



GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

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

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

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

January 5, 2012

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

Mr. Robert Zarrilli  
Director of Community Development  
City of Commerce  
2535 Commerce Way  
Commerce, CA 90040

Attention Ms. Linda K. Olivieri

Dear Mr. Zarrilli:

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

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 117,270 feet or 45.3 percent of the City of Commerce's sewer system.

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

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

Mr. Robert Zarrilli  
January 5, 2012  
Page 2

The Condition Assessment Report will provide 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, where appropriate, incorporated into our routine cleaning schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of the ongoing Accumulative Capital Outlay Project.

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

Very truly yours,

GAIL FARBER  
Director of Public Works



KEITH E. LEHTO  
Assistant Deputy Director  
Sewer Maintenance Division



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Enc.

bc: KL, RS, FV, File (Project No. Y0TV0809B), SPINDLE

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

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PROJECT NAME:	Y0TV0809B	PROJECT MGR:	Kari Eskridge
PROJECT DATE:	01/30/2009	CONTACT NO:	(626) 300-3390
SUP. DISTRICT(s):	1	MAP PAGE(S):	1915, 1916, 1917 □ 1971
Report By:	Eric Liu	Report Date:	11/18/2011

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**INTRODUCTION**

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 117,270 feet or 45.3 percent of the City of Commerce's (City) sewer system.

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

**PROJECT AREA AND DESCRIPTION**

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

**DEFECT GRADE DESCRIPTION**

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

<b>Grade</b>	<b>Defect Grade Description</b>
<b>1:</b>	<b>MINOR</b>
<b>2:</b>	<b>MINOR TO MODERATE</b>
<b>3:</b>	<b>MODERATE</b>
<b>4:</b>	<b>SIGNIFICANT</b>
<b>5:</b>	<b>MOST SIGNIFICANT</b>

## **MAINTENANCE REPORT**

Our inspection revealed that approximately 89.9 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 10.1 percent of the inspected pipe segments within the City area had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

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

### **QUICK MAINTENANCE RATING TABLE**

<b>DEFECT GRADE</b>	<b>PIPE LENGTH (FT)</b>	<b>PERCENT TOTAL INSPECTED PIPE LENGTH</b>	<b>NO. SEGMENTS</b>
1: Minor	2,508	2.1	11
2: Minor to Moderate	102,940	87.8	475
3: Moderate	2,538	2.1	14
4: Significant	6,752	5.8	26
5: Most Significant	2,532	2.2	9
TOTAL	117,270	100.0	535

### ***Lateral Notices***

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

### ***High Water Levels***

Our inspection revealed that approximately 95.1 percent of the system televised has adequate capacity. However, the remaining 4.9 percent of the inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which have indicated camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50 percent of the diameter of sewer pipe is full of water. However, there are particular conditions in which the water level or water mark has reached 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line.

Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any. All sewer pipes where Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 50 percent capacity, have been outlined and analyzed on the High Water Level table in Enclosure 2. The nature of these high water level conditions is also summarized on this table.

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

***Infiltration***

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

**STRUCTURAL REPORT**

Our inspection revealed that approximately 91.8 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 8.2 percent of the inspected pipe segments had a PACP structural grade of 4 and 5 as indicated in the Quick Structural Rating table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 40 in the Quick Structural Rating Report Priority List (Enclosure 3), which require a corrective action, the proposed repair or replacement 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 report for these 40 segments are included in Enclosure 4.

**QUICK STRUCTURAL RATING TABLE**

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	76,049	64.9	364
2: Minor to Moderate	11,085	9.5	44
3: Moderate	20,435	17.4	87
4: Significant	8,027	6.8	34
5: Most Significant	1,674	1.4	6
TOTAL	117,270	100.0	535

## **FUTURE PROJECTS**

The Sewer Condition Assessment Program will be performing future CCTV inspection of the remaining sewer lines within the City according to the following schedule:

<b>FISCAL YEAR</b>	<b>PROJECT NAME</b>	<b>LENGTH (FT)</b>	<b>PERCENTAGE OF SYSTEM</b>	<b>STATUS</b>
2008-2009	Y0TV0809B	117,270	45.3	COMPLETED
2010-2011	Y0TV0910C	54,684	21.1	REPORT IN PROGRESS
2012-2013	Y0TV1213D	86,791	33.6	FUTURE
TOTAL		258,745	100.0	

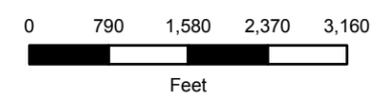
ENCLOSURE 1:

Project Overview Map

# OVERVIEW MAP COMMERCE

CCTV PROJECT  
**Y0TV0809B**

Cities of  
Artesia, Bell Gardens,  
Bellflower, Commerce,  
Lakewood, Paramount &  
County Unincorporated

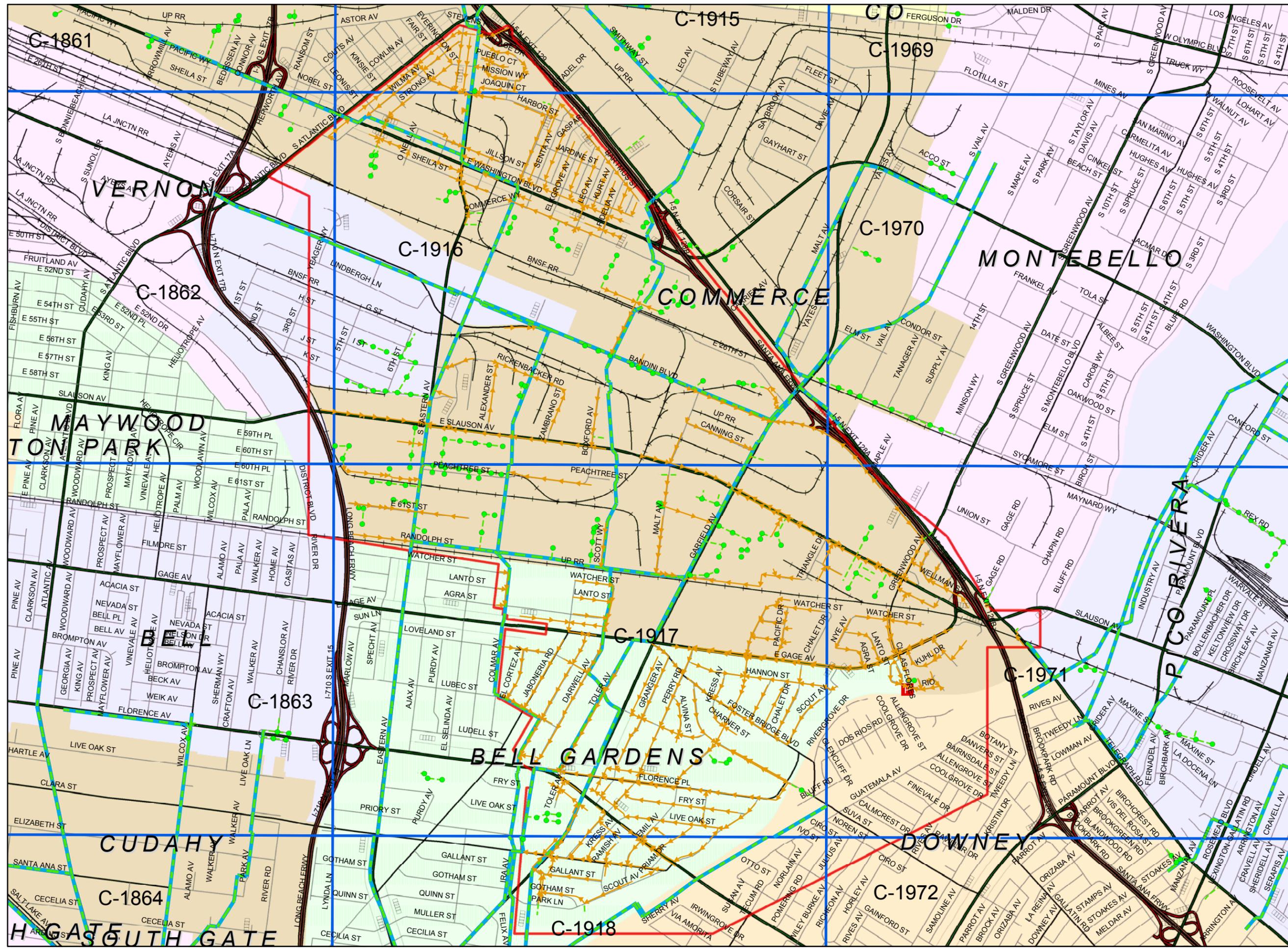


## Legend

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

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MARCH 2011



## ENCLOSURE 2:

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

**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF COMMERCE (Y0TV0809B)**  
as of 01/12/09

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN (DATE COMPLETED)
1	5141	1916-0283	1916-0284	BOXFORD AV	Camera underwater	Hydrojet (03/09/11)
2	5141	1916-0300	1916-TRNK	SLAUSON AV	Camera underwater	Hydrojet (05/24/11)
3	5141	1916-0359	1916-0285	BOXFORD AV	Camera underwater	Hydrojet (05/10/10)
4	5124	1916-0286	1916-0287	BOXFORD AV	Deposits: grease; debris; laterals: grease	Hydrojet (05/10/10); Letter will be sent to homeowner.
5	5121	1915-0749	1915-0761	WILMA AV	Roots; lateral: roots	Rodder (11/06/09); Letter will be sent to homeowner.
6	5111	1916-0008	1915-0753	WILMA AV	Roots	Rodder (11/06/09)
7	5100	1916-0290	1916-0292	SLAUSON AV	Camera underwater	Hydrojet (03/09/11)
8	5100	1916-0292	1916-TRNK	SLAUSON AV	Camera underwater	Hydrojet (05/24/11)
9	5100	1916-0290	1916-0289	SLAUSON AV	Camera underwater	Hydrojet (03/09/11)
10	4A2K	1916-0285	1916-0286	BOXFORD AV	Deposits: grease; camera underwater	Hydrojet (05/10/10)
11	4521	1917-0588	1917-0593	PACIFIC DR	Camera underwater	Hydrojet (12/21/09)
12	4421	1971-0025	1971-0026	SLAUSON AV	Roots	Rodder (11/12/09)
13	4222	1971-0089	1971-0090	Easement by SLAUSON □ I5	Camera underwater	No action needed. Camera under water due to multiple turns
14	4221	1971-0040	1971-0057	WATCHER ST	Grease; roots	Rodder (11/12/09)
15	4221	1916-0093	1916-0094	Easement by JARDINE □ GASPAR	Roots	Rodder (11/06/09)
16	413A	1916-0077	1916-0116	Easement by JILLSON □ FIDELIA	Camera underwater	Hydrojet (11/17/09)
17	4131	1916-0112	1916-0113	ALLEY	Camera underwater	Hydrojet (11/12/09)
18	4131	1916-0130	1916-TRNK	SHEILA ST	Camera underwater	Hydrojet (11/17/09)
19	4124	1971-0023	1971-0088	WELLMAN ST	Joint offset:14' ; camera underwater	No action needed. Camera underwater due to joint offset
20	4123	1917-0393	1917-0394	MALT AV	Deposits; grease	Rodder (02/23/11)
21	4122	1916-0089	1916-0090	Easement by JILLSON □ TRAVERS	Grounding rod: 84'; grease	Hydrojet (05/10/10) Ongoing utility investigation for grounding rod
22	4122	1917-0571	1917-0572	WATCHER ST	Roots	Rodder (11/10/09)
23	4122	1916-0271	1916-0272	CANNING ST	Roots	Rodder (11/10/09)
24	4122	1917-0550	1917-0551	SLAUSON AV	Roots; root ball lateral	Rodder (11/10/09); Letter will be sent to homeowner.
25	4122	1971-0031	1971-0032	SLAUSON AV	Roots; root ball lateral; joint offset	Rodder (11/12/09); Letter will be sent to homeowner.
26	4122	1917-0534	1917-0535	SLAUSON AV	Roots; root ball lateral	Rodder (11/10/09); Letter to homeowner
27	4121	1916-0114	1916-0115	ALLEY	Camera underwater	Hydrojet (11/13/09)
28	4121	1916-0131	1916-0132	SHEILA ST	Roots; lateral: roots	Rodder (11/06/09); Letter will be sent to homeowner.
29	4121	1916-0278	1916-0279	SLAUSON AV	Roots	Rodder (11/10/09)
30	4121	1916-0297	1916-0298	SLAUSON AV	Roots	Rodder (11/10/09)
31	4121	1917-0583	1917-0591	EMIL AV	Roots, lateral: roots	Rodder (11/10/09); Letter will be sent to homeowner.
32	4100	1916-0282	1916-0288	SLAUSON AV	Camera underwater	Hydrojet (02/13/11)
33	4100	1916-0288	1916-0289	SLAUSON AV	Camera underwater	Hydrojet (01/13/11)
34	4100	1916-0333	1916-0334	BANDINI BV	High water level	Hydrojet (11/13/09)
35	4100	1916-0297	1916-0300	SLAUSON AV	Camera underwater	Hydrojet (02/15/11)
36	3K21	1916-0294	1916-0295	SLAUSON AV	Deposit settled rocks	Hydrojet (05/12/10)
37	3421	1916-0123	1916-0124	ALLEY	High water level; high water mark	Hydrojet (11/13/09)

**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF COMMERCE (Y0TV0809B)**  
as of 01/12/09

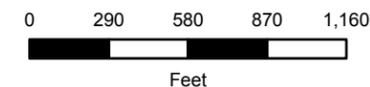
ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN (DATE COMPLETED)
38	3400	1916-0282	1916-0283	BOXFORD AV	Camera underwater	Hydrojet (05/12/10)
39	3122	1916-0078	1916-0079	Easement by BARTMUS □ FIDELIA	Obstacle pipe: 23'; deposits; root ball lateral; MH 79: full of debris □ obstacles	Hydrojet (11/12/09); Letter will be sent to homeowner.
40	3121	1917-0022	1917-0680	61ST ST	Deposit settled rocks	Hydrojet (12/21/09)
41	3121	1916-0114	1916-0113	ALLEY	High water level; joint offset: 64'	Hydrojet (05/12/10)
42	3121	1916-0265	1916-0266	BANDINI	Surface corrosion; deposit attached grease; deposit settled rocks	Hydrojet (05/12/10)
43	3121	1916-0033	1916-0034	EASTERN	Deposit settled rocks; grease	Hydrojet (11/19/09)
44	3121	1916-0251	1916-TRNK	BANDINI BV	Deposit attached material; grease	Hydrojet (05/12/10)
45	3100	1916-0136	1916-0137	Easement by LEO □ SHEILA	High water level, high water mark	Hydrojet (11/13/09)
46	3100	1916-0032	1916-0034	EASTERN AV	High water mark; deposit settled material	Hydrojet (11/19/09)
47	3100	1916-0253	1916-0254	BANDINI BV	Deposit attached grease	Hydrojet (05/12/10)
48	3100	1916-0130	1916-0131	SHEILA	Grease, high water mark	Hydrojet (11/19/09)
49	3100	1916-0036	1916-0037	SHEILA ST	High water mark; joint offset	No action needed for water mark.

# ENCLOSURE 2

## CCTV PROJECT Y0TV0809B

### COMMERCE

### QUICK MAINTENANCE RATING (QMR)



#### Legend

##### SMD Sanitary Sewers

##### QMR DEFECT GRADES

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

##### SMD Manholes

- Other

##### Manhole Type

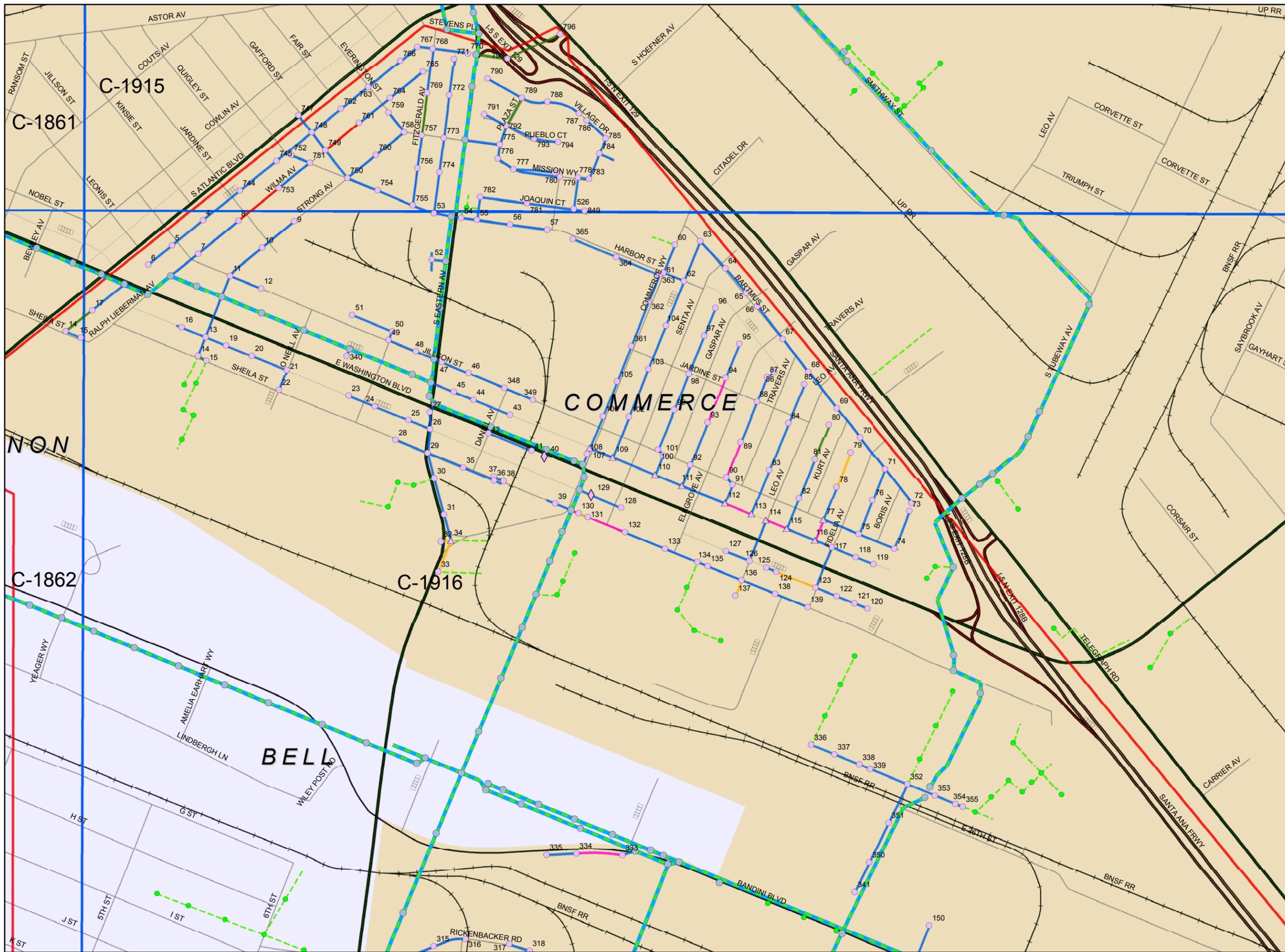
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

##### Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0809B

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NOVEMBER 2011

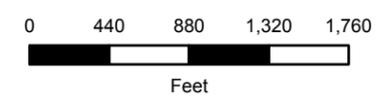


# ENCLOSURE 2

CCTV PROJECT  
**Y0TV0809B**

COMMERCE

QUICK  
MAINTENANCE  
RATING  
(QMR)



## Legend

### SMD Sanitary Sewers QMR DEFECT GRADES

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

### SMD Manholes

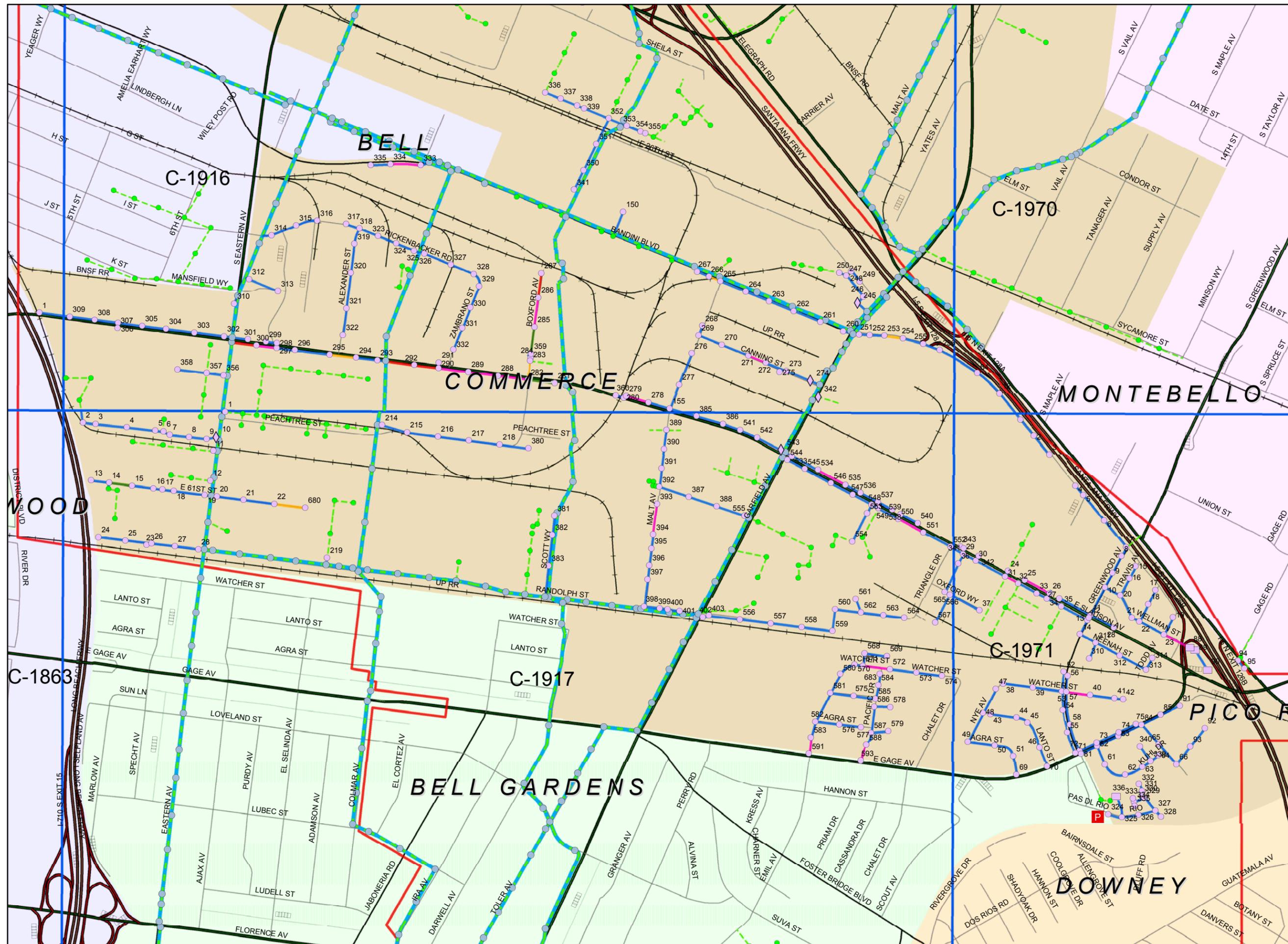
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

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NOVEMBER 2011



**HIGH WATER LEVELS  
CITY OF COMMERCE (Y0TV0809B)**

as of 01/12/09

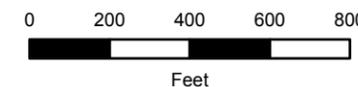
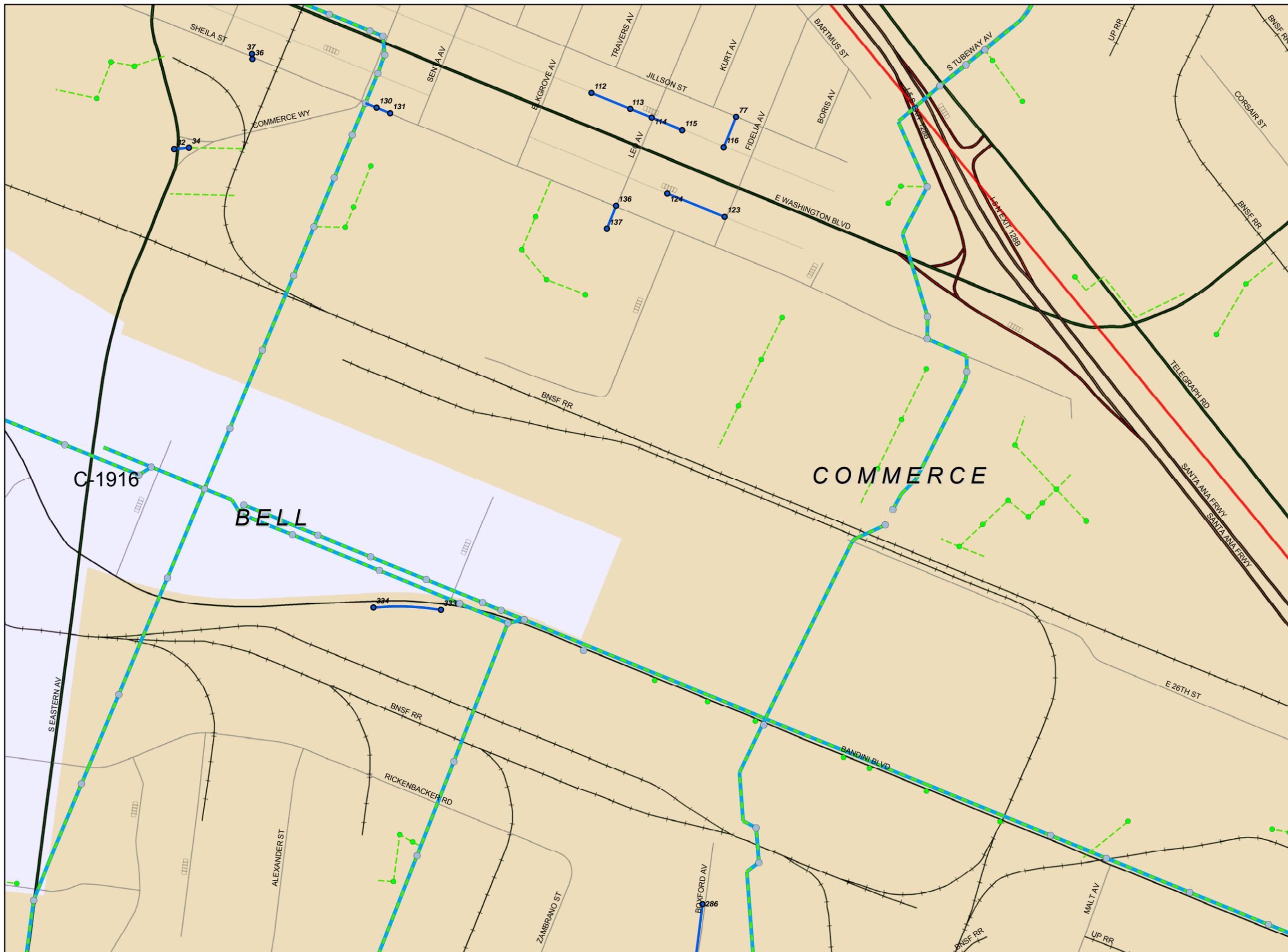
Item No.	QMR	START MH	END MH	STREET	OBSERVATION	DATE CLEANED
1	5141	1916-0283	1916-0284	BOXFORD AV	High flow (90"): at both MHs	03/09/2011
2	5141	1916-0300	1916-TRNK	SLAUSON AV	High flow (90"): at both MHs	05/24/2011
3	5141	1916-0359	1916-0285	BOXFORD AV	Water mark (80"); sag (30" - 80"): 40' - End MH 359	05/10/2010
4	5100	1916-0290	1916-0292	SLAUSON AV	High flow (90"): at both MHs	03/09/2011
5	5100	1916-0292	1916-TRNK	SLAUSON AV	High flow (90"): at both MHs	05/24/2011
6	5100	1916-0290	1916-0289	SLAUSON AV	High flow (90"): at both MHs	03/09/2011
7	4A2K	1916-0285	1916-0286	BOXFORD AV	High water level (50" - 80"): Start - End MH	05/10/2010
8	4521	1917-0588	1917-0593	PACIFIC DR	High water level (65"): 150' - End MH	12/21/2009
9	4222	1971-0089	1971-0090	Easement by SLAUSON □ I5	High water level: due to multiple turns (30" - 50"): 30' - 60'	No action needed.
10	413A	1916-0077	1916-0116	Easement by JILLSON □ FIDELIA	Sag (50" - 80"): 55' - End MH	11/17/2009
11	4131	1916-0112	1916-0113	ALLEY	Sag (50" - 80"): 50' - End MH 112	11/12/2009
12	4131	1916-0130	1916-TRNK	SHEILA ST	High water level (50" - 80"): Start - End MH	11/17/2009
13	4124	1971-0023	1971-0088	WELLMAN ST	Sag: due to joint offsets (50"): 3' - 15', Reverse 170' - 185'	No action needed.
14	4121	1916-0114	1916-0115	ALLEY	High water level (50" - 80"): Start - End MH	11/13/2009
15	4100	1916-0282	1916-0288	SLAUSON AV	High flow (90"): at both MHs	02/13/2011
16	4100	1916-0288	1916-0289	SLAUSON AV	High flow (90"): at both MHs	01/13/2011
17	4100	1916-0333	1916-0334	BANDINI BV	High water level (30" - 80"): Start - End MH	11/13/2009
18	4100	1916-0297	1916-0300	SLAUSON AV	High flow (90"): at both MHs	02/15/2011
19	4100	1917-0450	1917-0420	PERRY RD	High flow (50" - 80"): at both MHs	02/13/2011
20	3421	1916-0123	1916-0124	ALLEY	Sag; water mark (30" - 50"): Start MH - 60';	11/13/2009
21	3400	1916-0282	1916-0283	BOXFORD AV	Water mark; high water level (30" - 80"): Start - End MH	05/12/2010
22	3121	1916-0114	1916-0113	ALLEY	Sag (30" - 80"): 40' - End MH	05/12/2010
23	3100	1916-0136	1916-0137	Easement by LEO □ SHEILA	Water mark, sag (30"): 45' - 65'	No action needed.
24	3100	1916-0032	1916-0034	EASTERN AV	Water mark	No action needed.
25	3100	1916-0130	1916-0131	SHEILA	Water mark	No action needed.

# ENCLOSURE 2

## CCTV PROJECT Y0TV0809B

### COMMERCE

#### HIGH WATER LEVELS



#### Legend

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

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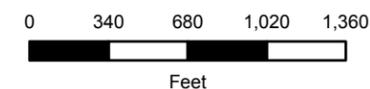
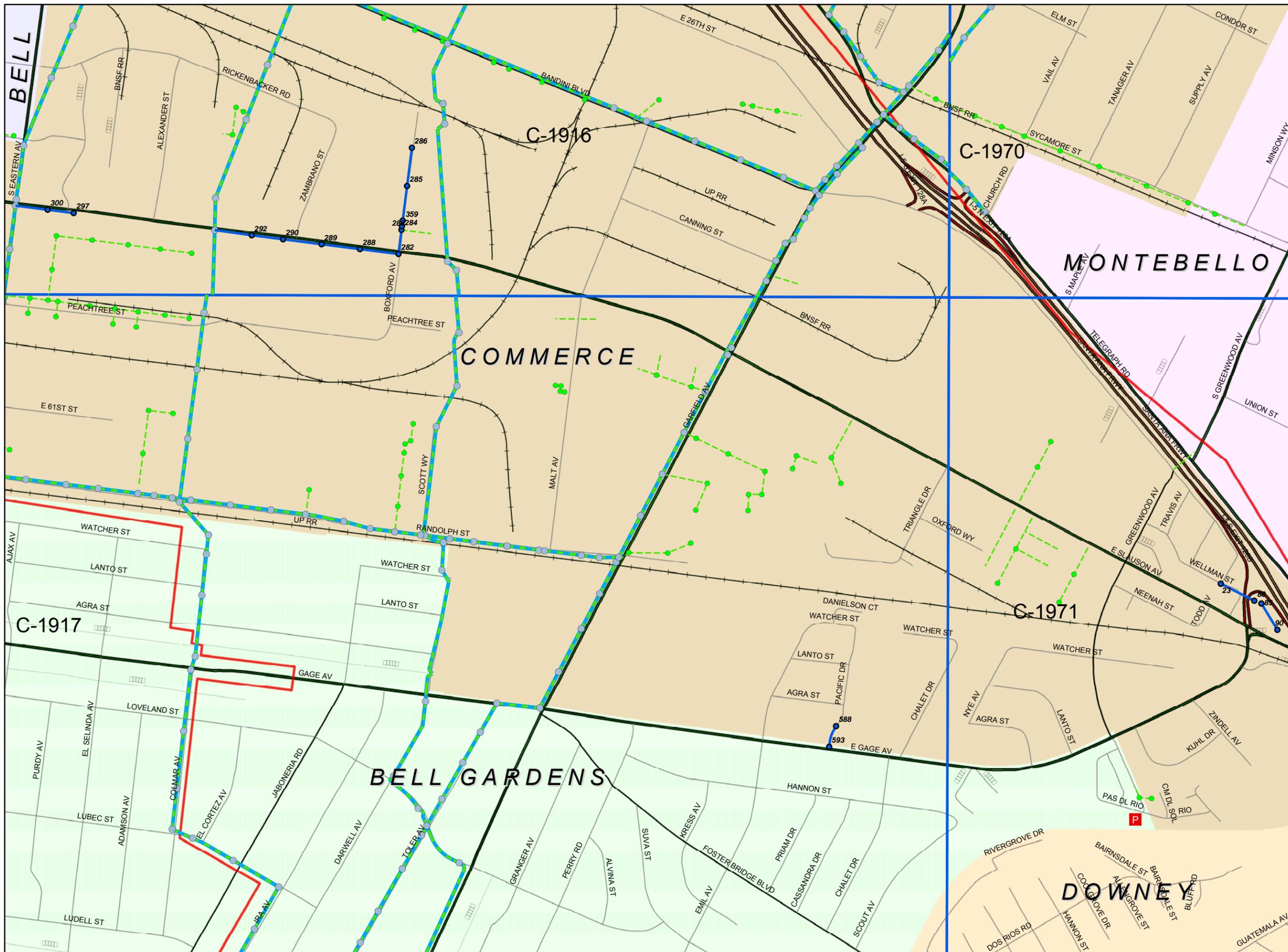
MARCH 2011

# ENCLOSURE 2

## CCTV PROJECT Y0TV0809B

### COMMERCE

### HIGH WATER LEVELS



### Legend

— High Water Levels

### SMD Manholes

- Other
- Standard
- ▲ DROP
- ◻ Shallow
- ◊ Trap
- ⊗ Siphon
- MH: High Water Levels
- SMD Pump Stations
- SMD Treatment Plants

### Maintained by Others:

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

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MARCH 2011



GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

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

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

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

May 26, 2011

IN REPLY PLEASE  
REFER TO FILE: SM-1

Dear:

### SEWER LATERAL ROOT INTRUSION

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this letter informing you that the sewer lateral serving the property located at XXXX, requires maintenance and is in violation of County Code 20.24.080 Maintenance of Sewer Laterals, which states:

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

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

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

May 26, 2011  
Page 2

your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

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

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

After your lateral has been serviced, please notify the District office, XXXX, Sewer Maintenance Division, at XXXX.

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

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

Very truly yours,

GAIL FARBER  
Director of Public Works

KEITH LEHTO  
Assistant Deputy Director  
Sewer Maintenance Division

EL:

Enc.

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

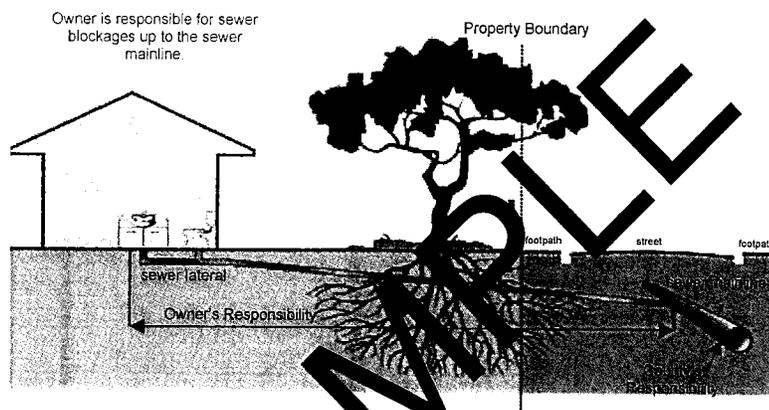
XXXX  
Roots at Lateral Connection



## Minimizing Sewer Overflows and Damage to Your Home

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

### SEWER LATERALS – AREAS OF RESPONSIBILITY



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

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

The three methods we suggest are:

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

## ENCLOSURE 3:

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

**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**CITY OF COMMERCE (YOTV0809B)**

as of 01/12/2009

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE METHOD	LENGTH OF REPAIR (FT)
1	5342	1916-0114	1916-0126	LEO AV	Hole with visible soil: 169'; fractures: multiple locations	Lining: MH to MH	300
2	5131	1917-0571	1917-0572	WATCHER ST	Hole with soil visible: 72'	Lining: MH to MH	276
3	5122	1916-0136	1916-0137	EASEMENT BY LEO □ SHEILA	Fracture multiple: 7', 28'; hole with soil visible: 68'	Lining: MH to MH	84
4	5121	1916-0033	1916-0034	EASTERN AV	Hole with void visible: 51', fracture multiple: 88'	Point Repair: 51'	
5	5100	1971-0090	1971-0089	EASEMENT BY GAGE □ SLAUSON	Hole: 140'	Structural integrity in tact. No action needed.	
6	5100	1917-0387	1917-0392	EASEMENT BY MALT	Hole with soil visible: 3'	Structural integrity in tact. No action needed.	
7	433G	1916-0017	1916-TRNK	EASEMENT BY ATLANTIC □ WASHINGTON	Fractures: 235'; fractures and cracks: multiple locations	Lining: MH to MH	250
8	4334	1916-0103	1916-0104	ALLEY BY JARDINE □ SENTA	Fractures: multiple locations	Structural integrity in tact. No action needed.	
9	4321	1917-0002	1917-0003	EASEMENT BY BNSF RAILROAD	Pipe corrosion: 73'-103'; fractures	Lining: MH to MH; CSMD will repair base of MH 1917-0003.	126
10	4231	1916-0110	1916-0111	ALLEY BY JILLSON □ ELKGROVE	Broken (lateral connection: capped): 236'; fractures: 136', 185'	Structural integrity in tact. No action needed.	
11	4231	1916-0336	1916-0337	EASEMENT BY BNSF RAILROAD	Fractures: 35', 122'	Structural integrity in tact. No action needed.	
12	4224	1916-0117	1916-0118	ALLEY BY JILLSON □ FIDELIA	Fractures: 158', 186'	Lining: MH to MH	211
13	413F	1971-0008	1971-0009	GREENWOOD AV	Fracture: 242'	Structural integrity in tact. No action needed.	
14	413D	1915-0755	1915-0756	FITZGERALD AV	Fractures: 100'; cracks at multiple locations	Lining: MH to MH	200
15	4137	1915-0756	1915-0757	FITZGERALD AV	Fractures and cracks: multiple locations	Lining: MH to MH	322
16	4132	1916-0008	1915-0753	WILMA AV	Broken: 295'; fractures: 153'	Lining: MH to MH	329
17	4131	1971-0040	1971-0057	WATCHER ST	Fractures	Structural integrity in tact. No action needed.	
18	4131	1916-0083	1916-0113	EASEMENT BY JILLSON □ LEO	Broken: 2'; fractures	Structural integrity in tact. No action needed.	
19	4131	1916-0068	1916-0069	BARTMUS ST	Fractures: 318'; joint offset	Structural integrity in tact. No action needed.	
20	4131	1916-0007	1916-0008	WILMA AV	Broken; 149'; fractures: 143'	Point Repair: 143', 149'	
21	4131	1916-0062	1916-0104	ALLEY BY HARBOR □ SENTA	Fractures: 205', 305'	Structural integrity in tact. No action needed.	
22	4123	1916-0117	1916-0123	FIDELIA AV	Fractures	Structural integrity in tact. No action needed.	
23	4123	1916-0246	1916-0247	EASEMENT BY GARFIELD □ E 26TH ST	Joint offset: 68'; fractures	Structural integrity in tact. No action needed.	
24	4122	1917-0019	1917-TRNK	61ST ST	Fractures	Structural integrity in tact. No action needed.	
25	4121	1917-0399	1917-0400	RANDOLPH ST	Broken with external patch: 54'	Structural integrity in tact. No action needed.	
26	4121	1916-0102	1916-0109	ALLEY BY JILLSON □ SENTA	Fractures: 76'	Structural integrity in tact. No action needed.	
27	4121	1917-0003	1917-0004	EASEMENT BY BNSF RAILROAD	Fractures: 216'	Structural integrity in tact. No action needed.	
28	4121	1916-0280	1916-0360	SLAUSON AV	Fractures: 7'; 16'	CSMD will repair base of MH 1916-0360.	
29	4111	1916-0088	1916-0089	EASEMENT BY JARDINE □ TRAVERS	Fractures: 111', 144'	Structural integrity in tact. No action needed.	
30	4100	1917-0556	1917-0557	EASEMENT BY RANDOLPH □ UP	Broken: 211'	Point Repair: 211'	
31	4100	1917-0543	1917-TRNK	SLAUSON AV	Broken: 85'	Lining: MH to MH	94
32	4100	1971-0024	1971-0031	SLAUSON AV	Fractures: 20'; cracks at multiple locations	Lining: MH to MH	58
33	4100	1916-0062	1916-0063	ALLEY BY HARBOR □ SENTA	Fractures: 207'	Structural integrity in tact. No action needed.	
34	4100	1916-0093	1916-0094	EASEMENT BY JARDINE □ GASPAR	Fracture: 274'	Structural integrity in tact. No action needed.	

**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**CITY OF COMMERCE (Y0TV0809B)**  
as of 01/12/2009

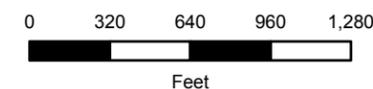
35	4100	1916-0090	1916-0089	EASEMENT BY JILLSON □ TRAVERS	Fractures: 5'	Structural integrity in tact. No action needed.	
36	4100	1916-0090	1916-0091	JILLSON ST	Fracture: 21'	Structural integrity in tact. No action needed.	
37	4100	1916-0114	1916-0113	ALLEY JILLSON □ LEO	Broken: 122'; joint offset: 63'	Lining: MH to MH	130
38	4100	1916-0039	1916-TRNK	SHEILA ST	Fractures: 2'	Structural integrity in tact. No action needed.	
39	4100	1916-0042	1916-TRNK	DANIEL AV	Fractures: 5'	Structural integrity in tact. No action needed.	
40	4100	1916-0338	1916-0339	EASEMENT BY BNSF RAILROAD	Fractures: 14'	Structural integrity in tact. No action needed.	
41	2112	1971-0023	1971-0088	WELLMAN ST	Large joint offset: 14'	Point Repair: 14'	

# ENCLOSURE 3

## CCTV PROJECT Y0TV0809B

### COMMERCE

### QUICK STRUCTURAL RATING (QSR)



#### Legend

##### SMD Sanitary Sewers QSR DEFECT GRADES

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

##### SMD Manholes

Other

##### Manhole Type

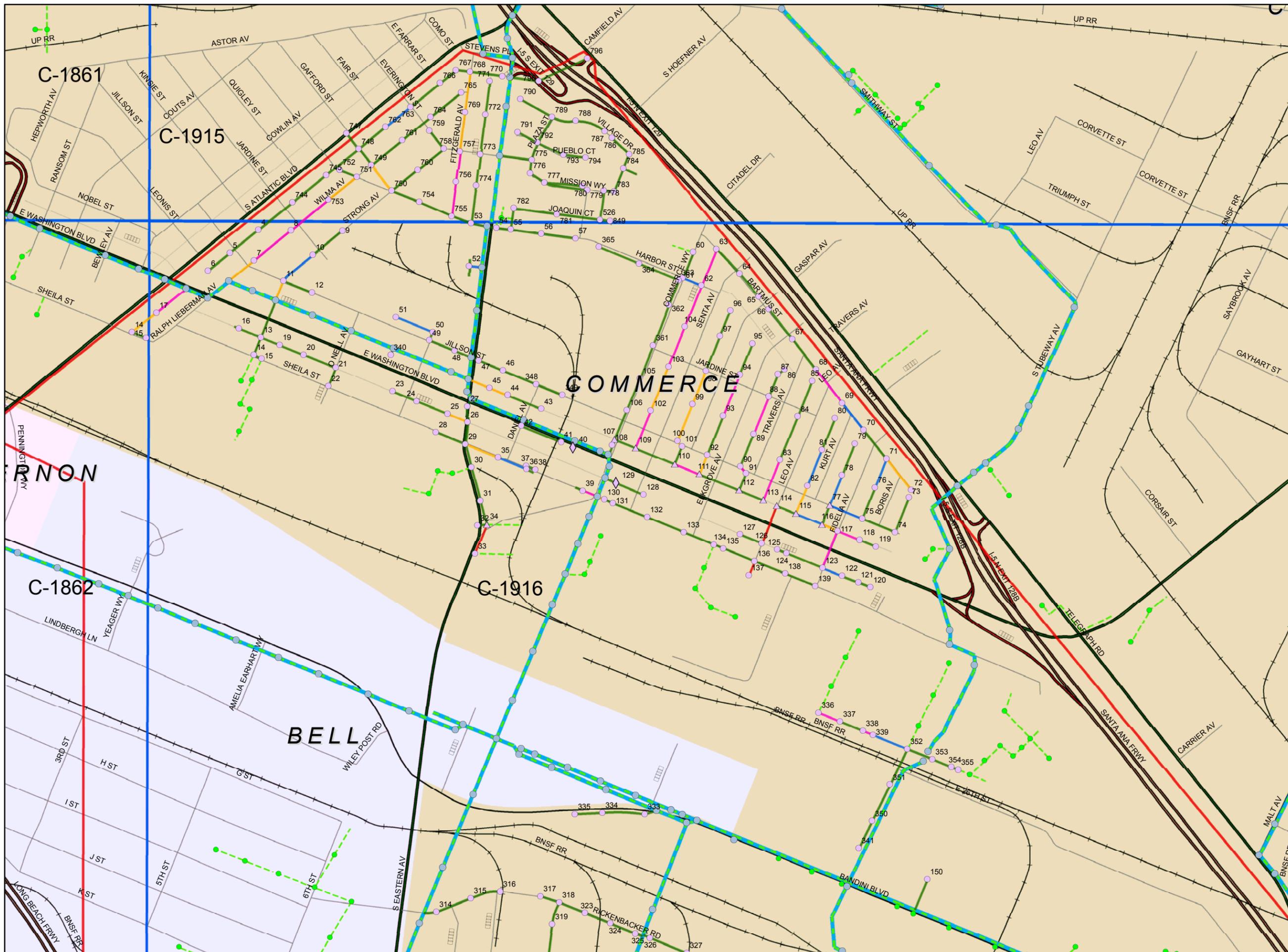
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

##### Maintained by Others:

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

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NOVEMBER 2011

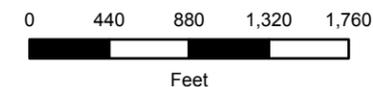


# ENCLOSURE 3

CCTV PROJECT  
**Y0TV0809B**

COMMERCE

QUICK  
STRUCTURAL  
RATING  
(QSR)



## Legend

### SMD Sanitary Sewers QSR DEFECT GRADES

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

### SMD Manholes

Other

### Manhole Type

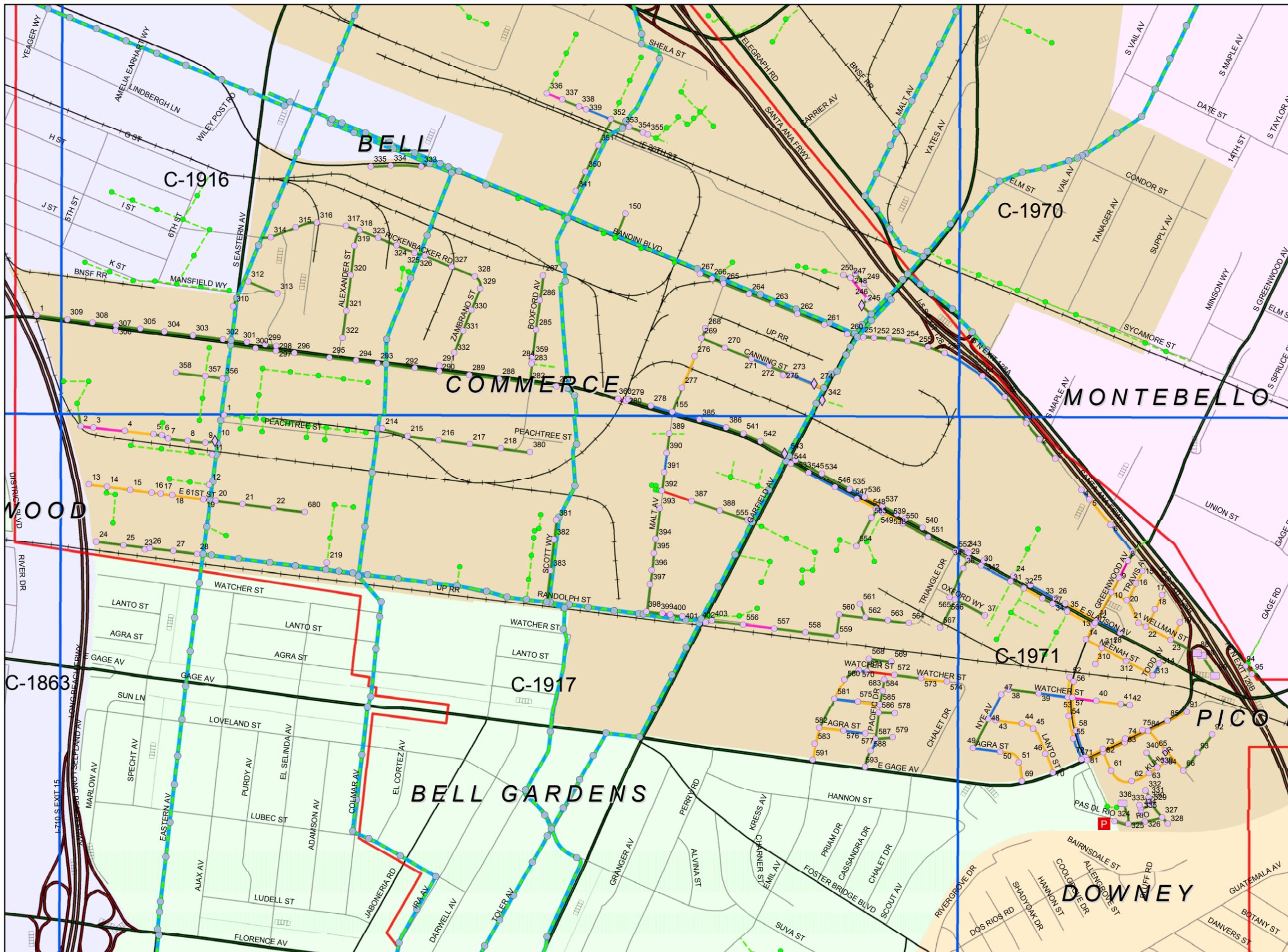
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

### Maintained by Others:

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

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NOVEMBER 2011



## ENCLOSURE 4:

Infrastructure Inspection Reports  
for Grades 4 and 5



## Inspection report

Date: <b>20081215</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2835</b>	PSR: <b>43951</b>
Total Pipe Length: <b>323</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:15 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>LEO AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0114</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0126</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>299.31 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>323</b>
Drain. Area: <b>0114 1916-0126 1916</b>	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0126 Survey Begins	00:00:37	1	
	0.00	Water Level, 5' of cross sectional area	00:00:57		
	0.00	Water Mark, 5' of cross sectional area	00:00:59		M 2
	65.30	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:19	2	
	67.73	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:36	3	
	106.99 S1	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES, start	00:05:12	4, b	S 3
	108.16	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:38	6, b	S 4
	112.24 S2	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES, start	00:06:09	8, b	S 3
	116.61 F1	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES, end	00:06:38		S 3
	116.61 F2	Fracture Longitudinal, at 08 o'clock, within 8 inch: YES, end	00:06:48		S 3
	168.80	Hole Soil Visible, from 07 to 02 o'clock, within 8 inch: YES	00:08:49	10, b	S 5
	171.03 S3	Broken, from 10 to 05 o'clock, within 8 inch: YES, start	00:09:12	12, b	S 5
	177.84 F3	Broken, from 07 to 02 o'clock, within 8 inch: YES, end	00:09:39		S 5
	247.42	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:13:00	14	
	249.17	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:13:32	15	
	286.19	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:15:31	16, b	S 3
	287.84	Fracture Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:15:52	18, b	S 4
	290.66	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:16:20	20, b	S 3
	296.10	Fracture Longitudinal, at 05 o'clock, within 8 inch: YES	00:16:48	22, b	S 3
	299.31	Downstream Manhole, 1916-0114 Survey Ends	00:17:47	24	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5342	2100	44	2	46	3.67	2	3.54



## Inspection report

Date: <b>20081106</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2028</b>	PSR: <b>43512</b>
Total Pipe Length: <b>306</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11.06.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1917</b>

Street: <b>WATCHER ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0571</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1917-0572</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>277.35 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>306</b>
Drain. Area: <b>0571 1917-0572 1917</b>	Lining Method:
	Category:

Remark: **MH S REVERSED ON MAP**

1:700	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0571		182	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	41.20	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:19	183	
	58.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:57	184	
	69.77	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:25	185	
	72.59	Hole Soil Visible, from 07 to 10 o'clock, within 8 inch: YES	00:03:48	186, b	S 5
	78.13	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:16	188	
	89.31	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:52	189	
	104.47	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:05:42	190, b	S 3
	109.42	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:02	192	
	117.68	Roots Fine Joint, from 11 to 02 o'clock, within 8 inch: YES	00:06:27	193, b	M 1
	126.23 S1	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES, start	00:06:58	195, b	M 1
	162.09	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:16	197	
	213.79	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:13	198	
	225.45	Roots Ball Joint, from 08 to 03 o'clock, 60' , within 8 inch: YES	00:11:12	199, b	M 4
	230.99	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:52	201	
	257.13	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:12:56	202	
	273.07	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:35	203	
	274.14 F1	Roots Fine Joint, from 03 to 09 o'clock, within 8 inch: YES, end	00:14:34	204	M 1
	277.35	Upstream Manhole, Survey Ends 1917-0572	00:15:30	205	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	4122	8	39	47	4	1.15	1.31



## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2317</b>	PSR: <b>43972</b>
Total Pipe Length: <b>124</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0136</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0137</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>84.76 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>124</b>
Drain. Area: <b>0136 1916-0137 1916</b>	Lining Method:
	Category:

Remark.: **AGAINST THE FLOW**

1:225	position	observation	MPEG	photo	grade
	0.10	Downstream Manhole, 1916-0136 Survey Begins	00:00:44		
	0.20	Water Level, 5 % of cross sectional area	00:00:49		
	0.20	Water Mark, 40 % of cross sectional area	00:00:50		M 3
	7.33	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:01:03	22	S 2
	53.43	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:13	23	S 2
	68.59	Hole Void Visible, from 01 to 04 o'clock, within 8 inch: YES	00:04:31	24, b	S 5
	84.76	Upstream Manhole, 1916-0137 Survey Ends	00:05:39	26	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	3100	9	3	12	3	3	3



## Inspection report

Date: <b>20081219</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2869</b>	PSR: <b>44002</b>
Total Pipe Length:	Survey Customer: <b>LACOPW</b>	System Owner: <b>LACOPW</b>	Clean Date: <b>12:18 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>EASTERN</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0033</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0034</b>
Location Code: <b>C Light Highway</b>	Tape/Media #	pipe length: <b>180.36 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length:
Drain. Area: <b>0033 1916-0034 1916</b>	Lining Method:
	Category:

Remark: **REVERSE INSPECTION**

1:450	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0033 Survey Begins	00:00:24	178	
	0.58	Water Level, 5 % of cross sectional area	00:00:48		
	0.58	Water Mark, 50 % of cross sectional area	00:00:49		M 3
	0.58	Deposits Settled Compacted, 5 % of cross sectional area, at 06 o'clock, within 8 inch: YES	00:00:50	179, b	M 2
	15.65	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:47	181	
	51.31	Hole Void Visible, at 12 o'clock, within 8 inch: NO	00:03:41	182, b	S 5
	88.04	Fracture Circumferential, from 06 to 10 o'clock, within 8 inch: YES	00:05:19	184, b	S 2
	92.42	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:55	186	
	180.36	Downstream Manhole, 1916-0034 Survey Ends	00:09:20	187	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	3121	7	5	12	3.5	2.5	3



## Inspection report

Date: <b>20081124</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2193</b>	PSR: <b>43419</b>
Total Pipe Length: <b>320</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11/24/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐: <b>1971</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0090</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1971-0089</b>
Location Code: <b>G Parking Lot</b>	Tape/Media ☐	pipe length: <b>267 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>320</b>
Drain. Area: <b>0089 1971-0090 1971</b>	Lining Method:
	Category:

Remark.: **REVERSE INSPECTION**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0090		11	
	0.00	Water Level, 0 ☐ of cross sectional area			M 2
	0.00	Water Mark, 0 ☐ of cross sectional area			M 2
	0.05	Reversal Inspection	00:00:30		
	49.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:57	24	
	99.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:24	25	
	140.00	Hole Void Visible, at 02 o'clock, within 8 inch: YES	00:07:28	26, b	S 5
	154.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:19	28	
	261.60	Alignment Left, (degrees)	00:12:52	29, b	M 1
	264.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:13:17	31	
	264.35	Water Level, Sag in pipe, 60 of cross sectional area	00:13:23	32	M 4
	265.85	Camera Underwater	00:13:35	33	M 4
	267.00	Survey Abandoned, Remark: CAMERA UNDER WATER/PIPE BENDS	00:13:58	34, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	4222	5	13	18	5	2.6	3



WinCan America, Inc.  
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## Inspection report

Date: <b>20081124</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2188</b>	PSR: <b>43419</b>
Total Pipe Length: <b>320</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11/24/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0089</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1971-0090</b>
Location Code: <b>G Parking Lot</b>	Tape/Media #:	pipe length: <b>52.35 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>320</b>
Drain. Area: <b>0089 1971-0090 1971</b>	Lining Method:
	Category:

Remark: **MH'S REVERSED ON MAP**

1:150	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1971-0089		1	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	33.55	Alignment Right, (degrees)	00:01:55	2, b	M 1
	36.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:21	4	
	40.65	Alignment Left, (degrees)	00:02:34	5, b	M 1
	43.20	Water Level, 25 % of cross sectional area	00:02:54	7	
	50.05	Alignment Left, (degrees)	00:03:15	8	M 1
	52.35	Survey Abandoned, Remark: PIPE BENDS / CAMERA UNDER WATE	00:03:53	9	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	4222	0	5	5	0	1.25	1.25



## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2400</b>	PSR: <b>43551</b>
Total Pipe Length: <b>351</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1917</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0387</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1917-0392</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>348.05 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 15 15</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>351</b>
Drain. Area: <b>0387 1917-0392 1917</b>	Lining Method:
	Category:

Remark: **MH'S REVERSED ON MAP**

1:850	position	observation	MPEG	photo	grade
		Upstream Manhole, Survey Begins 1917-0392  Water Level, 15" of cross sectional area  Water Mark, 15" of cross sectional area  Hole Void Visible, at 01 o'clock, within 8 inch: YES	00:01:27	45, b	S 5
	218.95	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:51	47	
	348.05	Downstream Manhole, Survey Ends 1917-0387	00:10:25	48	

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



## Inspection report

Date: <b>20081218</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2798</b>	PSR: <b>44066</b>
Total Pipe Length: <b>305</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:18 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐ <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0017</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-TRNK</b>
Location Code: <b>G Parking Lot</b>	Tape/Media ☐	pipe length: <b>249.28 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>305</b>
Drain. Area: <b>0017 1916-TRNK 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0017		126	
	0.00	Water Level, 5 ☐ of cross sectional area			
	0.00	Water Mark, 10 ☐ of cross sectional area			M 2
	11.24	Fracture Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:06	127, b	S 3
	18.47	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:30	129	
	19.58	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:41	130, b	S 4
	21.08	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:59	132	
	34.44	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:29	133, b	S 4
	41.56	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:54	135	
	48.79 S1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, start	00:03:15	136, b	S 3
	65.36	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:50	138	
	69.87	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:04:06	139, b	S 3
	70.38	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:21	141	
	91.06	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:56	142	
	108.53	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:36	143	
	117.16	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:58	144	
	123.28	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:17	145	
	169.77	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:26	146	
	183.32	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:08:01	147	
	212.83	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:01	148	
	235.02	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:43	149, b	S 4
	244.76 F1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:10:12	151	S 3
	249.28	Downstream Manhole, Survey Ends 1916-TRNK	00:10:48	152	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
433G	2100	135	2	137	3.07	2	3.04



## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2782</b>	PSR: <b>43939</b>
Total Pipe Length: <b>345</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.12 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0103</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0104</b>
Location Code: <b>H Alley</b>	Tape/Media #	pipe length: <b>348.17 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>345</b>
Drain. Area: <b>0103 1916-0104 1916</b>	Lining Method:
	Category:

Remark:: **MH REVERSED ON MAP**

1:759	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0104		72	
	0.00	Water Level, 5 % of cross sectional area			
	<u>0.00</u>	Water Mark, 10 % of cross sectional area			M 2
	5.22	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:57	73	
	<u>6.63</u>	Fracture Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:01:12	74, b	S 4
	7.53	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:28	76	
	55.32	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:08	77	
	58.13	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:23	78	
	<u>92.66</u>	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:04:30	79, b	S 1
	100.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:15	81	
	<u>101.30</u>	Crack Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:05:26	82, b	S 3
	102.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:40	84	
	<u>148.78</u>	Roots Fine Joint, from 10 to 03 o'clock, within 8 inch: YES	00:07:45	85, b	M 1
	<u>149.59</u>	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:07:58	87, b	S 3
	156.92	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:28	89	
	159.22	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:42	90	
	<u>187.44</u>	Fracture Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:09:45	91, b	S 4
	188.74	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:03	93	
	209.42	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:45	94	
	<u>237.53</u>	Roots Fine Joint, at 01 o'clock, within 8 inch: YES	00:12:47	95, b	M 1
	<u>240.74</u>	Crack Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:13:11	97, b	S 3
	313.23	Crack Circumferential, from 12 to 12 o'clock, within 8 inch: YES	00:16:13	99, b	S 1

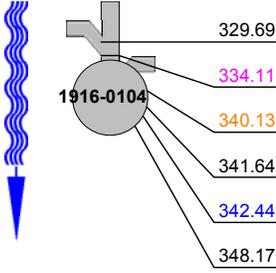


## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2782</b>	PSR: <b>43939</b>
Total Pipe Length: <b>345</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.12.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

1:759	position	observation	MPEG	photo	grade
	329.69	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:17:32	101	
	334.11	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:17:51	102, b	S 4
	340.13	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:18:28	104, b	S 3
	341.64	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:18:49	106	
	342.44	Fracture Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:18:59	107, b	S 2
	348.17	Downstream Manhole, Survey Ends 1916-0103	00:19:28	109	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4334	2112	28	4	32	2.8	1.33	2.46



## Inspection report

Date: <b>20081219</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2821</b>	PSR: <b>43761</b>
Total Pipe Length: <b>146</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:19 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1917</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0002</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1917-0003</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #	pipe length: <b>125.69 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 10 10</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>146</b>
Drain. Area: <b>0002 1917-0003 1917</b>	Lining Method:
	Category:

Remark.: **None**

1:325	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0002		235	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	23.79	Fracture Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:01:55	236, b	S 2
	65.16	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:02	238, b	S 4
	69.07	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:25	240, b	S 4
	115.95	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:54	242, b	S 4
	125.69	Downstream Manhole, Survey Ends 1917-0003	00:06:50	244	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4321	2100	14	2	16	3.5	2	3.2



## Inspection report

Date: <b>20081217</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2814</b>	PSR: <b>43946</b>
Total Pipe Length: <b>214</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0110</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0111</b>
Location Code: <b>H Alley</b>	Tape/Media #	pipe length: <b>246.97 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>214</b>
Drain. Area: <b>0110 1916-0111 1916</b>	Lining Method:
	Category:

Remark:: **None**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0111			74
	0.00	Water Level, 15 % of cross sectional area			
	0.00	Water Mark, 20 % of cross sectional area			M 2
	39.96	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:02		75
	42.57	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:15		76
	66.06	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:06		
	88.35	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:29		77
	90.76	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:42		78
	136.94	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:06:02	79, b	S 4
	137.94	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:14		81
	139.35	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:06:24	82, b	S 2
	140.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:37		84
	184.93	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:08:08	85, b	S 2
	185.83	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:08:19	87, b	S 4
	187.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:34		89
	190.25	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:48		90
	216.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:43		91
	236.93	Tap Factory Made Defective, at 03 o'clock, 8", within 8 inch: YES	00:10:53	92, b	M 2
	239.24	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:14		94
	240.64	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:11:27	95, b	S 3
	246.97	Downstream Manhole, Survey Ends 1916-0110	00:12:04		97

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2200	15	4	19	3	2	2.71



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## Inspection report

Date: <b>20081223</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2885</b>	PSR: <b>43665</b>
Total Pipe Length: <b>187</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.23 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0336</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0337</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #	pipe length: <b>187.84 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 12 12</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>187</b>
Drain. Area: <b>0336 1916-0337 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0336		37	
	0.00	Water Level, 10 of cross sectional area			
	0.00	Water Mark, 15 of cross sectional area			M 2
	35.84	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:02:05	38, b	S 4
	122.58	Fracture Multiple, from 11 to 06 o'clock, within 8 inch: YES	00:05:08	40, b	S 4
	173.68	Crack Multiple, from 01 to 06 o'clock, within 8 inch: YES	00:07:06	42, b	S 3
	178.70	Crack Circumferential, from 09 to 02 o'clock, within 8 inch: YES	00:07:33	44, b	S 1
	187.84	Downstream Manhole, Survey Ends 1916-0337	00:08:24	46	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2100	12	2	14	3	2	2.8



## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2608</b>	PSR: <b>43954</b>
Total Pipe Length: <b>192</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:12 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0117</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0118</b>
Location Code: <b>H Alley</b>	Tape/Media #:	pipe length: <b>211.3 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>192</b>
Drain. Area: <b>0117 1916-0118 1916</b>	Lining Method:
	Category:

Remark: **NONE**

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0118 Survey Begins	00:00:06	9	
	2.31	Water Level, 5 % of cross sectional area	00:00:23		
	2.31	Water Mark, 10 % of cross sectional area	00:00:24		M 2
	65.08	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:35	10	
	76.53	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:10	11	
	96.21	Crack Spiral, from 07 to 10 o'clock, within 8 inch: YES	00:04:09	12, b	S 2
	97.72	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:40	14	
	130.45	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:05:56	15	
	159.18	Broken, from 07 to 09 o'clock, within 8 inch: YES	00:07:39	16, b	S 4
	159.18	Fracture Circumferential, from 09 to 12 o'clock, within 8 inch: YES	00:08:05	18, b	S 2
	161.89	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:08:37	20, b	S 2
	161.99	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:08:46	22, b	S 2
	186.39	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:10:27	24, b	S 4
	198.54	Crack Circumferential, from 06 to 12 o'clock, within 8 inch: YES	00:11:15	26, b	S 1
	211.30	Downstream Manhole, 1916-0117 Survey Ends	00:12:21	28	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4224	2100	17	2	19	2.43	2	2.38



# Inspection report

Date: <b>20081126</b>	P.O. # <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2292</b>	PSR: <b>43431</b>
Total Pipe Length: <b>213</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11.26.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>GREENWOOD AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0008</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1971-0009</b>
Location Code: <b>C Light Highway</b>	Tape/Media #	pipe length: <b>251.05 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>213</b>
Drain. Area: <b>0008 1971-0009 1971</b>	Lining Method:
	Category:

Remark: **AGAINST THE FLOW**

1:625	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1971-0009		25	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	14.70	Crack Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:01:02	26, b	S 3
	23.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:28	28	
	26.70	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:01:46	29, b	S 3
	36.25	Crack Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:02:22	31, b	S 3
	48.00	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:03:05	33, b	S 3
	78.60	Crack Multiple, from 05 to 08 o'clock, within 8 inch: YES	00:04:25	35, b	S 3
	84.90	Crack Multiple, from 12 to 09 o'clock, within 8 inch: YES	00:04:56	37, b	S 3
	89.65	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:15	39	
	96.80 S1	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES, start	00:05:37	40, b	S 3
	131.15	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:58	42	
	169.85	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:17	43	
	187.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:58	44	
	242.00	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:10:49	45, b	S 4
	246.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:17	47	
	246.90 F1	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES, end	00:11:28	48	S 3
	251.05	Upstream Manhole, Survey Ends 1971-0008	00:12:06	49	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413F	2100	112	2	114	3.03	2	3



## Inspection report

Date: <b>20081203</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J SALAS</b>	section number: <b>2665</b>	PSR: <b>44070</b>
Total Pipe Length: <b>277</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.03 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1915</b>

Street: <b>FITZGERALD AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1915-0755</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1915-0756</b>
Location Code: <b>C Light Highway</b>	Tape/Media #	pipe length: <b>200.05 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>277</b>
Drain. Area: <b>0755 1915-0756 1915</b>	Lining Method:
	Category:

Remark.: **NONE**

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1915-0755		89	
	0.00	Water Level, 10 # of cross sectional area			
	0.00	Water Mark, 10 # of cross sectional area			M 2
	6.03	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:02	90	
	22.19	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:40	91, b	S 3
	26.61	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:06	93	
	48.71	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:01	94, b	S 3
	57.85 S1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, start	00:03:28	96, b	S 3
	62.47	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:58	98	
	70.90	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:23	99	
	102.54	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:05:49	100, b	S 4
	104.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:07	102	
	148.93	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:33	103	
	192.82 F1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:09:09		S 3
	200.05	Downstream Manhole, Survey Ends 1915-0755	00:09:34	104	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
413D	2100	91	2	93	3.03	2	3



## Inspection report

Date: <b>20081203</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>j.SALAS</b>	section number: <b>2666</b>	PSR: <b>44071</b>
Total Pipe Length: <b>245</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date:	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1915</b>

Street: <b>FITZGERALD AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1915-0756</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1915-0757</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>322.37 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length:
Drain. Area: <b>0756 1915-0757 1915</b>	Lining Method:
	Category:

Remark::

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1915-0757		35259	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 20 % of cross sectional area			M 2
	54.73	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:02:32	35260, b	S 3
	57.85	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:02:59	35262, b	S 3
	63.67	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:45	35264, b	S 3
	66.88	Crack Circumferential, from 07 to 09 o'clock, within 8 inch: YES	00:04:15	35266, b	S 1
	67.79	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:31	35268	
	70.30	Fracture Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:04:54	35269, b	S 4
	70.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:22	35271	
	72.91	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:05:36	35272	
	74.22	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:05:52	35273, b	S 3
	80.54	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:06:19	35275, b	S 3
	86.57	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:40	35277, b	S 3
	109.06	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:29	35279	
	142.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:42	35280	
	150.54	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:07	35281	
	186.69	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:13	35282	
	188.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:25	35283	
	200.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:50	35284	
	218.33	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:26	35285	
	269.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:59	35286	
	271.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:13:13	35287	



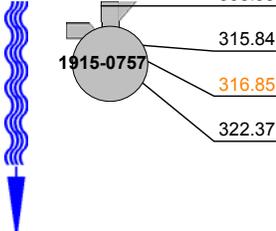
## Inspection report

Date: <b>20081203</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>j.SALAS</b>	section number: <b>2666</b>	PSR: <b>44071</b>
Total Pipe Length: <b>245</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date:	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1915</b>

1:726	position	observation	MPEG	photo	grade
	303.99	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:14:11	35288	
	315.84	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:14:39	35289	
	<u>316.85</u>	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:14:47		S 3
	322.37	Downstream Manhole, Survey Ends 1915-0756	00:15:01	35290	

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





## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J SALAS</b>	section number: <b>2710</b>	PSR: <b>44109</b>
Total Pipe Length: <b>388</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>WILMA AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0008</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1915-0753</b>
Location Code: <b>C Light Highway</b>	Tape/Media #	pipe length: <b>328.7 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>388</b>
Drain. Area: <b>0008 1916-0753 1915</b>	Lining Method:
	Category:

Remark:: **NONE**

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1915-0753		1	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Level, 5 % of cross sectional area			
	5.62	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:07	2	
	25.11	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:46	3, b	S 2
	29.63	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:04	5	
	32.14	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:31	6	
	42.78	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:23	7	
	60.56	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:15	8	
	75.22	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:54	9	
	107.76	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:12	10	
	111.27	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:26	11	
	133.17	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:13	12, b	S 3
	141.10	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:41	14	
	149.84	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:10	15	
	153.85	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:24	16, b	S 3
	158.37	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:48	18	
	160.78	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:02	19	
	191.01	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:53	20	
	205.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:23	21	
	209.19	Roots Ball Barrell, from 07 to 09 o'clock, 10 % , within 8 inch: YES	00:09:44	22, b	M 5
	214.21	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:15	24	
	220.64	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:10:33	25, b	M 1
	295.15	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:12:33	27, b	S 4



**WinCan America, Inc.**  
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 Albuquerque, NM 87107  
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## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J SALAS</b>	section number: <b>2710</b>	PSR: <b>44109</b>
Total Pipe Length: <b>388</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

1:726	position	observation	MPEG	photo	grade		
		Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES  Downstream Manhole, Survey Ends 1916-0008	00:13:22  00:13:42	29  30			
	322.07  328.70						
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	5111	12	6	18	3	3	3



## Inspection report

Date: <b>20081103</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>1700</b>	PSR: <b>43465</b>
Total Pipe Length: <b>269</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11.03.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>WATCHER ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0040</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1971-0057</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>347.08 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>269</b>
Drain. Area: <b>0040 1971-0057 1971</b>	Lining Method:
	Category:

Remark:: **NONE**

1:528	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0040		59	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	22.84	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:20	60	
	31.66	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:55	61	
	39.38	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:03:27	62	
	46.89	Tap Factory Made Active, at 12 o'clock, 6", within 8 inch: YES	00:04:01	63	
	82.76	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:53	64	
	83.66	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:06:04	65, b	M 1
	102.80	Roots Fine Joint, from 08 to 02 o'clock, within 8 inch: YES	00:07:01	67, b	M 1
	103.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:23	69	
	126.05	Roots Ball Joint, from 01 to 05 o'clock, 30 %, within 8 inch: YES	00:08:30	70, b	M 4
	127.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:03	72	
	131.36	Roots Fine Joint, from 08 to 04 o'clock, within 8 inch: YES	00:11:14	73, b	M 1
	134.46	Roots Fine Joint, from 07 to 04 o'clock, within 8 inch: YES, start	00:12:16	75, b	M 1
	142.48	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:48	77	
	143.28	Crack Spiral, from 09 to 03 o'clock, within 8 inch: YES	00:14:16	78, b	S 2
	164.92	Roots Ball Joint, from 09 to 04 o'clock, 40 %, within 8 inch: YES	00:15:43	80, b	M 4
	166.23	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:16:05	82	
	182.56	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:16:58	83, b	S 2
	188.17	Fracture Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:17:35	85, b	S 4
	189.87	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:17:51	87	
	210.71	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:18:51	88	
	217.43 F1	Roots Fine Joint, from 07 to 04 o'clock, within 8 inch: YES, end	00:19:17	89	M 1



## Inspection report

Date: <b>20081103</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>1700</b>	PSR: <b>43465</b>
Total Pipe Length: <b>269</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11.03.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

1:528	position	observation	MPEG	photo	grade
	<u>227.25</u>	Crack Spiral, from 09 to 01 o'clock, within 8 inch: YES	00:19:56	90, b	S 2
	<u>228.55</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:20:13	92	
	<u>272.94</u>	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:22:28	93, b	S 3
	<u>292.27</u>	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:23:46	95	
	<u>347.08</u>	Downstream Manhole, Survey Ends 1971-0057	00:27:06	96	



## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2604</b>	PSR: <b>43919</b>
Total Pipe Length: <b>351</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:12 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0083</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0113</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #	pipe length: <b>342.45 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>351</b>
Drain. Area: <b>0083 1916-0113 1916</b>	Lining Method:
	Category:

Remark: **AGAINST THE FLOW**

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1916-0113 Survey Begins	00:00:05		
	0.00	Drop Connection	00:00:23	104	
	1.91	Water Level, 5 % of cross sectional area	00:01:46		
	2.01	Water Mark, 15 % of cross sectional area	00:01:50		M 2
	2.01	Broken, from 11 to 01 o'clock, within 8 inch: YES	00:01:51	105, b	S 4
	3.11	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:42	107, b	S 2
	3.11	Crack Spiral, from 02 to 05 o'clock, within 8 inch: YES	00:02:45	109, b	S 2
	65.48	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:02	111	
	67.79	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:13	112	
	191.92	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:10:18	113, b	S 3
	218.03	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:38	115	
	220.64	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:51	116	
	262.01	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:08	117	
	273.26	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:39	118	
	321.16	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:15:23	119	
	326.59	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:15:42	120	
	342.45	Upstream Manhole, 1916-0083 Survey Ends	00:16:26		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2100	11	2	13	2.75	2	2.6



## Inspection report

Date: <b>20081210</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2624</b>	PSR: <b>44038</b>
Total Pipe Length: <b>341</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:10 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐ <b>1916</b>

Street: <b>BARTMUS ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0068</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0069</b>
Location Code: <b>C Light Highway</b>	Tape/Media ☐	pipe length: <b>322.47 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>341</b>
Drain. Area: <b>0068 1916-0069 1916</b>	Lining Method:
	Category:

Remark.: **AGAINST THE FLOW**

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1916-0069 Survey Begins	00:00:09	34794	
	0.00	Water Level, 15 ☐ of cross sectional area	00:01:00		
	<u>0.00</u>	<b>Water Mark, 15 ☐ of cross sectional area</b>	<b>00:01:03</b>		<b>M 2</b>
	<u>0.00</u>	Roots Fine Joint, from 03 to 05 o'clock, within 8 inch: YES	00:01:14	34795, b	M 1
	<u>5.02</u>	Crack Circumferential, from 06 to 12 o'clock, within 8 inch: YES	00:02:09	34797, b	S 1
	<u>5.42</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:26	34799	
	<u>6.33</u>	Roots Fine Joint, from 03 to 08 o'clock, within 8 inch: YES	00:02:40	34800	M 1
	<u>37.96</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:40	34801	
	<u>44.89</u>	Roots Fine Joint, from 03 to 08 o'clock, within 8 inch: YES	00:04:00	34802, b	M 1
	<u>52.72</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO, Remark: ROOTS	00:04:30	34804, b	
	<u>103.64</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:27	34806	
	<u>226.06</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:31	34807	
	<u>240.42</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:11:10	34808	
	<u>269.85</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:15	34809	
	<u>317.35</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:55	34810	
	<u>318.65</u>	<b>Fracture Multiple, from 04 to 07 o'clock, within 8 inch: YES</b>	<b>00:14:31</b>	<b>34811, b</b>	<b>S 4</b>
	<u>318.65</u>	<b>Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES</b>	<b>00:14:53</b>	<b>34813, b</b>	<b>S 3</b>
	<u>322.47</u>	Upstream Manhole, 1916-0068 Survey Ends	00:15:37	34815	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2113	8	5	13	2.67	1.25	1.86



## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J SALAS</b>	section number: <b>2709</b>	PSR: <b>44054</b>
Total Pipe Length: <b>383</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>WILMA AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0007</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0008</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>327.09 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length:
Drain. Area: <b>0007 1916-0008 1916</b>	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0008			31
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	38.06	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:46		32
	61.46	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:29		33
	76.12	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:57		34
	81.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:13		35
	96.31	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:42		36
	107.96	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:07		37
	131.76	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:50		38
	140.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:12		39
	142.61	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:26		40
	143.91	Crack Multiple, from 03 to 06 o'clock, within 8 inch: YES	00:05:40	41, b	S 3
	149.43	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:59	43, b	S 4
	193.82	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:16		45
	229.88	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:18		46
	244.34	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:48		47
	274.26	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:40		48
	306.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:44		49
	321.36	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:14		50
	327.09	Downstream Manhole, Survey Ends 1916-0007	00:11:39		51

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



## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2779</b>	PSR: <b>44033</b>
Total Pipe Length: <b>355</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12/12/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0062</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0104</b>
Location Code: <b>H Alley</b>	Tape/Media #:	pipe length: <b>350.07 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>355</b>
Drain. Area: <b>0062 1916-0104 1916</b>	Lining Method:
	Category:

Remark: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0062		44	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	63.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:09	45	
	65.96	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:25	46	
	69.47	Roots Fine Joint, from 12 to 05 o'clock, within 8 inch: YES	00:03:39	47, b	M 1
	73.19	Roots Fine Joint, from 01 to 04 o'clock, within 8 inch: YES	00:04:09	49, b	M 1
	108.02	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:05:15	51	
	110.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:29	52	
	111.24	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:05:38	53, b	M 1
	157.42	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:02	55, b	S 3
	158.82	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:22	57	
	161.33	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:35	58	
	205.10	Fracture Circumferential, from 07 to 12 o'clock, within 8 inch: YES	00:09:15	59, b	S 2
	206.31	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:40	61	
	207.71	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:09:58	62, b	S 2
	208.92	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:24	64	
	254.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:45	65	
	256.51	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:58	66	
	305.90	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:13:35	67, b	S 4
	307.10	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:13:51	69	
	309.61	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:06	70	
	350.07	Downstream Manhole, Survey Ends 1916-0104	00:15:38	71	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2113	11	5	16	2.75	1.25	2



## Inspection report

Date: <b>20081211</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2616</b>	PSR: <b>43955</b>
Total Pipe Length: <b>321</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:11 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>FIDELIA AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0117</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0123</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>315.44 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>321</b>
Drain. Area: <b>0117 1916-0123 1916</b>	Lining Method:
	Category:

Remark.: **NONE**

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0123 Survey Begins	00:00:11		
	9.34	Water Level, 10 % of cross sectional area	00:00:37		
	9.34	Water Mark, 20 % of cross sectional area	00:00:38		M 2
	54.73	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:02:12	34696, b	S 4
	56.54	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:32	34698	
	59.25	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:44	34699	
	175.95	Crack Longitudinal, at 07 o'clock, within 8 inch: YES	00:06:40	34700, b	S 2
	179.36	Crack Circumferential, from 04 to 08 o'clock, within 8 inch: YES	00:07:34	34702, b	S 1
	219.33	Crack Circumferential, from 07 to 04 o'clock, within 8 inch: YES	00:08:57	34704, b	S 1
	248.76	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:10:04	34706, b	S 2
	265.73	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:46	34708	
	280.29	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:25	34709	
	284.51	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:11:42	34710, b	S 1
	287.52	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:12:05	34712, b	S 2
	315.44	Downstream Manhole, 1916-0117 Survey Ends	00:13:28	34714	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	2100	13	2	15	1.86	2	1.88



## Inspection report

Date: <b>20081230</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2931</b>	PSR: <b>43883</b>
Total Pipe Length: <b>301</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.30 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0246</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0247</b>
Location Code: <b>G Parking Lot</b>	Tape/Media #	pipe length: <b>324.17 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 12 12</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>301</b>
Drain. Area: <b>0246 1916-0247 1916</b>	Lining Method:
	Category:

Remark: **A THE FLOW**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0247	00:00:28	9	
	0.00	Water Level, 5 of cross sectional area			
	0.00	Water Mark, 10 of cross sectional area			M 2
	18.07	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:59	10	
	71.18	Tap Factory Made Active, at 01 o'clock, 6", within 8 inch: YES	00:03:50	11, b	
	88.85	Fracture Circumferential, from 01 to 07 o'clock, within 8 inch: YES	00:04:42	17, b	S 2
	114.85	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:33	19	
	147.18	Crack Circumferential, from 06 to 12 o'clock, within 8 inch: YES	00:06:33	20, b	S 1
	152.10	Fracture Circumferential, from 01 to 06 o'clock, within 8 inch: YES	00:06:55	22, b	S 2
	168.56	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:07:37	24	
	237.33	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:48	25	
	259.22	Crack Spiral, from 06 to 12 o'clock, within 8 inch: YES	00:10:33	26, b	S 2
	273.97	Crack Circumferential, from 06 to 10 o'clock, within 8 inch: YES	00:11:22	28, b	S 1
	275.48	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:11:38	30	
	307.31	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:12:51	31, b	S 4
	324.17	Downstream Manhole, Survey Ends 1916-0246	00:13:34	33	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	2100	12	2	14	2	2	2



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

Date: <b>20081223</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2892</b>	PSR: <b>43779</b>
Total Pipe Length: <b>77</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.23 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1917</b>

Street: <b>61ST ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0019</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1917-TRNK</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>123.38 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>77</b>
Drain. Area: <b>0019 1917-TRNK 1917</b>	Lining Method:
	Category:

Remark.: **None**

1:325	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0019		10	
	0.00	Water Level, 5' of cross sectional area			
	0.00	Water Mark, 10' of cross sectional area			M 2
	66.06	Fracture Circumferential, from 06 to 11 o'clock, within 8 inch: YES	00:02:27	11, b	S 2
	69.27	Fracture Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:03:01	13, b	S 4
	110.03	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:04:26	15, b	S 2
	123.38	Downstream Manhole, Survey Ends 1917-TRNK	00:05:22	17	

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



## Inspection report

Date: <b>20081205</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2407</b>	PSR: <b>43563</b>
Total Pipe Length: <b>90</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.05 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1917</b>

Street: <b>RANDOLPH ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0399</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1917-0400</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>86.7 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 10 10</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>90</b>
Drain. Area: <b>0399 1917-0400 1917</b>	Lining Method:
	Category:

Remark.: **NONE**

1:225	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0399			13
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	53.15	Tap Factory Made Active, at 11 o'clock, 6", within 8 inch: YES	00:02:14		14
	53.20	Crack Spiral, from 08 to 10 o'clock, within 8 inch: YES	00:03:02	17, b	S 2
	53.75	Broken, from 10 to 12 o'clock, within 8 inch: YES	00:02:32	15, b	S 4
	86.70	Downstream Manhole, Survey Ends 1917-0400	00:04:14		19

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



## Inspection report

Date: <b>20081216</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2792</b>	PSR: <b>43938</b>
Total Pipe Length: <b>323</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.16.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0102</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0109</b>
Location Code: <b>H Alley</b>	Tape/Media #:	pipe length: <b>349.97 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>323</b>
Drain. Area: <b>0102 1916-0109 1916</b>	Lining Method:
	Category:

Remark: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0102		25	
	0.00	Water Level, 10 % of cross sectional area			
	0.00	Water Mark, 15 % of cross sectional area			M 2
	28.11	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:56	26	
	30.62	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:09	27	
	76.90	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:03:36	28, b	S 4
	78.21	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:50	30	
	80.82	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:05	31	
	81.72	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:04:15	32, b	S 1
	116.56	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:31	34	
	131.21	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:07	35	
	183.72	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:07:41	36, b	S 2
	260.12	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:23	38	
	262.93	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:11	39	
	303.09 S1	Deposits Attached Grease, 5 % of cross sectional area, from 10 to 03 o'clock, within 8 inch: YES, start	00:14:02	40	M 2
	319.85	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:14:48	41	
	322.16	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:15:03	42	
	322.87 F1	Deposits Attached Grease, 5 % of cross sectional area, from 10 to 03 o'clock, within 8 inch: YES, end	00:15:12	43	M 2
	349.97	Downstream Manhole, Survey Ends 1916-0109	00:17:51	44	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2500	7	10	17	2.33	2	2.13



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## Inspection report

Date: <b>20081219</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2822</b>	PSR: <b>43762</b>
Total Pipe Length: <b>352</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:19 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1917</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0003</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1917-0004</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #	pipe length: <b>235.32 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 10 10</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>352</b>
Drain. Area: <b>0003 1917-0004 1917</b>	Lining Method:
	Category:

Remark: **A THE FLOW**

1:575	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0004			245
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 15 % of cross sectional area			M 2
	88.55	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:17		246
	174.99	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:06:07		247
	216.15	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:34	248, b	S 4
	224.28	Fracture Circumferential, from 08 to 01 o'clock, within 8 inch: YES	00:08:21	250, b	S 2
	235.32	Upstream Manhole, Survey Ends 1917-0003	00:08:57		252

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



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## Inspection report

Date: <b>20090106</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2963</b>	PSR: <b>44139</b>
Total Pipe Length: <b>102</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>01.06.2009</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐ <b>1916</b>

Street: <b>SLAUSON AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0280</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0360</b>
Location Code: <b>A Main Highway - Urban</b>	Tape/Media ☐	pipe length: <b>100.19 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>102</b>
Drain. Area: <b>0280 1916-0360 1916</b>	Lining Method:
	Category:

Remark.: **MH☐ REVERSED ON MAP**

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0360		1	
	0.00	Water Level, 0 ☐ of cross sectional area			
	0.00	Water Mark, 5 of cross sectional area			M 2
	5.82	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:33	2	
	7.13	Fracture Circumferential, from 08 to 12 o'clock, within 8 inch: YES	00:01:43	3, b	S 2
	16.56	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:02:21	5, b	S 4
	100.19	Downstream Manhole, Survey Ends 1916-0280	00:05:01	7	

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



## Inspection report

Date: <b>20081217</b>	P.O.☐: <b>Y0TV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2805</b>	PSR: <b>43923</b>
Total Pipe Length: <b>323</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0088</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0089</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media ☐	pipe length: <b>299.27 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>323</b>
Drain. Area: <b>0088 1916-0089 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0088		1	
	0.00	Water Level, 5 ☐ of cross sectional area			
	0.00	Water Mark, 10 ☐ of cross sectional area			M 2
	73.49	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:10	2	
	76.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:33	3	
	111.24	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:19	4	
	111.74	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:06:30	5, b	S 1
	113.75	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES, Remark: Roots	00:06:53	7	
	144.87	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:08:31	8, b	S 4
	161.33	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:12	10	
	166.85	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:34	11	
	214.24	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:11	12	
	216.75	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:12:27	13	
	260.92	Tap Break-In Active, at 10 o'clock, 4", within 8 inch: YES	00:13:51	14	
	265.04	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:14:12	15, b	M 1
	266.55	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES, Remark: Roots	00:14:29	17	
	288.13	Roots Fine Joint, from 02 to 05 o'clock, within 8 inch: YES	00:15:46	18, b	M 1
	299.27	Downstream Manhole, Survey Ends 1916-0089	00:16:59	20	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2112	5	4	9	2.5	1.33	1.8



## Inspection report

Date: <b>20081201</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2305</b>	PSR: <b>43495</b>
Total Pipe Length: <b>350</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.01 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1917</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0556</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1917-0557</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #	pipe length: <b>350.2 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>350</b>
Drain. Area: <b>0556 1917-0557 1917</b>	Lining Method:
	Category:

Remark:: **MH'S REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0556			143
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 5 % of cross sectional area			M 2
	211.30	Fracture Multiple, from 12 to 09 o'clock, within 8 inch: YES	00:07:30	149, b	S 4
	350.20	Upstream Manhole, Survey Ends 1917-0557	00:12:32		151

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



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## Inspection report

Date: <b>20081215</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2663</b>	PSR: <b>43541</b>
Total Pipe Length: <b>102</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:15 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐ <b>1917</b>

Street: <b>SLAUSON AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1917-0543</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1917-TRNK</b>
Location Code: <b>A Main Highway - Urban</b>	Tape/Media ☐	pipe length: <b>93.67 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 12 12</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>102</b>
Drain. Area: <b>0543 1917-TRNK 1917</b>	Lining Method:
	Category:

Remark.: **None**

1:250	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0543	00:00:32	38	
	0.00	Water Level, 5 ☐ of cross sectional area			
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	85.94	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:06:27	39, b	S 4
	93.67	Downstream Manhole, Survey Ends 1917-TRNK	00:07:48	41	

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



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## Inspection report

Date: <b>20081216</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2696</b>	PSR: <b>43451</b>
Total Pipe Length: <b>66</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:15 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>SLAUSON AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0024</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1971-0031</b>
Location Code: <b>A Main Highway - Urban</b>	Tape/Media #:	pipe length: <b>58.2 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>66</b>
Drain. Area: <b>0024 1971-0031 1971</b>	Lining Method:
	Category:

Remark.: **NONE**

1:150	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0024		95	
	0.00	Water Level, 5' of cross sectional area			
	0.00	Water Mark, 5' of cross sectional area			M 2
	20.25	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:02:23	96, b	S 4
	48.20	Roots Fine Joint, at 09 o'clock, within 8 inch: YES	00:03:44	98, b	M 1
	58.20	Downstream Manhole, Survey Ends 1971-0031	00:04:29	100	

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



## Inspection report

Date: <b>20081212</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2778</b>	PSR: <b>44032</b>
Total Pipe Length: <b>317</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.12.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0062</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0063</b>
Location Code: <b>H Alley</b>	Tape/Media #:	pipe length: <b>324.37 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>317</b>
Drain. Area: <b>0062 1916-0063 1916</b>	Lining Method:
	Category:

Remark: **MH REVERSED ON MAP**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0063		22	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	70.58	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:50	23	
	103.41	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:09	24	
	105.92	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:22	25	
	154.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:50	26	
	187.13	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:55	27	
	202.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:37	28	
	207.21	Fracture Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:09:21	29, b	S 4
	235.62	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:35	31	
	262.53	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:47	32	
	324.37	Downstream Manhole, Survey Ends 1916-0062	00:14:12	33	

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



## Inspection report

Date: <b>20081216</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2785</b>	PSR: <b>43929</b>
Total Pipe Length: <b>357</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.16.2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0093</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0094</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>323.47 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>357</b>
Drain. Area: <b>0093 1916-0094 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0094		144	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	21.18	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:01:45	145	
	23.89	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:17	146	
	100.49	Roots Fine Joint, from 12 to 03 o'clock, within 8 inch: YES	00:05:22	147, b	M 1
	104.31 S1	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, start	00:05:38	149, b	M 1
	135.53	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:06	151	
	137.74	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:27	152	
	154.81	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:45	153	
	157.22	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:08:59	154	
	157.22 F1	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, end	00:09:07	155	M 1
	205.10	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:10:40	156	
	207.71	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:55	157	
	255.00	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:13:08	158	
	258.71	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:13:58	159	
	274.07	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:14:51	160, b	S 4
	303.59	Roots Ball Joint, from 09 to 11 o'clock, 5 %, within 8 inch: YES	00:15:54	162, b	M 4
	304.90	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES, Remark: Roots	00:16:08	164	
	305.70	Roots Ball Joint, from 08 to 11 o'clock, 10 %, within 8 inch: YES	00:16:17	165, b	M 4
	308.11	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES, Remark: Roots	00:17:26	167	
	323.47	Downstream Manhole, Survey Ends 1916-0093	00:18:29	168	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4221	4	22	26	4	1.47	1.63



## Inspection report

Date: <b>20081217</b>	P.O. #: <b>YOTV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2793</b>	PSR: <b>43924</b>
Total Pipe Length:	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #:

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0090</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0089</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>224.38 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length:
Drain. Area: <b>0089 1916-0090 1916</b>	Lining Method:
	Category:

Remark.: **REVERSED**

1:550	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1916-0090		319	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 % of cross sectional area			M 2
	4.92	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:13	320, b	S 4
	26.60	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:04	322	
	29.01	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:16	323	
	94.37	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:38	324	
	96.78	Tap Break-In Active, at 02 o'clock, 4", within 8 inch: YES	00:04:49	325	
	99.69	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:05:09	326	
	141.35	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:47	327	
	146.78	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:06	328	
	194.06	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:40	329	
	199.48	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES, Remark: Roots	00:08:58	330	
	224.38	Survey Abandoned, Remark: REVERSED COMPLETED	00:09:59	331, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4122	4	2	6	4	2	3



## Inspection report

Date: <b>20081217</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2806</b>	PSR: <b>43924</b>
Total Pipe Length: <b>281</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0089</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0090</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>85.23 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>281</b>
Drain. Area: <b>0089 1916-0090 1916</b>	Lining Method:
	Category:

Remark: **None**

1:225	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0089		21	
	0.00	Water Level, 5 % of cross sectional area			
	0.00	Water Mark, 10 of cross sectional area			M 2
	3.61	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:00:51	22, b	M 1
	8.43	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:11	24	
	10.94	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:25	25	
	11.65	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:01:33	26, b	M 1
	13.85	Tap Break-In Active, at 03 o'clock, 4", within 8 inch: YES	00:02:05	28	
	14.26	Roots Ball Joint, from 04 to 07 o'clock, 5 %, within 8 inch: YES	00:02:15	29, b	M 4
	44.47	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES	00:03:40	31, b	M 1
	61.24	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:25	33	
	66.66	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:46	34	
	85.23	Obstacles Inuding Thru Wall, 5 % of cross sectional area, at 10 o'clock, Remark: PIPE	00:05:55	35, b	M 2
	85.23	Survey Abandoned, Remark: PIPE BLOCKING CAMARA	00:06:25	37, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4122	0	11	11	0	1.83	1.83



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## Inspection report

Date: <b>20081217</b>	P.O.☐ <b>Y0TV0809B</b>	Weather: <b>3 Light rain</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2807</b>	PSR: <b>43925</b>
Total Pipe Length: <b>72</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid ☐ <b>1916</b>

Street: <b>JILLSON ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0090</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0091</b>
Location Code: <b>C Light Highway</b>	Tape/Media ☐:	pipe length: <b>27.31 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>72</b>
Drain. Area: <b>0090 1916-0091 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:75	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1916-0090			53
	0.00	Water Level, 5 ☐ of cross sectional area			
	0.00	Water Mark, 10 ☐ of cross sectional area			M 2
	21.99	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:01:42	54, b	S 4
	27.31	Downstream Manhole, Survey Ends 1916-0091	00:02:15		56

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



## Inspection report

Date: <b>20081216</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2844</b>	PSR: <b>43949</b>
Total Pipe Length:	Survey Customer: <b>LACOPW</b>	System Owner: <b>LACOPW</b>	Clean Date: <b>12:15 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>ALLEY</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0114</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-0113</b>
Location Code: <b>H Alley</b>	Tape/Media #	pipe length: <b>130.22 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length:
Drain. Area: <b>0113 1916-0114 1916</b>	Lining Method:
	Category:

Remark.: **NONE**

1:325	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0114 Survey Begins	00:00:09	114	
	1.07	Water Level, 10 % of cross sectional area	00:00:30		
	1.07	Water Mark, 10 % of cross sectional area	00:00:40		M 2
	71.52	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:09	115	
	73.66	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:24	116	
	117.39	Water Level, Sag in pipe, 40 % of cross sectional area	00:05:04		M 3
	118.56	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:11	117	
	121.08	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:05:29	118	
	123.13	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:06:41	119, b	S 4
	130.22	Downstream Manhole, 1916-0113 Survey Ends	00:07:32		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	3121	4	5	9	4	2.5	3



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## Inspection report

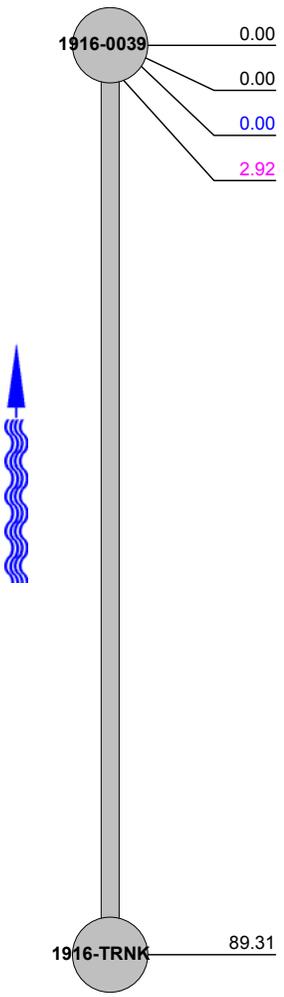
Date: <b>20081217</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>2 Heavy rain</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2852</b>	PSR: <b>44008</b>
Total Pipe Length: <b>128</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:17 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>SHEILA ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0039</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-TRNK</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>89.31 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>128</b>
Drain. Area: <b>0039 1916-TRNK 1916</b>	Lining Method:
	Category:

Remark.: **Against the flow**

1:225	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1916-TRNK Survey Begins	00:00:06		
	0.00	Water Level, 5' of cross sectional area	00:00:10		
	0.00	Water Mark, 5' of cross sectional area	00:00:13		M 2
	2.92	Fracture Multiple, from 05 to 07 o'clock, within 8 inch: YES	00:00:53	3, b	S 4
	89.31	Upstream Manhole, 1916-0039 Survey Ends	00:04:16	5	



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



## Inspection report

Date: <b>20081219</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>R.RUIZ</b>	section number: <b>2854</b>	PSR: <b>44011</b>
Total Pipe Length: <b>50</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12:19 2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1916</b>

Street: <b>DANIEL AV</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0042</b>
City: <b>CMR</b>	Year Renewed	End MH: <b>1916-TRNK</b>
Location Code: <b>C Light Highway</b>	Tape/Media #	pipe length: <b>7.39 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>50</b>
Drain. Area: <b>0042 1916-TRNK 1916</b>	Lining Method:
	Category:

Remark.: **NONE**

1:25	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1916-0042 Survey Begins	00:00:06		
	5.05	Water Level, 1 □ of cross sectional area	00:00:51		
	5.05	Water Mark, 5 □ of cross sectional area	00:00:56		M 2
	5.05	Fracture Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:01:08	93, b	S 4
	7.39	Downstream Manhole, 1916-TRNK Survey Ends	00:02:16	95	

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



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## Inspection report

Date: <b>20081223</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>J. Salas</b>	section number: <b>2887</b>	PSR: <b>43667</b>
Total Pipe Length: <b>87</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>12.23 2008</b>	Pre-Cleaned: <b>H Heavy Cleaning</b>	Map Grid #: <b>1916</b>

Street: <b>0</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1916-0338</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1916-0339</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>92.46 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 12 12</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>87</b>
Drain. Area: <b>0338 1916-0339 1916</b>	Lining Method:
	Category:

Remark.: **None**

1:250	position	observation	MPEG	photo	grade
		Upstream Manhole, Survey Begins 1916-0339  Water Level, 5 % of cross sectional area  Water Mark, 10 % of cross sectional area  Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES			
			00:00:59	52, b	S 4
		Downstream Manhole, Survey Ends 1916-0339	00:03:53	54	

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



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## Inspection report

Date: <b>20081124</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2186</b>	PSR: <b>43450</b>
Total Pipe Length: <b>326</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11/24/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>WELLMAN ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0023</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1971-0088</b>
Location Code: <b>D Easement Right of Way</b>	Tape/Media #:	pipe length: <b>15 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>326</b>
Drain. Area: <b>0023 1971-0088 1971</b>	Lining Method:
	Category:

Remark: **MH'S REVERSED ON MAP**

1:50	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0088		14	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	2.15	Joint Offset Medium	00:00:38	15, b	S 1
	5.85	Water Level, 80' of cross sectional area	00:01:03	17	M 2
	9.20	Camera Underwater	00:01:18	18	M 4
	14.65	Water Level, 5' of cross sectional area	00:01:44	19	M 2
	14.65	Joint Offset Medium	00:01:47	20, b	S 1
	15.00	Survey Abandoned, Remark: OFFSET JOINT	00:04:09	22, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
1200	4124	2	12	14	1	2.4	2



## Inspection report

Date: <b>20081124</b>	P.O. #: <b>Y0TV0809B</b>	Weather: <b>1 Dry</b>	Surveyed By: <b>B.FUGATE</b>	section number: <b>2194</b>	PSR: <b>43450</b>
Total Pipe Length: <b>326</b>	Survey Customer: <b>LACDPW</b>	System Owner: <b>CMR</b>	Clean Date: <b>11/24/2008</b>	Pre-Cleaned: <b>J Jetting</b>	Map Grid #: <b>1971</b>

Street: <b>WELLMAN ST</b>	Flow Control: <b>N Not Controlled</b>	Start MH: <b>1971-0088</b>
City: <b>CMR</b>	Year Renewed:	End MH: <b>1971-0023</b>
Location Code: <b>C Light Highway</b>	Tape/Media #:	pipe length: <b>308.15 ft</b>

Reason for inspection: <b>F Routine Assessment</b>	Dia/Height: <b>C Circular 8 8</b>
Use of Sewer: <b>SS Sanitary</b>	Material: <b>VCP</b> Pipe Length: <b>326</b>
Drain. Area: <b>0088 1971-0023 1971</b>	Lining Method:
	Category:

Remark: **REVERSE INSPECTION**

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1971-0023		36	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	50.55	Joint Offset Medium	00:02:35	37, b	S 1
	182.15	Water Level, Sag in pipe, 40 % of cross sectional area	00:08:36	39, b	M 3
	307.95	Joint Offset Large	00:14:47	41, b	S 2
	308.15	Survey Abandoned, Remark: CAMERA BLKD OFFSET JOINT	00:15:10	43, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
2111	3122	3	7	10	1.5	2.33	2