



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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REFER TO FILE **SM-1**

June 24, 2009

Mr. Lou LeBlanc, City Engineer
City of Rosemead
8838 East Valley Boulevard
Rosemead, CA 91770

Attention Mr. Rafael Fajardo

Dear Mr. LeBlanc:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORTS PROJECTS Y0TV0708E AND Y0TV0809A

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles, Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 415,428 feet or 100 percent of the City of Rosemead's sewer system as part of two inspection projects titled Y0TV0708E and Y0TV0809A.

The enclosed reports for each of the respective inspection projects outlines the structural and maintenance ratings of your system based on the Pipeline Assessment and Certification Program's rating methodology. Included in the reports are the following:

- Condition Assessment Report
- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Report Priority List and Quick Maintenance Rating Map (Enclosure 2)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Mr. Lou LeBlanc
June 24, 2009
Page 2

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

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

Very truly yours,

GAIL FARBER
Director of Public Works



for JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

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1703

Enc.

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

100% SUMMARY

SUP. DISTRICT(s): 1	MAP PAGE(S): T.G. 636, 596
Report By: Kari Eskridge	Report Date: 06/22/09

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection (CCTV) of 415,428 feet or 100 percent of the City of Rosemead's sewer system.

The CCTV inspection in the City of Rosemead was completed during two projects Y0TV0708E and Y0TV0809A. Enclosed for your reference are the Y0TV0708E and Y0TV0809A reports.

SUMMARY MAINTENANCE REPORT

Our inspection revealed that approximately 96.6 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 3.4 percent of the inspected pipe segments within the City of Rosemead area had a PACP maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted in the attached reports.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	51,186	12.3%	240
2: Good	332,682	80.1%	1,369
3: Fair	17,288	4.2%	79
4: Poor	13,355	3.2%	52
5: Immediate Attention	917	0.2%	4
TOTAL	415,428	100%	1,744

SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 96.4 percent of the inspected pipe segments within the City of Rosemead were free of severe structural defects. However, the remaining 3.6 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. The priority lists for these items are located in the attached reports.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	286,592	69.0%	1,281
2: Good	52,516	12.6%	169
3: Fair	61,224	14.7%	232
4: Poor	7,529	1.8%	29
5: Immediate Attention	7,567	1.8%	33
TOTAL	415,428	100%	1,744

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

PROJECT NAME:	Y0TV0708E	PROJECT MGR:	Kari Eskridge
PROJECT DATE:	MAY 2008	CONTACT NO:	(626) 300-3390
SUP. DISTRICT(s):	1	MAP PAGE(S):	T.G. 636, 596
Report By:	Kari Eskridge	Report Date:	04/30/2009

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles, Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 358,913 feet or approximately 86.4 percent of the City of Rosemead's sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0708E included sewer lines located in the Unincorporated County of Los Angeles area and the City of Rosemead. Enclosed for your reference is an overview map of the project area (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or infrastructure defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects and failure is unlikely in the foreseeable future, while a grade of 5 indicates that a pipe segment requires immediate attention and that the pipe has either failed or will likely fail within the next five years. A detailed breakdown of the five possible defect grades is as follows:

Grade	Description	Estimate time to Failure
1:	EXCELLENT: Minor Defects.	Unlikely in the foreseeable future
2:	GOOD: Defects that have not begun to deteriorate.	20 years or more
3:	FAIR: Moderate defects that will continue to deteriorate.	10 to 20 years
4:	POOR: Sever defects that will become grade 5 defects within the foreseeable future.	5 to 10 years
5:	IMMEDIATE ATTENTION: Defects requiring immediate attention.	Has failed or will likely fail within the next 5 years

MAINTENANCE REPORT

Our inspection revealed that approximately 96.8 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 3.2 percent of the inspected pipe segments within the City of Rosemead area had a PACP maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2). Also included is a color-coded map showing the quick maintenance rating for each pipe segment.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	4,948	1.4	21
2: Good	329,866	91.9	1,356
3: Fair	12,733	3.5	56
4: Poor	10,449	2.9	41
5: Immediate Attention	917	0.3	4
TOTAL	358,913	100.0	1,478

STRUCTURAL REPORT

Our inspection revealed that approximately 96.3 percent of the inspected pipe segments within the City of Rosemead were free of severe structural defects. However, the remaining 3.7 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 52 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection reports for these 52 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	245,280	68.3	1,076
2: Good	44,800	12.5	138
3: Fair	55,432	15.5	212
4: Poor	6,916	1.9	27
5: Immediate Attention	6,485	1.8	25
TOTAL	358,913	100.0	1,478

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television inspection of the remaining sewer lines within the City of Rosemead according to the following schedule:

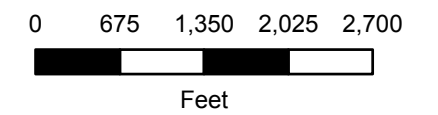
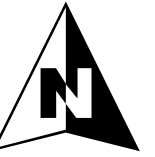
FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2007-2008	Y0TV0708E	358,913	86.4	Complete
2008-2009	Y0TV0809A	56,515	13.6	Complete
TOTAL		415,428	100.0	

ENCLOSURE 1:

Project Overview Map

CCTV PROJECT Y0TV0708E

Supervisorial District 1
City of Rosemead &
County Unincorporated



Legend

SMD Sanitary Sewers

Other

Project Area

Y0TV0708E

SMD Manholes

Other

MH Type

Standard

Siphon

Trap

Shallow

Drop

SMD Pump Satations

SMD Treatment Plants

Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

Trunk Mh

Non SMD Maintained MH

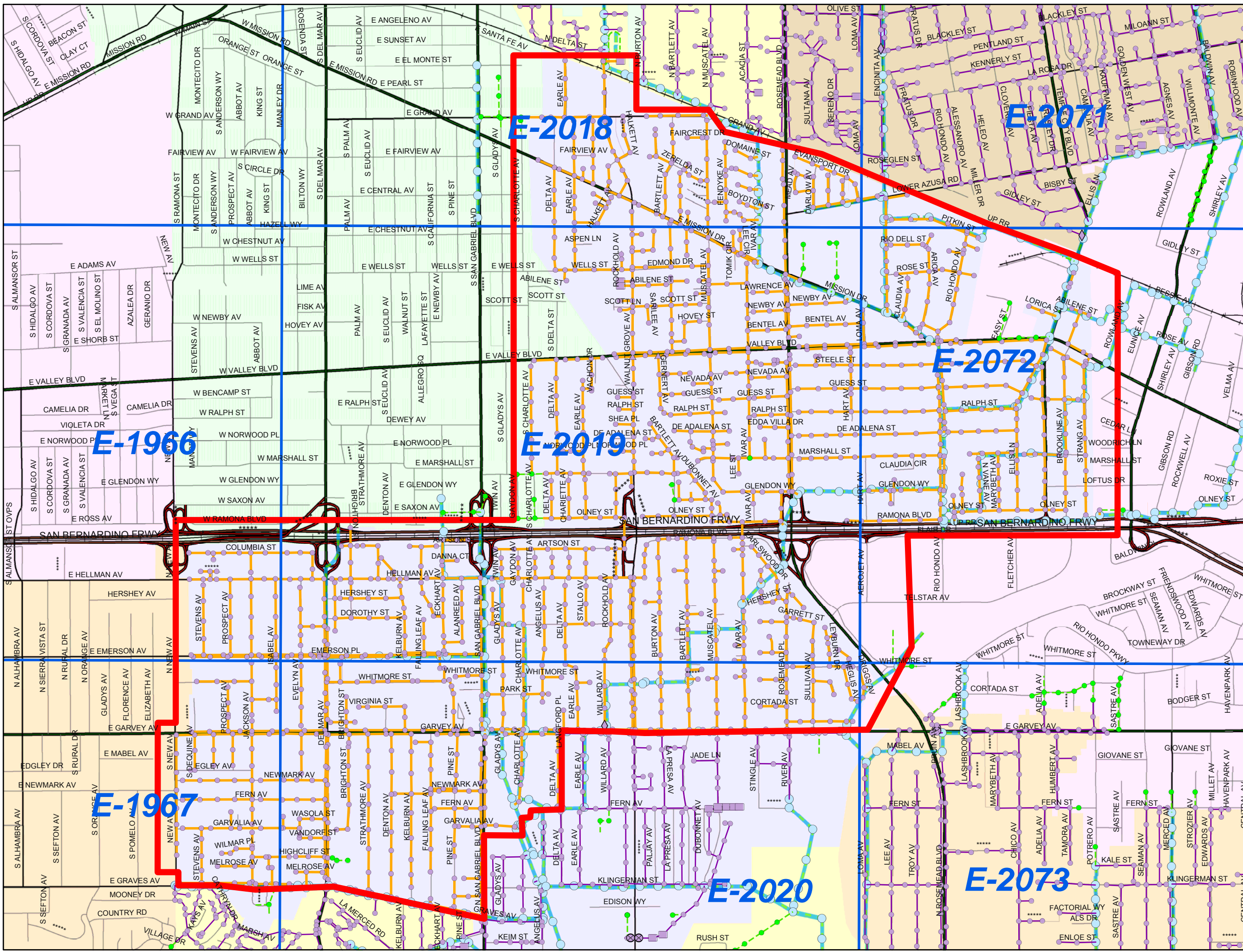
SMD Operations Maps

CCTV Project Area

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MAY 2009

Y0TV0708E_Overview_Ledger_Size.mdx



ENCLOSURE 2:

- Quick Maintenance Rating Report
Priority List
- Quick Maintenance Rating Map

ENCLOSURE 2
 QUICK MAINTENANCE RATING REPORT PRIORITY LIST
 CITY OF ROSEMEAD (Y0TV0708E)
 as of 07/28/2008

Item No.	Section No.	QMR	Start MH	End MH	Street	OBSERVATION	Date Cleaned	Equipment Used
1	343	5121	2019-0259	2019-0257	KAHNS DR	Deposits - Settled Compact	04/29/2009	Hydrojet
2	391	5121	1966-0022	1966-0023	JACKSON AVE	Root Ball	04/30/2009	Rodder
3	395	5121	1966-0028	1966-0027	EMERSON AV	Root Ball	05/04/2009	Rodder
4	1434	5100	2019-0447	2019-0446	EARLE AV	Water Mark, 80 % of cross sectional area	-	No action needed.
5	1311	4431	2020-0294	2020-0293	PARKING LOT	Root Ball	05/07/2009	Rodder
6	586	4332	2073-0004	2073-0002	DRIGGS AV	Root Ball	05/04/2009	Rodder
7	388	4331	1966-0027	1966-0020	EMERSON AV	Deposits, Grease & Root Ball	05/04/2009	Rodder
8	108	4321	2018-0473	2018-TRUN	EASEMENT - N/O MISSION DR	Root Ball	04/29/2009	Rodder
9	1475	4321	2020-0034	2020-0035	ALLEY - W/O SAN GABRIEL BL	Root Ball	05/04/2009	Rodder
10	321	4231	2019-0370	2019-0372	NORWOOD PL	Root Ball	05/01/2009	Rodder
11	18	4221	2018-0405	2018-0404	LA PRESA AV	Root Ball	04/29/2009	Rodder
12	55	4221	2018-0362	2018-0363	EARLE AV	Root Ball	04/29/2009	Rodder
13	104	4221	2018-0503	2018-0133	LOWER AZUSA RD	Root Ball	04/29/2009	Rodder
14	222	4221	2019-0526	2019-0524	BENDEL AV	Root Ball	05/01/2009	Rodder
15	474	4221	1966-0037	1966-0038	EMERSON AV	Root Ball	05/04/2009	Rodder
16	587	4221	2073-0002	2073-TRNK	DRIGGS AV	Alignment Left, 45° & Alignment Right, 45°	-	No action needed.
17	1368	4221	2019-0309	2019-0308	ROSEMEAD BV	Root Ball	05/01/2009	Rodder
18	1194	413A	2072-0131	2072-0130	RAMONA BV	Camera Underwater	04/30/2009	Hydrojet
19	1476	4131	2020-0035	2020-0036	ALLEY - W/O SAN GABRIEL BL	Roots	04/29/2009	Rodder
20	4	4121	2018-0348	2018-0352	EARLE AV	Root Ball	04/29/2009	Rodder
21	16	4121	2018-0404	2018-0402	LA PRESA AV	Root Ball	04/29/2009	Rodder
22	27	4121	2018-0420	2018-0423	MUSCATEL AV	Root Ball	04/29/2009	Rodder
23	29	4121	2018-0423	2018-0424	MUSCATEL AV	Root Ball	05/05/2009	Rodder
24	50	4121	2018-0430	2019-0543	MUSCATEL AV	Root Ball	05/05/2009	Rodder
25	111	4121	2018-0476	2018-0477	BARRETTE AV	Root Ball	04/29/2009	Rodder
26	118	4121	2018-0483	2018-TRNK	BOYDTON ST	Alignment Down, 45 °	-	No action needed.
27	120	4121	2018-0491	2018-0492	EVANSPOUR DR	Root Ball	04/29/2009	Rodder
28	121	4121	2018-0492	2018-0493	EVANSPOUR DR	Root Ball	04/29/2009	Rodder
29	319	4121	2019-0368	2019-0371	MUSCATEL AV	Root Ball	05/01/2009	Rodder
30	339	4121	2019-0244	2019-0245	EARLSWOOD DR	Root Ball	05/04/2009	Rodder
31	568	4121	2019-0200	2019-0643	BARTLETT AV	Root Ball	05/04/2009	Rodder
32	686	4121	2019-0192	2019-0191	BURTON AV	Root Ball	05/04/2009	Rodder
33	687	4121	2019-0193	2019-0192	BURTON AV	Root Ball	05/04/2009	Rodder
34	698	4121	2019-0188	2020-0074	BURTON AV	Root Ball	05/04/2009	Rodder
35	707	4121	2019-0560	2019-0556	BARTLETT AV	Infiltration Runner	-	No action needed.
36	989	4121	2020-0253	2020-0252	GARVEY AV	Root Ball	04/29/2009	Rodder
37	1321	4121	2020-0350	2020-0349	PINE ST	Root Ball	04/29/2009	Rodder
38	295	4112	2019-0375	2019-0017	EASEMENT - W/O MUSCATEL AV	Root Ball	05/05/2009	Rodder
39	977	4100	2020-0135	2020-0127	GARVEY AV	Water Mark, 60% of cross sectional area	-	No action needed.
40	1002	4100	2020-0312	2020-TRNK	SAN GABRIEL BV	Water Mark, 60% of cross sectional area	-	No action needed.
41	1211	4100	2020-0346	2020-0347	NEWMARK AV	Water Mark, 60% of cross sectional area	-	No action needed.
42	1294	4100	2019-0028	2019-0029	EMERSON PL	Water Mark, 60% of cross sectional area	-	No action needed.
43	1439	4100	2019-0470	2019-0469	EARLE AV	Water Mark, 60% of cross sectional area	-	No action needed.
44	1440	4100	2019-0471	2019-0470	EARLE AV	Water Mark, 60% of cross sectional area	-	No action needed.
45	1441	4100	2019-0472	2019-0471	EARLE AV	Water Mark, 60% of cross sectional area	-	No action needed.

ENCLOSURE 2

CCTV PROJECT

YOTV0708E

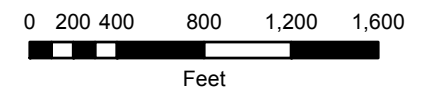
Supervisory District 1

Rosemead

QUICK

MAINTENANCE RATING

(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manhole

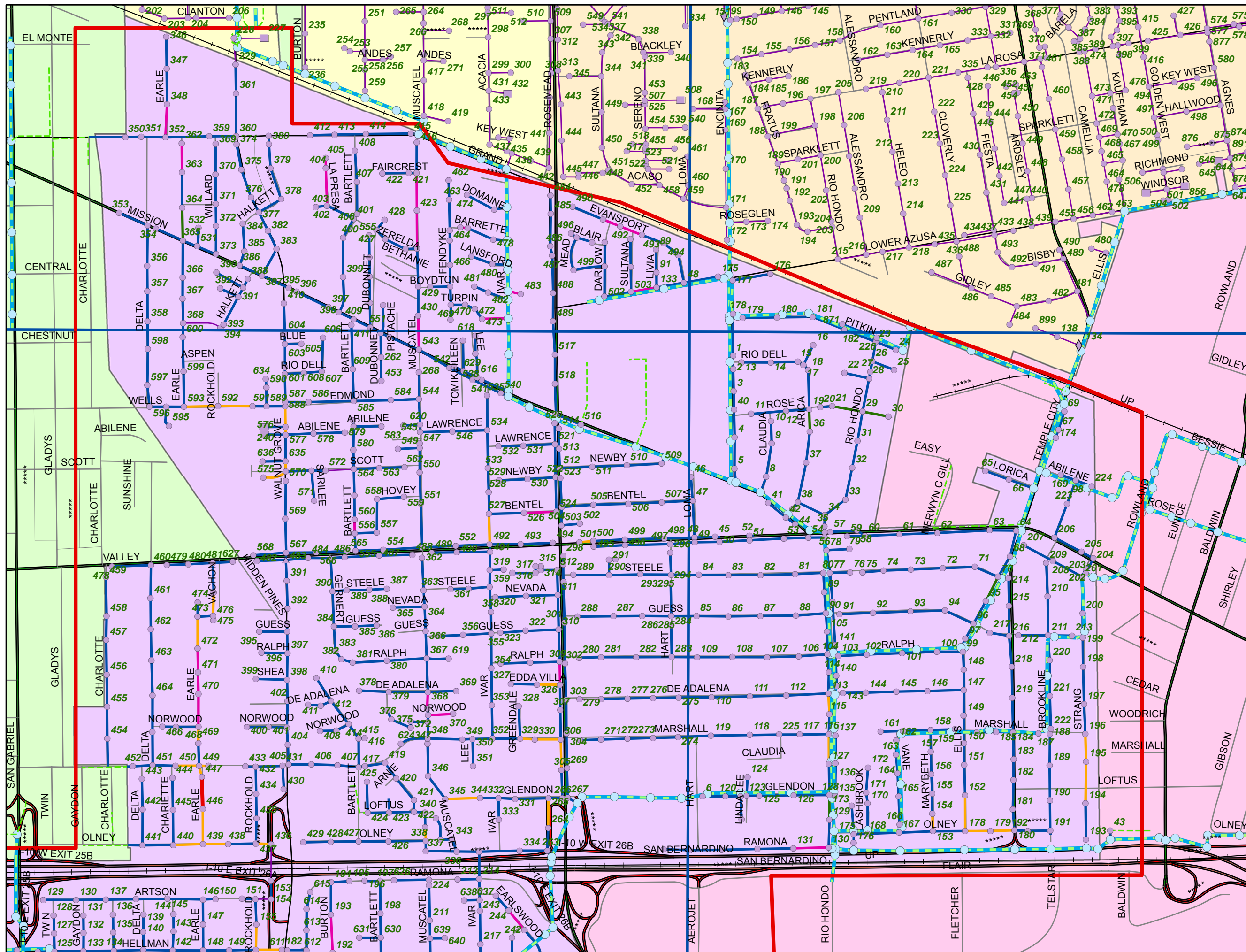
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk MH
- Non SMD Manhole
- SMD Operations Maps
- CCTV Project Area

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MAY 4, 2009



ENCLOSURE 2

CCTV PROJECT

YOTV0708E

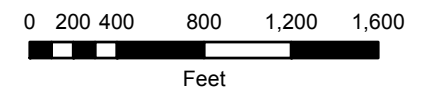
Supervisory District 1

Rosemead

QUICK

MAINTENANCE RATING

(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manhole

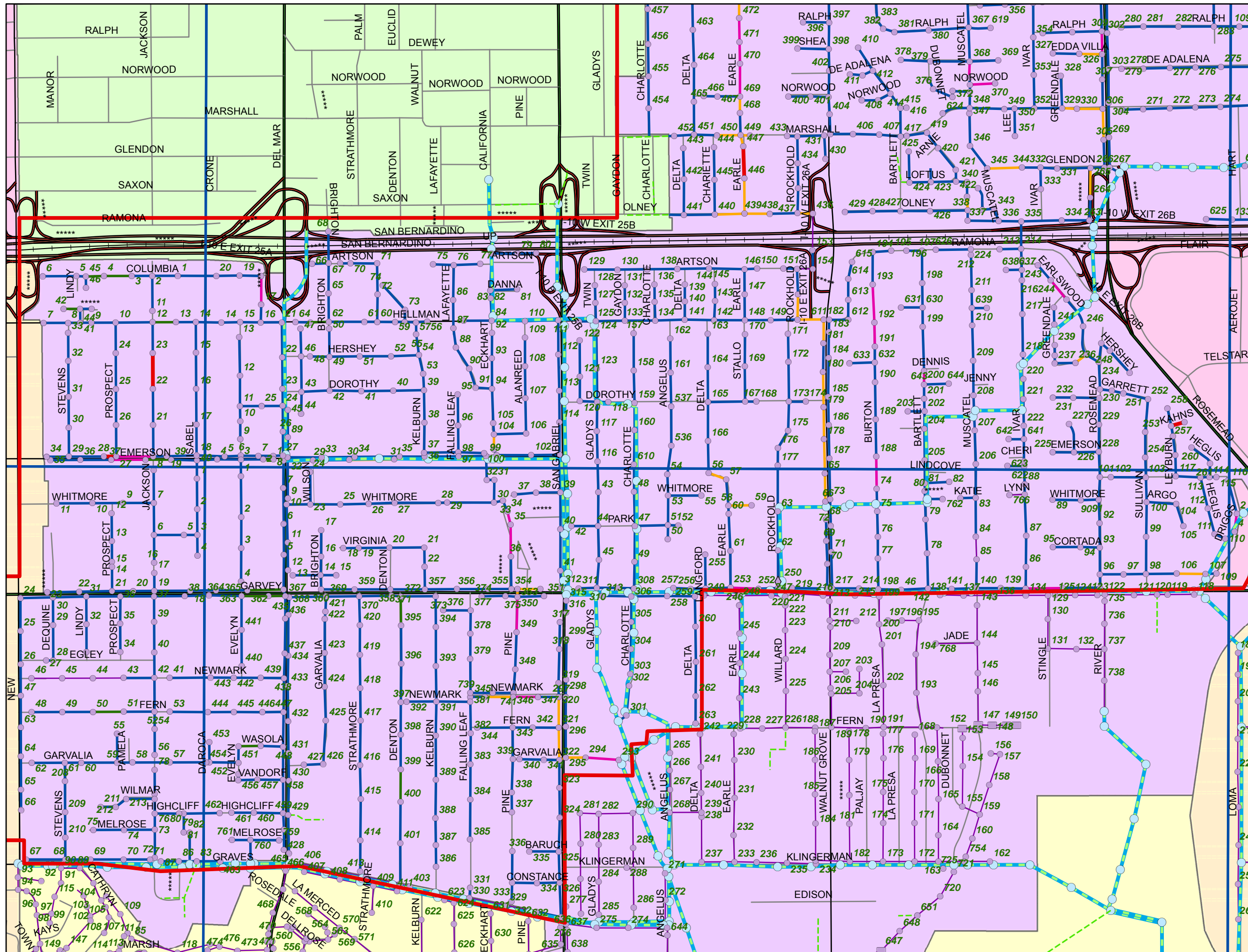
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk MH
- Non SMD Manhole
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MAY 4, 2009



ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY ROSEMEAD (Y0TV0708E)
as of 07/28/2008

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5241	2020-0369	2020-0370	GARVEY AV	Hole with void visible: 320'; fractures	Lining: MH to MH	353
2	5200	2019-0495	2019-0496	VALLEY BV	Broken with multiple fractures: 91'	Point Repair (Emergency Contract, completed: October 2008)	
3	5144	1967-0065	1967-0064	NEW AV	Broken with soil visible: 141'; fractures (multiple locations)	Lining: MH to MH; Top Hat: 5'	250
4	5141	2072-0195	2072-0194	STRANG AV	Broken with soil visible and fractures: 154'	Lining: MH to MH	346
5	5137	2019-0391	2019-0483	WALNUT GROVE AV	Broken with soil visible: 204'; fractures (multiple locations)	Lining: MH to MH	291
6	5134	2019-0392	2019-0391	WALNUT GROVE AV	Hole and broken with soil visible: 144'	Lined: MH to MH (Emergency Contract, completed: October 2008)	
7	5133	2019-0011	2019-0025	ALLEY	Hole with soil visible: 170'; cracks (multiple)	Lining: MH to MH	206
8	5131	2019-0317	2019-0316	EASEMENT (PARKING LOT)	Broken: 231'	Structural integrity in tact. No action needed. Pipe capped at this end of segment. City to investigate for Code	
9	5131	2019-0335	2019-0334	IVAR AV	Hole with soil visible: 210' (substandard work of previous repair with PVC pipe)	City to investigate permit activity records.	
10	5131	2020-0254	2020-0253	GARVEY AV	Hole with void visible: 229'	Point Repair	
11	5131	2072-0170	2072-TRUN	LASHBROOK AV	Hole (into Sanitation District trunk sewer): 329'	Repaired by County Sanitation District	
12	5126	2019-0115	2020-0039	SAN GABRIEL BV	Hole with void visible: 309'	Lined: MH to MH (Emergency Contract, completed: October 2008)	
13	5122	2020-0104	2020-0100	ARGO PL	Collapsed: 103'	Point Repair (Emergency Contract, completed: October 2008)	
14	5121	2020-0076	2020-0077	BURTON AV	Hole with void visible: 239'	Point Repair	
15	5121	2072-0058	2072-0060	VALLEY BV	Hole: 20' (patched from exterior)	Structural integrity in tact. No action	
16	5111	2019-0497	2072-0049	VALLEY BV	Hole: 26'	Structural integrity in tact. No action	
17	5100	2019-0126	2019-0125	HELLMAN AV	Hole: 16'	Structural integrity in tact. No action	
18	5100	2019-0135	2019-0134	CHARLOTTE AV	Holes with soil visible: 30'	City to investigate utility borings in this area.	
19	5100	2019-0149	2019-0156	HELLMAN AV	Hole with soil visible: 33'	Structural integrity in tact. No action	
20	5100	2019-0585	2019-0584	EDMOND DR	Hole: 190'	Structural integrity in tact. No action	
21	5100	2020-0071	2020-0217	WALNUT GROVE AV	Collapsed: 301'	Point Repair	

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
22	5100	2020-0077	2020-0198	BURTON AV	Hole with void visible: 239'	Point Repair	
23	5100	2072-0106	2072-0104	RALPH ST	Hole with soil visible: 283'	Lining: MH to MH	280
24	5100	2072-0156	2072-0155	MARYBETH ST	Hole: 154'	Structural integrity in tact. No action	
25	4232	1967-0073	1967-0072	JACKSON AV	Fractures: 182', 212'; cracks	Lining: MH to MH	271
26	4231	2019-0236	2019-0235	HERSHEY ST	Broken / Hole with soil visible: 22'	Point Repair (Emergency Contract, completed: October 2008)	
27	4231	2020-0456	2020-0457	VANDORF ST	Broken with soil visible: 156'; fractures	Lining: MH to MH	222
28	4200	2019-0008	2019-0027	EMERSON PL	Broken with soil visible: 10', 30'	Lining: MH to MH	39
29	4135	2019-0484	2019-0485	VALLEY BV	Fractures: 33', 97'; cracks	Lining: MH to MH	200
30	4134	1967-0018	2020-0363	GARVEY AV	Fractures: 196'; cracks (multiple locations)	Lining: MH to MH	325
31	4133	1967-0209	1967-0208	STEVENS AV	Fracture: 39'; cracks	Lining: MH to MH	300
32	4132	1967-0038	2020-0364	GARVEY AV	Fracture: 237'; cracks	Structural integrity in tact. No action	
33	4132	2020-0025	2020-0026	WHITMORE ST	Fracture and cracks	Structural integrity in tact. No action	
34	4132	2020-0326	2020-0325	SAN GABRIEL BV	Broken: 147'; cracks (multiple locations)	Lining: MH to MH	305
35	4132	2020-0460	2020-0459	HIGHCLIFF ST	Broken: 77'	Point Repair	
36	4131	1967-0040	1967-0039	JACKSON AV	Fractures: 120'; cracks	Lining: MH to MH	276
37	4131	1967-0068	1967-0069	GRAVES AV	Holes: 117' (patched from exterior)	Lining: MH to MH	247
38	4131	2019-0316	2019-0315	ALLEY	Fractures: 31', 33'	Lining: MH to MH	46
39	4131	2019-0487	2019-0486	VALLEY BV	Broken: 287'	Lining: MH to MH	336
40	4123	2020-0352	2020-0353	GARVEY AV	Broken (dry line): 188'	Structural integrity in tact. No action	
41	4122	1967-0041	2020-0443	NEWMARK AV	Cracks	Structural integrity in tact. No action	
42	4122	2019-0076	2019-0086	LAFAYETTE ST	Fracture: 0'	Structural integrity in tact. No action	
43	4121	1966-0025	1966-0026	PROSPECT AVE	Fracture: 257'	Structural integrity in tact. No action	
44	4121	2019-0080	2019-0079	EASEMENT (NEAR SAN BERNARDINO FWY)	Fractures: 57' (patched from exterior)	Structural integrity in tact. No action needed.	
45	4121	2019-0453	2019-0262	DUBONNET AV	Fracture: 97'	Lining: MH to MH	196
46	4121	2020-0423	2020-0422	BRIGHTON ST	Fracture: 222'	Lining: MH to MH	332
47	4111	2019-0175	2019-0176	ROCKHOLD AV	Fractures: 64'	Structural integrity in tact. No action	
48	4100	1966-0034	1966-0029	EMERSON AV	Hole with soil visible: 38'	Structural integrity in tact. No action	
49	4100	1966-0040	2019-0004	EMERSON PL	Holes with soil visible: 25'	Lining: MH to MH	198
50	4100	2019-0302	2019-0303	ROSEMEAD BV	Fractures: 137'	Structural integrity in tact. No action	
51	4100	2019-0640	2019-0639	MUSCATEL AV	Fractures: 127'	Lining: MH to MH	144
52	4100	2020-0313	2020-0306	GARVEY AV	Fracture: 223'	Structural integrity in tact. No action	

ENCLOSURE 3

CCTV PROJECT

YOTV0708E

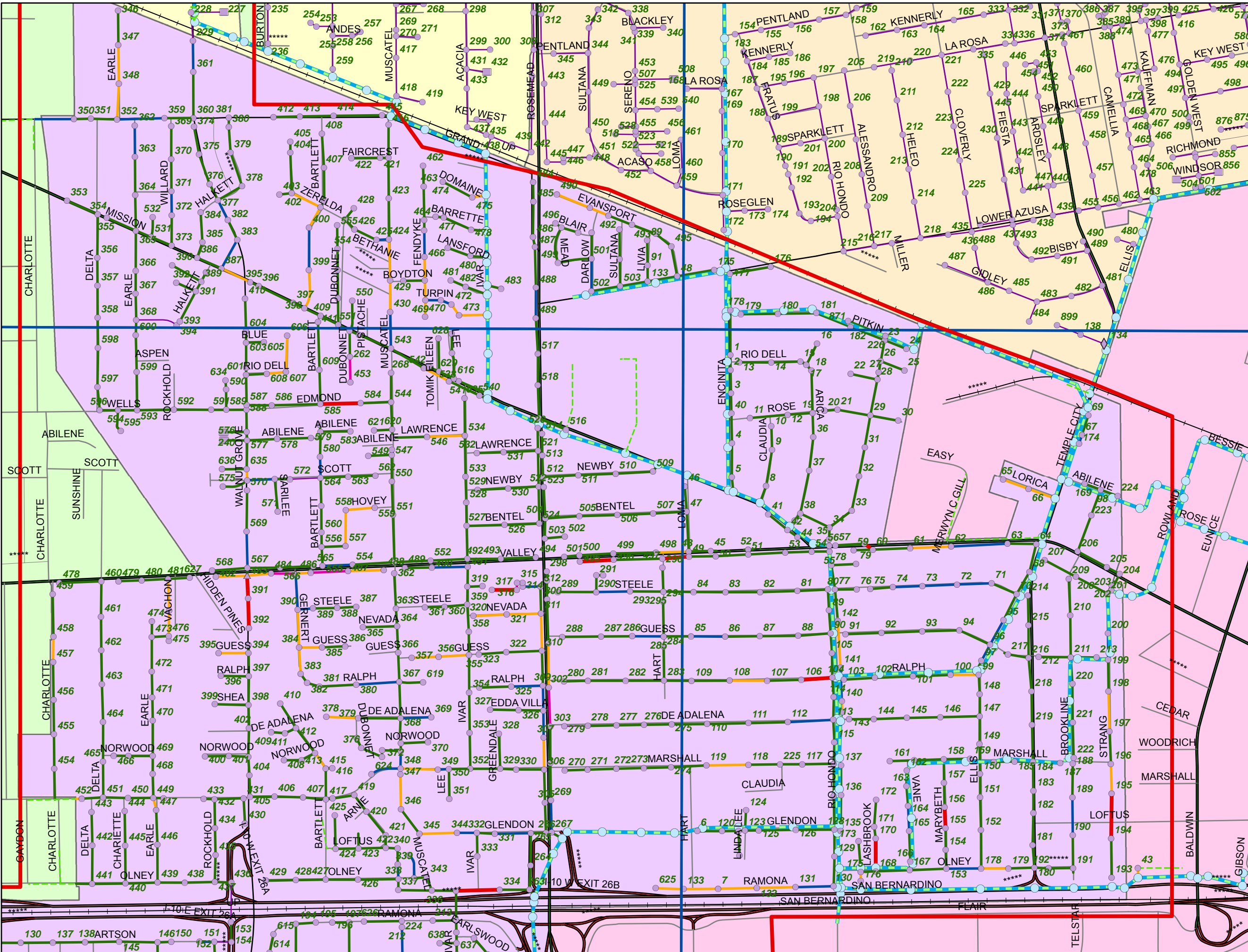
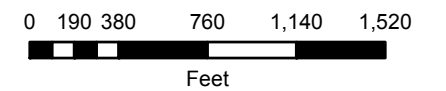
Supervisory District 1

Rosemead

QUICK

STRUCTURAL RATING

(QSR)



Legend

SMD Sanitary Sewers

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

SMD Manhole

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

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk MH
- Non SMD Manhole
- SMD Operations Maps
- CCTV Project Area

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MAY 4, 2009

ENCLOSURE 3

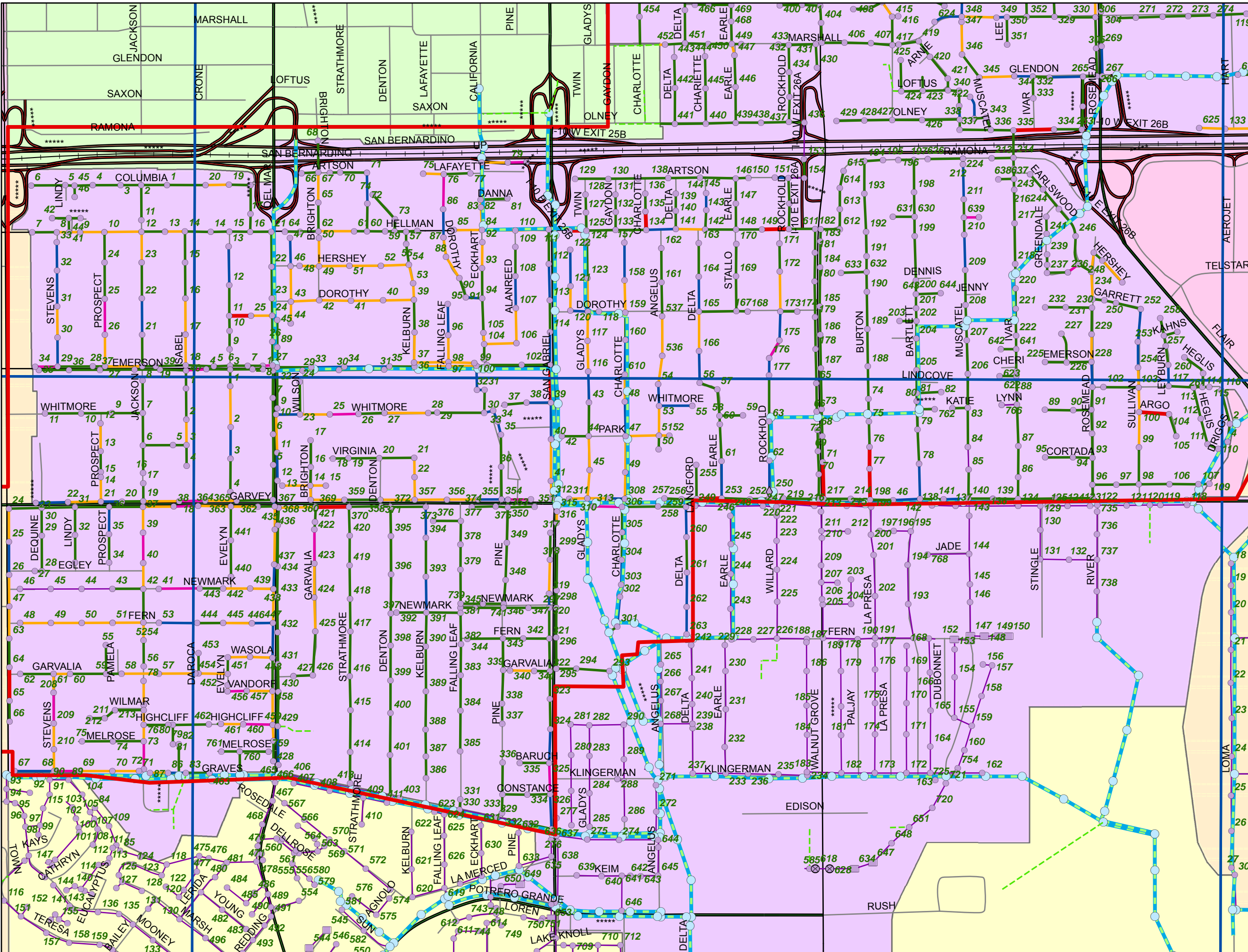
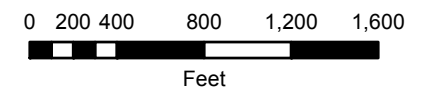
CCTV PROJECT

YOTV0708E

Supervisory District 1

Rosemead

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manhole

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

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk MH
- Non SMD Manhole
- SMD Operations Maps
- CCTV Project Area

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MAY 4, 2009

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20080521	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 169	PSR: 19761
Total Pipe Length: 364	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 05/21/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: EDMOND DR	Flow Control: N Not Controlled	Start MH: 2019-0585
City: RMD	Year Renewed	End MH: 2019-0584
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 335.65 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 364
Drain. Area: 0584/2019-0585/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0585 Survey Begins	00:00:13	1934	
	0.00	Water Level, 5 % of cross sectional area	00:00:31		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:34		M 2
	63.55	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:02:55	1935	
	66.08	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:11	1936	
	77.74	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:39	1937	
	92.22	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:22	1938	
	141.20	Roots Fine Joint, from 07 to 08 o'clock, within 8 inch: YES	00:06:06	1939, b	
	166.95	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:55	1941	
	169.28	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO, Remark: Roots	00:08:14	1942	
	176.38	Roots Fine Joint, from 07 to 08 o'clock, within 8 inch: YES	00:08:56	1943	
	178.13	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:12	1944	
	190.66	Hole, at 12 o'clock, within 8 inch: NO	00:10:15	1945, b	S 5
	222.93	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:30	1947	
	225.45	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:47	1948	
	227.79	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:02	1949	
	278.51	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:50	1950	
	281.14	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:14:04	1951	
	325.74	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:15:18	1952	
	328.17	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:15:34	1953	
	335.65	Downstream Manhole, 2019-0584 Survey Ends	00:16:26		

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



Inspection report

Date: 20080530	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 234	PSR: 20044
Total Pipe Length: 228	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 05/30/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: DUBONNET AV	Flow Control: N Not Controlled	Start MH: 2019-0453
City: RMD	Year Renewed:	End MH: 2019-0262
Location Code: H Alley	Tape/Media #:	Total length surveyed: 187.33 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 228
Drain. Area: 0262/2019-0453/2019	Lining:
	Category:

Comment: **None**

Location details:

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0453		2655	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	6.43	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:54	2656	
	8.83	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:54	2657	
	44.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:58	2658	
	46.68	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:11	2659	
	88.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:27	2660	
	97.88	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:52	2661, b	S 4
	99.49	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:12	2663	
	109.93	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:05:39	2664	S 2
	144.07	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:39	2665	
	149.69	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:59	2666	
	187.33	Downstream Manhole, Survey Ends 2019-0262	00:08:13	2667	

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



Inspection report

Date: 20080605	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 393	PSR: 38484
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/05/2008	Pre-Cleaned: J Jetting	Map Grid #: 1966

Street: PROSPECT AVE	Flow Control: N Not Controlled	Start MH: 1966-0025
City: RMD	Year Renewed:	End MH: 1966-0026
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 350.47 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 350
Drain. Area: 0025/1966-0026/1966	Lining:
	Category:

Comment: **None**

Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1966-0025		4367	
	0.00	Water Level, 5 of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	20.78	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:20	4368	
	29.62	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:44	4369	
	47.59	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:19	4370	
	96.28	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:41	4371	
	101.50	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:04:04	4372, b	S 2
	108.12	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:29	4374	
	138.34	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:24	4375	
	177.90	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:34	4376	
	183.62	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:53	4377	
	220.06	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:57	4378	
	237.93	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:08:33	4379	
	257.31	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:09:12	4380, b	S 4
	271.16	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:55	4382	
	273.87	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:15	4383	
	294.86	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:09	4384	
	315.84	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:02	4385	
	350.47	Downstream Manhole, Survey Ends 1966-0026	00:13:26	4386	

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



Inspection report

Date: 20080605	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 398	PSR: 38489
Total Pipe Length: 218	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/05/2008	Pre-Cleaned: J Jetting	Map Grid #: 1966

Street: EMERSON AV	Flow Control: N Not Controlled	Start MH: 1966-0034
City: RMD	Year Renewed:	End MH: 1966-0029
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 208.12 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 218
Drain. Area: 0029/1966-0034/1966	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:525	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1966-0029		4446, b	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	10.94	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:17	4448	
	39.05	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:02:12	4449, b	S 4
	76.40	Tap Factory Made Abandoned, at 10 o'clock, 6", within 8 inch: YES	00:03:24	4451	
	118.16	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:04:28	4452	
	123.79	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:44	4453	
	159.22	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:05:47	4454	
	161.94	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:59	4455	
	191.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:55	4456	
	200.08	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:17	4457	
	208.12	Vermin Cockroach	00:07:39	4458	M 1
	208.12	Upstream Manhole, Survey Ends 1966-0034	00:07:46	4459	

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



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

Inspection report

Date: 20080609	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 447	PSR: 19999
Total Pipe Length: 395	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: IVAR AV	Flow Control: N Not Controlled	Start MH: 2019-0335
City: RMD	Year Renewed:	End MH: 2019-0334
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 210.1 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 395
Drain. Area: 0334/2019-0335/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0335 Survey Begins	00:00:06	4954	
	0.00	Water Level, 1 of cross sectional area	00:00:31		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:34		M 2
	6.90	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:01:02	4955, b	S 2
	10.30	Tap Factory Made, at 11 o'clock, 4", within 8 inch: NO	00:01:28	4957	
	70.45	Tap Factory Made, at 11 o'clock, 4", within 8 inch: NO	00:03:32	4958	
	124.10	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:48	4959, b	S 3
	131.00	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	00:06:23	4961	
	173.56	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:07:44	4962	
	179.20	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:05	4963	
	193.68	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	00:08:41	4964	
	210.10	Hole Soil Visible, from 06 to 10 o'clock, within 8 inch: YES	00:10:48	4965, b	S 5
	210.10	Survey Abandoned, Remark: CAMERA UNABLE TO PASS	00:12:10	5601a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2200	10	4	14	3.33	2	2.8



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

Inspection report

Date: 20080609	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 496	PSR: 20394
Total Pipe Length: 95	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: EMERSON PL	Flow Control: N Not Controlled	Start MH: 2019-0008
City: RMD	Year Renewed:	End MH: 2019-0027
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 38.65 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 95
Drain. Area: 0008/2019-0027/2019	Lining:
	Category:

Comment: **None**

Location details:

1:100	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0008		5501	
	0.10	Water Level, 15 % of cross sectional area			
	0.10	Water Mark, 20 of cross sectional area			M 2
	10.14	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:01	5502, b	S 4
	30.02	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:06	5504, b	S 4
	38.65	Downstream Manhole, Survey Ends 2019-0027	00:02:50	5506	

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



Inspection report

Date: 20080609	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 499	PSR: 20399
Total Pipe Length: 212	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 2019-0011
City: RMD	Year Renewed:	End MH: 2019-0025
Location Code: H Alley	Tape/Media #:	Total length surveyed: 209.42 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 212
Drain. Area: 0011/2019-0025/2019	Lining:
	Category:

Comment: **None**

Location details:

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0011		5526	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	35.04	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:01:34	5527, b	S 2
	80.42	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:02:57	5529, b	S 3
	109.03	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:56	5531	
	120.67	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:04:23	5532	
	131.52	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:04:51	5533, b	S 1
	146.47	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:33	5535, b	S 3
	155.61	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:06:02	5537, b	S 3
	170.57	Hole Soil Visible, from 08 to 10 o'clock, within 8 inch: YES	00:06:44	5539, b	S 5
	175.69	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:04	5541	
	177.70	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:18	5542	
	179.50	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:07:29	5543, b	S 2
	200.99	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:08:25	5545, b	S 2
	209.42	Downstream Manhole, Survey Ends 2019-0025	00:08:57	5547	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5133	2100	21	2	23	2.63	2	2.56



Inspection report

Date: 20080606	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 528	PSR: 20142
Total Pipe Length: 131	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/06/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: HERSHEY ST	Flow Control: N Not Controlled	Start MH: 2019-0236
City: RMD	Year Renewed	End MH: 2019-0235
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 152.45 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 131
Drain. Area: 0235/2019-0236/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:375	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0236		5911	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	15.20	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:15	5912	
	20.10	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:01:47	5913, b	S 2
	22.65	Fracture Multiple, from 03 to 11 o'clock, within 8 inch: YES	00:02:13	5915, b	S 4
	23.45	Broken, from 07 to 09 o'clock, within 8 inch: YES	00:02:54	5917, b	S 4
	23.60	Infiltration Dripper, from 07 to 09 o'clock, within 8 inch: YES	00:03:18	5919, b	M 3
	24.35	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:16:39	5921	
	27.20	Crack Multiple, from 04 to 02 o'clock, within 8 inch: YES	00:03:24	5922, b	S 3
	152.45	Downstream Manhole, Survey Ends 2019-0235	00:10:31	5924	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	3121	13	5	18	3.25	2.5	3



Inspection report

Date: 20080611	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 540	PSR: 766969
Total Pipe Length: 144	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/11/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: MUSCATEL AV	Flow Control: N Not Controlled	Start MH: 2019-0640
City: RMD	Year Renewed:	End MH: 2019-0639
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 178.4 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 144
Drain. Area: 0639/2019-0640/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:450	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0639		6052	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	127.00	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:04:39	6053, b	M 1
	127.40	Fracture Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:05:16	6055, b	S 4
	146.00	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:06:34	6057	
	170.90	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:45	6058	
	173.30	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:07:57	6059	
	178.40	Upstream Manhole, Survey Ends 2019-0640	00:08:36	6060	

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



Inspection report

Date: 20080609	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 555	PSR: 19651
Total Pipe Length: 289	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/09/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: ARGO PL	Flow Control: N Not Controlled	Start MH: 2020-0104
City: RMD	Year Renewed:	End MH: 2020-0100
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 103.65 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 289
Drain. Area: 0100/2020-0104/2020	Lining:
	Category:

Comment: **NONE**

Location details:

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0104		6258	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	22.55	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:15	6259	
	28.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:38	6260	
	34.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:02	6261	
	45.70	Crack Spiral, from 07 to 10 o'clock, within 8 inch: YES	00:02:31	6262, b	S 2
	91.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:07	6264	
	99.40	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:04:28	6265, b	S 2
	103.65	Collapse Pipe Sewer, 70 %	00:05:07	6267, b	S 5
	103.65	Survey Abandoned, Remark: COLLAPSE PIPE	00:11:49	6269, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	2200	9	4	13	3	2	2.6



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Inspection report

Date: 20080618	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 612	PSR: 19796
Total Pipe Length: 242	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: VALLEY BV	Flow Control: N Not Controlled	Start MH: 2019-0497
City: RMD	Year Renewed:	End MH: 2072-0049
Location Code: F Sidewalk	Tape/Media #:	Total length surveyed: 236.24 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 242
Drain. Area: 0049/2072-0497/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0497 Survey Begins	00:00:07	6926	
	2.53	Water Level, 5 % of cross sectional area	00:00:29		
	2.53	Water Mark, 10 % of cross sectional area	00:00:30		M 2
	26.43	Hole, at 11 o'clock, within 8 inch: NO	00:01:56	6927, b	S 5
	57.53	Crack Circumferential, from 07 to 09 o'clock, within 8 inch: YES	00:03:11	6929, b	S 1
	61.90	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:38	6931	
	133.13	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:06:08	6932	
	162.87	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:12	6933	
	219.33	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:09:13	6934	
	236.24	Downstream Manhole, 2072-0049 Survey Ends	00:10:42	6935	

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



Inspection report

Date: 20080616	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 632	PSR: 121031
Total Pipe Length: 280	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/16/2008	Pre-Cleaned: J Jetting	Map Grid #: 2072

Street: RALPH ST	Flow Control: N Not Controlled	Start MH: 2072-0106
City: RMD	Year Renewed:	End MH: 2072-0104
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 293.96 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 280
Drain. Area: 0104/2072-0106/2072	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2072-0106 Survey Begins	00:00:05	7218	
	1.46	Water Level, 5 % of cross sectional area	00:00:28		
	1.46	Water Mark, 10 % of cross sectional area	00:00:29		M 2
	12.15	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:00:57	7219	
	14.67	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:20	7220	
	26.04	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:54	7221	
	28.47	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:09	7222	
	75.90	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:02	7223	
	93.29	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:04:57	7224	
	107.97	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:38	7225	
	131.19	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:37	7226	
	187.75	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:43	7227	
	211.17	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:54	7228	
	283.28	Hole Soil Visible, from 12 to 02 o'clock, within 8 inch: NO	00:12:38	7229, b	S 5
	293.96	Downstream Manhole, 2072-0104 Survey Ends	00:13:43	7231	

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



Inspection report

Date: 20080617	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 642	PSR: 20267
Total Pipe Length: 163	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: HELLMAN AV	Flow Control: N Not Controlled	Start MH: 2019-0126
City: RMD	Year Renewed:	End MH: 2019-0125
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 171.55 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 163
Drain. Area: 0125/2019-0126/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:425	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0125		7359	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	16.60	Hole Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:01:23	7360, b	S 5
	125.10	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:04:22	7362	
	127.85	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:04:32	7363	
	164.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:32	7364	
	166.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:42	7365	
	171.55	Upstream Manhole, Survey Ends 2019-0126	00:06:04	7366	

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



Inspection report

Date: 20080618	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 652	PSR: 20277
Total Pipe Length: 179	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: CHARLOTTE AV	Flow Control: N Not Controlled	Start MH: 2019-0135
City: RMD	Year Renewed:	End MH: 2019-0134
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 201.75 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 179
Drain. Area: 0134/2019-0135/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:500	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0134		7450	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	30.80	Hole Soil Visible, from 07 to 05 o'clock, within 8 inch: YES	00:02:23	7451, b	S 5
	56.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:30	7453	
	70.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:59	7454	
	95.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:44	7455	
	100.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:06	7456	
	146.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:21	7457	
	148.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:31	7458	
	194.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:41	7459	
	196.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:53	7460	
	201.75	Upstream Manhole, Survey Ends 2019-0135	00:08:26	7461	

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



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Inspection report

Date: 20080620	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 667	PSR: 20171
Total Pipe Length: 264	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/20/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

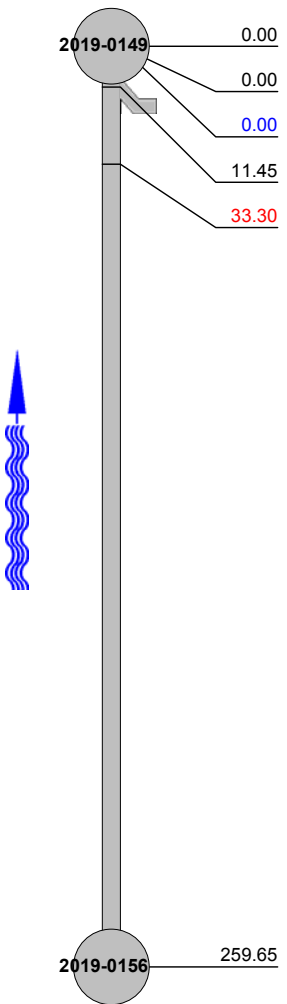
Street: HELLMAN AV	Flow Control: N Not Controlled	Start MH: 2019-0149
City: RMD	Year Renewed:	End MH: 2019-0156
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 259.65 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 264
Drain. Area: 0149/2019-0156/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:650	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0156		7594	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 of cross sectional area			M 2
	11.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:22	7595	
	33.30	Hole Void Visible, from 12 to 03 o'clock, within 8 inch: YES	00:02:24	7596, b	S 5
	259.65	Upstream Manhole, Survey Ends 2019-0149	00:08:54	7598	



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



Inspection report

Date: 20080619	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 676	PSR: 20197
Total Pipe Length: 184	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: ROCKHOLD AV	Flow Control: N Not Controlled	Start MH: 2019-0175
City: RMD	Year Renewed:	End MH: 2019-0176
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 195.95 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 184
Drain. Area: 0175/2019-0176/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0175		7682	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	25.60	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:42	7683	
	49.05	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: NO	00:01:53	7684, b	S 1
	64.80	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:02:47	7686, b	S 4
	66.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:06	7688	
	103.05	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:13	7689	
	111.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:39	7690	
	146.80	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:50	7691	
	148.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:02	7692	
	150.85	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:17	7693	
	195.95	Downstream Manhole, Survey Ends 2019-0176	00:07:54	7694	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2100	5	2	7	2.5	2	2.33



Inspection report

Date: 20080616	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 700	PSR: 19624
Total Pipe Length: 212	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/16/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: BURTON AV	Flow Control: N Not Controlled	Start MH: 2020-0076
City: RMD	Year Renewed:	End MH: 2020-0077
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 318.35 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 212
Drain. Area: 0076/2020-0077/2020	Lining:
	Category:

Comment: **NONE**

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0076		7992	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	6.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:50	7993	
	35.50	Crack Spiral, from 12 to 03 o'clock, within 8 inch: YES	00:02:08	7994, b	S 2
	42.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:39	7996	
	53.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:10	7997	
	62.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:37	7998	
	87.75	Roots Fine Joint, from 04 to 05 o'clock, within 8 inch: YES	00:04:30	7999, b	M 1
	113.55	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:37	8001	
	155.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:40	8002	
	169.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:23	8003	
	208.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:41	8004	
	239.65	Hole Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:10:55	8005, b	S 5
	250.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:38	8007	
	318.35	Downstream Manhole, Survey Ends 2020-0077	00:14:20	8008	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2111	7	3	10	3.5	1.5	2.5



Inspection report

Date: 20080617	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 701	PSR: 19625
Total Pipe Length: 299	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: BURTON AV	Flow Control: N Not Controlled	Start MH: 2020-0077
City: RMD	Year Renewed:	End MH: 2020-0198
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 319.05 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 299
Drain. Area: 0077/2020-0198/2020	Lining:
	Category:

Comment: **REVERSE INSPECTION**

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0077		8009	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	7.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:00	8010	
	43.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:05	8011	
	55.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:30	8012	
	64.35	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:53	8013	
	89.80	Roots Fine Joint, at 04 o'clock, within 8 inch: YES	00:03:37	8014, b	M 1
	115.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:28	8016	
	154.80	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:34	8017	
	169.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:06	8018	
	208.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:13	8019	
	239.80	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: YES	00:08:10	8020, b	S 5
	250.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:40	8022	
	319.05	Downstream Manhole, Survey Ends 2020-0198	00:10:55	8023	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2111	5	3	8	5	1.5	2.67



Inspection report

Date: 20080616	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 726	PSR: 24488
Total Pipe Length: 198	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/16/2008	Pre-Cleaned: J Jetting	Map Grid #: 1966

Street: EMERSON PL	Flow Control: N Not Controlled	Start MH: 1966-0040
City: RMD	Year Renewed:	End MH: 2019-0004
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 212.73 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 198
Drain. Area: 0040/1966-0004/2019	Lining:
	Category:

Comment: **None**

Location details:

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1966-0040		5950_1a	
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 15 % of cross sectional area			M 2
	25.70	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:01:16	5950_4a, b	S 4
	66.06	Water Level, 20 of cross sectional area	00:02:52	5950_5a	
	88.05	Water Level, 10 % of cross sectional area	00:03:42		
	94.27	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:02	5950_7a	
	123.79	Tap Break-In Capped, at 03 o'clock, 4", within 8 inch: YES	00:05:00	5950_8a	M 2
	150.69	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:06	5950_9a	
	194.26	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:33	5950_10a	
	212.73	Downstream Manhole, Survey Ends 2019-0004	00:08:14	5950_11a	

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



Inspection report

Date: 20080612	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 732	PSR: 24489
Total Pipe Length: 251	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/12/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 1967-0018
City: RMD	Year Renewed:	End MH: 2020-0363
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 325.78 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 251
Drain. Area: 0018/1967-0363/2020	Lining:
	Category:

Comment: **None**

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0018		5956_1a	
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 15 % of cross sectional area			M 2
	37.45	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:01:48	5956_4a	S 2
	38.65	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES, Remark: GREASE	00:02:00	5956_5a	
	51.60	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:27	5956_6a, b	S 2
	55.72	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:02:48	5956_7a, b	S 1
	87.04	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES, Remark: GREASE	00:03:52	5956_8a	
	152.70	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:05:55	5956_9a	
	169.57	Crack Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:06:31	5956_10a, b	S 3
	181.51	Crack Spiral, from 01 to 04 o'clock, within 8 inch: YES	00:07:05	5956_11a, b	S 2
	193.96	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:07:41	5956_12a, b	S 3
	196.07	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:07:55	5956_13a, b	S 4
	215.34	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:08:44	5956_14a	
	220.36	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:09:08	5956_15a, b	S 2
	225.18	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:09:29	5956_16a	
	268.95	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:10:57	5956_17a, b	S 3
	276.18	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:11:27	5956_18a	
	295.96	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:12:26	5956_19a, b	S 2
	312.02	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:13:07	5956_20a	
	316.24	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:13:27	5956_21a, b	S 3
	325.78	Downstream Manhole, Survey Ends 2020-0363	00:14:00	5956_22a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4134	2100	27	2	29	2.45	2	2.42



Inspection report

Date: 20080617	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 754	PSR: 24490
Total Pipe Length: 236	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 1967-0038
City: RMD	Year Renewed:	End MH: 2020-0364
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 300.68 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 236
Drain. Area: 0038/1967-0364/2020	Lining:
	Category:

Comment: **None**

Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0038		5980_1a	
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 15 % of cross sectional area			M 2
	33.43	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:01:50	5980_4a	
	79.81	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:27	5980_5a, b	S 3
	134.73	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:22	5980_6a	
	211.13	Crack Multiple, from 12 to 03 o'clock, within 8 inch: YES	00:07:41	5980_7a, b	S 3
	226.89	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:08:36	5980_8a	
	237.33	Fracture Multiple, from 04 to 06 o'clock, within 8 inch: YES	00:09:05	5980_9a, b	S 4
	300.68	Downstream Manhole, Survey Ends 2020-0364	00:11:10	5980_10a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	10	2	12	3.33	2	3



Inspection report

Date: 20080617	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 755	PSR: 38418
Total Pipe Length: 296	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: JACKSON AV	Flow Control: N Not Controlled	Start MH: 1967-0040
City: RMD	Year Renewed:	End MH: 1967-0039
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 276.38 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 296
Drain. Area: 0039/1967-0040/1967	Lining:
	Category:

Comment: **None**

Location details:

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0040		5981_1a	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	63.25	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:27	5981_4a, b	S 2
	65.36	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:44	5981_5a	
	73.89	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:03:07	5981_6a	
	79.41	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:03:27	5981_7a	
	117.66	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:38	5981_8a, b	S 3
	120.37	Fracture Multiple, from 06 to 10 o'clock, within 8 inch: YES	00:05:13	5981_9a, b	S 4
	158.82	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:06:39	5981_10a	
	167.36	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:06	5981_11a	
	216.05	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:37	5981_12a	
	227.49	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:11	5981_13a	
	276.38	Downstream Manhole, Survey Ends 1967-0039	00:10:42	5981_14a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	9	2	11	3	2	2.75



Inspection report

Date: 20080613	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 775	PSR: 38440
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/13/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: NEW AV	Flow Control: N Not Controlled	Start MH: 1967-0065
City: RMD	Year Renewed:	End MH: 1967-0064
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 250.28 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 324
Drain. Area: 0064/1967-0065/1967	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1967-0064		6001_1a	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	5.12	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:00:59		
	58.13	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:22	6001_5a, b	S 3
	79.61	Crack Circumferential, from 01 to 04 o'clock, within 8 inch: YES	00:03:08	6001_6a, b	S 1
	87.14	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:32	6001_7a	
	93.87	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:50	6001_8a, b	S 4
	115.95	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:39	6001_9a, b	S 4
	122.48	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:06	6001_10a, b	S 4
	134.23	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:42	6001_11a, b	S 4
	141.25	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:06:33	6001_12a, b	S 5
	210.63	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:08:50	6001_13a, b	S 2
	229.10	Crack Circumferential, from 08 to 03 o'clock, within 8 inch: YES	00:09:39	6001_14a, b	S 1
	233.62	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES, Remark: Roots	00:10:18	6001_15a	
	241.65	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:44	6001_16a	
	250.28	Downstream Manhole, Survey Ends 1967-0064	00:11:13	6001_17a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5144	2100	28	2	30	3.11	2	3



Inspection report

Date: 20080618	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 778	PSR: 38443
Total Pipe Length: 247	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: GRAVES AV	Flow Control: N Not Controlled	Start MH: 1967-0068
City: RMD	Year Renewed:	End MH: 1967-0069
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 199.38 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 247
Drain. Area: 0068/1967-0069/1967	Lining:
	Category:

Comment: **FLOW MISS-MARK ON MAP**

Location details:

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0069		6004_1a	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	16.87	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:01:06	6004_4a	
	89.85	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:16	6004_5a	
	117.76	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:04:26	6004_6a, b	S 4
	147.18	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:05:30	6004_7a	
	163.74	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:06:13	6004_8a, b	S 3
	177.30	Vermin Rat, 2, within 8 inch: YES	00:06:54	6004_9a	M 2
	185.43	Fracture Circumferential, from 08 to 01 o'clock, within 8 inch: YES	00:07:17	6004_10a, b	S 2
	199.38	Downstream Manhole, Survey Ends 1967-0068	00:08:35	6004_11a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	9	4	13	3	2	2.6



Inspection report

Date: 20080620	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 783	PSR: 38384
Total Pipe Length: 271	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/20/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: JACKSON AV	Flow Control: N Not Controlled	Start MH: 1967-0073
City: RMD	Year Renewed:	End MH: 1967-0072
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 294.86 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 271
Drain. Area: 0072/1967-0073/1967	Lining:
	Category:

Comment: **None**

Location details:

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0073		6009_1a	
	0.00	Water Level, 25 % of cross sectional area	00:01:22		
	0.00	Water Mark, 25 % of cross sectional area	00:01:26		M 2
	9.14	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:02:08	6009_4a, b	S 3
	21.79	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:03:15	6009_5a	
	33.03	Water Level, 20 % of cross sectional area	00:04:14		
	60.54	Water Level, 15 of cross sectional area	00:05:10		
	86.04	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:05:57	6009_8a	
	106.82	Water Level, 10 % of cross sectional area	00:06:36		
	148.68	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:07:44	6009_10a	S 2
	177.50	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:08:30	6009_11a	
	181.11	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:08:49	6009_12a, b	S 3
	212.23	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:09:48	6009_13a, b	S 4
	223.38	Fracture Multiple, from 04 to 07 o'clock, within 8 inch: YES	00:10:18	6009_14a, b	S 4
	232.11	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:10:46	6009_15a	
	294.86	Downstream Manhole, Survey Ends 1967-0072	00:12:36	6009_16a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2100	16	2	18	3.2	2	3



Inspection report

Date: 20080618	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 792	PSR: 38196
Total Pipe Length: 300	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: STEVENS AV	Flow Control: N Not Controlled	Start MH: 1967-0209
City: RMD	Year Renewed:	End MH: 1967-0208
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 316.04 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 300
Drain. Area: 0208/1967-0209/1967	Lining:
	Category:

Comment: **None**

Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1967-0209		6018_1a	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	8.83	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:01:04	6018_4a	
	9.64	Crack Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:01:20	6018_5a, b	S 3
	11.04	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:38	6018_6a	
	39.56	Fracture Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:02:31	6018_7a, b	S 4
	59.33	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:13	6018_8a	
	80.11	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:56	6018_9a	
	94.77	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:34	6018_10a	
	155.41	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:18	6018_11a	
	167.06	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:48	6018_12a	
	212.94	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:04	6018_13a	
	217.95	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:08:23	6018_14a	
	236.23	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:09:07	6018_15a	
	243.05	Tap Break-In Active, at 03 o'clock, 4", within 8 inch: YES	00:09:27	6018_16a	
	256.10	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:09:59	6018_17a, b	S 3
	302.69	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:11:32	6018_18a	
	305.40	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:11:50	6018_19a	
	309.41	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:12:07	6018_20a, b	S 3
	316.04	Downstream Manhole, Survey Ends 1967-0208	00:12:50	6018_21a	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2100	13	2	15	3.25	2	3



Inspection report

Date: 20080624	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 821	PSR: 20089
Total Pipe Length: 352	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: ROSEMEAD BV	Flow Control: N Not Controlled	Start MH: 2019-0302
City: RMD	Year Renewed:	End MH: 2019-0303
Location Code: F Sidewalk	Tape/Media #:	Total length surveyed: 350.7 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 352
Drain. Area: 0302/2019-0303/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0302		9415	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	4.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:39	9416	
	63.00	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:20	9417	
	89.65	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:13	9418	
	137.00	Fracture Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:05:10	9419, b	S 4
	138.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:50	9421	
	199.20	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:56	9422	
	257.15	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:45	9423	
	311.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:33	9424	
	350.70	Downstream Manhole, Survey Ends 2019-0303	00:13:26	9425	

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



Inspection report

Date: 20080623	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 833	PSR: 24491
Total Pipe Length: 399	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/23/2008	Pre-Cleaned: J Jetting	Map Grid #: 1967

Street: NEWMARK AV	Flow Control: N Not Controlled	Start MH: 1967-0041
City: RMD	Year Renewed:	End MH: 2020-0443
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 300.48 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 399
Drain. Area: 0041/1967-0443/2020	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2020-0443		9498	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	4.92	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:00:56	9499	
	7.73	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:13	9500	
	56.22	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:28	9501	
	89.05	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:03:24	9502	
	89.55	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:03:39	9503, b	S 2
	94.77	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:59	9505	
	134.03	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:01	9506	
	139.85	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:17	9507	
	179.00	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:22	9508	
	181.51	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:33	9509	
	205.51	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:19	9510	
	206.11	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:07:29	9511, b	S 2
	217.15	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:07	9513	
	227.09	Fracture Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:08:37	9514, b	S 4
	231.91	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:09:03	9516	
	292.85	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:36	9517	
	295.46	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:50	9518	
	300.48	Upstream Manhole, Survey Ends 1967-0041	00:11:46	9519	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2100	8	2	10	2.67	2	2.5



Inspection report

Date: 20080624	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 851	PSR: 19274
Total Pipe Length: 187	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: VANDORF ST	Flow Control: N Not Controlled	Start MH: 2020-0456
City: RMD	Year Renewed:	End MH: 2020-0457
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 221.97 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 187
Drain. Area: 0456/2020-0457/2020	Lining:
	Category:

Comment: **None**

Location details:

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0456		9690	
	0.00	Water Level, 5 % of cross sectional area			
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	<u>5.22</u>	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:02:05	9691, b	S 3
	<u>9.24</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:32	9693	
	<u>20.48</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:12	9694	
	<u>41.16</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:51	9695	
	<u>66.56</u>	Crack Circumferential, from 11 to 03 o'clock, within 8 inch: YES	00:04:40	9696, b	S 1
	<u>68.67</u>	Fracture Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:05:00	9698, b	S 4
	<u>94.87</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:15	9700	
	<u>100.69</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:06:31	9701	
	<u>145.67</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:46	9702	
	<u>156.21</u>	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:08:25	9703, b	S 4
	<u>175.89</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:21	9705	
	<u>182.92</u>	Crack Circumferential, from 03 to 06 o'clock, within 8 inch: YES	00:09:46	9706, b	S 1
	<u>193.56</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:10:14	9708	
	<u>221.97</u>	Downstream Manhole, Survey Ends 2020-0457	00:11:08	9709	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2100	13	2	15	2.6	2	2.5



Inspection report

Date: 20080624	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 855	PSR: 19277
Total Pipe Length: 286	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: HIGHCLIFF ST	Flow Control: N Not Controlled	Start MH: 2020-0460
City: RMD	Year Renewed:	End MH: 2020-0459
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 289.03 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 286
Drain. Area: 0459/2020-0460/2020	Lining:
	Category:

Comment: **None**

Location details:

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0460		9739	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	5.22	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:00:55	9740, b	S 3
	33.63	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:59	9742	
	72.79	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:18	9743	
	74.29	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:03:32	9744, b	S 2
	75.19	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:54	9746	
	77.81	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:04:07	9747, b	S 4
	80.72	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES, Remark: BROCKEN	00:04:42	9749, b	
	129.01	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:24	9751	
	134.53	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:46	9752	
	166.55	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:07:46	9753, b	S 2
	182.01	Crack Spiral, from 01 to 06 o'clock, within 8 inch: YES	00:08:23	9755, b	S 2
	203.40	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:09:17	9757, b	S 3
	240.94	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:32	9759	
	289.03	Downstream Manhole, Survey Ends 2020-0459	00:12:38	9760	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	16	2	18	2.67	2	2.57



Inspection report

Date: 20080624	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: RRUIZ	section number: 882	PSR: 120962
Total Pipe Length: 189	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 2072

Street: MARYBETH ST	Flow Control: N Not Controlled	Start MH: 2072-0156
City: RMD	Year Renewed:	End MH: 2072-0155
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 267.74 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 189
Drain. Area: 0155/2072-0156/2072	Lining:
	Category:

Comment: **NONE**

Location details:

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2072-0156 Survey Begins	00:00:07	10021	
	2.21	Water Level, 5 % of cross sectional area	00:00:26		
	2.21	Water Mark, 5 % of cross sectional area	00:00:27		M 2
	28.02	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:27	10022	
	33.54	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:50	10023	
	81.04	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:29	10024	
	83.55	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:44	10025	
	131.36	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:56	10026	
	133.67	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:13	10027	
	154.96	Hole, at 12 o'clock, within 8 inch: NO	00:08:34	10028, b	S 5
	172.63	Repair Point, at 12 o'clock, within 8 inch: NO	00:10:21	10030	
	181.57	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:04	10031	
	184.28	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:22	10032	
	201.86	Repair Point, at 12 o'clock, within 8 inch: NO	00:12:23	10033, b	
	235.00	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:14:00	10035	
	237.51	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:14:16	10036	
	243.23	Repair Point, at 12 o'clock, within 8 inch: NO	00:14:50	10037, b	
	248.66	Repair Point, at 12 o'clock, within 8 inch: NO	00:15:38	10039, b	
	267.74	Downstream Manhole, 2072-0155 Survey Ends	00:17:20	10041, b	

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



Inspection report

Date: 20080627	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 906	PSR: 19243
Total Pipe Length: 332	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/27/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: BRIGHTON ST	Flow Control: N Not Controlled	Start MH: 2020-0423
City: RMD	Year Renewed:	End MH: 2020-0422
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 325.07 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 332
Drain. Area: 0422/2020-0423/2020	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2020-0422		10267	
	0.00	Water Level, 5 % of cross sectional area			
	<u>0.00</u>	Water Mark, 10 % of cross sectional area			M 2
	<u>10.34</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:08	10268	
	<u>16.26</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:23	10269	
	<u>23.39</u>	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:01:47	10270, b	S 2
	<u>66.26</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:10	10272	
	<u>75.40</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:28	10273	
	<u>112.14</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:33	10274	
	<u>114.15</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:44	10275	
	<u>164.14</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:06:10	10276	
	<u>183.32</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:46	10277	
	<u>219.66</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:49	10278	
	<u>222.07</u>	Fracture Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:08:02	10279, b	S 4
	<u>269.06</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:27	10281	
	<u>285.32</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:03	10282	
	<u>318.15</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:11:02	10283	
	<u>325.07</u>	Upstream Manhole, Survey Ends 2020-0423	00:12:07	10284	

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



Inspection report

Date: 20080626	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 957	PSR: 19366
Total Pipe Length: 280	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/26/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 2020-0313
City: RMD	Year Renewed:	End MH: 2020-0306
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 225.2 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 280
Drain. Area: 0306/2020-0313/2020	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2020-0306		10843	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 of cross sectional area			M 2
	42.35	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:42	10844	
	81.20	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:46	10845	
	132.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:24	10846	
	181.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:10	10847	
	223.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:21	10848	
	223.80	Fracture Multiple, from 05 to 07 o'clock, within 8 inch: YES	00:07:34	10849, b	S 4
	225.20	Upstream Manhole, Survey Ends 2020-0313	00:08:13	10851	

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



Inspection report

Date: 20080630	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 990	PSR: 19435
Total Pipe Length: 245	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/29/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 2020-0254
City: RMD	Year Renewed:	End MH: 2020-0253
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 235.2 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 245
Drain. Area: 0253/2020-0254/2020	Lining:
	Category:

Comment: **NONE**

Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0254		9	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	5.15	Crack Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:01:03	205, b	S 3
	15.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:32	207	
	107.25	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:02	208	
	155.95	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:45	209	
	229.15	Hole Soil Visible, from 10 to 01 o'clock, within 8 inch: YES	00:08:07	210, b	S 5
	235.20	Downstream Manhole, Survey Ends 2020-0253	00:09:04	212	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2100	8	2	10	4	2	3.33



Inspection report

Date: 20080703	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1008	PSR: 19388
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/02/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: SAN GABRIEL BV	Flow Control: N Not Controlled	Start MH: 2020-0326
City: RMD	Year Renewed:	End MH: 2020-0325
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 304.85 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 304
Drain. Area: 0325/2020-0326/2020	Lining:
	Category:

Comment: **NONE**

Location details:

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0326		452	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	42.90	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:42	480	
	64.00	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:35	481	
	109.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:50	482	
	110.40	Crack Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:04:02	483, b	S 3
	147.60	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:05:35	485, b	S 4
	148.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:53	487	
	162.10	Crack Spiral, from 12 to 02 o'clock, within 8 inch: YES	00:06:34	488, b	S 2
	189.15	Joint Offset Medium	00:07:27	490, b	S 1
	190.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:41	492	
	191.80	Crack Multiple, from 07 to 03 o'clock, within 8 inch: YES	00:07:50	493, b	S 3
	198.55	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:08:19	495, b	S 2
	230.05	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:21	497	
	263.10	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:26	498	
	298.15	Crack Spiral, from 10 to 12 o'clock, within 8 inch: YES	00:11:31	499, b	S 2
	304.85	Downstream Manhole, Survey Ends 2020-0325	00:12:19	501	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	17	2	19	2.43	2	2.38



Inspection report

Date: 20080708	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1029	PSR: 19905
Total Pipe Length: 218	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/08/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: VALLEY BV	Flow Control: N Not Controlled	Start MH: 2019-0484
City: RMD	Year Renewed:	End MH: 2019-0485
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 201.25 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 218
Drain. Area: 0484/2019-0485/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0484		237	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 of cross sectional area			M 2
	7.00	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:00:40	238	
	33.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:01:28	239, b	S 3
	97.25	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:03:27	241, b	S 4
	110.50	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:04:00	243	
	126.55	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:04:43	244, b	S 3
	133.45	Crack Multiple, from 11 to 06 o'clock, within 8 inch: YES	00:05:07	246, b	S 3
	179.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:06:37	248, b	S 3
	194.45	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:07:11	250, b	S 3
	201.25	Downstream Manhole, Survey Ends 2019-0485	00:07:39	252	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4135	2100	19	2	21	3.17	2	3



Inspection report

Date: 20080707	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1031	PSR: 19907
Total Pipe Length: 336	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/07/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: VALLEY BV	Flow Control: N Not Controlled	Start MH: 2019-0487
City: RMD	Year Renewed	End MH: 2019-0486
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 348.05 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 336
Drain. Area: 0486/2019-0487/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0486		181	
	0.00	Water Level, 5 % of cross sectional area			
	<u>0.00</u>	Water Mark, 5 % of cross sectional area			M 2
	6.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:47	182	
	62.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:09	183	
	116.10	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:37	184	
	149.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:44	185	
	206.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:23	186	
	<u>226.35</u>	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:07:16	187, b	S 3
	240.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:05	189	
	<u>258.20</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:56	190, b	S 2
	<u>291.45</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:09:54	192, b	S 4
	320.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:48	194	
	336.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:18	195	
	348.05	Upstream Manhole, Survey Ends 2019-0487	00:11:48	196	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	9	2	11	3	2	2.75



Inspection report

Date: 20080707	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1065	PSR: 120977
Total Pipe Length: 266	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/07/2008	Pre-Cleaned: J Jetting	Map Grid #: 2072

Street: LASHBROOK AV	Flow Control: N Not Controlled	Start MH: 2072-0170
City: RMD	Year Renewed:	End MH: 2072-TRUN
Location Code: PSR 120977	Tape/Media #:	Total length surveyed: 332.25 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 266
Drain. Area: 0170/2072-TRUNK/2072	Lining:
	Category:

Comment: **ENDS AT 2072-0168**

Location details:

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2072-0170 Survey Begins	00:00:10	641	
	0.87	Water Level, 5 % of cross sectional area	00:00:27		
	<u>0.87</u>	Water Mark, 5 % of cross sectional area	00:00:28		M 2
	3.60	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:00:47	642	
	6.03	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:08	643	
	35.86	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:16	644	
	38.19	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:30	645	
	<u>70.07</u>	Fracture Circumferential, from 11 to 01 o'clock, within 8 inch: YES	00:03:57	646, b	S 2
	91.64	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:00	648	
	94.36	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:14	649	
	<u>111.95</u>	Fracture Circumferential, from 11 to 01 o'clock, within 8 inch: NO	00:06:13	650, b	S 2
	148.29	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:35	652	
	151.02	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:51	653	
	<u>152.67</u>	Tap Break-In Capped, at 12 o'clock, 4", within 8 inch: NO	00:08:14	654	M 2
	<u>173.76</u>	Tap Break-In Capped, at 12 o'clock, 4", within 8 inch: NO	00:09:03	655	M 2
	<u>252.76</u>	Tap Break-In Capped, at 12 o'clock, 4", within 8 inch: NO	00:11:21	656	M 2
	255.48	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:38	657	
	<u>257.43</u>	Tap Break-In Capped, at 12 o'clock, 4", within 8 inch: NO	00:11:52	658	M 2
	<u>323.90</u>	Fracture Longitudinal, at 10 o'clock, within 8 inch: NO	00:14:14	659, b	S 3
	<u>329.05</u>	Hole Void Visible, from 02 to 05 o'clock, within 8 inch: YES, Remark: INSIDE A TRNK MANHOLE	00:16:23	661, b	S 5
	332.25	Downstream Manhole, 2072-TRNK Survey Ends	00:17:02	663	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2500	12	10	22	3	2	2.44



Inspection report

Date: 20080707	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1083	PSR: 120880
Total Pipe Length: 406	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/07/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 2072

Street: STRANG AV	Flow Control: N Not Controlled	Start MH: 2072-0195
City: RMD	Year Renewed	End MH: 2072-0194
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 346.44 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 406
Drain. Area: 0194/2072-0195/2072	Lining:
	Category:

Comment: **NONE**

Location details:

1:434	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2072-0195 Survey Begins	00:00:07	564	
	0.00	Water Level, 10 % of cross sectional area	00:00:34		
	0.00	Water Mark, 15 % of cross sectional area	00:00:36		M 2
	17.39	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:24	565	
	46.06	Crack Circumferential, from 08 to 05 o'clock, within 8 inch: YES	00:02:39	566, b	S 1
	46.84	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:00	568	
	64.53	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:52	569	
	92.51	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:05:30	570, b	S 1
	96.89	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:58	572	
	107.09	Crack Circumferential, from 10 to 05 o'clock, within 8 inch: YES	00:06:39	573, b	S 1
	123.13	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:37	575	
	125.36	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:08:01	576, b	S 1
	129.64	Tap Break-In, at 02 o'clock, 4", within 8 inch: NO	00:08:42	578	
	129.64	Crack Longitudinal, at 03 o'clock, within 8 inch: NO	00:09:13	579, b	S 2
	129.64	Crack Longitudinal, at 07 o'clock, within 8 inch: NO	00:09:46	581, b	S 2
	129.64	Hole, at 07 o'clock, within 8 inch: NO	00:09:58	583, b	S 5
	133.43	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:11:00	585	S 2
	136.34	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: NO	00:11:22	586, b	S 1
	152.57	Broken, from 04 to 05 o'clock, within 8 inch: NO	00:12:47	588, b	S 4
	154.81	Crack Multiple, from 12 to 12 o'clock, within 8 inch: NO	00:13:17	590, b	S 3
	157.62	Crack Longitudinal, at 12 o'clock, within 8 inch: NO	00:13:59	592, b	S 2
	162.87	Water Level, Sag in pipe, 40 % of cross sectional area	00:14:37	594	M 3
	164.91	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: NO	00:15:01	595	
	166.18	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:15:21	596, b	S 1
	173.66	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:16:40	598	



Inspection report

Date: 20080708	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 1114	PSR: 19694
Total Pipe Length: 279	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/08/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: WHITMORE ST	Flow Control: N Not Controlled	Start MH: 2020-0025
City: RMD	Year Renewed:	End MH: 2020-0026
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 350.07 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 279
Drain. Area: 0025/2020-0026/2020	Lining:
	Category:

Comment: **None**

Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0025			760
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	16.06	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:01:15		761
	24.60	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:40		762
	45.88	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:23		763
	73.09	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:17		764
	94.27	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:57		765
	99.69	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:04:18		766
	127.00	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:08		767
	141.96	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:41		768
	194.46	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:07:06	769, b	S 3
	209.42	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:43		771
	215.14	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:08:02		772
	222.47	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:08:23	773, b	S 2
	244.56	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:09:19	775, b	S 3
	267.25	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:10:09		777
	268.55	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:10:21	778, b	S 4
	269.76	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:40		780
	318.45	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:05		781
	327.18	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:12:28		782
	350.07	Downstream Manhole, Survey Ends 2020-0026	00:13:19		783

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2100	12	2	14	3	2	2.8



Inspection report

Date: 20080630	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: J. Salas	section number: 1127	PSR: 19313
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/30/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 2020-0369
City: RMD	Year Renewed:	End MH: 2020-0370
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 353.19 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 324
Drain. Area: 0369/2020-0370/2020	Lining:
	Category:

Comment: **None**

Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2020-0369			139
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	38.85	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:33		140
	93.27	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:02:49		141
	156.51	Tap Factory Made Abandoned, at 02 o'clock, 4", within 8 inch: YES	00:04:18		142
	210.43	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:05:39		143
	255.40	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:49		144
	300.48	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:07:56		145
	316.44	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:08:22	146, b	S 4
	320.16	Hole Void Visible, from 01 to 04 o'clock, within 8 inch: YES	00:08:48	148, b	S 5
	322.67	Hole Soil Visible, from 12 to 05 o'clock, within 8 inch: YES	00:09:12	150, b	S 5
	353.19	Downstream Manhole, Survey Ends 2020-0370	00:10:09		152

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5241	2100	14	2	16	4.67	2	4



Inspection report

Date: 20080715	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1253	PSR: 20220
Total Pipe Length: 341	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/15/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: LAFAYETTE ST	Flow Control: N Not Controlled	Start MH: 2019-0076
City: RMD	Year Renewed:	End MH: 2019-0086
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 346.15 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 341
Drain. Area: 0076/2019-0086/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0076 Survey Begins	00:00:03		
	0.00	Water Level, 5 % of cross sectional area	00:00:23		
	<u>0.00</u>	Water Mark, 5 % of cross sectional area	00:00:29		M 2
	<u>0.00</u>	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:00:33	573, b	S 4
	51.12	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:45	575	
	68.02	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:21	576	
	103.98	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:04:37	577	
	106.41	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:49	578	
	147.71	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:08	579	
	174.14	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:59	580	
	191.83	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:43	581	
	206.41	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:20	582	
	220.79	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:00	583	
	223.32	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:13	584	
	<u>269.86</u>	Crack Longitudinal, at 08 o'clock, within 8 inch: NO	00:10:58	585, b	S 2
	279.68	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:38	587	
	282.30	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:52	588	
	323.60	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:18	589	
	<u>328.07</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:13:34	590, b	S 2
	332.16	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:56	592	
	346.15	Downstream Manhole, 2019-0086 Survey Ends	00:14:51	593	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2100	8	2	10	2.67	2	2.5



Inspection report

Date: 20080715	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1306	PSR: 19794
Total Pipe Length: 305	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/15/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: VALLEY BV	Flow Control: N Not Controlled	Start MH: 2019-0495
City: RMD	Year Renewed:	End MH: 2019-0496
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 341.2 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 305
Drain. Area: 0495/2019-0496/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0495			205
	0.00	Water Level, 0 % of cross sectional area			
	<u>0.00</u>	Water Mark, 0 of cross sectional area			M 2
	6.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:00:50		206
	59.65	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:57		207
	68.00	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:19		208
	<u>93.10</u>	Broken, from 07 to 12 o'clock, within 8 inch: YES	00:04:35	209, b	S 5
	<u>93.30</u>	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:04:57	211, b	S 5
	110.55	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:40		213
	140.95	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:57		214
	188.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:54		215
	206.95	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:34		216
	264.15	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:11:58		217
	293.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:13:19		218
	336.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:15:07		219
	341.20	Downstream Manhole, Survey Ends 2019-0496	00:15:45		220

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5200	2100	10	2	12	5	2	4



Inspection report

Date: 20080716	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1337	PSR: 121104
Total Pipe Length: 95	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/16/2008	Pre-Cleaned: J Jetting	Map Grid #: 2072

Street: VALLEY BV	Flow Control: N Not Controlled	Start MH: 2072-0058
City: RMD	Year Renewed:	End MH: 2072-0060
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 60.95 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 95
Drain. Area: 0058/2072-0060/2072	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:150	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2072-0060		2	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	16.15	Broken Void Visible, from 09 to 03 o'clock, within 8 inch: YES	00:02:01	15, b	S 5
	22.75	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:34	17, b	S 2
	58.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:00	19	
	60.95	Upstream Manhole, Survey Ends 2072-0058	00:04:25	20	

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



Inspection report

Date: 20080717	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1378	PSR: 19984
Total Pipe Length: 46	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: RMD	Flow Control: N Not Controlled	Start MH: 2019-0316
City: RMD	Year Renewed	End MH: 2019-0315
Location Code: H Alley	Tape/Media #:	Total length surveyed: 51.6 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 46
Drain. Area: 0315/2019-0316/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:150	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0316		2	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	21.25	Crack Spiral, from 09 to 02 o'clock, within 8 inch: YES	00:01:10	18, b	S 2
	24.25	Crack Spiral, from 04 to 08 o'clock, within 8 inch: YES	00:02:09	20, b	S 2
	28.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:26	22	
	31.75	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:02:40	23, b	S 2
	32.95	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:02:53	25, b	S 4
	38.90	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:03:12	27, b	S 3
	40.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:26	29	
	51.60	Downstream Manhole, Survey Ends 2019-0315	00:04:03	30	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	13	2	15	2.6	2	2.5



Inspection report

Date: 20080717	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1379	PSR: 19985
Total Pipe Length: 235	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: RMD	Flow Control: N Not Controlled	Start MH: 2019-0317
City: RMD	Year Renewed	End MH: 2019-0316
Location Code: H Alley	Tape/Media #:	Total length surveyed: 234.05 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 235
Drain. Area: 0316/2019-0317/2019	Lining:
	Category:

Comment: **AGAINST THE FLOW**

Location details:

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 2019-0316		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	6.25	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:01:03	4	
	33.75	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:53	5	
	36.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:06	6	
	79.35	Crack Multiple, from 05 to 08 o'clock, within 8 inch: YES	00:03:19	7, b	S 3
	84.85	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:03:40	9	
	87.40	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:50	10	
	135.65	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:10	11	
	138.00	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:26	12	
	180.20	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:06:35	13	
	213.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:28	14	
	231.95	Broken, from 04 to 02 o'clock, within 8 inch: YES	00:08:23	15, b	S 5
	234.05	End of Pipe, Remark: 2019-0317	00:08:45	17	

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



Inspection report

Date: 20080626	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: D.SOLANO	section number: 1395	PSR: 20257
Total Pipe Length: 367	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 06/26/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: SAN GABRIEL BV	Flow Control: N Not Controlled	Start MH: 2019-0115
City: RMD	Year Renewed:	End MH: 2020-0039
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 355.07 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 367
Drain. Area: 0039/2020-0115/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 2019-0115		360	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	99.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES		361	
	116.09	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES		362	
	137.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES		363	
	154.00	Crack Longitudinal, at 03 o'clock, within 8 inch: YES		364, b	S 2
	177.00	Crack Longitudinal, at 08 o'clock, within 8 inch: YES		366, b	S 2
	179.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES		368	
	217.00	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES		369	
	222.00	Crack Longitudinal, at 09 o'clock, within 8 inch: YES		370, b	S 2
	278.02	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES		372	
	306.00	Crack Longitudinal, at 08 o'clock, within 8 inch: YES		373, b	S 2
	310.00	Broken, from 04 to 08 o'clock, within 8 inch: YES		375, b	S 5
	311.00	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES		377	
	312.02	Crack Longitudinal, at 09 o'clock, within 8 inch: YES		378, b	S 2
	351.09	Crack Spiral, from 08 to 10 o'clock, within 8 inch: YES		380, b	S 2
	355.07	Downstream Manhole, Survey Ends 2020-0039		382	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5126	2100	17	2	19	2.43	2	2.38



Inspection report

Date: 20080717	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1397	PSR: 20223
Total Pipe Length: 183	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: SAN BERNARDINO FW	Flow Control: N Not Controlled	Start MH: 2019-0080
City: RMD	Year Renewed:	End MH: 2019-0079
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 176.67 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 183
Drain. Area: 0079/2019-0080/2019	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:450	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 2019-0079 Survey Begins	00:00:04	21	
	2.24	Water Level, 5 % of cross sectional area	00:00:21		
	2.24	Water Mark, 15 % of cross sectional area	00:00:22		M 2
	43.24	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:01:34	22	
	45.67	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:50	23	
	57.24	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:02:19	24	
	57.92	Fracture Multiple, from 10 to 11 o'clock, within 8 inch: YES	00:02:42	25, b	S 4
	60.15	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:02	27	
	101.16	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:04:22	28	
	144.89	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:06:04	29, b	S 2
	145.09	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:24	31	
	176.67	Upstream Manhole, 2019-0080 Survey Ends	00:07:37	32	

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



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Inspection report

Date: 20080721	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1413	PSR: 19417
Total Pipe Length: 224	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/21/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: GARVEY AV	Flow Control: N Not Controlled	Start MH: 2020-0352
City: RMD	Year Renewed:	End MH: 2020-0353
Location Code: C Light Highway	Tape/Media #:	Total length surveyed: 221.08 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 224
Drain. Area: 0352/2020-0353/2020	Lining:
	Category:

Comment: **Against the flow**

Location details:

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 2020-0353 Survey Begins	00:00:57	121	
	0.00	Water Level, 20 % of cross sectional area	00:01:07		
	0.00	Water Mark, 40 % of cross sectional area	00:01:10		M 3
	9.62	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:01:38	122	
	33.04	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:02:41	123	
	50.82	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:03:31	124	
	71.72	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:19	125	
	131.19	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:25	126	
	140.91	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:06:57	127, b	S 2
	186.58	Crack Longitudinal, at 08 o'clock, within 8 inch: NO	00:08:57	129, b	S 2
	187.55	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:20	131	
	188.43	Broken, from 04 to 05 o'clock, within 8 inch: YES	00:09:40	132, b	S 4
	188.53	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:09:59	134, b	S 2
	208.45	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:43	136	
	221.08	Upstream Manhole, 2020-0352 Survey Ends	00:11:21	137	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	3100	10	3	13	2.5	3	2.6



Inspection report

Date: 20080723	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1456	PSR: 19935
Total Pipe Length: 203	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/23/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: WALNUT GROVE AV	Flow Control: N Not Controlled	Start MH: 2019-0391
City: RMD	Year Renewed	End MH: 2019-0483
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 290.66 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 203
Drain. Area: 0391/2019-0483/2019	Lining:
	Category:

Comment: **NONE**

Location details:

1:527	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0391 Survey Begins	00:00:04	37	
	1.07	Water Level, 10 % of cross sectional area	00:00:22		
	1.07	Water Mark, 10 % of cross sectional area	00:00:23		M 2
	12.83	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:00:50	38	
	13.80	Crack Circumferential, from 09 to 01 o'clock, within 8 inch: YES	00:01:02	39, b	S 1
	21.28	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:01:29	41, b	S 2
	22.93	Crack Longitudinal, at 01 o'clock, within 8 inch: YES	00:01:56	43, b	S 2
	24.20	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:15	45	
	34.01	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:05	46, b	S 3
	45.67	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:43	48, b	S 2
	68.41	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	00:04:43	50, b	S 1
	73.27	Crack Circumferential, from 08 to 01 o'clock, within 8 inch: YES	00:05:22	52, b	S 1
	74.05	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:57	54	
	110.69	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:25	55, b	S 3
	121.28	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	00:08:02	57, b	
	133.91	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:08:56	59	
	134.88	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:09:22	60, b	S 3
	138.29	Crack Circumferential, from 12 to 04 o'clock, within 8 inch: YES	00:09:43	62, b	S 1
	159.37	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:10:36	64, b	S 2
	162.39	Crack Multiple, from 01 to 09 o'clock, within 8 inch: YES	00:11:00	66, b	S 3
	174.63	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:12:17	68, b	S 2
	174.63	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:12:20	70, b	S 2
	184.54	Tap Factory Made, at 12 o'clock, 4", within 8 inch: NO	00:13:11	72	
	201.06	Crack Circumferential, from 08 to 03 o'clock, within 8 inch: YES	00:13:46	73, b	S 1
	204.17	Broken, from 07 to 01 o'clock, within 8 inch: YES	00:14:40	75, b	S 5



Inspection report

Date: 20080723	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1456	PSR: 19935
Total Pipe Length: 203	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/23/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

1:527	position	observation	MPEG	photo	grade
	<u>204.17</u>	Broken, from 07 to 01 o'clock, within 8 inch: YES	00:14:40	75, b	S 5
	<u>213.31</u>	Crack Circumferential, from 03 to 10 o'clock, within 8 inch: YES	00:15:13	77, b	S 1
	<u>238.09</u>	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:16:10	79, b	S 2
	<u>238.09</u>	Crack Longitudinal, at 01 o'clock, within 8 inch: YES	00:16:16	81, b	S 2
	<u>258.49</u>	Crack Multiple, from 04 to 04 o'clock, within 8 inch: YES	00:17:19	83, b	S 3
	<u>277.44</u>	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:18:06	85, b	S 2
	<u>280.07</u>	Crack Circumferential, from 04 to 09 o'clock, within 8 inch: YES	00:18:29	87, b	S 1
	<u>282.40</u>	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES	00:18:55	89, b	S 3
	<u>283.18</u>	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:19:12	91, b	S 3
	<u>290.66</u>	Downstream Manhole, 2019-0483 Survey Ends	00:19:59	93	



Inspection report

Date: 20080723	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1457	PSR: 19934
Total Pipe Length: 271	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/23/2008	Pre-Cleaned: J Jetting	Map Grid #: 2019

Street: WALNUT GROVE AV	Flow Control: N Not Controlled	Start MH: 2019-0392
City: RMD	Year Renewed:	End MH: 2019-0391
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 243.24 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 271
Drain. Area: 0391/2019-0392/2019	Lining:
	Category:

Comment:
 Location details:

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2019-0392 Survey Begins	00:00:14	1	
	0.00	Water Level, 5 of cross sectional area	00:00:37		
	<u>0.00</u>	Water Mark, 5 % of cross sectional area	00:00:39		M 2
	<u>4.96</u>	Crack Circumferential, from 03 to 10 o'clock, within 8 inch: YES	00:01:03	2, b	S 1
	<u>27.99</u>	Crack Circumferential, from 01 to 09 o'clock, within 8 inch: YES	00:02:14	4, b	S 1
	<u>55.10</u>	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:03:20	6, b	S 3
	<u>72.69</u>	Crack Multiple, from 05 to 02 o'clock, within 8 inch: YES	00:04:04	8	S 3
	<u>94.36</u>	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:05:29	9, b	S 3
	<u>97.28</u>	Crack Circumferential, from 03 to 04 o'clock, within 8 inch: YES	00:06:09	11, b	S 1
	<u>104.47</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:44	13	
	<u>105.63</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:06:59	14, b	S 2
	<u>144.50</u>	Hole Soil Visible, from 02 to 10 o'clock, within 8 inch: YES	00:08:40	16, b	S 5
	<u>154.81</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:17	18	
	<u>159.37</u>	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:10:39	19, b	S 2
	<u>165.20</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:11:40	21, b	S 2
	<u>166.76</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:12:00	23	
	<u>167.54</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:12:12	24, b	S 2
	<u>200.58</u>	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:13:27	26, b	S 3
	<u>202.03</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:49	28	
	<u>203.01</u>	Crack Circumferential, from 01 to 04 o'clock, within 8 inch: YES	00:14:07	29	S 1
	<u>215.54</u>	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	00:14:39	30, b	S 1
	<u>216.61</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:15:02	32	
	<u>230.02</u>	Crack Circumferential, from 02 to 08 o'clock, within 8 inch: YES	00:15:39	33, b	S 1
	243.24	Downstream Manhole, 2019-0391 Survey Ends	00:17:00	35, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5134	2100	31	2	33	2.07	2	2.06



Inspection report

Date: 20080722	P.O.#: Y0TV0708E	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 1458	PSR: 19620
Total Pipe Length: 356	Survey Customer: LACDPW	System Owner: RMD	Clean Date: 07/22/2008	Pre-Cleaned: J Jetting	Map Grid #: 2020

Street: WALNUT GROVE AV	Flow Control: N Not Controlled	Start MH: 2020-0071
City: RMD	Year Renewed:	End MH: 2020-0217
Location Code: A Main Highway - Urban	Tape/Media #:	Total length surveyed: 312.82 ft

Purpose: F Routine Assessment	Dia/Height: C Circular 8/8
Use: SS Sanitary	Material: VCP Pipe Joint length: 356
Drain. Area: 0071/2020-0217/2020	Lining:
	Category:

Comment: **NONE**

Location details:

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 2020-0071 Survey Begins	00:00:04	19	
	1.85	Water Level, 5 % of cross sectional area	00:00:21		M 2
	1.85	Water Mark, 10 % of cross sectional area	00:00:22		M 2
	31.39	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:29	20	
	75.90	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:09	21	
	156.26	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:32	22	
	221.86	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:07:56	23	
	301.54	Collapse Pipe Sewer, 20	00:13:04	24, b	S 5
	312.82	Downstream Manhole, 2020-0217 Survey Ends	00:14:23	26	

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