 o'clock, within 8 inch: YES	00:11:22	4979, b	S 4
	127.80	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:11:44	4981, b	
	129.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:26	4983	
	135.50	Roots Fine Joint, from 1 to 5 o'clock, within 8 inch: YES	00:12:59	4984, b	
	148.90	Roots Fine Joint, from 7 to 10 o'clock, within 8 inch: YES	00:13:48	4986, b	
	162.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:14:36	4988	
	170.10	Crack Circumferential, from 2 to 3 o'clock, within 8 inch: YES	00:15:13	4989, b	S 1
	170.10	Crack Circumferential, from 3 to 4 o'clock, within 8 inch: YES	00:15:36	4991, b	S 1
	171.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:17	4993	





## Inspection report

Date: 03/07/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 676	PSR: 124287
Total Pipe Length: 247.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting .	Map Grid #:

1:462	position	observation	MPEG	photo	grade
		<p>Creek Multiple, from 7 to 5 o'clock, within 8 inch: YES</p> <p>Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES</p> <p>Tap Factory Active, at 9 o'clock, 6', within 8 inch: NO</p> <p>Manhole, within 8 inch: NO, Remarks: 2030-0402</p>	<p>00:18:00</p> <p>00:18:28</p> <p>00:19:02</p> <p>00:20:01</p>	<p>4994 b</p> <p>4996 b</p> <p>4996</p> <p>4999</p>	<p>S 3</p>

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	14	2	16	1.56	2	1.6



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## Inspection report

Date: 20080910	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 621	PSR: 45306
Total Pipe Length: 345	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/10/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0254
City: LAK	Year Renewed:	End MH: 1922-0287
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 345.96 ft
Purpose: F Routine Assessment	Dia/Height: C Circular 8/8	
Use: SS Sanitary	Material: VCP Pipe Joint length: 345	
Drain. Area: 0254/1922-0287/1922	Lining:	
	Category:	

Comment: TVed upstream

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0254		1	
	0.00	Water Level, 10 % of cross sectional area		2	M 2
	0.00	Water Mark, 20 % of cross sectional area	00:03:51	3	M 2
	53.21	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:08:18	4	
	55.52	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:06:33	5	
	83.75	Fracture Multiple, from 09 to 11 o'clock, within 8 inch: YES	00:07:41	6, b	S 4
	103.91	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:08:43	8	
	104.31	Crack Longitudinal, at 12 o'clock, within 8 inch: NO	00:09:08	9, b	S 2
	106.32	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:09:34	11	
	160.00	Crack Longitudinal, at 10 o'clock, within 8 inch: NO	00:13:25	14, b	S 2
	160.43	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:11:29	12	
	163.14	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:11:44	13	
	210.93	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:14:23	16	
	213.24	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:14:36	17	
	260.92	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:16:14	18	
	263.43	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:16:31	19	
	314.53	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:18:11	20	
	317.04	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:18:29	21	
	345.96	Upstream Manhole, Survey Ends 1922-0287	00:18:13	22	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2200	8	4	12	2.67	2	2.4



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## Inspection report

Date: <b>20080915</b>	P.O.#: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>A.OBRIEN</b>	section number: <b>632</b>	PSR: <b>45266</b>
Total Pipe Length: <b>312</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>LAK</b>	Clean Date: <b>09/15/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1922</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1922-0317</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1922-0318</b>
Location Code: <b>D Easement/Right of Way</b>	Tape/Media #:	Total length surveyed: <b>308.81 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8/8</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP Pipe Joint length: 312</b>
Drain. Area: <b>0317/1922-0318/1922</b>	Lining:
	Category:

Comment: **MH# REVERSED ON MAP**

Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0318		56	
	1.00	Water Level, 10 % of cross sectional area	00:00:35	57	
	1.00	Water Mark, 15 % of cross sectional area	00:00:42	58	M 2
	19.98	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:01:36	59	
	22.69	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:01:54	60	
	41.05	Fracture Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:02:47	61, b	S 4
	69.97	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:03:48	63	
	72.18	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO, Remark: Roots	00:04:01	64	
	123.28	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:05:20	65	
	125.99	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:33	66	
	176.39	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:07:00	67	
	178.90	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:07:17	68	
	225.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:08:36	69	
	229.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:08:48	70	
	279.60	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:11:40	71	
	282.31	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:11:53	72	
	303.99	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:12:54	73, b	S 2
	308.81	Upstream Manhole, Survey Ends 1922-0317	00:13:54	75	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2100	6	2	8	3	2	2.67



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## Inspection report

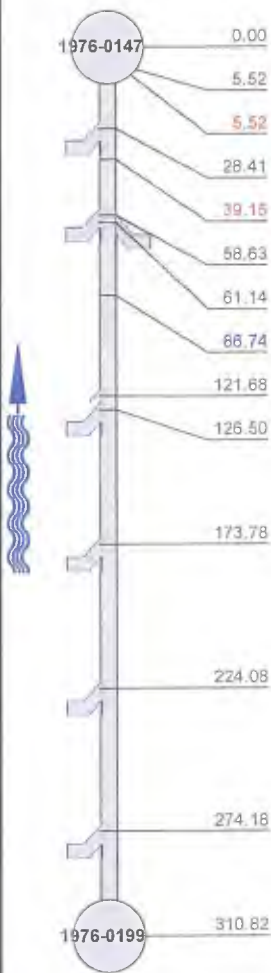
Date: 20080925	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 769	PSR: 45178
Total Pipe Length: 292	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0147
City: LAK	Year Renewed:	End MH: 1976-0199
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 310.82 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 292
Drain. Area: 0147/1976-0199/1976	Lining:
	Category:

Comment:  
 Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0199	00:00:03	105	
	5.52	Water Level, 20 % of cross sectional area	00:00:58	107	
	5.52	Water Mark, 50 % of cross sectional area	00:00:32	108	M 3
	28.41	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:01:40	109	
	39.15	Fracture Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:01:57	110, b	S 4
	58.63	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:02:53	112	
	61.14	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:17	113	
	66.74	Crack Spiral, from 12 to 12 o'clock, within 8 inch: YES	00:05:37	114, b	S 2
	121.68	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:00	116	
	126.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:07:51	117	
	173.78	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:26	118	
	224.08	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:23	119	
	274.18	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:31	120	
	310.82	Upstream Manhole, Survey Ends 1976-0147	00:18:02	121	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	3100	6	3	9	3	3	3





## Inspection report

Date: 03/19/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 804	PSR: 117379
Total Pipe Length: 207.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: 0	Flow Control: <b>Not Controlled</b>	Start MH: 2084-0167
City: LAK	Year Renewed:	End MH: 2084-0166
Location Code: Parking Lot	Tape/Media #: G312-030	pipe length: 204 ft
Reason for inspection: Routine Assessment	Dia/Height: Circular 8"	
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe	Pipe Length:
Drain. Area: 0166/2084-0167/2084	Lining Method:	
	Category:	

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2084-0167	00:00:41	7042	
	5.00	Water Level, 15 %, within 8 inch: NO	00:01:15	7043	M 2
	19.90	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:31	7044	
	22.40	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:11:51	7045	
	91.80	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:13:45	7046	
	100.10	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:14:29	7047	
	136.00	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:15:46	7048	
	144.20	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:16:27	7049	
	201.50	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:18:31	7050, b	S 4
	201.50	Deposits Attached Encrustation, from 7 to 5 o'clock, 10 %, within 8 inch: YES	00:18:57	7052, b	M 2
	202.30	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:19:37	7054	
	204.00	Manhole, within 8 inch: NO, Remarks: 2084-0166	00:20:21	7055	

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



## Inspection report

Date: 03/19/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 152	PSR: 117473
Total Pipe Length: 42.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>CENTRALIA ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2084-0011</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2084-TRNK</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>R311-012</b>	pipe length: <b>58 ft</b>

Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>
Use of Sewer: <b>Sanitary</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Drain. Area: <b>0011/2084-TRNK/2084</b>	Lining Method:
	Category:

Remark::

1:160	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2084-0011	00:00:25	2709	
	2.50	Fracture Multiple, from 12 to 11 o'clock, within 8 inch: YES	00:01:14	2710, b	S 4
	7.50	Water Level, 5 %, within 8 inch: NO	00:02:37	2712	M 2
	12.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:03:07	2713	
	58.00	Manhole, within 8 inch: NO, Remarks: 2084-TRNK	00:04:50	2714	

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



## Inspection report

Date: 03/12/2008	P.O.#: YOTV0708C	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 717	PSR: 117614
Total Pipe Length: 108.00	Survey Customer: LACDPW	System Owner: Lakewood	Clean Date:	Pre-Cleaned: Jetting	Map Grid #:

Street: <b>ELVINS ST</b>	Flow Control: <b>Not Controlled</b>	Start MH: <b>2083-0021</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>2083-0022</b>
Location Code: <b>Light Highway</b>	Tape/Media #: <b>G312-025</b>	pipe length: <b>102.8 ft</b>
Reason for inspection: <b>Routine Assessment</b>	Dia/Height: <b>Circular 8"</b>	Material: <b>Vitrified Clay Pipe</b> Pipe Length:
Use of Sewer: <b>Sanitary</b>	Lining Method:	
Drain. Area: <b>0021/2083-0022/2083</b>	Category:	

Remark::

1:275	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 2083-0021	00:00:34	5777	
	4.00	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:02:06	5778, b	S 4
	4.00	Roots Fine Barrel, from 2 to 10 o'clock, within 8 inch: NO	00:02:33	5780, b	M 2
	5.00 S1	Water Level Sag, 20 %, within 8 inch: NO, Start	00:03:48	5782	M 2
	16.90 F1	Water Level Sag, 20 %, within 8 inch: NO, End	00:04:42	5783	M 2
	16.90 S2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:20	5784, b	
	57.00	Tap Factory Active, at 3 o'clock, 8", within 8 inch: NO	00:07:34	5786	
	61.00 F2	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES, End	00:07:56	5787	
	64.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:19	5788	
	88.60 S3	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES, Start	00:09:33	5789, b	
	91.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:07	5791	
	93.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:26	5792	
	102.80	Manhole, within 8 inch: NO, Remarks: 2083-0022	00:11:16	5793	
	102.80 F3	Roots Fine Joint, from 3 to 9 o'clock, within 8 inch: YES, End	00:11:53	5794	



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## Inspection report

Date: 20080909	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 861	PSR: 45406
Total Pipe Length: 288	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: <b>ANDY ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1922-0120</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1922-0266</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	Total length surveyed: <b>248.37 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8/8</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP Pipe Joint length: 288</b>
Drain. Area: <b>0120/1922-0266/1922</b>	Lining:
	Category:

Comment: **None**  
 Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0120		73	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	8.58	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:02	74	
	61.04	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:26	75, 6	3.4
	74.49	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:58	77	
	178.90	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:38	78	
	248.37	Downstream Manhole, Survey Ends 1922-0266	00:07:57	79	

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





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## Inspection report

Date: 20080916	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 633	PSR: 45318
Total Pipe Length: 335	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/15/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: 0	Flow Control: N Not Controlled	Start MH: 1922-0258
City: LAK	Year Renewed:	End MH: 1922-0319
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 334.61 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 335
Drain. Area: 0258/1922-0319/1922	Lining:
	Category:

Comment: TVed upstream  
 Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0258	00:00:02	1	
	4.92	Water Level, 10 % of cross sectional area	00:02:20	2	
	4.92	Water Mark, 10 % of cross sectional area	00:02:24	3	M 2
	74.49	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO	00:04:34	4	
	77.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO	00:04:48	5	
	104.11	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO, Remark: Roots	00:05:40	6	
	106.52	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO	00:05:56	7	
	154.20	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO	00:07:42	8	
	157.02	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO	00:08:01	9	
	169.97	Fracture Multiple, from 07 to 12 o'clock, within 8 inch; YES	00:08:51	10, b	S 4
	207.82	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO	00:10:06	12	
	210.12	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO	00:10:18	13	
	258.51	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO	00:11:41	14	
	260.82	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO	00:07:58	15	
	308.61	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch; NO, Remark: Roots	00:15:13	16	
	311.32	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch; NO, Remark: Roots	00:15:31	17	
	311.82	Roots Fine Joint, at 02 o'clock, within 8 inch; YES	00:15:57	18, b	M 1
	334.61	Upstream Manhole, Survey Ends 1922-0319	00:18:11	20	

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



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## Inspection report

Date: 20080919	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 650	PSR: 45206
Total Pipe Length: 361	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0073
City: LAK	Year Renewed:	End MH: 1976-0074
Location Code: Y Yard	Tape/Media #:	Total length surveyed: 360.41 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 361
Drain. Area: 0073/1976-0074/1976	Lining:
	Category:

Comment: TVed upstream  
 Location details:

1:900	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0073		550	
	0.00	Water Level, 5 % of cross sectional area	00:00:48	551	
	0.00	Water Mark, 10 % of cross sectional area	00:00:53	552	M 2
	9.34	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:29	553	
	60.04	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:03:13	554	
	110.83	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:05:04	555	
	164.85	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:07:00	556	
	165.25	Fracture Multiple, from 02 to 06 o'clock, within 8 inch: YES	00:07:33	557, b	S 4
	215.75	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:09:43	559	
	269.46	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:14:08	560	
	269.76	Roots Fine Joints, from 12 to 12 o'clock, within 8 inch: YES	00:14:36	561, b	M 1
	320.46	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:19:04	563	
	355.59	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: NO	00:24:48	564	
	360.41	Upstream Manhole, Survey Ends 1976-0074	00:26:11	565	

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



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## Inspection report

Date: 20080925	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 760	PSR: 45216
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/25/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ASHWORTH ST	Flow Control: N Not Controlled	Start MH: 1976-0083
City: LAK	Year Renewed:	End MH: 1976-0084
Location Code: F Sidewalk	Tape/Media #:	Total length surveyed: 333.21 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 348
Drain. Area: 0083/1976-0084/1976	Lining:
	Category:

Comment: None  
 Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0084		168	
	0.00	Water Level, 5 % of cross sectional area	00:00:34	169	
	0.00	Water Mark, 5 % of cross sectional area	00:00:59	170	M 2
	52.51	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:03:02	171	
	104.91	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:05:00	172	
	164.04	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:07:01	173	
	219.96	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:08:53	174	
	275.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:10:50	175	
	329.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch; NO	00:13:25	176	
	332.00	Fracture Multiple, from 07 to 09 o'clock, within 8 inch; YES	00:14:01	177, b	S 4
	333.21	Downstream Manhole, Survey Ends 1922-0083	00:15:59	179	

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



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## Inspection report

Date: 20080918	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 664	PSR: 45152
Total Pipe Length: 270	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: SUNFIELD AV	Flow Control: N Not Controlled	Start MH: 1976-0118
City: LAK	Year Renewed:	End MH: 1976-0119
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 267.05 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 270
Drain. Area: 0118/1976-0119/1976	Lining:
	Category:

Comment: Cracks  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0118		427	
	2.91	Water Level, 10 % of cross sectional area	00:00:54	428	
	2.91	Water Mark, 20 % of cross sectional area	00:00:57	429	M 2
	40.26	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:02:24	430	
	70.48	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:03:29	431	
	156.11	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:06:22	432	
	197.27	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:07:47	433	
	264.54	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:09:55	434, b	S 4
	267.05	Downstream Manhole, Survey Ends 1976-0119	00:10:38	435	

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





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## Inspection report

Date: 20080923	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 753	PSR: 45173
Total Pipe Length: 320	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/22/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0141
City: LAK	Year Renewed:	End MH: 1976-0205
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 311.92 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 320
Drain. Area: 0141/1976-0205/1976	Lining:
	Category:

Comment: CAMERA BLOCKED BY TURN

Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0141		2	
	0.00	Water Level, 5 % of cross sectional area	00:01:16	3	
	0.00	Water Mark, 5 % of cross sectional area	00:00:37	4	M 2
	3.51	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:01:17	19, b	S 4
	40.96	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:01	21	
	69.25	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:42	22	
	140.15	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:11	23	
	190.65	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:26	24	
	241.55	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:14:57	25	
	241.55	Roots Fine Joint, from 08 to 09 o'clock, within 8 inch: YES	00:15:13	26, b	M 1
	255.20	Roots Fine Joint, from 04 to 05 o'clock, within 8 inch: YES	00:15:50	28, b	M 1
	299.17	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:29	30	
	311.72	Alignment Left, 10 °	00:18:26	31	M 1
	311.92	Downstream Manhole, Survey Ends 1976-0205	00:20:12	32	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2113	4	5	9	4	1.25	1.8



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## Inspection report

Date: <b>20081007</b>	P.O.#: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>A.OBRIEN</b>	section number: <b>1166</b>	PSR: <b>45200</b>
Total Pipe Length: <b>312</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>LAK</b>	Clean Date: <b>10/06/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1976</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1976-0169</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1976-0202</b>
Location Code: <b>D Easement/Right of Way</b>	Tape/Media #:	Total length surveyed: <b>309.71 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8/8</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP Pipe Joint length: 312</b>
Drain. Area: <b>0169/1976-0202/1976</b>	Lining:
	Category:

Comment: **TVed upstream**  
 Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0202			6
	0.00	Water Level, 5 % of cross sectional area	00:00:29		7
	0.00	Water Mark, 5 % of cross sectional area	00:00:31		8
	4.92	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:00:58	9, b	S 4
	23.59	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:02:08		11
	26.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:16:08		12
	55.12	Water Level, 40% of cross sectional area	00:05:18		13
	73.29	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:06:32		14
	76.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:06:58		15
	122.98	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:09:33		16
	125.39	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:09:47		17
	125.39	Water Level, 15 % of cross sectional area	00:09:55		18
	175.59	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:11:25		19
	178.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: Roots	00:11:39		20
	225.18	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:11		21
	227.69	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:26		22
	269.86	Water Level, 40 % of cross sectional area	00:21:44		23
	274.58	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:24:02		24
	276.28	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:25:24		25
	309.71	Upstream Manhole, Survey Ends 1976-0169	00:26:34		26

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



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## Inspection report

Date: 20081003	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 1157	PSR: 45123
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 10/02/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0186
City: LAK	Year Renewed:	End MH: 1976-0204
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 346.46 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 348
Drain. Area: 0186/1976-0204/1976	Lining:
	Category:

Comment: TVed upstream

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0204		1	
	0.00	Water Level, 5 % of cross sectional area	00:00:38	2	
	0.00	Water Mark, 5 % of cross sectional area	00:02:47	3	M 2
	52.41	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:04:09	4	
	55.02	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:22	5	
	102.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: dirt exposed	00:06:06	6	
	104.91	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: dirt exposed	00:06:26	7	
	154.81	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: Roots	00:08:19	8	
	154.81	Roots Fine Connection, from 08 to 10 o'clock, within 8 inch: YES	00:08:31	9	M 1
	157.32	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: Roots	00:08:51	10	
	157.32	Roots Fine Connection, from 01 to 04 o'clock, within 8 inch: YES	00:09:12	11	M 1
	204.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:12:00	12	
	206.81	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:12:14	13	
	249.28	Fracture Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:14:18	14, b	S 4
	254.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:15:00	16	
	256.51	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:19	17	
	303.49	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:04	18	
	306.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:17:19	19	
	346.46	Upstream Manhole, Survey Ends 1976-0186	00:18:50	20	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2112	4	4	8	4	1.33	2





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## Inspection report

Date: 20080930	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 926	PSR: 45054
Total Pipe Length: 356	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 09/29/2008	Pre-Cleaned: N No Pre-Cleaning	Map Grid #: 1976

Street: 0	Flow Control: N Not Controlled	Start MH: 1976-0375
City: LAK	Year Renewed:	End MH: 1976-0376
Location Code: D Easement/Right of Way	Tape/Media #:	Total length surveyed: 354.19 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 356
Drain. Area: 0375/1976-0376/1976	Lining:
	Category:

Comment: TVed upstream  
 Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0375		1	
	0.00	Water Level, 5 % of cross sectional area	00:00:47	2	
	0.00	Water Mark, 5 % of cross sectional area	00:00:53	3	M 2
	5.22	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: Roots	00:01:09	4	
	8.43	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:01:19	5	
	34.94	Fracture Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:02:58	59, b	5 4
	50.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO, Remark: Roots	00:03:05	6	
	53.61	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: Roots	00:03:18	7	
	100.59	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: NO	00:05:15	8	
	102.90	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO, Remark: Roots	00:05:27	9	
	148.78	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:08:35	10	
	152.40	Tap Factory Made Active, at 10 o'clock, 5", within 8 inch: NO	00:08:57	11	
	162.64	Roots Fine Joint, at 02 o'clock, within 8 inch: YES	00:09:43	61, b	M 1
	157.76	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:10:27	63, b	M 1
	203.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:13:30	12	
	203.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:13:45	13	
	272.27	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:00:10	14	
	277.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:15:27	65	
	326.08	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:17:11	66	
	328.79	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:18:14	67	
	350.68	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:19:07	68	
	351.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:20:30	69	
	354.19	Upstream Manhole, Survey Ends 1976-0376	00:21:29	70	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2112	4	4	8	4	1.33	2





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## Inspection report

Date: 20081009	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: A.OBRIEN	section number: 1306	PSR: 45067
Total Pipe Length: 286	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 10/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: <b>ADENMOOR AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1976-0387</b>
City: <b>LAK</b>	Year Renewed:	End MH: <b>1976-0426</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	Total length surveyed: <b>290.84 ft</b>

Purpose: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8/8</b>
Use: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Joint length: <b>286</b>
Drain. Area: <b>0387/1976-0426/1976</b>	Lining:
	Category:

Comment: **None**

Location details:

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0387			129
	0.00	Water Level, 5 % of cross sectional area	00:00:43	130	
	0.00	Water Mark, 5 % of cross sectional area	00:00:49	131	M 2
	54.81	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:03:40	132	
	57.43	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: NO	00:03:55	133	
	90.25	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:04:57	134	
	183.82	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:07:43	135	
	189.34	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: NO	00:08:04	136	
	288.33	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:13:15	137, b	S 4
	289.03	Drop Connection	00:13:40	139	
	290.84	Downstream Manhole, Survey Ends 1976-0426	00:14:13	140	

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



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## Inspection report

Date: 20081023	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 1751	PSR: 44850
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: LAK	Clean Date: 10/23/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1976

Street: HUNGERFORD ST	Flow Control: N Not Controlled	Start MH: 1976-0646
City: LAK	Year Renewed:	End MH: 1976-0724
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 250.68 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 10/10
Use: SS Sanitary	Material: VCP Pipe Joint length: 266
Drain. Area: 0646/1976-0724/1976	Lining:
	Category:

Comment: None

Location details:

1:525	position	observation	MPEG	photo	grade
	1976-0646	0.00			
		0.00			
		0.00			
		41.96	00:02:34	25221	
		43.47	00:02:44	25222, b	S 4
		46.78	00:03:01	25224	
		126.09	00:04:56	25225	
		130.11	00:05:09	25226	
		159.43	00:06:03	25227	
		163.64	00:06:19	25228	
	1976-0724	250.68	00:08:30	25229	

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

ENCLOSURE 5:

City of Lakewood

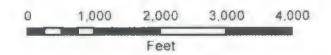
Periodic Report



# MAINTENANCE MAP PERIODICS

CITY OF LAKEWOOD

SUPERVISORIAL DISTRICT 4



## Legend

### Periodics

- 30 DAYS
- 60 DAYS
- 90 DAYS
- 120 DAYS
- 150 DAYS
- 180 DAYS
- 12 MONTHS
- 15 MONTHS
- 18 MONTHS

### SMD Manholes

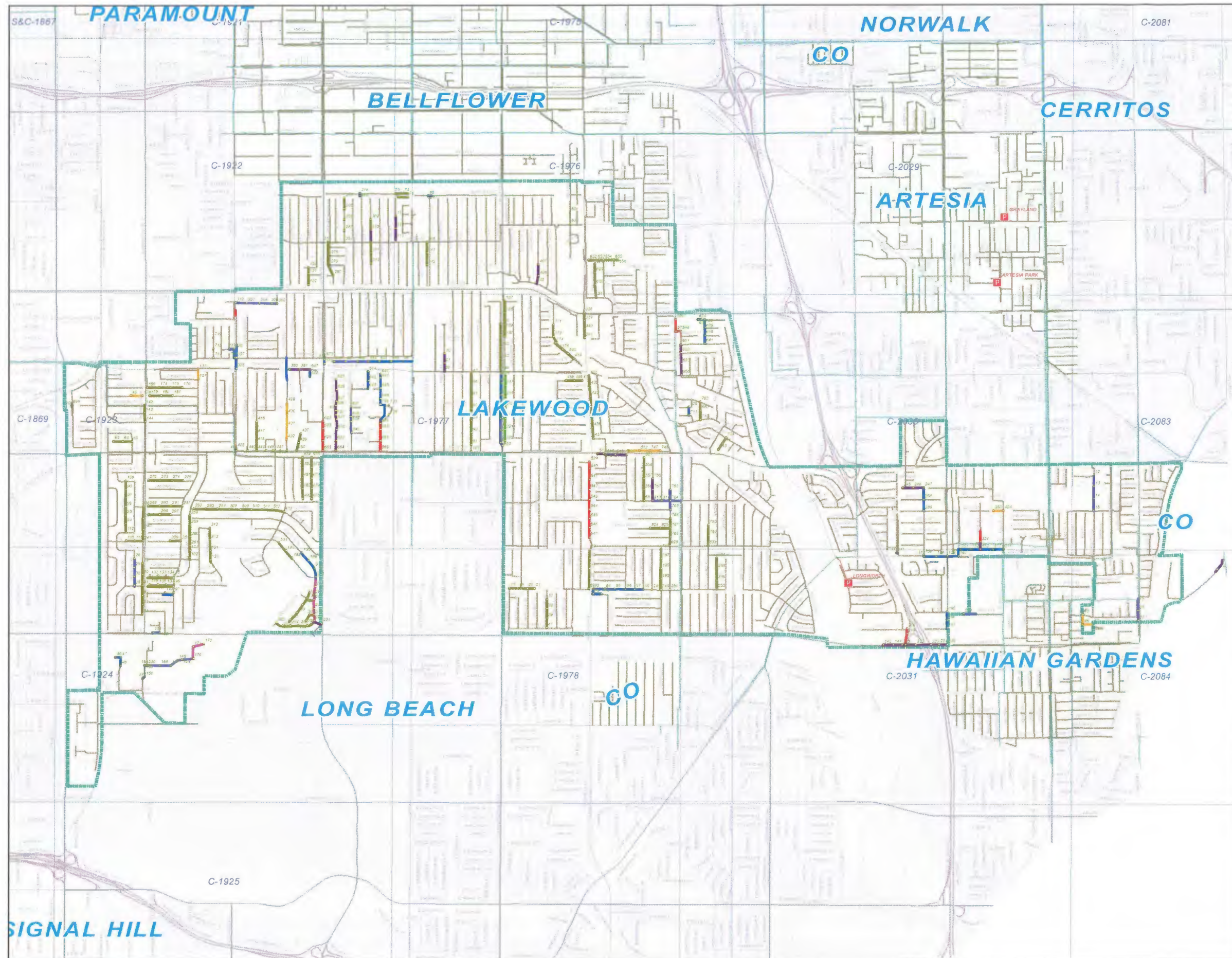
- Standard
- ▲ DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations

### SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunk MH
- SMD Trunks
- SMD Operations Maps

### Cities

- PARAMOUNT
- NORWALK
- BELLFLOWER
- ARTESIA
- CERRITOS
- LAKEWOOD
- HAWAIIAN GARDENS
- LONG BEACH
- SIGNAL HILL





# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S08P00008</b>						
SPH: Sewer Siphon No. 2 on Mapsheet No. 1922 : MH #218 to #222	0218/1922-0222/1922	90 DAYS	8/1/1997	74	296	296
				74	296	296
Summary for 'PM' = S08P00008						
<b>PM S08P00009</b>						
SPH: Sewer Siphon No. 1 on Mapsheet No. 1923 : MH #320 to #321 (60	0320/1923-0321/1923	60 DAYS	8/1/1997	148	888	888
				148	888	888
Summary for 'PM' = S08P00009						
<b>PM S08P00010</b>						
SPH: Sewer Siphon No. 2 on Mapsheet No. 1923 : MH #547 to #549 (90	0547/1923-0549/1923	90 DAYS	8/1/1997	200	800	800
				200	800	800
Summary for 'PM' = S08P00010						
<b>PM S08P00011</b>						
SPH: Sewer Siphon No. 1 on Mapsheet No. 1924 : MH #156 to #157	0156/1924-0157/1924	90 DAYS	8/1/1997	75	300	300
				75	300	300
Summary for 'PM' = S08P00011						
<b>PM S08P00014</b>						
SPH: Sewer Siphon No. 2 on Mapsheet No. 1976 : MH #86 to #87	0086/1976-0087/1976	90 DAYS	8/1/1997	101	404	404
				101	404	404
Summary for 'PM' = S08P00014						
<b>PM S08P00029</b>						
SPH: Sewer Siphon No. 1 on Mapsheet No. 2031 : MH #111 to #112	0111/2031-0112/2031	90 DAYS	8/1/1997	41	164	164
				41	164	164
Summary for 'PM' = S08P00029						
<b>PM S08P00055</b>						
SPH: Sewer Siphon No. 3 on Mapsheet No. 1923 : MH#699 to #700(90 D	0699/1923-0700/1923	90 DAYS	8/1/1997	50	200	200
				50	200	200
Summary for 'PM' = S08P00055						
<b>PM S09C00018</b>						
H: Mapsheet No. 2030 - Alburtis Ave : from Mh #247 to #286 (90 DAYS)	0247/2030-0285/2030	90 DAYS	7/25/1997	331	1,324	1,324
H: Mapsheet No. 2030 - Alburtis Ave : from Mh #247 to #286 (90 DAYS)	0285/2030-0286/2030	90 DAYS	7/25/1997	353	1,412	1,412
				684	2,736	2,736
Summary for 'PM' = S09C00018						
<b>PM S09C00340</b>						
H: Mapsheet No. 2084 - R/w N/o Moody Creek : MH #176 to T/L North (1	0176/2084-TRNK/2084	120 DAYS	5/1/1998	411	1,233	1,233
				411	1,233	1,233
Summary for 'PM' = S09C00340						
<b>PM S09C00345</b>						
H: Mapsheet No. 2030-Seine Avenue: MH# 324 to MH 153:2031 (120 DA	0153/2031-0324/2030	120 DAYS	1/27/1999	285	855	855
				285	855	855
Summary for 'PM' = S09C00345						

# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S09C01044</b>						
H: Mapsheet No. 1923 - Faculty Ave : MH #652 to #669 (120 DAYS)	0652/1923-0653/1923	60 DAYS	9/19/1997	280	1,680	1,680
H: Mapsheet No. 1923 - Faculty Ave : MH #652 to #669 (120 DAYS)	0653/1923-0654/1923	60 DAYS	9/19/1997	335	2,010	2,010
H: Mapsheet No. 1923 - Faculty Ave : MH #652 to #669 (120 DAYS)	0654/1923-0669/1923	60 DAYS	9/19/1997	260	1,560	1,560
Summary for 'PM' = S09C01044				875	5,250	5,250
<b>PM S09C01045</b>						
H: Mapsheet No. 1923 - Alley N/o Candlewood Ave : MH #550 to #553 S/	0552/1923-0553/1923	150 DAYS	8/19/1997	350	700	700
H: Mapsheet No. 1923 - Alley N/o Candlewood Ave : MH #550 to #553 S/	0550/1923-0551/1923	150 DAYS	8/19/1997	350	700	700
H: Mapsheet No. 1923 - Alley N/o Candlewood Ave : MH #550 to #553 S/	0551/1923-0552/1923	150 DAYS	8/19/1997	350	700	700
Summary for 'PM' = S09C01045				1,050	2,100	2,100
<b>PM S09C01062</b>						
H: Mapsheet No. 2031 - 215th St : MH #210 to T/L East (150 DAYS)	0210/2031-0211/2031	150 DAYS	9/25/1997	345	690	690
Summary for 'PM' = S09C01062				345	690	690
<b>PM S09C02052</b>						
H: Mapsheet No.1923 - R/w N/o Candlewood Ave :Mh 553 to 1977:T/L*(9	0553/1923-0554/1923	90 DAYS	9/19/1997	315	1,260	1,260
H: Mapsheet No.1923 - R/w N/o Candlewood Ave :Mh 553 to 1977:T/L*(9	0046/1977-0555/1923	90 DAYS	9/19/1997	350	1,400	1,400
H: Mapsheet No.1923 - R/w N/o Candlewood Ave :Mh 553 to 1977:T/L*(9	0554/1923-0555/1923	90 DAYS	9/19/1997	315	1,260	1,260
H: Mapsheet No.1923 - R/w N/o Candlewood Ave :Mh 553 to 1977:T/L*(9	0046/1977-TRNK/1977	90 DAYS	9/19/1997	304	1,216	1,216
Summary for 'PM' = S09C02052				1,284	5,136	5,136
<b>PM S09C02053</b>						
H: Mapsheet No. 1923 - Hazelbrook Ave : MH #640 to #637 (150 DAYS)	0637/1923-0638/1923	150 DAYS	7/3/1997	335	1,005	670
H: Mapsheet No. 1923 - Hazelbrook Ave : MH #640 to #637 (150 DAYS)	0639/1923-0640/1923	150 DAYS	7/3/1997	300	900	900
H: Mapsheet No. 1923 - Hazelbrook Ave : MH #640 to #637 (150 DAYS)	0638/1923-0639/1923	150 DAYS	7/3/1997	150	450	300
Summary for 'PM' = S09C02053				785	2,355	1,870

# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM 509C02054</b>						
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0626/1923-0627/1923	120 DAYS	7/23/1997	350	1,050	1,050
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0629/1923-0630/1923	120 DAYS	7/23/1997	137	411	411
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0630/1923-0631/1923	120 DAYS	7/23/1997	110	330	330
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0625/1923-0626/1923	120 DAYS	7/23/1997	287	861	861
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0631/1923-0632/1923	120 DAYS	7/23/1997	320	960	960
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0627/1923-0628/1923	120 DAYS	7/23/1997	128	384	384
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0633/1923-0664/1923	120 DAYS	7/23/1997	286	858	858
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0628/1923-0629/1923	120 DAYS	7/23/1997	137	411	411
H: Mapsheet No. 1923 - Pepperwood Ave : MH #664 to #625 (120 DAYS)	0632/1923-0633/1923	120 DAYS	7/23/1997	332	996	996
Summary for 'PM' = S09C02054				2,087	6,261	6,261
<b>PM 509C02055</b>						
H: Mapsheet No. 1924 - Maybank Ave : MH #38 to #28 (150 DAYS)	0029/1924-0030/1924	150 DAYS	9/19/1997	262	786	524
H: Mapsheet No. 1924 - Maybank Ave : MH #38 to #28 (150 DAYS)	0030/1924-0038/1924	150 DAYS	9/19/1997	262	786	524
H: Mapsheet No. 1924 - Maybank Ave : MH #38 to #28 (150 DAYS)	0028/1924-0029/1924	150 DAYS	9/19/1997	262	786	524
Summary for 'PM' = S09C02055				786	2,358	1,572
<b>PM 509C02056</b>						
H: Mapsheet No. 1924 - r/w s/o Carson St : MH #170 to MH #165 (150 D	0168/1924-0169/1924	150 DAYS	7/2/1997	125	250	375
H: Mapsheet No. 1924 - r/w s/o Carson St : MH #170 to MH #165 (150 D	0169/1924-0170/1924	150 DAYS	7/2/1997	307	614	921
H: Mapsheet No. 1924 - r/w s/o Carson St : MH #170 to MH #165 (150 D	0166/1924-0167/1924	150 DAYS	7/2/1997	329	658	987
H: Mapsheet No. 1924 - r/w s/o Carson St : MH #170 to MH #165 (150 D	0165/1924-0166/1924	150 DAYS	7/2/1997	322	644	966
H: Mapsheet No. 1924 - r/w s/o Carson St : MH #170 to MH #165 (150 D	0167/1924-0168/1924	150 DAYS	7/2/1997	257	514	514
Summary for 'PM' = S09C02056				1,340	2,680	3,763
<b>PM 509C02105</b>						
H: Mapsheet No. 2031 - Centralia St : MH #156 to #160** 10" (90 DAYS)	0159/2031-0160/2031	90 DAYS	7/29/1997	364	1,456	1,456
H: Mapsheet No. 2031 - Centralia St : MH #156 to #160** 10" (90 DAYS)	0157/2031-0158/2031	90 DAYS	7/29/1997	336	1,344	1,344
H: Mapsheet No. 2031 - Centralia St : MH #156 to #160** 10" (90 DAYS)	0156/2031-0157/2031	90 DAYS	7/29/1997	40	160	160
H: Mapsheet No. 2031 - Centralia St : MH #156 to #160** 10" (90 DAYS)	0158/2031-0159/2031	90 DAYS	7/29/1997	336	1,344	1,344
Summary for 'PM' = S09C02105				1,076	4,304	4,304

# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S09C03004</b>						
H: Mapsheet No. 2084 - Bloomfield : MH #29 to #25 (150 DAYS)	0026/2084-0027/2084	150 DAYS	8/10/1997	304	608	912
H: Mapsheet No. 2084 - Bloomfield : MH #29 to #25 (150 DAYS)	0025/2084-TRNK/2084	150 DAYS	8/10/1997	104	208	312
H: Mapsheet No. 2084 - Bloomfield : MH #29 to #25 (150 DAYS)	0025/2084-0026/2084	150 DAYS	8/10/1997	246	492	492
Summary for 'PM' = S09C03004				654	1,308	1,716
<b>PM S09C06023</b>						
H: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (150 DA	0012/2083-0013/2083	150 DAYS	2/17/1998	346	1,038	692
H: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (150 DA	0014/2083-0015/2083	150 DAYS	2/17/1998	350	1,050	700
H: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (150 DA	0013/2083-0014/2083	150 DAYS	2/17/1998	354	1,062	708
Summary for 'PM' = S09C06023				1,050	3,150	2,100
<b>PM S09C06090</b>						
H; Mapsheet No. 1923 - E/S Downey Ave. From Mh 403 to Mh 404 (90 DA	0403/1923-0404/1923	90 DAYS	7/6/2004	72	288	288
Summary for 'PM' = S09C06090				72	288	288
<b>PM S09C06096</b>						
H; Mapsheet No. 1924 - From Mh 151 to Mh 152 (90 DAYS)	0151/1924-0152/1924	90 DAYS	12/23/2004	190	760	760
Summary for 'PM' = S09C06096				190	760	760
<b>PM S09C06106</b>						
H; Mapsheet No. 2030 - 205th St From Mh 245 to Mh 247 (90 DAYS)	0246/2030-0247/2030	120 DAYS	5/1/2003	319	957	957
H; Mapsheet No. 2030 - 205th St From Mh 245 to Mh 247 (90 DAYS)	0245/2030-0246/2030	120 DAYS	5/1/2003	306	918	918
Summary for 'PM' = S09C06106				625	1,875	1,875
<b>PM S09C06135</b>						
H; Mapsheet No. 1923 - Lakewood Bl. From mh 662 to mh 622 (60 DAYS)	0623/1923-0624/1923	60 DAYS	8/19/2008	350	2,100	2,100
H; Mapsheet No. 1923 - Lakewood Bl. From mh 662 to mh 622 (60 DAYS)	0622/1923-0623/1923	60 DAYS	8/19/2008	232	1,392	1,392
H; Mapsheet No. 1923 - Lakewood Bl. From mh 662 to mh 622 (60 DAYS)	0624/1923-0662/1923	60 DAYS	8/19/2008	354	2,124	2,124
Summary for 'PM' = S09C06135				936	5,616	5,616
<b>PM S09C06137</b>						
H : Mapsheet No. 1923 -Wagnor Ave From Mh 719 to 717 (90 DAYS)650'	0718/1923-0719/1923	90 DAYS	1/1/2010	335	1,340	1,340
H : Mapsheet No. 1923 -Wagnor Ave From Mh 719 to 717 (90 DAYS)650'	0717/1923-0718/1923	90 DAYS	1/1/2010	260	1,040	1,040
Summary for 'PM' = S09C06137				595	2,380	2,380



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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S09C6056</b>						
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0444/1923-0445/1923	60 DAYS	5/21/2011	276	1,104	1,656
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0445/1923-0446/1923	60 DAYS	5/21/2011	204	816	1,224
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0443/1923-0444/1923	60 DAYS	5/21/2011	259	1,036	1,554
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0448/1923-0691/1923	60 DAYS	5/21/2011	179	716	1,074
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0447/1923-0691/1923	60 DAYS	5/21/2011	167	668	1,002
H: Mapsheet No. C-1923 : N/S Del Amo Bl from Mh 443 to 448 (60 DAYS)	0446/1923-0447/1923	60 DAYS	5/21/2011	71	284	426
Summary for 'PM' = S09C6056				1,156	4,624	6,936
<b>PM S09C6059</b>						
H: Mapsheet No. C-2031: Norwalk Bl from Mh 422(c-2030) to 326 (90 DA	0422/2030-0423/2030	90 DAYS	8/2/2011	62	124	248
H: Mapsheet No. C-2031: Norwalk Bl from Mh 422(c-2030) to 326 (90 DA	0326/2031-0423/2030	90 DAYS	8/2/2011	356	712	1,424
Summary for 'PM' = S09C6059				418	836	1,672
<b>PM S100CR0025</b>						
RP : Mapsheet No. 1922 - Alley E/O Olive Av. : MH #120 to #122	0121/1922-0122/1922	18 MONTHS	3/22/2000	300	300	300
RP : Mapsheet No. 1922 - Alley E/O Olive Av. : MH #120 to #122	0120/1922-0121/1922	18 MONTHS	3/22/2000	208	208	208
Summary for 'PM' = S100CR0025				508	508	508
<b>PM S10C00114</b>						
RP: Mapsheet No. 1922 - Alley E/O Oliva Av. : MH #120 to #122	0120/1922-0121/1922	18 MONTHS	3/22/2000	208	208	208
RP: Mapsheet No. 1922 - Alley E/O Oliva Av. : MH #120 to #122	0121/1922-0122/1922	18 MONTHS	3/22/2000	300	300	300
Summary for 'PM' = S10C00114				508	508	508
<b>PM S10C00126</b>						
RP: Mapsheet No. 1923 - Loomis St. : MH #275 to #272 ( 18 MONTHS)	0272/1923-0273/1923	18 MONTHS	11/13/1997	341	341	341
RP: Mapsheet No. 1923 - Loomis St. : MH #275 to #272 ( 18 MONTHS)	0274/1923-0275/1923	18 MONTHS	11/13/1997	341	341	341
RP: Mapsheet No. 1923 - Loomis St. : MH #275 to #272 ( 18 MONTHS)	0273/1923-0274/1923	18 MONTHS	11/13/1997	341	341	341
Summary for 'PM' = S10C00126				1,023	1,023	1,023
<b>PM S10C00128</b>						
R: Mapsheet No. 1923 - Obispo Av. : MH #151 to #137 (180 DAYS)	0137/1923-0151/1923	180 DAYS	11/27/1997	255	510	510
Summary for 'PM' = S10C00128				255	510	510

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Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00129</b>						
R: Mapsheet No. 1923 - Hayter Av. : MH #432 to #429 (180 DAYS)	0431/1923-0432/1923	180 DAYS	12/5/1997	380	760	760
R: Mapsheet No. 1923 - Hayter Av. : MH #432 to #429 (180 DAYS)	0430/1923-0431/1923	180 DAYS	12/5/1997	359	718	718
R: Mapsheet No. 1923 - Hayter Av. : MH #432 to #429 (180 DAYS)	0429/1923-0430/1923	180 DAYS	12/5/1997	339	678	678
Summary for 'PM' = S10C00129				1,078	2,156	2,156
<b>PM S10C00133</b>						
R: Mapsheet No. 1923 - Dashwood St. : MH #178 to #46 (180 DAYS)	0046/1923-0178/1923	180 DAYS	8/7/1997	343	686	686
Summary for 'PM' = S10C00133				343	686	686
<b>PM S10C00137</b>						
R: Mapsheet No. 1923 - Alley N/O St. Pancratus Pl. : MH #319 to #360 (	0319/1923-0357/1923	150 DAYS	10/31/1997	350	1,050	700
R: Mapsheet No. 1923 - Alley N/O St. Pancratus Pl. : MH #319 to #360 (	0359/1923-0360/1923	150 DAYS	10/31/1997	159	477	318
R: Mapsheet No. 1923 - Alley N/O St. Pancratus Pl. : MH #319 to #360 (	0358/1923-0359/1923	150 DAYS	10/31/1997	371	1,113	742
R: Mapsheet No. 1923 - Alley N/O St. Pancratus Pl. : MH #319 to #360 (	0357/1923-0358/1923	150 DAYS	10/31/1997	380	1,140	760
Summary for 'PM' = S10C00137				1,260	3,780	2,520
<b>PM S10C00141</b>						
R: Mapsheet No. 1923 - E/S Lakewood Bl. : MH #573 to #575 (90 DAYS)	0573/1923-0574/1923	90 DAYS	11/25/1997	127	508	508
R: Mapsheet No. 1923 - E/S Lakewood Bl. : MH #573 to #575 (90 DAYS)	0574/1923-0575/1923	90 DAYS	11/25/1997	143	572	572
Summary for 'PM' = S10C00141				270	1,080	1,080
<b>PM S10C00143</b>						
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0646/1923-0647/1923	90 DAYS	11/26/1997	112	448	448
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0654/1923-0669/1923	90 DAYS	9/19/1997	260	1,040	1,040
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0652/1923-0736/1923	90 DAYS	11/26/1997	177	708	708
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0736/1923-0737/1923	90 DAYS	11/26/1997	323	1,292	1,292
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0653/1923-0654/1923	90 DAYS	9/19/1997	335	1,340	1,340
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0647/1923-0648/1923	90 DAYS	11/26/1997	295	1,180	1,180
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0648/1923-0649/1923	90 DAYS	11/26/1997	363	1,452	1,452
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0649/1923-0738/1923	90 DAYS	11/26/1997	170	680	680
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0652/1923-0653/1923	90 DAYS	9/19/1997	280	1,120	1,120
R: Mapsheet No. 1923 - Faculty Av. : MH #646 to #669 (90 DAYS)	0737/1923-0738/1923	90 DAYS	11/26/1997	123	492	492
Summary for 'PM' = S10C00143				2,438	9,752	9,752

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00149</b>						
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0168/1924-0169/1924	90 DAYS	7/2/1997	125	500	500
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0166/1924-0167/1924	90 DAYS	7/2/1997	329	1,316	1,316
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0155/1924-0230/1924	90 DAYS	5/20/2008	67	268	268
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0169/1924-0170/1924	90 DAYS	7/2/1997	307	1,228	1,228
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0167/1924-0168/1924	90 DAYS	7/2/1997	257	1,028	1,028
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0165/1924-0166/1924	90 DAYS	7/2/1997	322	1,288	1,288
R: Mapsheet No. 1924 - R/W S/O Carson St. : MH #170 to MH 155 (90 D	0230/1924-0165/1924	90 DAYS	5/20/2008	55	220	220
Summary for 'PM' = S10C00149				1,462	5,848	5,848
<b>PM S10C00150</b>						
R: Mapsheet No. 1924 - R/W E/O Fleethaven Rd. : MH #224 to #220 (12	0220/1924-0224/1924	120 DAYS	5/31/2002	224	672	672
Summary for 'PM' = S10C00150				224	672	672
<b>PM S10C00181</b>						
R: Mapsheet No. 1976 - R/W E/O Coldbrook Ave. From Mh 440 to Mh 407	0408/1976-0440/1976	120 DAYS	11/1/1997	221	663	663
R: Mapsheet No. 1976 - R/W E/O Coldbrook Ave. From Mh 440 to Mh 407	0407/1976-0408/1976	120 DAYS	11/1/1997	338	1,014	1,014
Summary for 'PM' = S10C00181				559	1,677	1,677
<b>PM S10C00190</b>						
R: Mapsheet No. 1977 - E/s Palo Verde : MH #596 to #598 (60 DAYS)	0596/1977-0597/1977	60 DAYS	9/24/1997	350	2,100	2,100
R: Mapsheet No. 1977 - E/s Palo Verde : MH #596 to #598 (60 DAYS)	0597/1977-0598/1977	60 DAYS	9/24/1997	141	846	846
Summary for 'PM' = S10C00190				491	2,946	2,946
<b>PM S10C00192</b>						
R: Mapsheet No. 1977 - Premiere Ave : MH #50 to #20 (120 DAYS)	0020/1977-0021/1977	120 DAYS	11/26/1997	267	801	801
R: Mapsheet No. 1977 - Premiere Ave : MH #50 to #20 (120 DAYS)	0021/1977-0050/1977	120 DAYS	11/26/1997	267	801	801
Summary for 'PM' = S10C00192				534	1,602	1,602
<b>PM S10C00193</b>						
R: Mapsheet No. 1977 - Dillman St : MH #624 to #625 (90 DAYS)	0624/1977-0625/1977	90 DAYS	12/28/1997	100	400	400
Summary for 'PM' = S10C00193				100	400	400

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00194</b>						
R: Mapsheet No. 1977 - Bellflower Blvd : MH #214 to #223 (150DAYS)	0216/1977-0223/1977	150 DAYS	8/11/1997	107	214	214
R: Mapsheet No. 1977 - Bellflower Blvd : MH #214 to #223 (150DAYS)	0214/1977-0215/1977	150 DAYS	8/11/1997	372	744	744
R: Mapsheet No. 1977 - Bellflower Blvd : MH #214 to #223 (150DAYS)	0215/1977-0216/1977	150 DAYS	8/11/1997	350	700	700
Summary for 'PM' = S10C00194				829	1,658	1,658
<b>PM S10C00195</b>						
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0541/1977-0542/1977	60 DAYS	8/21/1997	278	1,668	1,668
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0546/1977-0547/1977	60 DAYS	8/21/1997	288	1,728	1,728
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0542/1977-0543/1977	60 DAYS	8/21/1997	278	1,668	1,668
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0543/1977-0544/1977	60 DAYS	8/21/1997	288	1,728	1,728
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0545/1977-0546/1977	60 DAYS	8/21/1997	288	1,728	1,728
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0540/1977-0541/1977	60 DAYS	8/21/1997	278	1,668	1,668
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0539/1977-0540/1977	60 DAYS	8/21/1997	278	1,668	1,668
R: Mapsheet No. 1977 - Woodruff Ave : MH #539 to #547 (60 Days)	0544/1977-0545/1977	60 DAYS	8/21/1997	288	1,728	1,728
Summary for 'PM' = S10C00195				2,264	13,584	13,584
<b>PM S10C00198</b>						
R: Mapsheet No. 1977 - R/W E/O Palo Verde : MH #708 to #711 (90 DAY	0708/1977-0711/1977	90 DAYS	12/17/1997	255	1,020	1,020
Summary for 'PM' = S10C00198				255	1,020	1,020
<b>PM S10C00200</b>						
R: Mapsheet No. 1977 - Arbor Rd : MH #813 to T/L EAST (150DAYS)	0764/1977-0814/1977	150 DAYS	10/27/1997	260	520	520
R: Mapsheet No. 1977 - Arbor Rd : MH #813 to T/L EAST (150DAYS)	0813/1977-0814/1977	150 DAYS	10/27/1997	266	534	534
R: Mapsheet No. 1977 - Arbor Rd : MH #813 to T/L EAST (150DAYS)	0764/1977-TRNK/1977	150 DAYS	10/27/1997	293	586	586
Summary for 'PM' = S10C00200				819	1,640	1,640
<b>PM S10C00201</b>						
R: Mapsheet No. 1977 - Conquista Ave : MH 763 to #765 (150DAYS)	0763/1977-0764/1977	150 DAYS	9/1/1997	319	957	638
R: Mapsheet No. 1977 - Conquista Ave : MH 763 to #765 (150DAYS)	0764/1977-0765/1977	150 DAYS	9/1/1997	281	843	562
Summary for 'PM' = S10C00201				600	1,800	1,200



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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00209</b>						
R: Mapsheet No. 1977 - S/S Del Amo : MH #513 to #517 (120 DAYS)	0515/1977-0516/1977	120 DAYS	9/15/1997	291	873	873
R: Mapsheet No. 1977 - S/S Del Amo : MH #513 to #517 (120 DAYS)	0514/1977-0515/1977	120 DAYS	9/15/1997	68	204	204
R: Mapsheet No. 1977 - S/S Del Amo : MH #513 to #517 (120 DAYS)	0516/1977-0517/1977	120 DAYS	9/15/1997	291	873	873
R: Mapsheet No. 1977 - S/S Del Amo : MH #513 to #517 (120 DAYS)	0513/1977-0514/1977	120 DAYS	9/15/1997	173	519	519
Summary for 'PM' = S10C00209				823	2,469	2,469
<b>PM S10C00211</b>						
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0093/1978-0094/1978	90 DAYS	11/7/1997	366	1,464	1,464
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0093/1978-0099/1978	90 DAYS	11/7/1997	118	472	472
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0095/1978-0096/1978	90 DAYS	11/7/1997	318	1,272	1,272
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0096/1978-0097/1978	90 DAYS	11/7/1997	271	1,084	1,084
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0099/1978-0100/1978	90 DAYS	11/7/1997	238	952	952
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0094/1978-0095/1978	90 DAYS	11/7/1997	289	1,156	1,156
R: Mapsheet No. 1978 - Harvey Wy : MH #100 to T/L East (90 DAYS)	0097/1978-0098/1978	90 DAYS	11/7/1997	253	1,012	1,012
Summary for 'PM' = S10C00211				1,853	7,412	7,412
<b>PM S10C00261</b>						
R: Mapsheet No. 2031 - Centralia St : MH #156 to #159 (90 DAYS)	0156/2031-0157/2031	90 DAYS	7/29/1997	40	160	160
R: Mapsheet No. 2031 - Centralia St : MH #156 to #159 (90 DAYS)	0158/2031-0159/2031	90 DAYS	7/29/1997	336	1,344	1,344
R: Mapsheet No. 2031 - Centralia St : MH #156 to #159 (90 DAYS)	0157/2031-0158/2031	90 DAYS	7/29/1997	336	1,344	1,344
Summary for 'PM' = S10C00261				712	2,848	2,848
<b>PM S10C00262</b>						
R: Mapsheet No. 2031 - Seine St : MH #153 to Mapsheet 2030 MH #323	0323/2030-0324/2030	60 DAYS	10/11/1997	302	1,812	1,812
R: Mapsheet No. 2031 - Seine St : MH #153 to Mapsheet 2030 MH #323	0153/2031-0324/2030	60 DAYS	1/27/1999	285	1,710	1,710
Summary for 'PM' = S10C00262				587	3,522	3,522
<b>PM S10C00270</b>						
R: Mapsheet No. 2031 - Alley n/o Centralia Rd : MH #311 to T/L (90 DAY	0152/2031-0153/2031	90 DAYS	1/11/1998	311	1,244	1,244
R: Mapsheet No. 2031 - Alley n/o Centralia Rd : MH #311 to T/L (90 DAY	0151/2031-TRNK/2031	90 DAYS	1/11/1998	42	168	168
R: Mapsheet No. 2031 - Alley n/o Centralia Rd : MH #311 to T/L (90 DAY	0153/2031-0277/2031	90 DAYS	1/11/1998	325	1,300	1,300
R: Mapsheet No. 2031 - Alley n/o Centralia Rd : MH #311 to T/L (90 DAY	0277/2031-0311/2031	90 DAYS	1/11/1998	325	1,300	1,300
R: Mapsheet No. 2031 - Alley n/o Centralia Rd : MH #311 to T/L (90 DAY	0151/2031-0152/2031	90 DAYS	1/11/1998	311	1,244	1,244
Summary for 'PM' = S10C00270				1,314	5,256	5,256

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00274</b>						
R: Mapsheet No. 2031 - R/W E/O Nectar Ave : MH #218 to #221 (60 DA	0219/2031-0221/2031	60 DAYS	10/9/1997	328	1,968	1,968
R: Mapsheet No. 2031 - R/W E/O Nectar Ave : MH #218 to #221 (60 DA	0218/2031-0219/2031	60 DAYS	10/9/1997	132	792	792
Summary for 'PM' = S10C00274				460	2,760	2,760
<b>PM S10C00275</b>						
R: Mapsheet No. 2031 - Arline Ave : MH #160 to T/L North (90 DAYS)	0160/2031-TRNK/2031	90 DAYS	9/25/1997	158	632	632
Summary for 'PM' = S10C00275				158	632	632
<b>PM S10C00297</b>						
R: Mapsheet No. 2084 - R/w N/o Moody Creek : MH #176 to T/L North (9	0176/2084-TRNK/2084	90 DAYS	5/1/1998	411	1,644	1,644
Summary for 'PM' = S10C00297				411	1,644	1,644
<b>PM S10C00299</b>						
R: Mapsheet No. 2084 - Farlow St : MH #47 to #46 (180 DAYS)	0046/2084-0047/2084	180 DAYS	10/22/1997	282	564	564
R: Mapsheet No. 2084 - Farlow St : MH #47 to #46 (180 DAYS)	0043/2084-0046/2084	180 DAYS	10/22/1997	280	560	560
Summary for 'PM' = S10C00299				562	1,124	1,124
<b>PM S10C00328</b>						
R: Mapsheet No. 1977 - Iroquois Av. : Mh #641 to #608 (90 DAYS)	0610/1977-0641/1977	90 DAYS	12/6/1997	238	952	952
R: Mapsheet No. 1977 - Iroquois Av. : Mh #641 to #608 (90 DAYS)	0609/1977-0610/1977	90 DAYS	12/6/1997	239	956	956
R: Mapsheet No. 1977 - Iroquois Av. : Mh #641 to #608 (90 DAYS)	0608/1977-0609/1977	90 DAYS	12/6/1997	255	1,020	1,020
Summary for 'PM' = S10C00328				732	2,928	2,928
<b>PM S10C00329</b>						
R: Mapsheet No. 1977 - Hackett Av. : Mh #656 to #601 (120 DAYS)	0602/1977-0603/1977	120 DAYS	12/6/1997	321	963	963
R: Mapsheet No. 1977 - Hackett Av. : Mh #656 to #601 (120 DAYS)	0601/1977-0602/1977	120 DAYS	12/6/1997	246	738	738
R: Mapsheet No. 1977 - Hackett Av. : Mh #656 to #601 (120 DAYS)	0603/1977-0656/1977	120 DAYS	12/6/1997	321	963	963
Summary for 'PM' = S10C00329				888	2,664	2,664

# Periodics Report for City of Lakewood

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00330</b>						
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0212/1977-0213/1977	90 DAYS	12/1/1997	302	1,208	1,208
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0216/1977-0223/1977	90 DAYS	8/11/1997	107	428	428
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0215/1977-0216/1977	90 DAYS	8/11/1997	350	1,400	1,400
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0124/1977-0211/1977	90 DAYS	12/1/1997	302	1,208	1,208
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0211/1977-0212/1977	90 DAYS	12/1/1997	302	1,208	1,208
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0214/1977-0215/1977	90 DAYS	8/11/1997	372	1,488	1,488
R: Mapsheet No. 1977 - W/S Bellflower Blvd. : Mh #124 to #223 (90 DAY	0213/1977-0214/1977	90 DAYS	12/1/1997	372	1,488	1,488
Summary for 'PM' = S10C00330				2,107	8,428	8,428
<b>PM S10C00333</b>						
R: Mapsheet No. 1923 - Candlewood St. : Mh #380 to #547	0381/1923-0547/1923	120 DAYS	12/5/1997	306	918	918
R: Mapsheet No. 1923 - Candlewood St. : Mh #380 to #547	0380/1923-0381/1923	120 DAYS	12/5/1997	293	879	879
Summary for 'PM' = S10C00333				599	1,797	1,797
<b>PM S10C00334</b>						
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0222/2031-0223/2031	120 DAYS	12/14/1997	449	1,347	1,347
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0224/2031-0238/2031	120 DAYS	12/14/1997	241	723	723
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0144/2031-0220/2031	120 DAYS	12/14/1997	252	756	756
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0221/2031-0222/2031	120 DAYS	12/14/1997	304	912	912
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0223/2031-0224/2031	120 DAYS	12/14/1997	241	723	723
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0143/2031-0144/2031	120 DAYS	12/14/1997	300	900	900
R: Mapsheet No. 2031 - Carson St. : Mh #238 to #143 (120 DAYS)	0220/2031-0221/2031	120 DAYS	12/14/1997	107	321	321
Summary for 'PM' = S10C00334				1,894	5,682	5,682
<b>PM S10C00372</b>						
R: Mapsheet No. 2030 - 207th St - MH #380 to #404 (180 DAYS)	0380/2030-0404/2030	180 DAYS	11/4/1999	292	584	584
Summary for 'PM' = S10C00372				292	584	584
<b>PM S10C00380</b>						
R: Mapsheet No. 1923 - Hazelwood Av. : MH #637 to #640 (90 DAYS)	0639/1923-0640/1923	90 DAYS	7/3/1997	300	1,200	1,200
R: Mapsheet No. 1923 - Hazelwood Av. : MH #637 to #640 (90 DAYS)	0637/1923-0638/1923	90 DAYS	7/3/1997	335	1,340	1,340
R: Mapsheet No. 1923 - Hazelwood Av. : MH #637 to #640 (90 DAYS)	0638/1923-0639/1923	90 DAYS	7/3/1997	150	600	600
Summary for 'PM' = S10C00380				785	3,140	3,140

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Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00381</b>						
R: Mapsheet No. 1923 - R/W N/O Candlewood : MH #555 to 1977 : T/L *	0046/1977-TRNK/1977	90 DAYS	9/19/1997	304	1,216	1,216
R: Mapsheet No. 1923 - R/W N/O Candlewood : MH #555 to 1977 : T/L *	0046/1977-0555/1923	90 DAYS	9/19/1997	350	1,400	1,400
Summary for 'PM' = S10C00381				654	2,616	2,616
<b>PM S10C00385</b>						
R: Mapsheet No. 1977 - N/s Del Amo Blvd : MH #511 to #748 (180 DAYS	0747/1977-0748/1977	180 DAYS	2/18/1998	309	618	618
R: Mapsheet No. 1977 - N/s Del Amo Blvd : MH #511 to #748 (180 DAYS	0511/1977-0512/1977	180 DAYS	2/18/1998	327	654	654
R: Mapsheet No. 1977 - N/s Del Amo Blvd : MH #511 to #748 (180 DAYS	0512/1977-0747/1977	180 DAYS	2/18/1998	309	618	618
Summary for 'PM' = S10C00385				945	1,890	1,890
<b>PM S10C00392</b>						
R: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (90 DAY	0012/2083-0013/2083	90 DAYS	2/17/1998	346	1,384	1,384
R: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (90 DAY	0013/2083-0014/2083	90 DAYS	2/17/1998	354	1,416	1,416
R: Mapsheet No. 2083 - R/w w/o Hawaiian Ave : MH #12 to #15 (90 DAY	0014/2083-0015/2083	90 DAYS	2/17/1998	350	1,400	1,400
Summary for 'PM' = S10C00392				1,050	4,200	4,200
<b>PM S10C00401</b>						
R: Mapsheet No. 1923 - Hayter Ave : MH #372 to #427(90 DAYS)	0372/1923-0379/1923	90 DAYS	4/23/1998	295	1,180	1,180
R: Mapsheet No. 1923 - Hayter Ave : MH #372 to #427(90 DAYS)	0379/1923-0427/1923	90 DAYS	4/23/1998	339	1,356	1,356
Summary for 'PM' = S10C00401				634	2,536	2,536
<b>PM S10C00412</b>						
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0633/1923-0664/1923	90 DAYS	7/23/1997	286	1,144	1,144
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0630/1923-0631/1923	90 DAYS	7/23/1997	110	440	440
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0631/1923-0632/1923	90 DAYS	7/23/1997	320	1,280	1,280
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0632/1923-0633/1923	90 DAYS	7/23/1997	332	1,328	1,328
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0625/1923-0626/1923	90 DAYS	7/23/1997	287	1,148	1,148
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0628/1923-0629/1923	90 DAYS	7/23/1997	137	548	548
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0626/1923-0627/1923	90 DAYS	7/23/1997	350	1,400	1,400
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0629/1923-0630/1923	90 DAYS	7/23/1997	137	548	548
R: Mapsheet No. 1923 - Pepperwood Ave : MH #625 to #664 (90 DAYS)	0627/1923-0628/1923	90 DAYS	7/23/1997	128	512	512
Summary for 'PM' = S10C00412				2,087	8,348	8,348



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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00458</b>						
R: Mapsheet No.1924-R/W S/O Carson St. From MH 46 to MH 48 (90DAYS)	0046/1924-0047/1924	90 DAYS	9/28/2001	150	600	600
R: Mapsheet No.1924-R/W S/O Carson St. From MH 46 to MH 48 (90DAYS)	0047/1924-0048/1924	90 DAYS	9/28/2001	243	972	972
Summary for 'PM' = S10C00458				393	1,572	1,572
<b>PM S10C00644</b>						
R: Mapsheet No. 1923-Graywood Ave From MH 614 to MH 643 (90DAYS)	0614/1923-0642/1923	90 DAYS	6/1/2001	257	1,028	1,028
R: Mapsheet No. 1923-Graywood Ave From MH 614 to MH 643 (90DAYS)	0642/1923-0643/1923	90 DAYS	6/1/2001	223	892	892
Summary for 'PM' = S10C00644				480	1,920	1,920
<b>PM S10C00675</b>						
R: Mapsheet No.1923-Downey Rd. From Mh 326 to Mh 328 (90DAYS)	0326/1923-0327/1923	90 DAYS	11/4/2002	353	1,412	1,412
R: Mapsheet No.1923-Downey Rd. From Mh 326 to Mh 328 (90DAYS)	0327/1923-0328/1923	90 DAYS	11/4/2002	316	1,264	1,264
Summary for 'PM' = S10C00675				669	2,676	2,676
<b>PM S10C00678</b>						
R: Mapsheet No.1923-W/S Downey Ave From Mh 327 to Mh 727 (90DAYS)	0730/1923-0731/1923	90 DAYS	3/22/2003	235	940	940
R: Mapsheet No.1923-W/S Downey Ave From Mh 327 to Mh 727 (90DAYS)	0731/1923-0327/1923	90 DAYS	3/22/2003	88	352	352
R: Mapsheet No.1923-W/S Downey Ave From Mh 327 to Mh 727 (90DAYS)	0727/1923-0730/1923	90 DAYS	3/22/2003	151	604	604
Summary for 'PM' = S10C00678				474	1,896	1,896
<b>PM S10C00685</b>						
R: Mapsheet No.1977-Canehill From Mh 756 to Mh 813 (120 DAYS)	0757/1977-0813/1977	120 DAYS	11/18/2003	319	957	957
R: Mapsheet No.1977-Canehill From Mh 756 to Mh 813 (120 DAYS)	0756/1977-0757/1977	120 DAYS	11/18/2003	319	957	957
Summary for 'PM' = S10C00685				638	1,914	1,914
<b>PM S10C00691</b>						
R; Mapsheet No. 2031 - Pioneer Blvd. From MH 195 to MH 197 (90DAYS)	0196/2031-0197/2031	90 DAYS	1/28/2004	254	1,016	1,016
R; Mapsheet No. 2031 - Pioneer Blvd. From MH 195 to MH 197 (90DAYS)	0195/2031-0196/2031	90 DAYS	1/28/2004	254	1,016	1,016
Summary for 'PM' = S10C00691				508	2,032	2,032
<b>PM S10C00694</b>						
R; Mapsheet No. 1976 - R/W W/O Sunfield Ave. From Mh 113 to Mh 111 (	0112/1976-0113/1976	120 DAYS	7/14/2003	322	966	966
R; Mapsheet No. 1976 - R/W W/O Sunfield Ave. From Mh 113 to Mh 111 (	0111/1976-0112/1976	120 DAYS	7/14/2003	352	1,056	1,056
Summary for 'PM' = S10C00694				674	2,022	2,022

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10C00699</b>						
R; Mapsheet No. 1922 - R/W N/O Hedda St. From Mh 257 to Mh 310 (120	0257/1922-0310/1922	120 DAYS	8/2/2003	345	1,035	1,035
Summary for 'PM' = S10C00699				345	1,035	1,035
<b>PM S10C00700</b>						
RP; Mapsheet No. 1922 - R/W E/O GRAYWOOD AVE. FROM MH 257 TO M	0311/1922-0312/1922	18 MONTHS	2/27/2008	308	308	308
RP; Mapsheet No. 1922 - R/W E/O GRAYWOOD AVE. FROM MH 257 TO M	0257/1922-0311/1922	18 MONTHS	2/27/2008	335	335	335
Summary for 'PM' = S10C00700				643	643	643
<b>PM S10C00709</b>						
R; Mapsheet No. 1924 - Bouton Dr. From MH 195 to MH 213 (90DAYS)	0212/1924-0213/1924	90 DAYS	11/8/2004	287	1,148	1,148
R; Mapsheet No. 1924 - Bouton Dr. From MH 195 to MH 213 (90DAYS)	0196/1924-0212/1924	90 DAYS	11/8/2004	290	1,160	1,160
R; Mapsheet No. 1924 - Bouton Dr. From MH 195 to MH 213 (90DAYS)	0195/1924-0196/1924	90 DAYS	11/8/2004	291	1,164	1,164
Summary for 'PM' = S10C00709				868	3,472	3,472
<b>PM S10C00775</b>						
R; Mapsheet No. 1924 - Freckles Rd From Mh 143 to Mh 97 (90DAYS)	0097/1924-0143/1924	90 DAYS	4/21/2007	258	1,032	1,032
Summary for 'PM' = S10C00775				258	1,032	1,032
<b>PM S10C192301</b>						
R; Mapsheet No.1923 - Paramount Bld. From Mh 142 To 144 ( 60 DAYS)5	0142/1923-0143/1923	60 DAYS	12/21/2010	269	1,614	1,614
R; Mapsheet No.1923 - Paramount Bld. From Mh 142 To 144 ( 60 DAYS)5	0143/1923-0144/1923	60 DAYS	12/21/2010	263	1,578	1,578
Summary for 'PM' = S10C192301				532	3,192	3,192
<b>PM S10C197622</b>						
R; Mapsheet No. 1976 - Ibbetson Ave. From Mh 601 to 602 (90DAYS)352'	0601/1976-0602/1976	90 DAYS	11/9/2010	339	1,356	1,356
Summary for 'PM' = S10C197622				339	1,356	1,356

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0002</b>						
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0540/1977-0541/1977	18 MONTHS	8/21/1997	278	278	278
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0542/1977-0543/1977	18 MONTHS	8/21/1997	278	278	278
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0545/1977-0546/1977	18 MONTHS	8/21/1997	288	288	288
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0546/1977-0547/1977	18 MONTHS	8/21/1997	288	288	288
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0541/1977-0542/1977	18 MONTHS	8/21/1997	278	278	278
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0543/1977-0544/1977	18 MONTHS	8/21/1997	288	288	288
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0539/1977-0540/1977	18 MONTHS	8/21/1997	278	278	278
RP: Mapsheet No. 1977 - Woodruff Ave : MH 539 to Mh 547	0544/1977-0545/1977	18 MONTHS	8/21/1997	288	288	288
Summary for 'PM' = S10CR0002				2,264	2,264	2,264
<b>PM S10CR0004</b>						
RP: Mapsheet No. 1978 - Carfax Avenue : MH #186 to #249	0189/1978-0249/1978	18 MONTHS	4/11/2000	306	306	306
RP: Mapsheet No. 1978 - Carfax Avenue : MH #186 to #249	0188/1978-0189/1978	18 MONTHS	4/11/2000	306	306	306
RP: Mapsheet No. 1978 - Carfax Avenue : MH #186 to #249	0186/1978-0187/1978	18 MONTHS	4/11/2000	306	306	306
RP: Mapsheet No. 1978 - Carfax Avenue : MH #186 to #249	0187/1978-0188/1978	18 MONTHS	4/11/2000	306	306	306
Summary for 'PM' = S10CR0004				1,224	1,224	1,224
<b>PM S10CR0005</b>						
RP: Mapsheet No. 1923 - Silva St. : MH #63 to #65	0063/1923-0064/1923	18 MONTHS	4/11/2000	274	274	274
RP: Mapsheet No. 1923 - Silva St. : MH #63 to #65	0064/1923-0065/1923	18 MONTHS	4/11/2000	274	274	274
Summary for 'PM' = S10CR0005				548	548	548
<b>PM S10CR0010</b>						
RP: Mapsheet No. 1978 - W/S Woodruff Ave : MH #69 to #89	0071/1978-0072/1978	18 MONTHS	8/14/2001	296	296	296
RP: Mapsheet No. 1978 - W/S Woodruff Ave : MH #69 to #89	0069/1978-0070/1978	18 MONTHS	8/14/2001	296	296	296
RP: Mapsheet No. 1978 - W/S Woodruff Ave : MH #69 to #89	0072/1978-0089/1978	18 MONTHS	8/14/2001	296	296	296
RP: Mapsheet No. 1978 - W/S Woodruff Ave : MH #69 to #89	0070/1978-0071/1978	18 MONTHS	8/14/2001	296	296	296
Summary for 'PM' = S10CR0010				1,184	1,184	1,184
<b>PM S10CR0011</b>						
RP: Mapsheet No. 1978 - San Anseline Ave : MH #37 to #47	0037/1978-0038/1978	18 MONTHS	1/11/2000	279	279	279
RP: Mapsheet No. 1978 - San Anseline Ave : MH #37 to #47	0039/1978-0047/1978	18 MONTHS	1/11/2000	279	279	279
RP: Mapsheet No. 1978 - San Anseline Ave : MH #37 to #47	0038/1978-0039/1978	18 MONTHS	1/11/2000	279	279	279
Summary for 'PM' = S10CR0011				837	837	837

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0012</b>						
RP: Mapsheet No. 1977 - Hersholt Ave : MH #87 to #91	0090/1977-0091/1977	18 MONTHS	2/9/2000	361	361	361
RP: Mapsheet No. 1977 - Hersholt Ave : MH #87 to #91	0087/1977-0088/1977	18 MONTHS	2/9/2000	323	323	323
RP: Mapsheet No. 1977 - Hersholt Ave : MH #87 to #91	0088/1977-0089/1977	18 MONTHS	2/9/2000	361	361	361
RP: Mapsheet No. 1977 - Hersholt Ave : MH #87 to #91	0089/1977-0090/1977	18 MONTHS	2/9/2000	361	361	361
Summary for 'PM' = S10CR0012				1,406	1,406	1,406
<b>PM S10CR0013</b>						
RP: Mapsheet No. 1977 - Woodruff Ave : MH #338 to #341	0339/1977-0340/1977	18 MONTHS	3/22/2000	248	248	248
RP: Mapsheet No. 1977 - Woodruff Ave : MH #338 to #341	0338/1977-0339/1977	18 MONTHS	3/22/2000	248	248	248
RP: Mapsheet No. 1977 - Woodruff Ave : MH #338 to #341	0340/1977-0341/1977	18 MONTHS	3/22/2000	248	248	248
Summary for 'PM' = S10CR0013				744	744	744
<b>PM S10CR0017</b>						
RP: Mapsheet No. 1924 - Harvey Way : MH #132 to #95	0132/1924-0133/1924	18 MONTHS	12/29/1999	242	242	242
RP: Mapsheet No. 1924 - Harvey Way : MH #132 to #95	0133/1924-0134/1924	18 MONTHS	12/29/1999	242	242	242
RP: Mapsheet No. 1924 - Harvey Way : MH #132 to #95	0095/1924-0134/1924	18 MONTHS	12/29/1999	242	242	242
Summary for 'PM' = S10CR0017				726	726	726
<b>PM S10CR0019</b>						
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0219/1924-0220/1924	12 MONTHS	8/7/2008	196	196	196
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0215/1924-0216/1924	12 MONTHS	8/7/2008	40	40	40
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0218/1924-0219/1924	12 MONTHS	8/7/2008	195	195	195
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0214/1924-0215/1924	12 MONTHS	8/7/2008	239	239	239
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0217/1924-0218/1924	12 MONTHS	8/7/2008	220	220	220
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0216/1924-0217/1924	12 MONTHS	8/7/2008	180	180	180
RP: Mapsheet No. 1924 - Fleethaven Rd. : MH #220 to #213(12 Mths.)	0213/1924-0214/1924	12 MONTHS	8/7/2008	267	267	267
Summary for 'PM' = S10CR0019				1,337	1,337	1,337



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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0020</b>						
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0205/1924-0206/1924	18 MONTHS	3/28/2000	262	262	262
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0203/1924-0204/1924	18 MONTHS	3/28/2000	232	232	232
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0206/1924-0221/1924	18 MONTHS	3/28/2000	118	118	118
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0202/1924-0203/1924	18 MONTHS	3/28/2000	198	198	198
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0220/1924-0221/1924	18 MONTHS	3/28/2000	120	120	120
RP: Mapsheet No. 1924 - Ann Arbor Rd. : MH #220 to #202(18 Mths)	0204/1924-0205/1924	18 MONTHS	3/28/2000	232	232	232
Summary for 'PM' = S10CR0020				1,162	1,162	1,162
<b>PM S10CR0021</b>						
RP: Mapsheet No. 1923 - Barlin Av. : MH #416 to #444	0416/1923-0417/1923	18 MONTHS	12/28/1999	362	362	363
RP: Mapsheet No. 1923 - Barlin Av. : MH #416 to #444	0417/1923-0418/1923	18 MONTHS	12/28/1999	241	241	241
RP: Mapsheet No. 1923 - Barlin Av. : MH #416 to #444	0418/1923-0444/1923	18 MONTHS	12/28/1999	241	241	241
Summary for 'PM' = S10CR0021				844	844	845
<b>PM S10CR0022</b>						
RP: Mapsheet No. 1977 - Conquista Ave : MH #829 to #766	0767/1977-0768/1977	18 MONTHS	2/8/2000	263	263	263
RP: Mapsheet No. 1977 - Conquista Ave : MH #829 to #766	0768/1977-0829/1977	18 MONTHS	2/8/2000	226	226	226
RP: Mapsheet No. 1977 - Conquista Ave : MH #829 to #766	0766/1977-0767/1977	18 MONTHS	2/8/2000	277	277	277
Summary for 'PM' = S10CR0022				766	766	766
<b>PM S10CR0023</b>						
RP: Mapsheet No. 1923 - Dollar St. : MH #150 to #176	0174/1923-0175/1923	18 MONTHS	12/15/1999	345	345	345
RP: Mapsheet No. 1923 - Dollar St. : MH #150 to #176	0150/1923-0174/1923	18 MONTHS	12/15/1999	345	345	345
RP: Mapsheet No. 1923 - Dollar St. : MH #150 to #176	0175/1923-0176/1923	18 MONTHS	12/15/1999	345	345	345
Summary for 'PM' = S10CR0023				1,035	1,035	1,035
<b>PM S10CR0028</b>						
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0432/1977-0433/1977	18 MONTHS	2/15/2000	303	303	303
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0433/1977-0434/1977	18 MONTHS	2/15/2000	303	303	303
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0434/1977-0435/1977	18 MONTHS	2/15/2000	311	311	311
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0431/1977-0432/1977	18 MONTHS	2/15/2000	303	303	303
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0435/1977-0436/1977	18 MONTHS	2/15/2000	311	311	311
RP: Mapsheet No. 1977 - Woodruff Ave : MH #431 to #437	0436/1977-0437/1977	18 MONTHS	2/15/2000	311	311	311
Summary for 'PM' = S10CR0028				1,842	1,842	1,842

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Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0031</b>						
RP: Mapsheet No. 1923 - Paramount Blvd. : MH #238 to #241	0240/1923-0241/1923	18 MONTHS	12/29/1999	331	331	
RP: Mapsheet No. 1923 - Paramount Blvd. : MH #238 to #241	0238/1923-0239/1923	18 MONTHS	12/29/1999	331	331	
RP: Mapsheet No. 1923 - Paramount Blvd. : MH #238 to #241	0239/1923-0240/1923	18 MONTHS	12/29/1999	331	331	
Summary for 'PM' = S10CR0031				993	993	
<b>PM S10CR0032</b>						
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0293/1923-0294/1923	18 MONTHS	12/21/1999	347	347	347
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0292/1923-0293/1923	18 MONTHS	12/21/1999	347	347	347
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0511/1923-0512/1923	18 MONTHS	12/21/1999	302	302	302
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0510/1923-0511/1923	18 MONTHS	12/21/1999	302	302	302
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0508/1923-0509/1923	18 MONTHS	12/21/1999	347	347	347
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0509/1923-0510/1923	18 MONTHS	12/21/1999	347	347	347
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0472/1923-0512/1923	18 MONTHS	12/21/1999	300	300	300
RP: Mapsheet No. 1923 - Centralia Street : MH #292 to #472 (18 Mths )	0294/1923-0508/1923	18 MONTHS	12/21/1999	347	347	347
Summary for 'PM' = S10CR0032				2,639	2,639	2,639
<b>PM S10CR0033</b>						
RP: Mapsheet No. 1923 - Centralia Street : MH #510 to #472	0510/1923-0511/1923	18 MONTHS	12/21/1999	302	302	302
RP: Mapsheet No. 1923 - Centralia Street : MH #510 to #472	0472/1923-0512/1923	18 MONTHS	12/21/1999	300	300	300
RP: Mapsheet No. 1923 - Centralia Street : MH #510 to #472	0511/1923-0512/1923	18 MONTHS	12/21/1999	302	302	302
Summary for 'PM' = S10CR0033				904	904	904
<b>PM S10CR0034</b>						
RP: Mapsheet No. 1923 - Greentop Avenue : MH #241 to #115	0115/1923-0116/1923	18 MONTHS	12/7/1999	248	248	248
RP: Mapsheet No. 1923 - Greentop Avenue : MH #241 to #115	0116/1923-0241/1923	18 MONTHS	12/7/1999	248	248	248
Summary for 'PM' = S10CR0034				496	496	496
<b>PM S10CR0035</b>						
RP: Mapsheet No. 1923 - Greentop Avenue : MH #251 to #309	0251/1923-0309/1923	18 MONTHS	12/9/1999	325	325	325
Summary for 'PM' = S10CR0035				325	325	325
<b>PM S10CR0036</b>						
RP: Mapsheet No. 1923 - Dashwood Street : MH #179 to #181	0180/1923-0181/1923	18 MONTHS	12/9/1999	339	339	339
RP: Mapsheet No. 1923 - Dashwood Street : MH #179 to #181	0179/1923-0180/1923	18 MONTHS	12/9/1999	339	339	339
Summary for 'PM' = S10CR0036				678	678	678

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Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0037</b>						
RP: Mapsheet No. 1923 - Levelside Drive : MH #258 to 1924 #102 *	0259/1923-0260/1923	18 MONTHS	12/15/1999	351	351	351
RP: Mapsheet No. 1923 - Levelside Drive : MH #258 to 1924 #102 *	0260/1923-0261/1923	18 MONTHS	12/15/1999	255	255	255
RP: Mapsheet No. 1923 - Levelside Drive : MH #258 to 1924 #102 *	0258/1923-0259/1923	18 MONTHS	12/15/1999	280	280	280
RP: Mapsheet No. 1923 - Levelside Drive : MH #258 to 1924 #102 *	0101/1924-0261/1923	18 MONTHS	12/15/1999	200	200	200
RP: Mapsheet No. 1923 - Levelside Drive : MH #258 to 1924 #102 *	0101/1924-0102/1924	18 MONTHS	12/15/1999	213	213	213
Summary for 'PM' = S10CR0037				1,299	1,299	1,299
<b>PM S10CR0038</b>						
RP: Mapsheet No. 1924 - Warwood Road : MH #135 to #96	0135/1924-0136/1924	18 MONTHS	12/29/1999	242	242	242
RP: Mapsheet No. 1924 - Warwood Road : MH #135 to #96	0136/1924-0137/1924	18 MONTHS	12/29/1999	242	242	242
RP: Mapsheet No. 1924 - Warwood Road : MH #135 to #96	0096/1924-0137/1924	18 MONTHS	12/29/1999	242	242	242
Summary for 'PM' = S10CR0038				726	726	726
<b>PM S10CR0042</b>						
RP: Mapsheet No. 1977 - Snowden Avenue : MH #521 to #581	0521/1977-0556/1977	18 MONTHS	2/8/2000	319	319	319
RP: Mapsheet No. 1977 - Snowden Avenue : MH #521 to #581	0558/1977-0581/1977	18 MONTHS	2/8/2000	319	319	319
RP: Mapsheet No. 1977 - Snowden Avenue : MH #521 to #581	0556/1977-0557/1977	18 MONTHS	2/8/2000	319	319	319
RP: Mapsheet No. 1977 - Snowden Avenue : MH #521 to #581	0557/1977-0558/1977	18 MONTHS	2/8/2000	319	319	319
Summary for 'PM' = S10CR0042				1,276	1,276	1,276
<b>PM S10CR0043</b>						
RP: Mapsheet No. 1977 - Josie Avenue : MH #793 to #833	0793/1977-0794/1977	18 MONTHS	2/15/2000	311	311	311
RP: Mapsheet No. 1977 - Josie Avenue : MH #793 to #833	0794/1977-0833/1977	18 MONTHS	2/15/2000	311	311	311
Summary for 'PM' = S10CR0043				622	622	622
<b>PM S10CR0044</b>						
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0090/1923-0091/1923	18 MONTHS	12/16/1999	254	254	254
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0092/1923-0093/1923	18 MONTHS	12/16/1999	249	249	249
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0094/1923-0112/1923	18 MONTHS	12/16/1999	249	249	249
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0093/1923-0094/1923	18 MONTHS	12/16/1999	249	249	249
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0091/1923-0092/1923	18 MONTHS	12/16/1999	254	254	254
RP: Mapsheet No. 1923 - Pixie Av. : MH #109 to #112	0090/1923-0109/1923	18 MONTHS	12/16/1999	254	254	254
Summary for 'PM' = S10CR0044				1,509	1,509	1,509

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Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0045</b>						
RP: Mapsheet No. 1978 - Harvey Way : MH 17 to MH 21	0020/1978-0021/1978	18 MONTHS	3/28/2000	216	216	216
RP: Mapsheet No. 1978 - Harvey Way : MH 17 to MH 21	0018/1978-0019/1978	18 MONTHS	3/28/2000	107	107	107
RP: Mapsheet No. 1978 - Harvey Way : MH 17 to MH 21	0017/1978-0018/1978	18 MONTHS	3/28/2000	246	246	246
RP: Mapsheet No. 1978 - Harvey Way : MH 17 to MH 21	0019/1978-0020/1978	18 MONTHS	3/28/2000	185	185	185
	Summary for 'PM' = S10CR0045			754	754	754
<b>PM S10CR0046</b>						
RP: Mapsheet No. 1977 - Iroquois Avenue : MH #702 to #718	0680/1977-0702/1977	18 MONTHS	2/14/2000	296	296	296
RP: Mapsheet No. 1977 - Iroquois Avenue : MH #702 to #718	0680/1977-0718/1977	18 MONTHS	2/14/2000	296	296	296
	Summary for 'PM' = S10CR0046			592	592	592
<b>PM S10CR0047</b>						
RP: Mapsheet No. 1977 - Rachel Avenue : MH #734 to #743	0734/1977-0744/1977	18 MONTHS	2/14/2000	215	215	215
RP: Mapsheet No. 1977 - Rachel Avenue : MH #734 to #743	0743/1977-0744/1977	18 MONTHS	2/14/2000	215	215	215
	Summary for 'PM' = S10CR0047			430	430	430
<b>PM S10CR0048</b>						
RP: Mapsheet No. 1977 - Ocana Avenue : MH #174 to #414	0414/1977-0842/1977	18 MONTHS	2/14/2000	201	201	201
RP: Mapsheet No. 1977 - Ocana Avenue : MH #174 to #414	0174/1977-0175/1977	18 MONTHS	2/14/2000	297	297	297
RP: Mapsheet No. 1977 - Ocana Avenue : MH #174 to #414	0175/1977-0842/1977	18 MONTHS	2/14/2000	191	191	191
	Summary for 'PM' = S10CR0048			689	689	689
<b>PM S10CR0049</b>						
RP: Mapsheet No. 1977 - Henrilee Street : MH #824 to #767	0767/1977-0825/1977	18 MONTHS	2/10/2000	312	312	312
RP: Mapsheet No. 1977 - Henrilee Street : MH #824 to #767	0824/1977-0825/1977	18 MONTHS	2/10/2000	312	312	312
	Summary for 'PM' = S10CR0049			624	624	624
<b>PM S10CR0050</b>						
RP: Mapsheet No. 1978 - Knoxville Avenue : MH #234 to #255	0234/1978-0235/1978	18 MONTHS	1/10/2000	328	328	328
RP: Mapsheet No. 1978 - Knoxville Avenue : MH #234 to #255	0236/1978-0255/1978	18 MONTHS	1/10/2000	328	328	328
RP: Mapsheet No. 1978 - Knoxville Avenue : MH #234 to #255	0235/1978-0236/1978	18 MONTHS	1/10/2000	328	328	328
	Summary for 'PM' = S10CR0050			984	984	984
<b>PM S10CR0051</b>						
RP: Mapsheet No. 1978 - Harvey Way : MH #19 to #20	0019/1978-0020/1978	18 MONTHS	3/28/2000	185	185	185
	Summary for 'PM' = S10CR0051			185	185	185



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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0142</b>						
RP: Mapsheet No. 1977 - Ocana Avenue : MH #171 to #173	0172/1977-0173/1977	18 MONTHS		186	186	186
RP: Mapsheet No. 1977 - Ocana Avenue : MH #171 to #173	0171/1977-0172/1977	18 MONTHS		264	264	264
	Summary for 'PM' = S10CR0142			450	450	450
<b>PM S10CR0143</b>						
RP: Mapsheet No. 1977 - E/S Bellflower Blvd : MH #127 to #130	0129/1977-0130/1977	18 MONTHS	1/29/2004	363	363	363
RP: Mapsheet No. 1977 - E/S Bellflower Blvd : MH #127 to #130	0128/1977-0129/1977	18 MONTHS	1/29/2004	363	363	363
RP: Mapsheet No. 1977 - E/S Bellflower Blvd : MH #127 to #130	0127/1977-0128/1977	18 MONTHS	1/29/2004	363	363	363
	Summary for 'PM' = S10CR0143			1,089	1,089	1,089
<b>PM S10CR0146</b>						
RP: Mapsheet No. 1977 - Hersholt Ave : Mh 43 to Mh 87(18 Monrhs)	0086/1977-0087/1977	18 MONTHS		323		323
RP: Mapsheet No. 1977 - Hersholt Ave : Mh 43 to Mh 87(18 Monrhs)	0043/1977-0086/1977	18 MONTHS		323		323
	Summary for 'PM' = S10CR0146			646		646
<b>PM S10CR0147</b>						
RP: Mapsheet No. 1924 -Paramount Bl. Mh 79 to Mh 84	0080/1924-0081/1924	18 MONTHS	2/8/2008	340	340	340
RP: Mapsheet No. 1924 -Paramount Bl. Mh 79 to Mh 84	0083/1924-0084/1924	18 MONTHS	2/8/2008	273	273	273
RP: Mapsheet No. 1924 -Paramount Bl. Mh 79 to Mh 84	0079/1924-0080/1924	18 MONTHS	2/8/2008	340	340	340
RP: Mapsheet No. 1924 -Paramount Bl. Mh 79 to Mh 84	0082/1924-0083/1924	18 MONTHS	2/8/2008	273	273	273
RP: Mapsheet No. 1924 -Paramount Bl. Mh 79 to Mh 84	0081/1924-0082/1924	18 MONTHS	2/8/2008	273	273	273
	Summary for 'PM' = S10CR0147			1,499	1,499	1,499
<b>PM S10CR0150</b>						
RP: Mapsheet No.1977- Hersholt Ave : MH #91 to #101	0091/1977-0101/1977	18 MONTHS		174	174	
	Summary for 'PM' = S10CR0150			174	174	
<b>PM S10CR0232</b>						
RP: Mapsheet No.1924-R/W E/O Fleet Haven From Mh 219 to Mh 207	0207/1924-0209/1924	18 MONTHS	5/7/2002	201	201	201
RP: Mapsheet No.1924-R/W E/O Fleet Haven From Mh 219 to Mh 207	0209/1924-0219/1924	18 MONTHS	5/7/2002	137	137	137
	Summary for 'PM' = S10CR0232			338	338	338
<b>PM S10CR0242</b>						
RP: Mapsheet No.1976-R/W E/O Dashwood Ave From Mh 205 to Mh 142	0141/1976-0142/1976	18 MONTHS	7/24/2002	350	350	350
RP: Mapsheet No.1976-R/W E/O Dashwood Ave From Mh 205 to Mh 142	0141/1976-0205/1976	18 MONTHS	7/24/2002	320	320	320
	Summary for 'PM' = S10CR0242			670	670	670

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0245</b>						
RP: Mapsheet No.1923-Olivia Ave From Mh 483 to Mh 459	0481/1923-0482/1923	18 MONTHS	7/25/2002	316	316	316
RP: Mapsheet No.1923-Olivia Ave From Mh 483 to Mh 459	0459/1923-0480/1923	18 MONTHS	7/25/2002	316	316	316
RP: Mapsheet No.1923-Olivia Ave From Mh 483 to Mh 459	0482/1923-0483/1923	18 MONTHS	7/25/2002	296	296	296
RP: Mapsheet No.1923-Olivia Ave From Mh 483 to Mh 459	0480/1923-0481/1923	18 MONTHS	7/25/2002	316	316	316
Summary for 'PM' = S10CR0245				1,244	1,244	1,244
<b>PM S10CR0246</b>						
RP: Mapsheet No.1976-Arabella St.From Mh 656 to Mh 652	0652/1976-0653/1976	18 MONTHS	7/25/2002	318	318	318
RP: Mapsheet No.1976-Arabella St.From Mh 656 to Mh 652	0654/1976-0655/1976	18 MONTHS	7/25/2002	305	305	
RP: Mapsheet No.1976-Arabella St.From Mh 656 to Mh 652	0655/1976-0656/1976	18 MONTHS	7/25/2002	120	120	
RP: Mapsheet No.1976-Arabella St.From Mh 656 to Mh 652	0653/1976-0654/1976	18 MONTHS	7/25/2002	123	123	
Summary for 'PM' = S10CR0246				866	866	318
<b>PM S10CR0254</b>						
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0221/1977-0222/1977	15 MONTHS	9/5/2002	350		350
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0219/1977-0220/1977	15 MONTHS	9/5/2002	350		350
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0133/1977-0217/1977	15 MONTHS	9/5/2002	302		302
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0220/1977-0221/1977	15 MONTHS	9/5/2002	350		350
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0217/1977-0218/1977	15 MONTHS	9/5/2002	302		302
RP: Mapsheet No.1977-E/S Bellflower Blvd From MH 133 to MH 222	0218/1977-0219/1977	15 MONTHS	9/5/2002	302		302
Summary for 'PM' = S10CR0254				1,956		1,956
<b>PM S10CR0289</b>						
RP: Mapsheet No.1976-Ashworth St. From Mh 73 to Mh 74	0073/1976-0074/1976	18 MONTHS	8/10/2002	361	361	361
Summary for 'PM' = S10CR0289				361	361	361
<b>PM S10CR0290</b>						
RP: Mapsheet No.1923-Castana Av. : MH #437 to #450	0437/1923-0438/1923	18 MONTHS	9/9/2002	274	274	274
RP: Mapsheet No.1923-Castana Av. : MH #437 to #450	0438/1923-0450/1923	18 MONTHS	9/9/2002	226	226	226
Summary for 'PM' = S10CR0290				500	500	500
<b>PM S10CR0296</b>						
RP: Mapsheet No.1923-Paramount Blvd. From Mh 142 to Mh 144	0143/1923-0144/1923	18 MONTHS	1/29/2004	263	263	263
RP: Mapsheet No.1923-Paramount Blvd. From Mh 142 to Mh 144	0142/1923-0143/1923	18 MONTHS	1/29/2004	269	269	269
Summary for 'PM' = S10CR0296				532	532	532

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DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0297</b>						
RP: Mapsheet No.1924-R/W S/O Carson St. : MH #172 to MH #170(12 M	0171/1924-0172/1924	12 MONTHS	2/5/2008	350	350	350
RP: Mapsheet No.1924-R/W S/O Carson St. : MH #172 to MH #170(12 M	0170/1924-0171/1924	12 MONTHS	2/5/2008	350	350	350
Summary for 'PM' = S10CR0297				700	700	700
<b>PM S10CR0298</b>						
RP: Mapsheet No.1923-Fairman St. From Mh 295 to Mh 297	0295/1923-0296/1923	18 MONTHS	11/18/2002	325	325	325
RP: Mapsheet No.1923-Fairman St. From Mh 295 to Mh 297	0296/1923-0297/1923	18 MONTHS	11/18/2002	325	325	325
Summary for 'PM' = S10CR0298				650	650	650
<b>PM S10CR0314</b>						
RP: Mapsheet No.1977-W/S Bellflower From MH 120 to MH 189	0121/1977-0122/1977	18 MONTHS	1/9/2003	371	371	
RP: Mapsheet No.1977-W/S Bellflower From MH 120 to MH 189	0123/1977-0189/1977	18 MONTHS	1/9/2003	257	257	257
RP: Mapsheet No.1977-W/S Bellflower From MH 120 to MH 189	0120/1977-0121/1977	18 MONTHS	1/9/2003	366	366	
RP: Mapsheet No.1977-W/S Bellflower From MH 120 to MH 189	0122/1977-0123/1977	18 MONTHS	1/9/2003	371	371	
Summary for 'PM' = S10CR0314				1,365	1,365	257
<b>PM S10CR0317</b>						
RP: Mapsheet No.1923-Fairway Dr. From Mh 312 to Mh 122 in C-1924	0121/1924-0313/1923	18 MONTHS	11/18/2002	382	382	382
RP: Mapsheet No.1923-Fairway Dr. From Mh 312 to Mh 122 in C-1924	0312/1923-0313/1923	18 MONTHS	11/18/2002	351	351	351
RP: Mapsheet No.1923-Fairway Dr. From Mh 312 to Mh 122 in C-1924	0121/1924-0122/1924	18 MONTHS	11/18/2002	277	277	277
Summary for 'PM' = S10CR0317				1,010	1,010	1,010
<b>PM S10CR0331</b>						
RP: Mapsheet No.1976-S/S Ashworth From Mh 75 to Mh 76	0075/1976-0076/1976	18 MONTHS	8/18/2003	283	283	283
Summary for 'PM' = S10CR0331				283	283	283
<b>PM S10CR0332</b>						
RP: Mapsheet No.1977-Daneland From Mh 468 to Mh 470	0468/1977-0469/1977	18 MONTHS	8/18/2003	254	254	254
RP: Mapsheet No.1977-Daneland From Mh 468 to Mh 470	0469/1977-0470/1977	18 MONTHS	8/18/2003	254	254	254
Summary for 'PM' = S10CR0332				508	508	508

# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0335</b>						
RP: Mapsheet No.1923-Pimenta Ave. From Mh 675 to Mh 670	0670/1923-0672/1923	18 MONTHS	8/25/2003	316	316	316
RP: Mapsheet No.1923-Pimenta Ave. From Mh 675 to Mh 670	0673/1923-0674/1923	18 MONTHS	8/25/2003	316	316	316
RP: Mapsheet No.1923-Pimenta Ave. From Mh 675 to Mh 670	0672/1923-0673/1923	18 MONTHS	8/25/2003	316	316	316
RP: Mapsheet No.1923-Pimenta Ave. From Mh 675 to Mh 670	0674/1923-0675/1923	18 MONTHS	8/25/2003	296	296	296
Summary for 'PM' = S10CR0335				1,244	1,244	1,244
<b>PM S10CR0341</b>						
RP: Mapsheet No.1924-Country Club Dr. From Mh 192 to Mh 531 in C-192	0191/1924-0192/1924	18 MONTHS	10/8/2003	275	275	275
RP: Mapsheet No.1924-Country Club Dr. From Mh 192 to Mh 531 in C-192	0191/1924-0531/1923	18 MONTHS	10/8/2003	322	322	322
Summary for 'PM' = S10CR0341				597	597	597
<b>PM S10CR0342</b>						
RP: Mapsheet No.1923-Centralia From MH 289 to MH 247	0290/1923-0291/1923	18 MONTHS	10/8/2003	337	337	337
RP: Mapsheet No.1923-Centralia From MH 289 to MH 247	0289/1923-0290/1923	18 MONTHS	10/8/2003	337	337	337
RP: Mapsheet No.1923-Centralia From MH 289 to MH 247	0247/1923-0291/1923	18 MONTHS	10/8/2003	337	337	337
Summary for 'PM' = S10CR0342				1,011	1,011	1,011
<b>PM S10CR0343</b>						
RP: Mapsheet No.1922-R/W E/O Bonfair From Mh 285 to Mh 244	0244/1922-0285/1922	18 MONTHS	10/1/2003	319	319	319
Summary for 'PM' = S10CR0343				319	319	319
<b>PM S10CR0344</b>						
RP: Mapsheet No.1976-Fanwood Ave. From Mh 628 to Mh 347 in C-1977	0347/1977-0630/1976	18 MONTHS	10/1/2003	385	385	385
RP: Mapsheet No.1976-Fanwood Ave. From Mh 628 to Mh 347 in C-1977	0628/1976-0629/1976	18 MONTHS	10/1/2003	266	266	266
RP: Mapsheet No.1976-Fanwood Ave. From Mh 628 to Mh 347 in C-1977	0629/1976-0630/1976	18 MONTHS	10/1/2003	350	350	350
Summary for 'PM' = S10CR0344				1,001	1,001	1,001
<b>PM S10CR0378</b>						
RP: Mapsheet No.1924-R/W N/O Annapolis Rd. From Mh 217 to Mh 197	0197/1924-0217/1924	18 MONTHS	1/28/2004	221	221	221
Summary for 'PM' = S10CR0378				221	221	221



# Periodics Report for City of Lakewood

Year 2011 - Year 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	Y2011	Y2012
<b>PM S10CR0381</b>						
RP: Mapsheet No.1924-R/W W/O Fleethaven Rd. Mh 200 to Mh 208	0197/1924-0208/1924	18 MONTHS	1/28/2004	190	190	190
RP: Mapsheet No.1924-R/W W/O Fleethaven Rd. Mh 200 to Mh 208	0198/1924-0199/1924	18 MONTHS	1/28/2004	282	282	282
RP: Mapsheet No.1924-R/W W/O Fleethaven Rd. Mh 200 to Mh 208	0199/1924-0200/1924	18 MONTHS	1/28/2004	305	305	305
RP: Mapsheet No.1924-R/W W/O Fleethaven Rd. Mh 200 to Mh 208	0197/1924-0198/1924	18 MONTHS	1/28/2004	238	238	238
Summary for 'PM' = S10CR0381				1,015	1,015	1,015
<b>PM S10CR0382</b>						
RP: Mapsheet No.1922-r/w w/oPepperwood Ave. Mh 252 to Mh 280	0279/1922-0280/1922	18 MONTHS	1/22/2004	338	338	338
RP: Mapsheet No.1922-r/w w/oPepperwood Ave. Mh 252 to Mh 280	0278/1922-0279/1922	18 MONTHS	1/22/2004	275	275	275
RP: Mapsheet No.1922-r/w w/oPepperwood Ave. Mh 252 to Mh 280	0277/1922-0278/1922	18 MONTHS	1/22/2004	264	264	264
RP: Mapsheet No.1922-r/w w/oPepperwood Ave. Mh 252 to Mh 280	0252/1922-0277/1922	18 MONTHS	1/22/2004	134	134	134
Summary for 'PM' = S10CR0382				1,011	1,011	1,011
<b>PM S10CR0386</b>						
RP: Mapsheet No. 1922 - R/W E/O GRAYWOOD AVE. FROM MH 310 TO M	0309/1922-0310/1922	18 MONTHS	11/7/2002	312	312	312
Summary for 'PM' = S10CR0386				312	312	312
<b>Total Pipe Length:</b>				<b>112,797 ft / 21.36 mile</b>		

ENCLOSURE 6:

City of Lakewood

5 Year CSMD

Expenditure Report

**Expenditure within the City of Lakewood  
Fiscal Year 2007-08 to Fiscal Year 2011-12**

Service Type	Fiscal Year 2007-08	Fiscal Year 2008-09	Fiscal Year 2009-10	Fiscal Year 2010-11	Fiscal Year 2011-12
Maintenance	381,399.91	397,737.75	465,460.97	569,303.32	384,732.70
Repair	65,450.90	60,401.28	49,360.43	36,296.26	42,866.53
Condition Assessment	191,680.52	223,392.17	46,492.48	334,871.65	45,266.23
Pump Station	33,756.80	33,926.64	32,618.01	33,996.55	33,874.40
Accumulative Capital Outlay Project	-	8,500.00	12,500.00	-	-
Administration	214,422.76	216,263.77	283,667.93	279,416.82	266,140.97
<b>Total Cost for the City of Lakewood</b>	<b>886,710.89</b>	<b>940,221.61</b>	<b>890,099.82</b>	<b>1,253,884.60</b>	<b>772,880.84</b>
<b>Total Sewer Service Charge Revenue</b>	<b>1,004,650.00</b>	<b>1,140,399.00</b>	<b>1,136,814.75</b>	<b>1,159,272.00</b>	<b>1,158,522.75</b>