



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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December 3, 2014

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

Mr. Christopher S. Cash
Director of Public Works
City of Paramount
15300 Downey Avenue
Paramount, CA 90723

Attention Mr. Bill Pagett

Dear Mr. Cash:

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT NO. Y0TV0809B**

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has recently completed the closed-circuit television (CCTV) inspection of 109,265 feet or 33.4 percent of the City of Paramount's sewer system.

The enclosed report outlines the findings and recommendations for your system based on the Pipeline Assessment and Certification Program's (PACP Version 6.0.1) rating methodology. Included in the report are the following:

- Condition Assessment Report
- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Report Priority List and Quick Maintenance Rating Map (Enclosure 2)
- High Water Level List and Map (Enclosure 2)
- Quick Structural Rating Report Priority List, Quick Structural Rating Map, and Lining and Point Repair Projects Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Mr. Christopher S. Cash
December 3, 2014
Page 2

The Condition Assessment Report provides details regarding the maintenance and structural condition of your City's sewer mainlines. This information should be included in your agency's Sewer System Management Plan as a reference in Chapter 8.0 System Evaluation and Capacity Assurance Plan. The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of our ongoing Accumulative Capital Outlay Project.

If you have any questions regarding this report or the Condition Assessment Program, please contact Mr. Robert Swartz, Sewer Maintenance Division, at (626) 300-3367, Monday through Friday, 8 a.m. to 4 p.m., or rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works



 DANIEL J. LAFFERTY
Assistant Deputy Director
Sewer Maintenance Division

EL:sb

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Enc.

bc: DJL, MM, FV, File (Condition Assessment Report), SPINDLE

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

PROJECT NAME:	Y0TV0809B	PROJECT MGR:	Kari Eskridge
PROJECT DATE:	01/23/2009	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	4	MAP PAGE(S):	1867, 1921, 1912
Report By:	Eric Liu	Report Date:	10/25/2014

INTRODUCTION

As part of our Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 109,265 feet or 33.4 percent of the City of Paramount's (City) sewer system as part of this condition assessment report. The remaining 66.6 percent of the City's sewer system has recently been inspected with the report currently in progress. We anticipate completing the report by June 2015.

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP Version 6.0.1) Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project No. Y0TV0809B included sewer lines located in the unincorporated County of Los Angeles and the Cities of Artesia, Bell Gardens, Bellflower, Commerce, Lakewood, and Paramount. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects while a grade of 5 indicates that a pipe segment may require immediate attention. A detailed breakdown of the five possible defect grades is as follows:

Grade	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

MAINTENANCE REPORT

Our inspection revealed that approximately 81.4 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 18.6 percent of the inspected pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our enhanced cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

In addition, a color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	2,285	2.1	12
2: Minor to Moderate	86,632	79.3	354
3: Moderate	12,987	11.9	54
4: Significant	4,865	4.4	23
5: Most Significant	2,496	2.3	10
TOTAL	109,265	100.0	454

Lateral Notices

Also included on the Quick Maintenance Rating Report Priority List are deficiencies discovered inside the private lateral connections to the mainline. The District does not maintain lateral lines. It is the responsibility of the property owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. For this project, 6 notices have been sent to property owners in your City notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

High Water Levels

Our inspection revealed that approximately 92.5 percent of the segments televised has adequate capacity. The remaining 7.5 percent of the inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including water level, water mark, and miscellaneous remarks, which indicated the camera was underwater or there were sags in the line. A sewer pipe can be considered at capacity when 50 percent of the diameter of sewer pipe is full of water. However, there may be other conditions, which have caused the water level or water mark to reach a 50 percent or greater level, such as heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line. Therefore, additional review of the pipe segments with these high-water-level concerns was conducted to determine capacity issues, if any. The sewer segments associated with high water levels appear to be the result of sags in the line, which do not impact its capacity. The pipe segments have been cleaned to remove any debris in the line.

All sewer pipes where water level, water mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 35 percent capacity have been outlined and analyzed on the High Water Level Table in Enclosure 2. The nature of these high-water-level conditions is also summarized on this table.

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

Infiltration

Our inspection revealed that infiltration was not detected in any pipe segment in your City's system.

STRUCTURAL REPORT

Our inspection revealed that approximately 96.2 percent of the inspected pipe segments within the City were free of severe structural defects. The remaining 3.8 percent of the inspected pipe segments had a PACP structural grade of 4 and 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 17 in the Quick Structural Rating Report Priority List (Enclosure 3), which require a corrective action, the proposed repair or replacement of the mainline will be scheduled in the next 24 months as part of our ongoing Accumulative Capital Outlay Program.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 17 segments are included in Enclosure 4. A map showing the sewer lines that need lining and point repair is also provided in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	83,973	76.9	360
2: Minor to Moderate	11,866	10.8	44
3: Moderate	9,328	8.5	33
4: Significant	1,703	1.6	8
5: Most Significant	2,395	2.2	9
TOTAL	109,265	100.0	454

FUTURE PROJECTS

The Sewer Condition Assessment Program has performed the CCTV inspection of the City's sewer lines according to the following schedule:

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2008-09	Y0TV0809B	109,265	33.4	COMPLETED
2011-12	Y0TV1112C	217,425	66.6	REPORT IN PROGRESS
TOTAL		326,690	100.0	

ENCLOSURE 1:

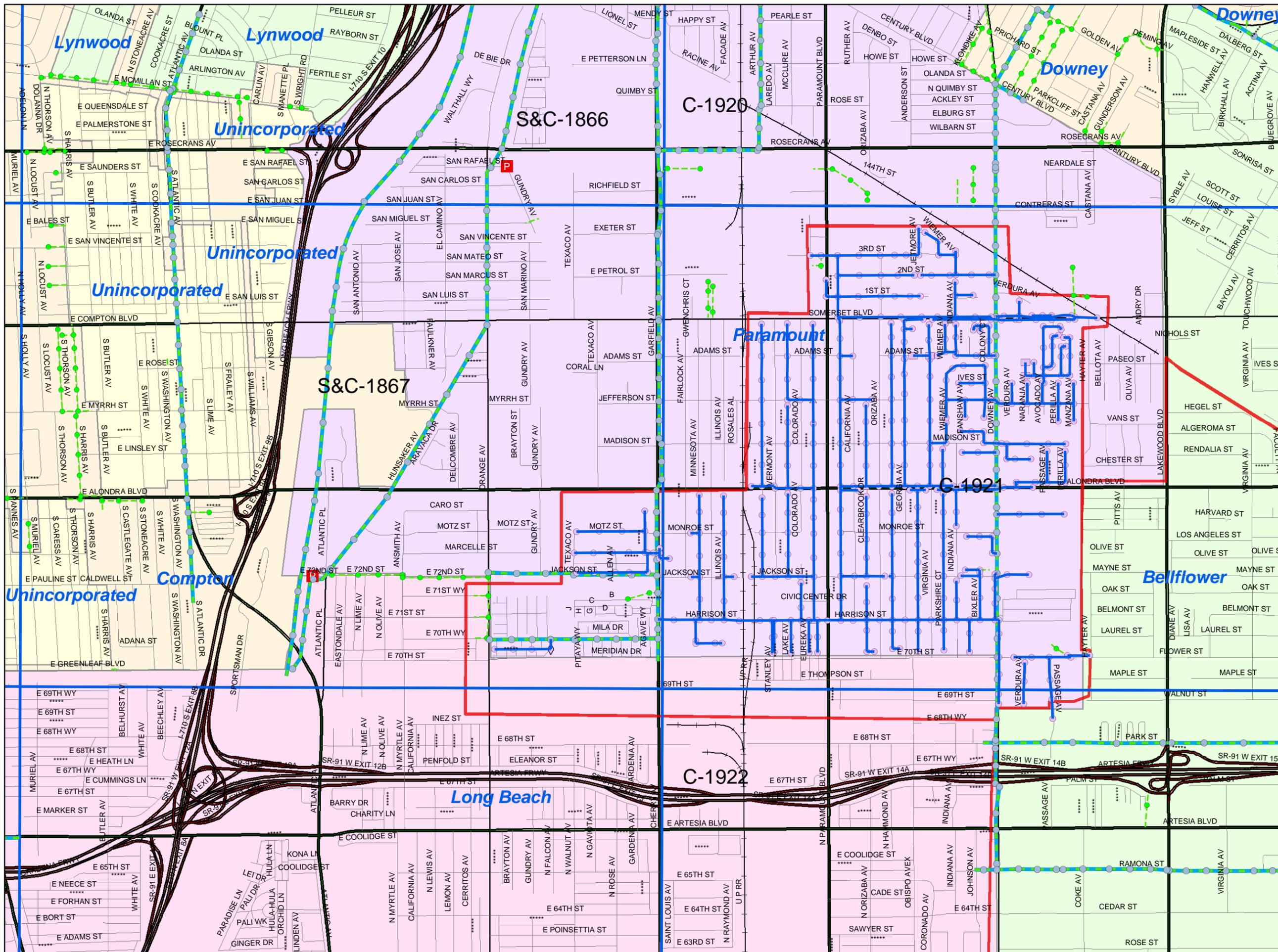
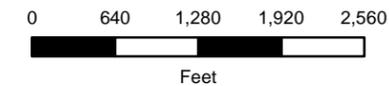
Project Overview Map

OVERVIEW MAP

CCTV PROJECT

YOTV0809B

CITY OF PARAMOUNT



Legend

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

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ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF PARAMOUNT (Y0TV0809B)
as of 01/23/2009

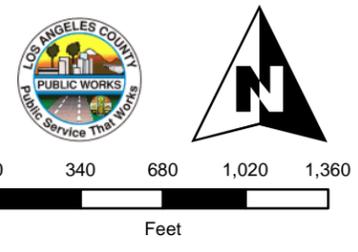
Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5141	1921-0342	1921-0341	HARRISON	Camera under water	Hydro (06/23/2011)
2	5141	1921-0341	1921-0300	ALLEY	Camera under water	Hydro (07/05/2011)
3	5141	1921-0297	1921-0229	ALLEY	Camera under water	Hydro (06/29/2011)
4	5141	1921-0144	1921-0143	HARRISON ST	Camera under water	Hydro (05/27/2014)
5	5141	1921-0121	1921-0122	ALLEY	Camera under water	Hydro (06/23/2011)
6	5141	1921-0852	1921-0853	ALONDRA BV	Camera under water	Hydro (06/24/2011)
7	5121	1921-0117	1921-0118	EUREKA AV	Grease; intruding lateral liner (near upper end)	Hydro (06/22/2011)
8	5111	1921-0095	1921-0096	ALONDRA BV	Root ball in factory capped lateral	No action needed.
9	5100	1921-0136	1921-0137	HARRISON ST	Water mark; grease	Hydro (05/27/2014)
10	5100	1921-0065	1921-0852	ALLEY	Camera under water	Hydro (05/16/2014)
11	473C	1921-0196	1921-0197	ALLEY	Sag	Hydro (06/22/2011)
12	4631	1921-0064	1921-0065	ALLEY	Camera under water	Hydro (06/22/2011)
13	4421	1922-0001	1922-0002	DOWNEY AV	Sag	Hydro (06/30/2011)
14	4331	1921-0081	1921-0082	ALLEY	Sag	Hydro (06/22/2011)
15	4236	1921-0410	1921-0411	JEFFERSON ST	Sag	Hydro (06/24/2011)
16	4231	1921-0481	1921-TRNK	MADISON ST	Sag	Hydro (06/24/2011)
17	4221	1921-0261	1921-0262	WIEMER AV	Roots	Rodder (06/17/2011)
18	4200	1921-0374	1921-0386	SOMERSET BV	Sag	Rodder (06/17/2011)
19	4200	1921-0229	1921-0228	ALLEY	Camera under water	Hydro (02/03/2012)
20	4133	1921-0335	1921-0336	JACKSON ST	Roots; root ball lateral	Rodder (06/17/2011). Lateral notice will be sent to property owner.
21	4131	1921-0351	1921-0352	HARRISON	Deposit settled	Hydro (06/23/2011)
22	4127	1921-0026	1921-0027		Deposit; intruding lateral liner	Hydro (06/30/2011)
23	4121	1921-0473	1921-0474	PASSAGE AV	Deposit encrustation	Hydro (02/03/2012)
24	4121	1921-0173	1921-0174	1ST ST	Grease; intruding lateral liner	Hydro (06/22/2011) Diamond Saw (05/21/2014)
25	4121	1921-0076	1921-0077	ALLEY	Deposit encrustation	Hydro (06/22/2011)
26	4100	1921-0411	1921-0418	NARANJA AV	Water mark; minor sag	Hydro (05/08/2014)
27	4100	1921-0296	1921-0341	HARRISON ST	Camera under water	Hydro (02/02/2012)
28	4100	1921-0145	1921-0122	LAKEWOOD BV	Camera under water	Hydro (07/05/2011)
29	4100	1921-0139	1921-0140	HARRISON ST	Camera under water	Hydro (02/02/2012)
30	4100	1921-0140	1921-0141	HARRISON ST	Camera under water	Hydro (02/02/2012)
31	4100	1921-0141	1921-0142	HARRISON ST	Camera under water	Hydro (02/02/2012)
32	4100	1921-0145	1921-0144	HARRISON	Camera under water	Hydro (02/02/2012)
33	4100	1921-0146	1921-0145	HARRISON	Camera under water	Hydro (02/02/2012)
34	3A2A	1921-0112	1921-0131	ALLEY	Sag; grease; deposits attached	Hydro (06/17/2011)
35	3A21	1921-0201	1921-0222	ALLEY	Sag	Hydro (06/23/2011)
36	312E	1921-0105	1921-0106	ALLEY	Grease; deposit	Hydro (05/14/2014)
37	312D	1921-0199	1921-0200	ALLEY	Grease; deposit	Hydro (05/14/2014)
38	312D	1921-0111	1921-0112	ALLEY	Minor sag	Hydro (06/17/2011)

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
39	312B	1921-0103	1921-0104	ILLINOIS AV	Grease; deposit	Hydro (05/14/2014)
40	3621	1921-0254	1921-0255	VIRGINIA AV	Sag	Hydro (06/22/2011)
41	3321	1921-0195	1921-0815	ADAMS ST	Minor sag	Hydro (06/21/2011)
42	3221	1921-0816	1921-TRNK	2ND ST	Sag	Hydro (02/03/2012)
43	3221	1921-0280	1921-0281	ALONDRA BV	Sag	Hydro (02/02/2012)
44	3200	1921-0104	1921-0137	ILLINOIS AV	Deposit settled	Hydro (02/03/2012)
45	3129	1921-0328	1921-0329	ALLEY	Grease	Rodder (06/21/2011)
46	3127	1921-0025	1921-0026		Deposit	Hydro (05/15/2014)
47	3122	1921-0407	1921-0408	TEPIC DR	Sag	Hydro (06/21/2011)
48	3122	1921-0302	1921-0336		Sag	Hydro (06/21/2011)
49	3122	1921-0231	1921-0232	ALLEY	Roots	Rodder (06/17/2011)
50	3122	1921-0131	1921-0132	JACKSON ST	Sag	Hydro (06/17/2011)
51	3122	1867-0585	1867-0586	MARCELLE ST	Sag	Hydro (06/30/2011)
52	3121	1921-0487	1921-0488		Grease	Hydro (02/03/2012)
53	3121	1921-0493	1921-0494	DOWNEY	Water mark	No action needed.
54	3121	1921-0413	1921-0422	PERILLA AV	Root ball lateral; minor sag	Hydro (05/08/2014)
55	3121	1921-0414	1921-0424	MANZANA AV	Minor sag	Hydro (05/08/2014)
56	3121	1921-0372	1921-0383	SOMERSET BV	Sag	Hydro (06/21/2011)
57	3121	1921-0281	1921-0282	ALONDRA BV	Sag	Hydro (02/02/2012)
58	3121	1921-0225	1921-0226	ALLEY	Sag	Hydro (06/21/2011)
59	3121	1921-0129	1921-0130	JACKSON ST	Water mark; deposit	Hydro (05/14/2014)
60	3121	1921-0113	1921-0142	LAKE AV	Minor sag; root ball lateral	Hydro (06/22/2011). Lateral notice will be sent to property owner.
61	3118	1921-0197	1921-0198	ALLEY	Water mark	No action needed.
62	3100	1921-0485	1921-0486	ALONDRA BV	Water mark	No action needed.
63	3100	1921-0531	1921-0532	FLOWER ST	Water mark	No action needed.
64	3100	1921-0415	1921-0414	JEFFERSON	Water mark	No action needed.
65	3100	1921-0477	1921-0485	ALONDRA BV	Minor sag	Hydro (05/14/2014)
66	3100	1921-0414	1921-0413	JEFFERSON	Water mark	No action needed.
67	3100	1921-0389	1921-0390	SOMERSET	Water mark	No action needed.
68	3100	1921-0410	1921-0416	VERDURA AV	Water mark; root ball lateral	No action needed. Lateral notice will be sent to property owner.
69	3100	1921-0412	1921-0413	JEFFERSON	Water mark	No action needed.
70	3100	1921-0412	1921-0420	AVOCADO AV	Water mark	No action needed.
71	3100	1921-0342	1921-0343	HARRISON ST	Water mark	No action needed.
72	3100	1921-0344	1921-0343	HARRISON	Water mark	No action needed.
73	3100	1921-0344	1921-0345	HARRISON ST	Water mark	No action needed.
74	3100	1921-0345	1921-0346	HARRISON ST	Water mark	No action needed.
75	3100	1921-0346	1921-0347	HARRISON	Water mark	No action needed.
76	3100	1921-0347	1921-0348	HARRISON	Water mark	No action needed.
77	3100	1921-0352	1921-0496	HARRISON ST	Water mark	No action needed.
78	3100	1921-0287	1921-0288	ALONDRA	Water mark	No action needed.
79	3100	1921-0288	1921-0482	ALONDRA	Minor sag	Hydro (05/16/2014)
80	3100	1921-0224	1921-0225	ALLEY	Water mark; deposit settled	Hydro (05/27/2014)
81	3100	1921-0278	1921-0227	ALONDRA	Water mark	No action needed.
82	3100	1921-0133	1921-0134		Grease	Hydro (05/27/2014)

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
83	3100	1921-0134	1921-0135	HARRISON ST	Grease	Hydro (05/27/2014)
84	3100	1921-0135	1921-0136	HARRISON ST	Grease	Hydro (05/27/2014)
85	3100	1921-0082	1921-0083	ALLEY	Water mark	No action needed.
86	3100	1921-0119	1921-0120		Water mark	No action needed.
87	3100	1921-0053	1921-0054	ILLINOIS AV	Water mark; root ball lateral	No action needed. Lateral notice will be sent to property owner.
88	3100	1867-0600	1867-0601	GARFIELD AV	Water mark	No action needed.
89	3100	1921-0824	1921-0825	RANCHO VISTA RD	Minor sag	Hydro (05/16/2014)

ENCLOSURE 2 CCTV PROJECT YOTV0809B

PARAMOUNT QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

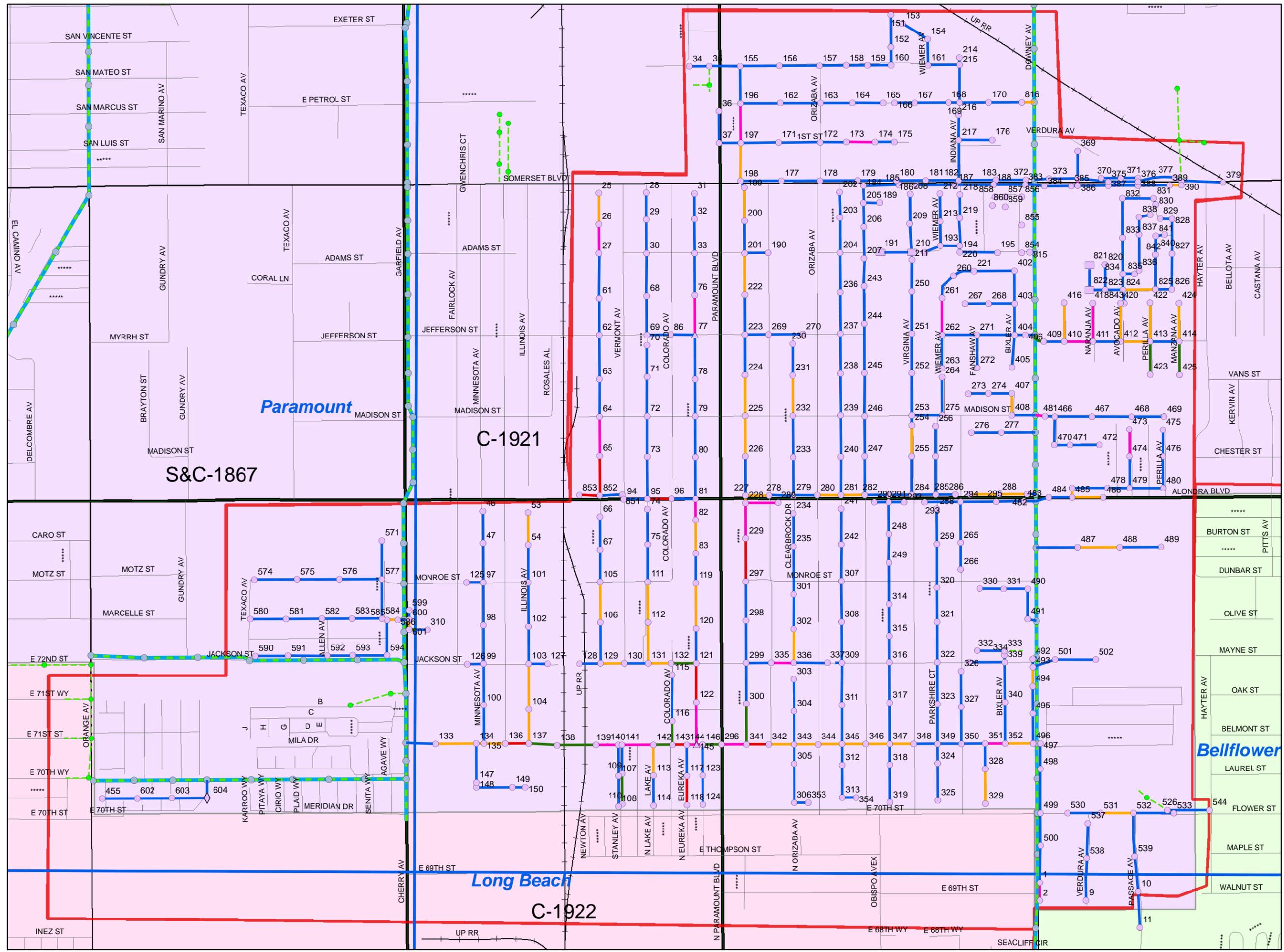
- Other
- Manhole Type**
 - Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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SEPTEMBER 2014



Paramount

S&C-1867

C-1921

Long Beach

C-1922

Bellflower

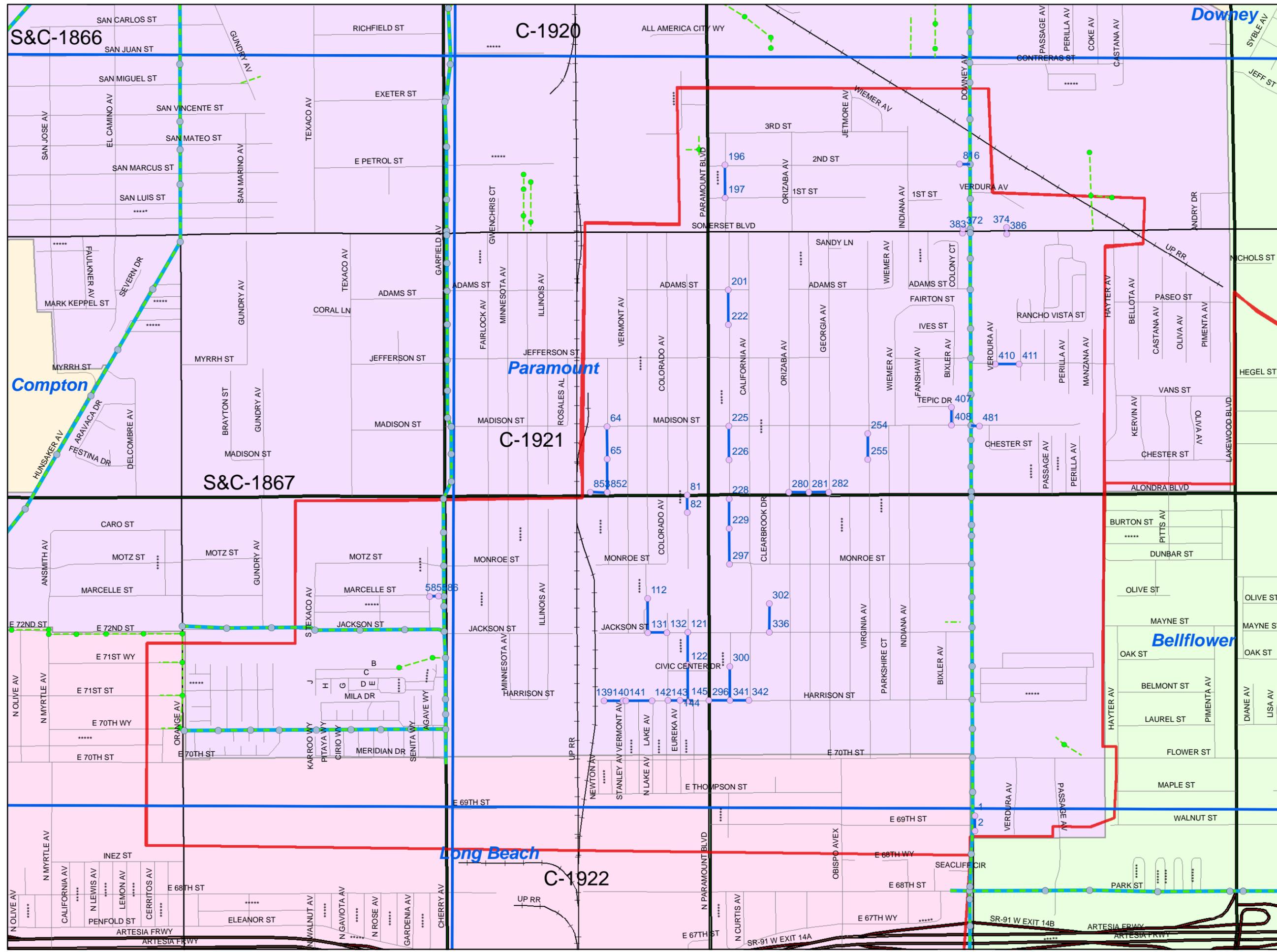
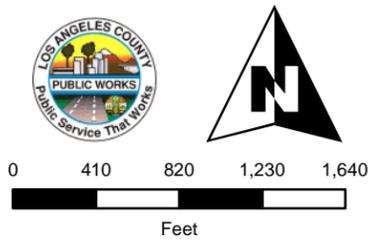
ENCLOSURE 2
HIGH WATER LEVEL
CITY OF PARAMOUNT (Y0TV0809B)

as of 01/23/2009

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION: LOCATION	CORRECTIVE ACTION (DATE COMPLETED)
1	5141	1921-0342	1921-0341	HARRISON	Camera under water: 180' end MH	Hydrojet (06/23/2011)
2	5141	1921-0341	1921-0300	ALLEY	Camera under water at MH 341	Hydrojet (07/05/2011)
3	5141	1921-0297	1921-0229	ALLEY	Camera under water at MH 297	Hydrojet (06/29/2011)
4	5141	1921-0144	1921-0143	HARRISON ST	Camera under water at MH 144	Hydrojet (05/27/2014)
5	5141	1921-0121	1921-0122	ALLEY	Camera under water at MH 121	Hydrojet (06/23/2011)
6	5141	1921-0852	1921-0853	ALONDRA BV	Camera under water at MH 852	Hydrojet (06/24/2011)
7	5100	1921-0065	1921-0852	ALLEY	Camera under water at MH 65	Hydrojet (05/16/2014)
8	473C	1921-0196	1921-0197	ALLEY	Sag: 270' - 315'	Hydrojet (06/22/2011)
9	4631	1921-0064	1921-0065	ALLEY	Camera under water: 275' - end MH	Hydrojet (06/22/2011)
10	4421	1922-0001	1922-0002	DOWNEY AV	Sag: 225' - 250'	Hydrojet (06/30/2011)
11	4331	1921-0081	1921-0082	ALLEY	Sag: 23' - end MH	Hydrojet (06/22/2011)
12	4236	1921-0410	1921-0411	JEFFERSON ST	Sag: 150' - end MH	Hydrojet (06/24/2011)
13	4231	1921-0481	1921-TRNK	MADISON ST	Sag: 45' - 57'	Hydrojet (06/24/2011)
14	4200	1921-0374	1921-0386	SOMERSET BV	Sag: 0' - 5'	Rodder (06/17/2011)
15	4200	1921-0229	1921-0228	ALLEY	Camera under water: 55' - end MH	Hydrojet (02/03/2012)
16	4100	1921-0296	1921-0341	HARRISON ST	Camera under water at MH 296	Hydrojet (02/02/2012)
17	4100	1921-0145	1921-0122	LAKEWOOD BV	Camera under water at MH 145	Hydrojet (07/05/2011)
18	4100	1921-0139	1921-0140	HARRISON ST	Camera under water at MH 139	Hydrojet (02/02/2012)
19	4100	1921-0140	1921-0141	HARRISON ST	Camera under water at MH 140	Hydrojet (02/02/2012)
20	4100	1921-0141	1921-0142	HARRISON ST	Camera under water at MH 141	Hydrojet (02/02/2012)
21	4100	1921-0145	1921-0144	HARRISON	Camera under water at MH 145	Hydrojet (02/02/2012)
22	4100	1921-0146	1921-0145	HARRISON	Camera under water at MH 146	Hydrojet (02/02/2012)
23	3A2A	1921-0112	1921-0131	ALLEY	Sag: 230' - 290'	Hydrojet (06/17/2011)
24	3A21	1921-0201	1921-0222	ALLEY	Sag: 115' - 215'	Hydrojet (06/23/2011)
25	3621	1921-0254	1921-0255	VIRGINIA AV	Sag: 190' - end MH	Hydrojet (06/22/2011)
26	3221	1921-0816	1921-TRNK	2ND ST	Sag: 0' - 10'	Hydrojet (02/03/2012)
27	3221	1921-0280	1921-0281	ALONDRA BV	Sag: 140' - 165'	Hydrojet (02/02/2012)
28	3122	1921-0407	1921-0408	TEPIC DR	Sag: 125' - end MH	Hydrojet (06/21/2011)
29	3122	1921-0302	1921-0336	ALLEY	Sag: 280' - 289'	Hydrojet (06/21/2011)
30	3122	1921-0131	1921-0132	JACKSON ST	Camera underwater at MH 131	Hydrojet (06/17/2011)
31	3122	1867-0585	1867-0586	MARCELLE ST	Sag: 30' to end MH	Hydrojet (06/30/2011)
32	3121	1921-0372	1921-0383	SOMERSET BV	Sag: 26' to end MH	Hydrojet (06/21/2011)
33	3121	1921-0281	1921-0282	ALONDRA BV	Sag: 50' to end MH	Hydrojet (02/02/2012)
34	3121	1921-0225	1921-0226	ALLEY	Sag: 290' to end MH	Hydrojet (06/21/2011)

ENCLOSURE 2 CCTV PROJECT YOTV0809B PARAMOUNT

HIGH WATER LEVEL



Legend

— HIGH WATER LEVEL

SMD Manholes

- ⊙ Other
- Manhole Type**
- Standard
- ▲ DROP
- Shallow
- ◆ Trap
- ⊗ Siphon
- P** SMD Pump Stations
- WTP** SMD Treatment Plants

Maintained by Others:

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

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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 roots blockage in your sewer lateral is still present. As the property owner, you are responsible for the entire length of the sewer lateral, which includes the portion that extends beyond the property line into the public right of way. We request that you contact a qualified plumbing contractor to service your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

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

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

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

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

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

Very truly yours,

GAIL FARBER
Director of Public Works

DAN LAFFERTY
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:

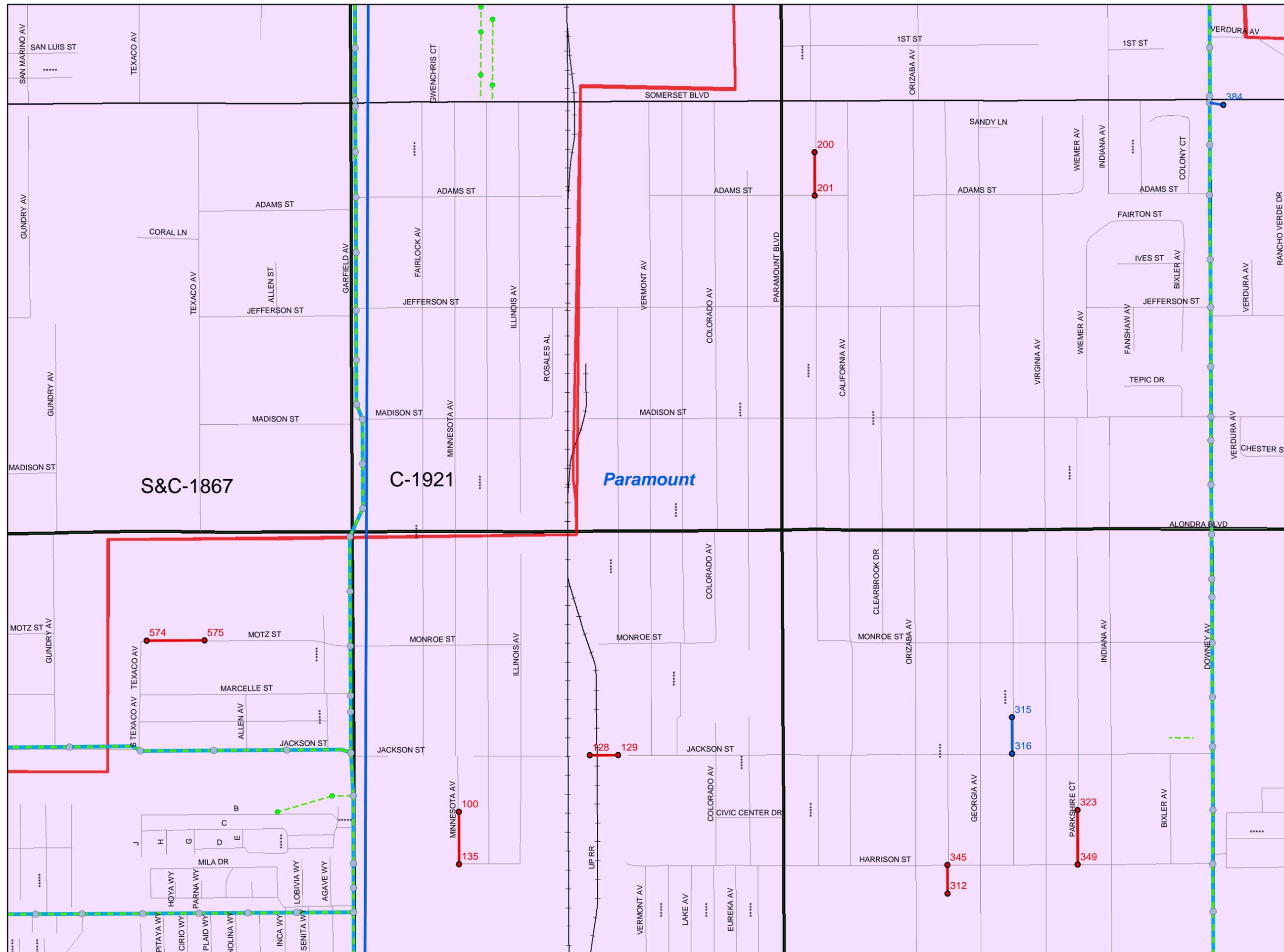
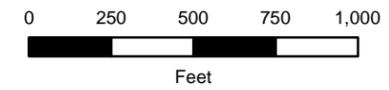
- Quick Structural Rating Report
Priority List
- Quick Structural Rating Map
- Rehabilitation Projects Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF PARAMOUNT (YOTV0809B)
as of 01/23/2009

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	513A	1921-0137	1921-0104	ILLINOIS AV	Broken: 348'; cracks: multiple locations	Structural integrity in tact. No action needed.	
2	5133	1921-0315	1921-0316	ALLEY W/O VIRGINIA AV	Hole: 265'; cracks: 245', 273', 294'	Lining: MH to MH	307
3	5131	1921-0328	1921-0329	ALLEY E/O INDIANA AV	Hole: 62'	Structural integrity in tact. No action needed.	
4	5121	1867-0574	1867-0575	MOTZ ST	Broken: 2'	Point Repair	
5	5114	1921-0112	1921-0131	ALLEY E/O VERMONT AV	Hole: 42'	Structural integrity in tact. No action needed.	
6	5113	1921-0111	1921-0112	ALLEY E/O VERMONT AV	Hole: 332'	Structural integrity in tact. No action needed.	
7	5111	1921-0128	1921-0129	JACKSON ST	Hole: 148'	Point Repair	
8	5100	1921-0312	1921-0345	EASMENT W/O GEORGIA AV	Hole at drop MH 312	Point Repair	
9	5100	1921-0328	1921-0351	ALLEY E/O INDIANA AV	Broken: 4'	Structural integrity in tact. No action needed.	
10	4200	1921-0384	1921-TRNK	SOMERSET	Fractures: 27', 41' (at flowline)	Lining: MH to MH	50
11	413E	1921-0413	1921-0422	PERILLA AV	Fractures: 276'	Structural integrity in tact. No action needed.	
12	4132	1921-0280	1921-0281	ALONDRA BV	Fractures: 77'; cracks: multiple joint locations	Structural integrity in tact. No action needed.	
13	4132	1921-0323	1921-0349	PARKSHIRE CT	Broken: 311' (below flowline); cracks: multiple locations	Point Repair	
14	4131	1921-0100	1921-0135	MINNESOTA AV	Broken: 319' (below flowline); cracks: multiple locations	Point Repair	
15	4121	1921-0200	1921-0201	ALLEY E/O PARAMOUNT BL	Fractures: 264' (below flowline); cracks: multiple locations	Point Repair	
16	4121	1921-0815	1921-TRNK	ADAMS ST	Fracture: 45'	Structural integrity in tact. No action needed.	
17	4100	1921-0477	1921-0485	ALONDRA BV	Fracture: 46'	Structural integrity in tact. No action needed.	

ENCLOSURE 3 CCTV PROJECT YOTV0809B PARAMOUNT

LINING & POINT REPAIR



Legend

- POINT REPAIR
- LINING
- SMD Manholes**
- ⊙ Other
- Manhole Type**
- Standard
- ▲ DROP
- ◻ Shallow
- ◇ Trap
- ⊗ Siphon
- P SMD Pump Stations
- WTP SMD Treatment Plants
- Maintained by Others:**
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- CCTV PROJECT AREA

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ENCLOSURE 4:

Infrastructure Inspection Reports
for PACP Grades 4 and 5



Inspection report

Date: 20081113	P.O.#: YOTV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 2941	PSR: 451606
Total Pipe Length: 353	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate:

Street: ILLINOIS AV	Flow Control: N Not Controlled	Start MH: 1921-0104
City: PAR	Year Renewed:	End MH: 1921-0137
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 351.46 ft

Purpose: A Maintenance Related	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 3ft
Drain. Area: 0104/1921-0137/1921	Lining:
	Category:

Comment: **Cracks,Hardened debris**

Location details:

1:558	position	observation	grade
	0.00	Upstream Manhole, Survey Begins 1921-0104 11:30am	
	0.00	Water Level, 10 % of cross sectional area	0 FT // 00:00:21
	0.00	Water Mark, 35 % of cross sectional area	0 FT // 00:00:44
	7.53	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	0 FT // 00:00:50
	9.03	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	7.53 FT // 00:01:31
	10.44	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	9.03 FT // 00:02:12
	10.44	Deposits Settled Compacted, 15 % of cross sectional area, from 04 to 08 o'clock, within 8 inch: YES	
	26.80	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	41.95	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	55.20	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	
	58.01	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	
	68.45	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	104.88	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	105.78	Tap Factory Made Abandoned, at 10 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	
	108.49	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	159.87	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	
	161.18	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	162.18	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	
	166.90	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	187.78	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	202.93	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	204.64	Tap Factory Made Abandoned, at 10 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	
	206.74	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	211.26	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	226.21	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	



Inspection report

Date: 20081113	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 2941	PSR: 451606
Total Pipe Length: 353	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate:

1:558	position	observation	grade
	241.47	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	260.74	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	
	263.45	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	
	282.92	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	299.08	Tap Factory Made Abandoned, at 10 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	
	301.68	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	303.39	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	
	333.60	Crack Spiral, from 10 to 02 o'clock, within 8 inch: YES	
	348.45	Broken, from 12 to 12 o'clock, within 8 inch: YES	S 5
1921-0137	351.46	Downstream Manhole, Survey Ends 1921-0137	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	0000	5	0	5	5	0	5



Inspection report

Date: 20081014	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1535	PSR: 45782
Total Pipe Length: 222	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1921-0315
City: PAR	Year Renewed	End MH: 1921-0316
Location Code: H Alley	Tape/Media #:	Total length surveyed: 307.38 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 222
Drain. Area: 0315/1921-0316/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:750	position	observation	grade
	0.00	Upstream Manhole, 1921-0315 Survey Begins	
	1.17	Water Level, 15 % of cross sectional area	0 FT // 00:00:05
	1.17	Water Mark, 20 % of cross sectional area	4.08 FT // 00:01:06
	4.08	Deposits Attached Encrustation, 5 % of cross sectional area, from 05 to 07 o'clock, within 8 inch: YES	4.08 FT // 00:01:06
	13.60	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	13.6 FT // 00:01:58
	37.22	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	37.22 FT // 00:05:34
	80.66	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	89.11	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	91.64	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	119.04	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	120.60	Water Level, Sag in pipe, 20 % of cross sectional area, start	
	129.25	Water Level, Sag in pipe, 20 % of cross sectional area, end	
	133.52	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	180.36	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	182.79	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	213.50	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES	
	229.54	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	232.06	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	
	245.18	Crack Circumferential, from 07 to 02 o'clock, within 8 inch: YES	
	246.25	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	265.20	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	
	265.59	Hole Void Visible, from 12 to 02 o'clock, within 8 inch: YES	
	273.27	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	
	294.65	Crack Circumferential, from 07 to 01 o'clock, within 8 inch: YES	
	307.38	Downstream Manhole, 1921-0316 Survey Ends	

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



Inspection report

Date: 20081015	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1550	PSR: 45795
Total Pipe Length: 290	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1921-0328
City: PAR	Year Renewed	End MH: 1921-0329
Location Code: H Alley	Tape/Media #:	Total length surveyed: 238.28 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 290
Drain. Area: 0328/1921-0329/1921	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:600	position	observation	grade
	0.00	Downstream Manhole, 1921-0328 Survey Begins	0 FT // 00:00:02
	0.19	Water Level, 5 % of cross sectional area	4.37 FT // 00:00:28
	0.19	Water Mark, 10 % of cross sectional area	6.9 FT // 00:00:41
	4.37	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	42.66 FT // 00:01:36
	6.90	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	61.71 FT // 00:02:15
	42.66	S1 Deposits Attached Grease, 5 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: YES, start	
	61.71	Hole Soil Visible, at 10 o'clock, within 8 inch: NO	
	62.00	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	64.33	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	84.74	F1 Deposits Attached Grease, 5 % of cross sectional area, from 11 to 01 o'clock, within 8 inch: YES, end	
	105.15	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	107.77	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	148.49	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	151.02	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	186.00	Tap Break-In Defective, at 02 o'clock, 4", within 8 inch: NO	
	186.78	Tap Break-In, at 02 o'clock, 4", within 8 inch: NO	
	188.14	Roots Fine Joint, at 01 o'clock, within 8 inch: YES	
	197.47	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	199.99	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	223.51	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	
	227.69	Crack Multiple, from 10 to 01 o'clock, within 8 inch: YES	
	231.48	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	
	234.78	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	238.28	Upstream Manhole, 1921-0329 Survey Ends	

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



Inspection report

Date: 20081006	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1217	PSR: 84660
Total Pipe Length: 356	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1867

Street: MOTZ ST	Flow Control: N Not Controlled	Start MH: 1867-0574
City: PAR	Year Renewed:	End MH: 1867-0575
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 330.99 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 356
Drain. Area: 0574/1867-0575/1867	Lining:
	Category:

Comment: **NONE**

Location details:

1:775	position	observation	grade
	0.00	Upstream Manhole, 1867-0574 Survey Begins	
	0.00	Water Level, 5 of cross sectional area	0 FT // 00:00:06
	0.00	Water Mark, 5 % of cross sectional area	1.94 FT // 00:00:47
	1.94	Broken Soil Visible, from 03 to 08 o'clock, within 8 inch: YES	1.94 FT // 00:01:17
	1.94	Intruding Sealing Ring, 10 % of cross sectional area, from 03 to 06 o'clock	2.92 FT // 00:01:45
	2.92	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	3.50	Crack Circumferential, from 04 to 06 o'clock, within 8 inch: YES	
	7.77	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	9.33	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	32.65	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	64.92	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	91.15	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	102.33	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	115.45	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	
	121.28	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	
	148.88	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	166.27	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	179.00	Crack Circumferential, from 10 to 03 o'clock, within 8 inch: YES	
	192.70	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	241.88	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	256.07	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	302.81	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	303.68	Crack Longitudinal, at 04 o'clock, within 8 inch: NO	
	307.96	Crack Circumferential, from 09 to 11 o'clock, within 8 inch: YES	
	311.75	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	



Inspection report

Date: 20081006	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1217	PSR: 84660
Total Pipe Length: 356	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1867

1:775	position	observation	grade
		Downstream Manhole, 1867-0575 Survey Ends	

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



Inspection report

Date: 20081009	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1501	PSR: 84297
Total Pipe Length: 341	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1921-0112
City: PAR	Year Renewed:	End MH: 1921-0131
Location Code: H Alley	Tape/Media #:	Total length surveyed: 340.9 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 341
Drain. Area: 0112/1921-0131/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:713	position	observation	grade
	0.00	Upstream Manhole, 1921-0112 Survey Begins	
	0.00	Water Level, 10 % of cross sectional area	0 FT // 00:00:14
	0.00	Water Mark, 10 % of cross sectional area	16.91 FT // 00:01:15
	16.91	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	18.17 FT // 00:01:30
	18.17	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	18.17 FT // 00:01:30
	19.34	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	19.34 FT // 00:01:45
	42.56	Hole Void Visible, at 12 o'clock, within 8 inch: NO	
	66.47	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	69.00	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	72.11	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	116.03	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	118.36	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	162.68	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	165.20	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	197.56	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	199.99	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	222.83	Deposits Attached Grease, 5 % of cross sectional area, from 07 to 05 o'clock, within 8 inch: YES, start	
	229.44	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	232.06	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	241.97	Water Level, Sag in pipe, 50 % of cross sectional area, start	
	262.67	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	
	278.90	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	283.37	Crack Circumferential, from 09 to 12 o'clock, within 8 inch: YES	
	289.49	Water Level, Sag in pipe, 50 % of cross sectional area, end	
	289.49	Deposits Attached Grease, 5 % of cross sectional area, from 07 to 05 o'clock, within 8 inch: YES, end	



Inspection report

Date: 20081009	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1501	PSR: 84297
Total Pipe Length: 341	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

1:713	position	observation	grade
		<p>Crack Circumferential, from 08 to 05 o'clock, within 8 inch: YES</p> <p>Downstream Manhole, 1921-0131 Survey Ends</p>	

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



Inspection report

Date: 20081009	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1500	PSR: 53205
Total Pipe Length: 339	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1921-0111
City: PAR	Year Renewed	End MH: 1921-0112
Location Code: H Alley	Tape/Media #:	Total length surveyed: 348.48 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 339
Drain. Area: 0111/1921-0112/1921	Lining:
	Category:

Comment: **NONE**

Location details:

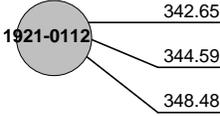
1:837	position	observation	grade
	0.00	Upstream Manhole, 1921-0111 Survey Begins	
	0.19	Water Level, 10 % of cross sectional area	0 FT // 00:00:04
	0.19	Water Mark, 10 % of cross sectional area	5.93 FT // 00:01:50
	5.93	Manhole, Remark: ABANDONED MANHOLE	17.69 FT // 00:01:53
	17.69	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	17.69 FT // 00:01:53
	75.02	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	75.02 FT // 00:03:55
	77.65	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	99.90	S1 Deposits Attached Grease, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES, start	
	121.57	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	124.00	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	173.85	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	174.73	Crack Circumferential, from 07 to 01 o'clock, within 8 inch: YES	
	176.38	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	223.32	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	225.65	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	227.11	F1 Deposits Attached Grease, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES, end	
	272.68	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	275.21	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	282.79	Crack Circumferential, from 06 to 07 o'clock, within 8 inch: YES	
	299.70	Deposits Attached Grease, 5 % of cross sectional area, at 01 o'clock, within 8 inch: YES	
	320.40	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	
	322.05	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	324.67	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	332.45	Hole Soil Visible, at 12 o'clock, within 8 inch: NO	
	342.65	Deposits Attached Grease, 5 % of cross sectional area, from 04 to 05 o'clock, within 8 inch: YES	



Inspection report

Date: 20081009	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1500	PSR: 53205
Total Pipe Length: 339	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

1:837	position	observation	grade
	342.65	Deposits Attached Grease, 5 % of cross sectional area, from 04 to 05 o'clock, within 8 inch: YES Water Level, Sag in pipe, 50 % of cross sectional area Downstream Manhole, 1921-0112 Survey Ends	
	344.59		
	348.48		



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



Inspection report

Date: 20081026	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1919	PSR: 46055
Total Pipe Length: 175	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: JACKSON ST	Flow Control: N Not Controlled	Start MH: 1921-0128
City: PAR	Year Renewed	End MH: 1921-0129
Location Code: C Light Highway	Tap/Media #:	Total length surveyed: 268.41 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 175
Drain. Area: 0128/1921-0129/1921	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:675	position	observation	grade
			0 FT // 00:00:10
			10.2 FT // 00:01:04
			73.66 FT // 00:02:51
			148.49 FT // 00:05:45
			148.49 FT // 00:05:45
	0.00	Downstream Manhole, 1921-0129 Survey Begins	
	0.10	Water Level, 20 % of cross sectional area	
	0.10	Water Mark, 25 % of cross sectional area	
	10.20	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	
	73.66	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	148.49	Hole Void Visible, from 10 to 01 o'clock, within 8 inch: YES	
	148.49	General Photograph, within 8 inch: YES	
	164.43	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	235.17	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	
	261.12	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	265.78	Crack Circumferential, from 09 to 04 o'clock, within 8 inch: NO	
	266.56	Tap Break-In, at 12 o'clock, 4", within 8 inch: NO	
	268.41	Upstream Manhole, 1921-0128 Survey Ends	

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



Inspection report

Date: 20081014	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1533	PSR: 45779
Total Pipe Length: 175	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: 0	Flow Control: N Not Controlled	Start MH: 1921-0312
City: PAR	Year Renewed	End MH: 1921-0345
Location Code: D Easement/Right of Way	Tap/Media #:	Total length surveyed: 93.1 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 175
Drain. Area: 0312/1921-0345/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:250	position	observation	grade
			1.94 FT // 00:00:39
			1.94 FT // 00:00:42
			1.94 FT // 00:00:42
			61.42 FT // 00:03:10
			64.04 FT // 00:03:27
	1921-0312	Downstream Manhole, 1921-0345 Survey Begins	
	0.00	Water Level, 5 % of cross sectional area	
	0.00	Water Mark, 25 % of cross sectional area	
	1.94	Drop Connection BROKEN PIPE INSIDE	
	1.94	Hole, from 07 to 11 o'clock, within 8 inch: NO	S 5
	61.42	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	64.04	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	93.10	Upstream Manhole, 1921-0312 Survey Begins	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	0000	5	0	5	5	0	5



Inspection report

Date: 20081107	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 2052	PSR: 45745
Total Pipe Length:	Survey Customer: LACOPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: SOMERSET	Flow Control: N Not Controlled	Start MH: 1921-0384
City: PAR	Year Renewed	End MH: 1921-TRNK
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 49.76 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length:
Drain. Area: 0384/1921-TRNK/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:125	position	observation	grade
			0.1 FT // 00:00:14
			27.5 FT // 00:01:18
			27.5 FT // 00:01:18
			41.4 FT // 00:02:28
			41.4 FT // 00:02:28
	0.10	Upstream Manhole, 1921-0384 Survey Begins	
	3.01	Water Level, 5 % of cross sectional area	
	3.01	Water Mark, 5 % of cross sectional area	
	27.50	Water Level, Sag in pipe, 30 % of cross sectional area	
	27.50	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	
	39.16	Water Level, Sag in pipe, 15 % of cross sectional area	
	41.40	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	
	49.76	Downstream Manhole, 1921 TRNK Survey Ends	

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



Inspection report

Date: 20080926	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 894	PSR: 45704
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: PERILLA AV	Flow Control: N Not Controlled	Start MH: 1921-0413
City: PAR	Year Renewed	End MH: 1921-0422
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 324.2 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 6ft
Drain. Area: 0413/1921-0422/1921	Lining:
	Category:

Comment: **Cracks**
 Location details: **Jefferson St**

1:558	position	observation	grade
	0.00	Upstream Manhole, Survey Begins 1921-0422	
DS MH	4.00	Water Level, 1 % of cross sectional area	
	4.10	Water Mark, 5 % of cross sectional area	0 FT // 00:00:28
	6.30	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	4 FT // 00:02:23
1921-0413	6.30		4.1 FT // 00:02:30
	13.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, start	6.3 FT // 00:02:56
	17.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	20.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	51.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	54.40	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	61.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	64.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	86.30	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, end	
F1	86.30		
	95.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	115.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	142.00	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	144.50	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	
	145.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	155.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	164.40	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	
	179.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	182.30	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	
	207.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	
	210.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	
	212.70	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	
	220.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	



Inspection report

Date: 20080926	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 894	PSR: 45704
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

1:558	position	observation	grade				
	220.60	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES					
	229.40	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES					
	244.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES					
	264.30	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES					
	266.70	Crack Spiral, from 02 to 05 o'clock, within 8 inch: YES					
	266.70	Water Level, 3 of cross sectional area					
	273.30	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES					
	273.30	Crack Multiple, from 07 to 02 o'clock, within 8 inch: YES					
	274.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES					
	276.80	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES					
	280.10	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	282.70	Water Level, 10 of cross sectional area, Remark: HELD BACK FROM DSMH					
	286.70	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	286.70	Water Mark, 35 % of cross sectional area					
	287.90	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside					
	293.50	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	300.20	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	307.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	313.70	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	317.10	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES					
	324.20	Downstream Manhole, Survey Ends 1921-0413					
US MH							
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	0000	0	0	0	0	0	0



Inspection report

Date: 20081104	P.O.#: Y0TV0809B	Weather: 3 Light rain	Surveyed By: R.RUIZ	section number: 1844	PSR: 45962
Total Pipe Length: 200	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: ALONDRA BV	Flow Control: N Not Controlled	Start MH: 1921-0280
City: PAR	Year Renewed	End MH: 1921-0281
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 173.27 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 200
Drain. Area: 0280/1921-0281/1921	Lining:
	Category:

Comment: **MH#'S REVERSED**

Location details:

1:425	position	observation	grade
			0 FT // 00:00:11
			17.49 FT // 00:01:13
			17.49 FT // 00:01:13
			20.21 FT // 00:01:35
			20.21 FT // 00:01:35
	1921-0280	Upstream Manhole, 1921-0281 Survey Begins	
	0.00	Water Level, 15 % of cross sectional area	
	0.00	Water Mark, 25 % of cross sectional area	
	17.49	Crack Circumferential, from 10 to 02 o'clock, within 8 inch: YES	
	20.21	Crack Circumferential, from 10 to 02 o'clock, within 8 inch: YES	
	37.80	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	53.84	Crack Circumferential, from 12 to 04 o'clock, within 8 inch: YES	
	71.23	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	
	74.63	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	
	75.51	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	
	77.26 S1	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	
	126.82	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	147.81 S2	Water Level, Sag in pipe, 40 % of cross sectional area, start	
	155.68 F2	Water Level, Sag in pipe, 40 % of cross sectional area, end	
	165.98 F1	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES, end	
	1921-0281	Downstream Manhole, 1921-0280 Survey Ends	

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



Inspection report

Date: 20081015	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1547	PSR: 45790
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

Street: PARKSHIRE CT	Flow Control: N Not Controlled	Start MH: 1921-0323
City: PAR	Year Renewed	End MH: 1921-0349
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 314.86 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 333
Drain. Area: 0323/1921-0349/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:713	position	observation	grade
	0.00	Upstream Manhole, 1921-0323 Survey Begins	
	0.58	Water Level, 15 % of cross sectional area	0 FT // 00:00:05
	0.58	Water Mark, 15 % of cross sectional area	11.18 FT // 00:00:47
	11.18	Deposits Attached Encrustation, 5 % of cross sectional area, from 07 to 10 o'clock, within 8 inch: YES	11.18 FT // 00:00:47
	29.93	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	29.93 FT // 00:01:28
	32.46	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	32.46 FT // 00:01:41
	67.64	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	68.61	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	
	70.07	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	122.74	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	124.19	Deposits Attached Encrustation, 5 % of cross sectional area, from 01 to 05 o'clock, within 8 inch: YES	
	125.55	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	
	126.92	Deposits Attached Encrustation, 5 % of cross sectional area, from 02 to 05 o'clock, within 8 inch: YES	
	132.75	Deposits Attached Encrustation, 5 % of cross sectional area, from 03 to 05 o'clock, within 8 inch: YES	
	169.38	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	170.55	Deposits Attached Encrustation, 5 % of cross sectional area, from 02 to 05 o'clock, within 8 inch: YES	
	172.01	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	185.42	Deposits Attached Encrustation, 5 % of cross sectional area, from 01 to 03 o'clock, within 8 inch: YES	
	219.23	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	
	220.40	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	
	221.66	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	
	264.42	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES	
	269.09	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	271.32	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	
	284.25	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	



Inspection report

Date: 20081015	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1547	PSR: 45790
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: J Jetting	rate: 1921

1:713	position	observation	grade
	284.25	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	
	290.17	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	
	299.21	Crack Circumferential, from 09 to 12 o'clock, within 8 inch: YES	
	311.07	Fracture Multiple, from 02 to 11 o'clock, within 8 inch: YES	
	314.86	Downstream Manhole, 1921-0349 Survey Ends	

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



Inspection report

Date: 20081028	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1926	PSR: 46008
Total Pipe Length: 267	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1921-0200
City: PAR	Year Renewed	End MH: 1921-0201
Location Code: H Alley	Tape/Media #:	Total length surveyed: 267.73 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 10/10
Use: SS Sanitary	Material: VCP Pipe Joint length: 267
Drain. Area: 0200/1921-0201/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:527	position	observation	grade
	0.00	Upstream Manhole, 1921-0200 Survey Begins	
	1.55	Water Level, 5 % of cross sectional area	0 FT // 00:00:06
	1.55	Water Mark, 25 % of cross sectional area	4.66 FT // 00:00:39
	4.66	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	4.66 FT // 00:00:39
	8.55	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	8.55 FT // 00:01:01
	29.06	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	29.06 FT // 00:01:56
	53.64	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	
	77.45	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	104.56	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	
	108.35	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	
	109.81	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	
	112.73	Crack Circumferential, from 09 to 01 o'clock, within 8 inch: YES	
	126.04	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	135.66	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	
	135.86	Deposits Attached Grease, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES, start	
	147.23	Crack Circumferential, from 11 to 03 o'clock, within 8 inch: YES	
	150.92	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	
	166.66	Crack Circumferential, from 11 to 01 o'clock, within 8 inch: YES	
	174.63	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	195.33	Crack Circumferential, from 10 to 01 o'clock, within 8 inch: YES	
	199.02	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	
	200.58	Deposits Attached Grease, 5 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES, end	
	200.58	Crack Circumferential, from 12 to 02 o'clock, within 8 inch: YES	
	206.12	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	
	210.97	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	



Inspection report

Date: 20081028	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1926	PSR: 46008
Total Pipe Length: 267	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

1:527	position	observation	grade
		<p>Crack Circumferential, from 09 to 02 o'clock, within 8 inch: YES</p> <p>Fracture Multiple, from 03 to 11 o'clock, within 8 inch: YES</p> <p>Downstream Manhole, 1921-0201 Survey Ends</p>	

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



Inspection report

Date: 20081024	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1876	PSR: 45470
Total Pipe Length: 92	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: ADAMS ST	Flow Control: N Not Controlled	Start MH: 1921-0815
City: PAR	Year Renewed	End MH: 1921-TRNK
Location Code: C Light Highway	Tap/Media #:	Total length surveyed: 86.29 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 92
Drain. Area: 0815/1921-TRNK/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:225	position	observation	grade
			0 FT // 00:00:07
			12.34 FT // 00:00:55
			15.65 FT // 00:01:10
			40.04 FT // 00:02:15
			40.04 FT // 00:02:15
	1921-0815 0.00	Upstream Manhole, 1921-0815 Survey Begins	
	0.39	Water Level, 15 % of cross sectional area	
	0.39	Water Mark, 25 % of cross sectional area	
	12.34	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	
	15.65	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	40.04	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	
	42.76	Crack Circumferential, from 08 to 09 o'clock, within 8 inch: YES	
	45.09	Fracture Multiple, from 02 to 08 o'clock, within 8 inch: YES	
	52.28	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	
	57.92	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	
	62.00	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	
	73.08	Manhole, Remark: 1921-0815A NOT ON MAP	
	78.52	Crack Circumferential, from 05 to 07 o'clock, within 8 inch: YES	
	1921-TRNK 86.29	Downstream Manhole, 1921-TRNK Survey Ends	

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



Inspection report

Date: 20081022	P.O.#: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1910	PSR: 45723
Total Pipe Length: 79	Survey Customer: LACDPW	System Owner: PAR	Clean Date:	Pre-Cleaned: H Heavy Cleaning	rate: 1921

Street: ALONDRA BV	Flow Control: N Not Controlled	Start MH: 1921-0477
City: PAR	Year Renewed:	End MH: 1921-0485
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 54.23 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 79
Drain. Area: 0477/1921-0485/1921	Lining:
	Category:

Comment: **NONE**

Location details:

1:150	position	observation	grade
			46.84 FT // 00:02:13
			46.84 FT // 00:02:13
			54.23 FT // 00:02:57
	0.00	Upstream Manhole, 1921-0477 Survey Begins	
	0.29	Water Level, 20 % of cross sectional area	
	0.29	Water Mark, 40 % of cross sectional area	
	46.84	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	
	54.23	Downstream Manhole, 1921-0485 Survey Ends	

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