



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **SM-1**

April 25, 2012

Ms. Chau Vu
Acting Director of Public Works
City of Bell Gardens
8327 South Garfield Avenue
Bell Gardens, California 90201

Attention Veronica Sanchez

Dear Ms. Vu:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT No. Y0TV0910C

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 111,378 feet or 53.4 percent of the City of Bell Gardens' 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)

Ms. Chau Vu
April 25, 2012
Page 2

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

Very truly yours,

GAIL FARBER
Director of Public Works



KEITH E. LEHTO
Assistant Deputy Director
Sewer Maintenance Division

 HK:sb
H:\SMHOME\GYoung\Memos.Letters\2350.DOC

Enc.

bc: Programs Development (Manning)
KL, MM, RS, FV, File (Project Y0TV0910C), SPINDLE

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

PROJECT NAME:	Y0TV0910C	PROJECT MGR:	Hanna Kebede
PROJECT DATE:	01/27/2011	CONTACT NO:	(626) 300-4686
SUP. DISTRICT(s):	1	MAP PAGE(S):	1864, 1917 & 1918
Report By:	Hanna Kebede	Report Date:	04/17/2012

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television (CCTV) inspection of 111,378 feet or 53.4 percent of the City of Bell Gardens' 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 Y0TV0910C included sewer lines located in the Unincorporated County of Los Angeles area and in the Cities of Bell Gardens, Industry, Diamond Bar, La Canada Flintridge, and Walnut. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

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

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

MAINTENANCE REPORT

Our inspection revealed that approximately 86.3 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 13.7 percent of the inspected pipe segments within the City of Bell Gardens 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

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	74,226	66.6	304
2: Minor to Moderate	21,976	19.7	86
3: Moderate	8,234	7.4	32
4: Significant	5,615	5.1	29
5: Most Significant	1,327	1.2	8
TOTAL	111,378	100.0	459

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 lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

High Water Levels

Our inspection revealed that approximately 99.97 percent of the system televised has adequate capacity. However, the remaining 0.03 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% 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% 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% 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 94.8 percent of the inspected pipe segments within the City of Bell Gardens were free of severe structural defects. However, the remaining 5.2 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 21 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 21 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Minor	78,408	70.4	332
2: Minor to Moderate	18,345	16.5	71
3: Moderate	8,779	7.9	35
4: Significant	1,032	0.9	4
5: Most Significant	4,814	4.3	17
TOTAL	111,378	100.0	459

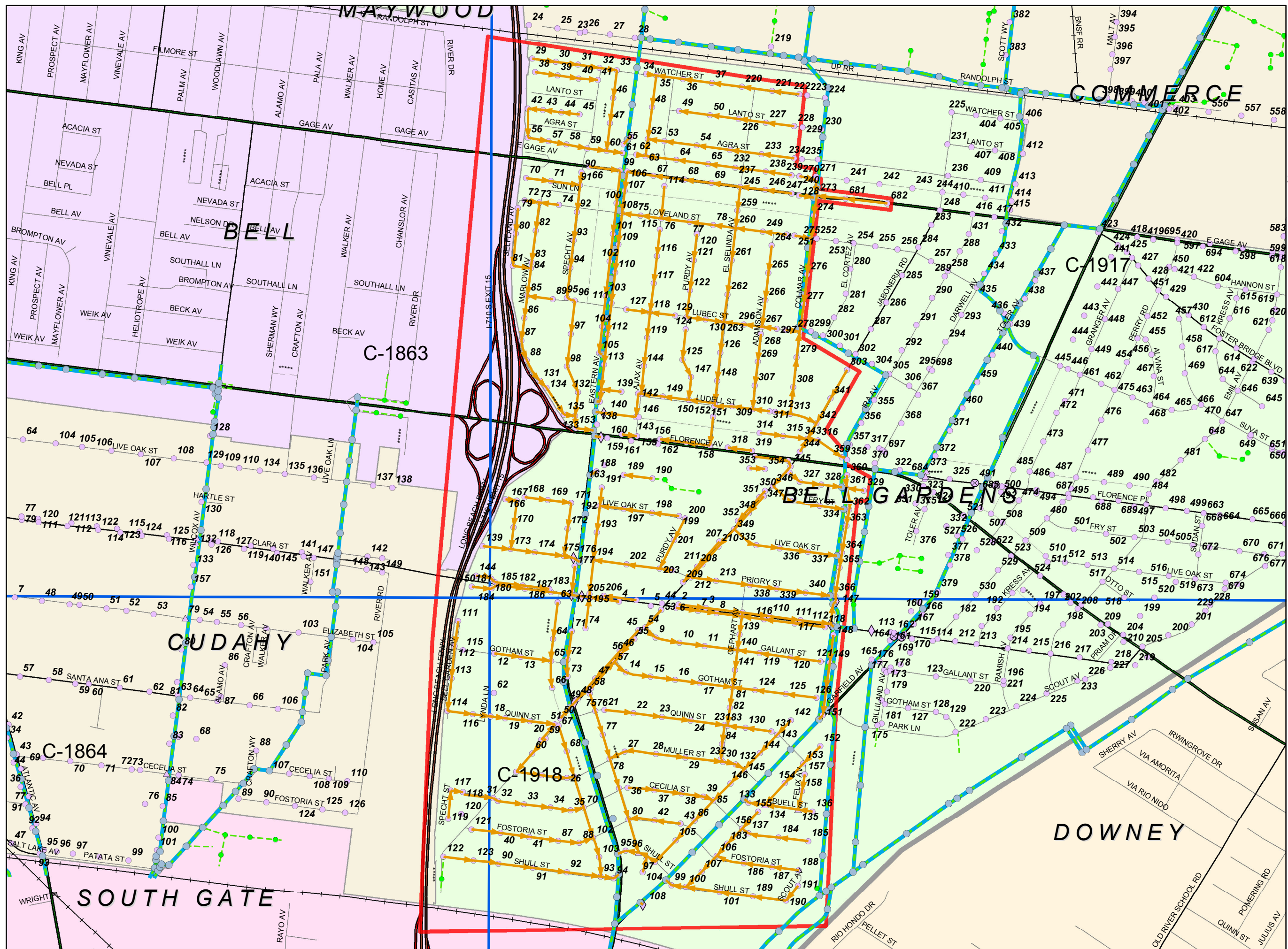
CONDITION ASSESSMENT PROJECTS

The Sewer Condition Assessment Program has performed the following closed-circuit television (CCTV) inspections within the City of Bell Gardens.

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2008-2009	Y0TV0809B	97,334	46.6	COMPLETED
2009-2010	Y0TV0910C	111,378	53.4	COMPLETED
TOTAL		208,712	100.0	

ENCLOSURE 1:

Project Overview Map

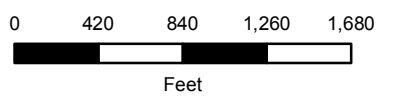


OVERVIEW

CCTV PROJECT

Y0TV0910C

**Supervisorial District 1
City of Bell Gardens**



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
- Y0TV0910C

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ENCLOSURE 2:

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

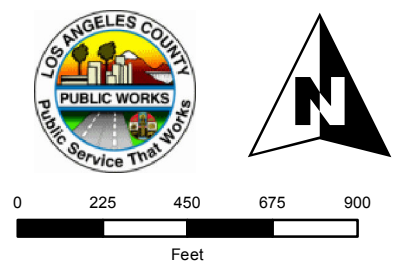
ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY BELL GARDENS (Y0TV0910C)
as of 01/27/2011

Item No.	QMR	Start MH	End MH	Street	Observation: Location	Corrective Action Taken (Date Completed)
1	5141	1918-0030	1918-0132	MULLER ST	High water level	Hydrojet (3/19/12)
2	5141	1918-0085	1918-0086	ALLEY	High water mark	No action needed.
3	5141	1917-0366	1918-0147	IRA AV	Deposits (attached grease); camera underwater	Hydrojet (4/11/12)
4	512G	1917-0136	1917-0139	EASEMENT	Obstacle (rocks): 198'	Hydrojet (3/19/12)
5	5123	1917-0192	1917-0191	EASEMENT	Deposits (attached encrustation): 187'	Hydrojet (3/19/12)
6	5121	1917-0354	1917-0353	EASEMENT	Deposits (attached encrustation): 158'	Hydrojet (3/19/12)
7	5111	1917-0179	1917-TRNK	CLARA ST	Obstacle: 29'	Hydrojet (4/11/12)
8	5111	1917-0035	1917-0034	WATCHER ST	Obstacle: 116'	Hydrojet (3/19/12)
10	4F12	1917-0142	1917-0143	AJAX AV	High water level (sag): 60'-190'	Hydrojet (3/19/12)
11	453D	1918-0100	1918-0099	SHULL ST	High water level (sag); camera underwater	Hydrojet (3/19/12)
12	412A	1918-0084	1918-0232	GEPHART AV	High water mark (55% - 60%)	No action needed.
13	4131	1918-0081	1918-0082	GEPHART	High water mark (50%)	No action needed.
14	4131	1918-0057	1918-0058	JABONERIA RD	Deposits: 286'	Hydrojet (12/8/11)
15	4131	1918-0039	1918-0085	CECILIA ST	Alignment down	No action needed.
16	4131	1918-0097	1918-0096	SHULL ST	Deposits (attached grease)	Hydrojet (12/8/11)
17	4126	1917-0366	1917-0365	IRA AV	High water level (sag): 50'-80'	Hydrojet (12/8/11)
18	4124	1918-0098	1918-0097	SHULL ST	Deposits (attached grease)	Hydrojet (12/8/11)
19	4123	1918-0080	1918-0096	ALLEY	Alignment down	No action needed.
20	4121	1918-0004	1917-0196	CLARA ST	High water level (sag); camera underwater : 140'-162'	Hydrojet (2/2/12)
21	4121	1917-0133	1917-0153	PARKING LOT	Alignment right	No action needed.
22	4121	1917-0037	1917-0036	WATCHER ST	Root ball at lateral: 103'	Lateral notice will be sent to property owner.
23	4121	1918-0104	1918-0097	ALLEY	Alignment down	No action needed.
24	4114	1918-0158	1918-0135	FELIX AV	Alignment down	No action needed.
25	4112	1917-0134	1917-0131	PARKING LOT	Alignment left	No action needed.
26	4112	1917-0052	1917-0051	EASEMENT	Roots at lateral	Lateral notice will be sent to property owner.
27	4112	1918-0154	1918-0134	ALLEY	Alignment down	No action needed
28	4112	1918-0038	1918-0039	CECILIA ST	Root ball at lateral: 178'	Lateral notice will be sent to property owner.
29	4111	1864-0118	1918-0031	CECELIA ST	High water level (sag); camera underwater: 166'-270'	Hydrojet (2/2/12)
30	4111	1918-0050	1918-TRNK	JABONERIA RD	High water level (sag); camera underwater	Hydrojet (2/2/13)
31	4111	1917-0131	1917-0134	PARKING LOT	Alignment right	No action needed.
32	4111	1917-0153	1917-0133	PARKING LOT	Alignment left	No action needed.
33	4111	1918-0132	1918-0145	MULLER ST	High water mark	No action needed.
34	4111	1917-0061	1917-0055	EASTERN AV	High water mark	No action needed.
35	4100	1918-0082	1918-0083	GEPHART	High water mark	No action needed.
36	4100	1918-0144	1918-0145	ALLEY	Alignment down	No action needed.
37	4100	1918-0146	1918-0085	ALLEY	High water mark	No action needed.
38	4100	1918-0095A	1918-TRNK	SHULL ST	Camera underwater	Hydrojet (12/8/11)
39	3K00	1917-0263	1917-0126	EL SELINDA AV	Water level (sag): 40%	Hydrojet (2/3/12)
40	3J13	1917-0126	1917-0148	EL SELINDA AV	Water level (sag): 40%	Hydrojet (2/3/12)

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY BELL GARDENS (Y0TV0910C)
as of 01/27/2011

Item No.	QMR	Start MH	End MH	Street	Observation: Location	Corrective Action Taken (Date Completed)
41	3I13	1917-0279	1917-0308	COLMAR AV	Water Level (sag): 45%	Hydrojet (2/3/12)
42	3E2B	1917-0277	1917-0278	COLMAR AV	Water Level (sag): 50%	Hydrojet (2/3/12)
43	3D2G	1917-0148	1917-0151	EL SELINDA AV	Water Level (sag): 40%-50%	Hydrojet (2/3/12)
44	3C24	1917-0316	1917-0359	PARKING LOT	Water Level (sag): 45%	Hydrojet (2/2/12)
45	3C11	1917-0149	1917-0145	LUDELL ST	Water Level (sag): 45%	Hydrojet (2/2/12)
46	3B2B	1917-0313	1917-0342	LUDELL ST	Water Level (sag): 30%-65%	Hydrojet (2/2/12)
47	3A25	1917-0276	1917-0277	COLMAR AV	Water Level (sag): 30%-45%	Hydrojet (2/3/12)
48	3A21	1917-0308	1917-0313	COLMAR AV	Water Level (sag): 30%-40%	Hydrojet (2/3/12)
49	3927	1917-0151	1917-0150	LUDELL ST	Water Level (sag): 30%-45%	Hydrojet (2/3/12)
50	3911	1917-0150	1917-0149	LUDELL ST	Water Level (sag): 35%	Hydrojet (2/3/12)
51	3911	1917-0319	1917-0318	FLORENCE AV	Roots at lateral: 37'	Lateral notice will be sent to property owner.
52	3511	1917-0272	1917-0273	COLMAR AV	Water Level (sag) 35%: 123'-144'	No action needed.
53	3426	1917-0144	1917-0145	AJAX AV	Water Level (sag): 35%	No action needed.
54	3312	1918-0119	1918-0140	GALLANT ST	Roots Medium Lateral : 150'	Lateral notice will be sent to property owner.
55	3312	1917-0343	1917-0316	EASEMENT	Water Level Sag, 35% : 55'- 65'	No action needed.
56	3311	1917-0273	1917-0274	COLMAR AV	Water Level Sag, 35% : 85'- 97'	No action needed.
57	3125	1918-0056	1918-0057	JABONERIA RD	Roots at lateral: 39'	Lateral notice will be sent to property owner.
58	3124	1918-0105	1918-0098	ALLEY	Deposits (attached grease)	Hydrojet (12/8/11)
59	3122	1917-0109	1917-0110	EASTERN AV	Obstacle in lateral: 178'	Lateral notice will be sent to property owner.
60	3121	1918-0052	1918-0051	JABONERIA RD	Deposits (attached encrustation): 0'	Hydrojet (12/8/11)
61	3121	1917-0166	1917-0167	LIVE OAK ST	Deposits (attached encrustation): 95'	Hydrojet (3/19/12)
62	3113	1917-0092	1917-0093	SPECHT AV	Tap Break-in (defective): 106'	No action needed.
63	3112	1918-0149	1918-0150	IRA AV	Tap Break-in (intruding) at MH 150	No action needed.
64	3112	1917-0156	1917-0155	FLORENCE AV	Tap Break-in (defective): 34'	No action needed.
65	3111	1917-0191	1917-0192	EASEMENT	Deposits (attached encrustation) :1'	Hydrojet (3/19/12)
66	3111	1918-0005	1918-0004	CLARA ST	Deposits Attached Encrustation : 0'	Hydrojet (12/8/11)
67	3111	1918-0156	1918-0183	ALLEY	Roots at lateral: 218'	Lateral notice will be sent to property owner.
68	3111	1917-0265	1917-0266	ADAMSON AV	Roots at lateral: 133'	Lateral notice will be sent to property owner.
69	3100	1918-0095	1918-0095A	SHULL ST	Water Level (sag); deposits (attached grease)	Hydrojet (3/19/12)
70	3100	1917-0122	1917-0123	PURDY AV	Tap Break-in (intruding): 177'	No action needed.

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

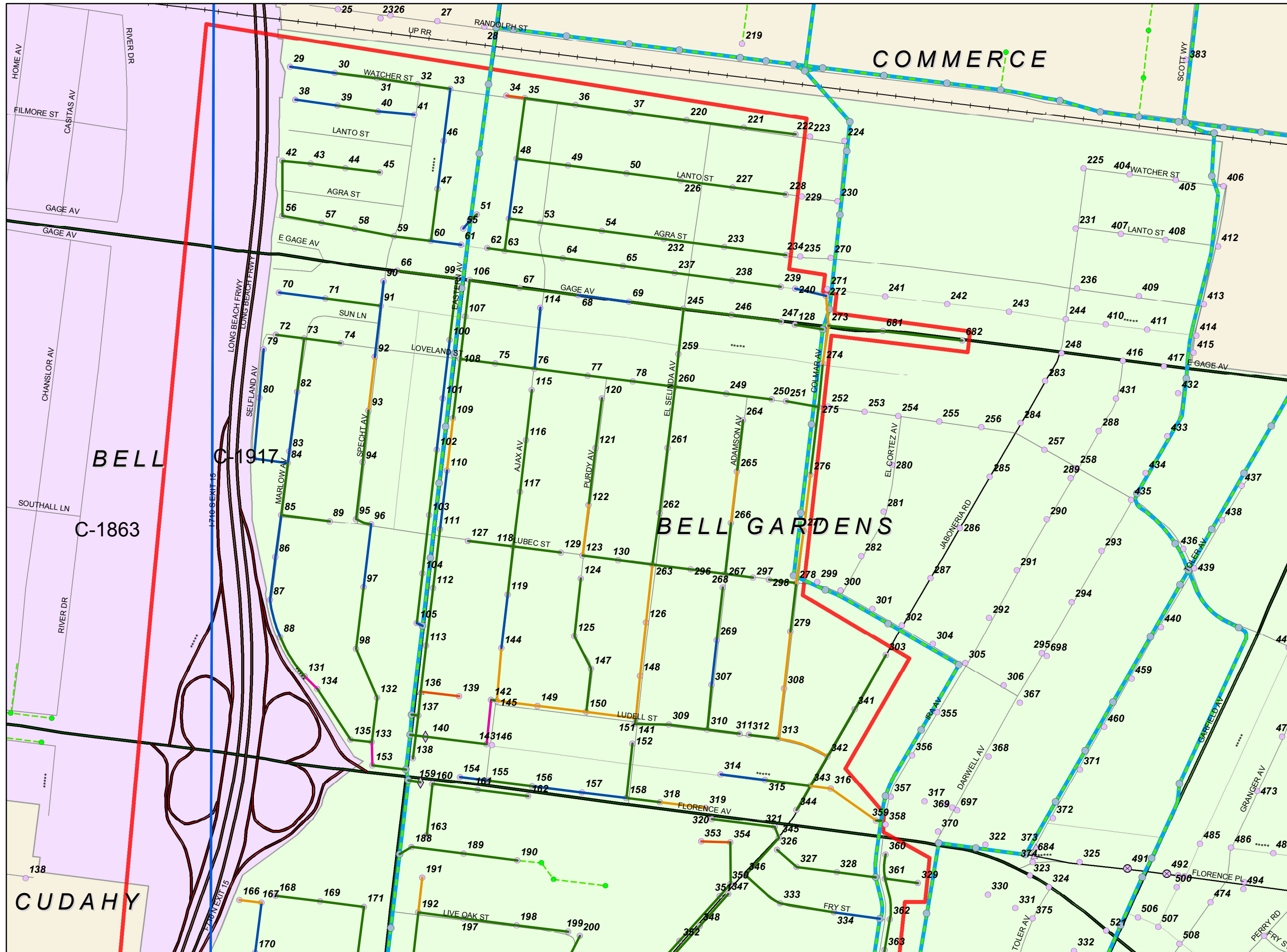
SMD Manholes

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

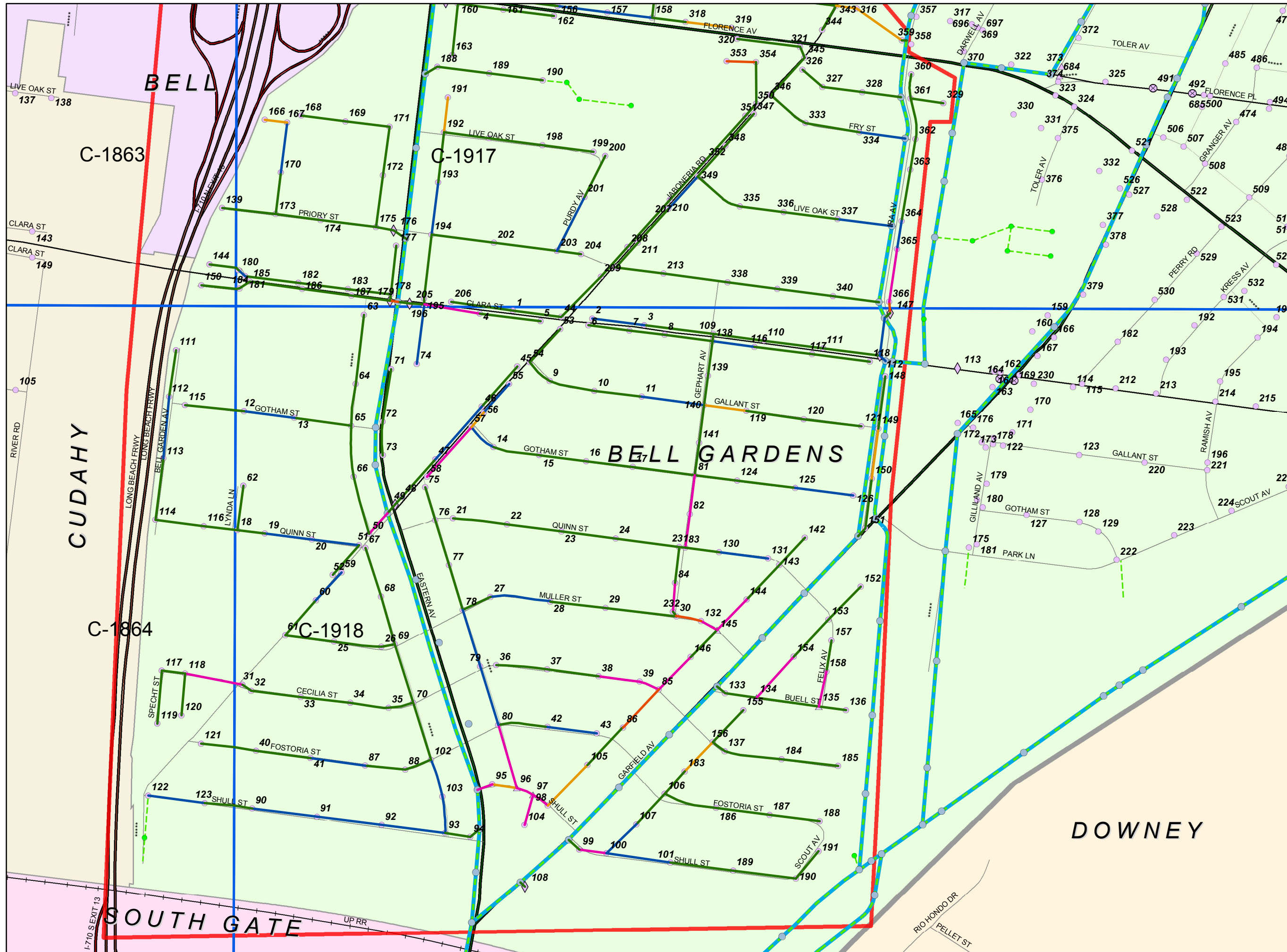
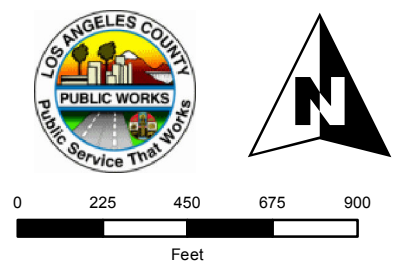
Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910C

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QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

Maintained by Others:

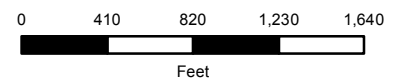
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ENCLOSURE 2
HIGH WATER LEVELS
CITY OF OF BELL GARDENS (YOTV0910C)
as of 01/27/2011

Item No.	QMR	Start MH	End MH	Street	Observation: Location	Capacity
1	5141	1918-0030	1918-0132	MULLER ST	Water Level; Water Mark	40% - 50%; 60 %
2	5141	1918-0085	1918-0086	ALLEY	Water Mark	55% - 90%
3	4F12	1917-0142	1917-0143	AJAX AV	Water Level (sag): 60' - 190'	55%
4	453D	1918-0100	1918-0099	SHULL ST	Camera Underwater (adjacent to trunkline)	100%
5	412A	1918-0084	1918-0232	GEPHART AV	Water Mark	55% - 60%
6	4131	1918-0081	1918-0082	GEPHART	Water Mark	50%
7	4121	1918-0004	1917-0196	CLARA ST	Camera Underwater (adjacent to trunkline): 140' - 162'	100%
8	4112	1917-0052	1917-0051	EASEMENT	Camera Underwater (adjacent to trunkline): 116' - 175'	100%
9	4111	1864-0118	1918-0031	CECELIA ST	Camera Underwater: 166' - 270'	100%
10	4111	1918-0132	1918-0145	MULLER ST	Water Mark	65%
11	4111	1917-0061	1917-0055	EASTERN AV	Water Mark	55%
12	4100	1918-0082	1918-0083	GEPHART	Water Mark	50%
13	4100	1918-0146	1918-0085	ALLEY	Water Mark	65%
14	4100	1918-0095A	1918-TRNK	SHULL ST	Camera Underwater (adjacent to trunkline)	100%
15	3E2B	1917-0277	1917-0278	COLMAR AV	Water Level Sag (adjacent to trunkline)	45% - 50%
16	3D2G	1917-0148	1917-0151	EL SELINDA AV	Water Level Sag	45% - 50%
17	3B2B	1917-0313	1917-0342	LUDELL ST	Water Level Sag	30% - 65%
18	3100	1918-0095	1918-0095A	SHULL ST	Water Level Sag (adjacent to trunkline)	60%

HIGH WATER
LEVEL



Legend

— HIGH WATER LEVELS

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◇ Trap

⊗ Siphon

Ⓟ SMD Pump Stations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

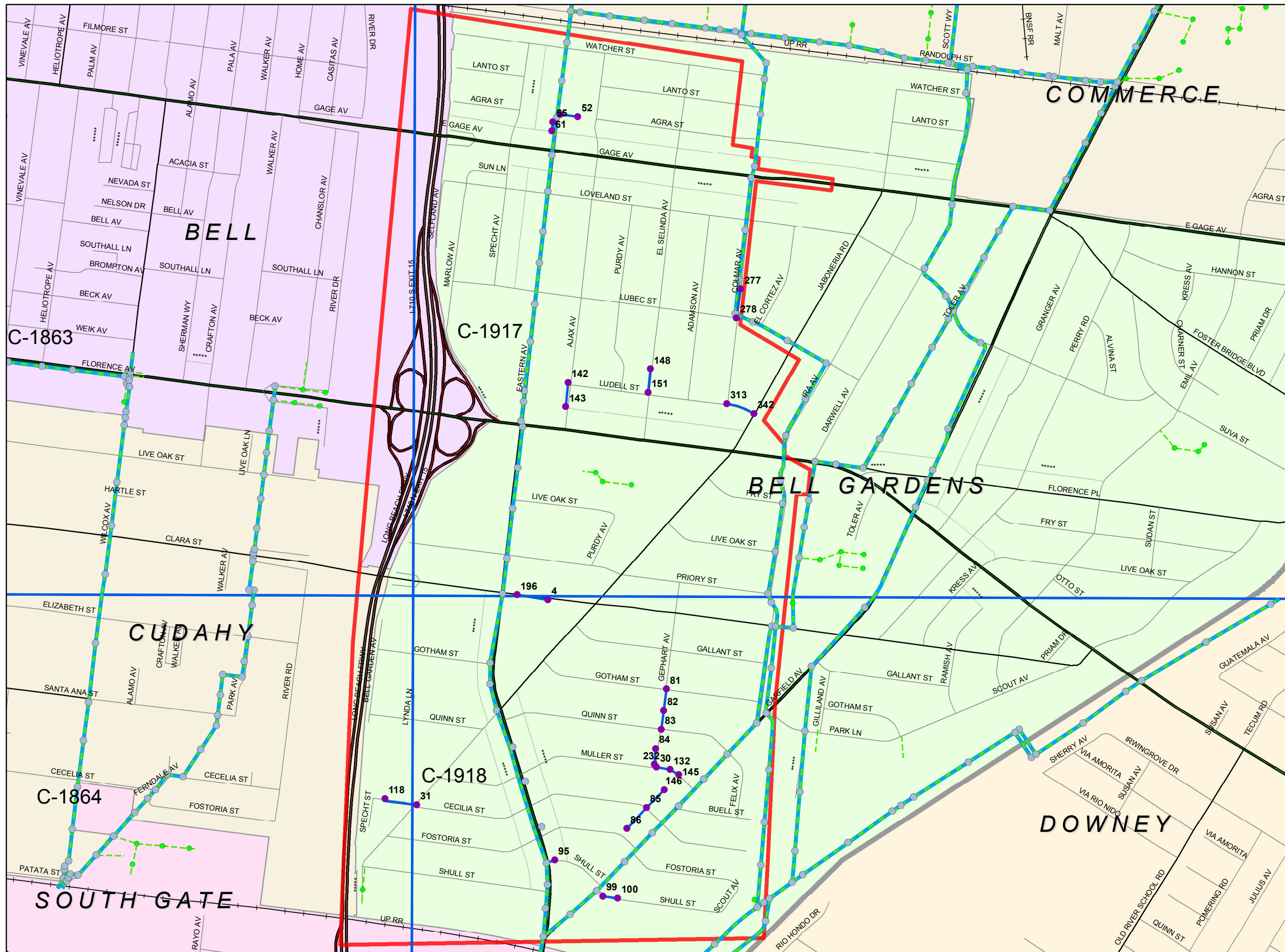
- - - Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

▭ YOTV0910C

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GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

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

{date}

IN REPLY PLEASE

REFER TO FILE:

SM-1

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 courtesy notice informing you that the sewer lateral serving the property located at XXXX, requires maintenance per **County Code 20.24.080 Maintenance of Sewer Laterals.**

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

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

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

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at 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 E. LEHTO
Assistant Deputy Director
Sewer Maintenance Division

XX:

Enc.

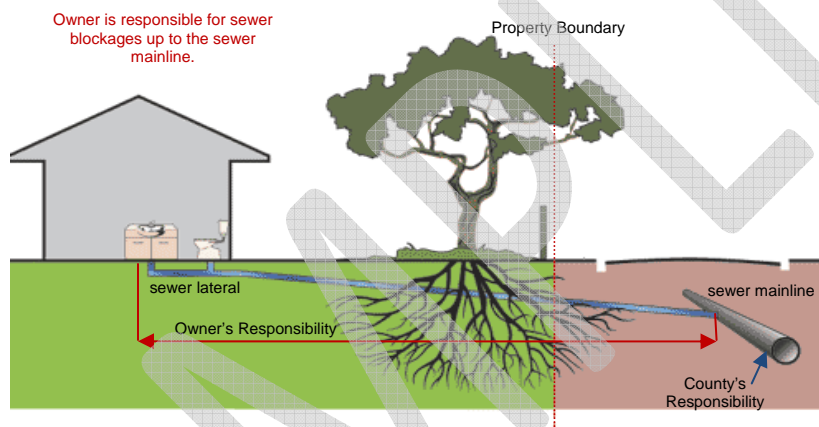
XXXX
Roots at Lateral Connection



Minimizing Sewer Overflows and Damage to Your Home

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

SEWER LATERALS – AREAS OF RESPONSIBILITY



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

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

The three methods we suggest are:

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

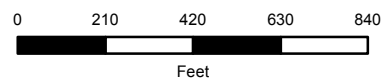
ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF BELL GARDENS (Y0TV0910C)
as of 01/27/2011

NO	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5342	1864-0123	1864-0122	SHULL ST	Hole: 12'; broken: 28'; fractures: 176'-179'	Lining: MH to MH	345
2	5322	1918-0068	1918-0069	ALLEY	Broken, hole, fractures: 42'-46'	Point Repair	
3	5221	1917-0131	1917-0134	PARKING LOT	Hole with visible soil: 4'	Structural integrity in tact. Concrete encasement. No action needed.	
4	5142	1918-0092	1918-0093	SHULL ST	Broken, fractures: 248'-251'	Lining: MH to MH	251
5	5141	1918-0090	1918-0091	SHULL ST	Broken, fractures: 151', 268'; cracks	Lining: MH to MH	345
6	5131	1917-0314	1917-0315	ALLEY	Broken with visible soil :110'	Point Repair	
7	5125	1918-0091	1918-0092	SHULL ST	Hole (inside lateral connection): 220'	Lining: MH to MH	366
8	5123	1918-0069	1918-0070	ALLEY	Broken/fractures: 142'; fracture: 282'	Lining: MH to MH	335
9	5123	1918-0041	1918-0087	FOSTORIA ST	Broken/fractures: 107'; cracks: 76', 127', 203'	Lining: MH to MH	295
10	5122	1917-0209	1918-0044	JABONERIA RD	Hole with visible soil :213'	Structural integrity in tact. No action needed.	
11	5122	1918-0069	1918-0068	ALLEY	Broken/hole with soil visible: 237'	Point Repair; Lining: MH to MH	286
12	5121	1917-0081	1917-0080	EASEMENT	Hole with visible soil in lateral: 110'	Structural integrity in tact. No action needed.	
13	5121	1918-0046	1918-0047	JABONERIA RD	Hole: 35'; fractures: multiple locations	Lining: MH to MH	393
14	5111	1918-0049	1918-TRNK	JABONERIA RD	Hole with visible soil: 18'	Lining: MH to MH	21
15	5100	1917-0189	1917-0188	FRY ST	Hole with soil visible/ intruding tap: 93'	CMD crew will trim intruding tap.	
16	5100	1918-0144	1918-0145	ALLEY	Broken Soil Visible :255'	Structural integrity in tact. No action needed.	
17	5100	1917-0192	1917-0191	EASEMENT	Hole Soil Visible: 112' (lateral)	Structural integrity in tact. No action needed.	
18	4131	1917-0148	1917-0151	EL SELINDA AV	Fractures: 64'	Structural integrity in tact. No action needed.	
19	4111	1917-0265	1917-0266	ADAMSON AV	Fracture: 3'	Structural integrity in tact. No action needed.	
20	4100	1917-0115	1917-0116	AJAX AV	Fracture: 3'	Structural integrity in tact. No action needed.	
21	4100	1917-0296	1917-0263	LUBEC ST	Fractures: 191'	Structural integrity in tact. No action needed.	

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

QSR

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

SMD Manholes

Other

Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon

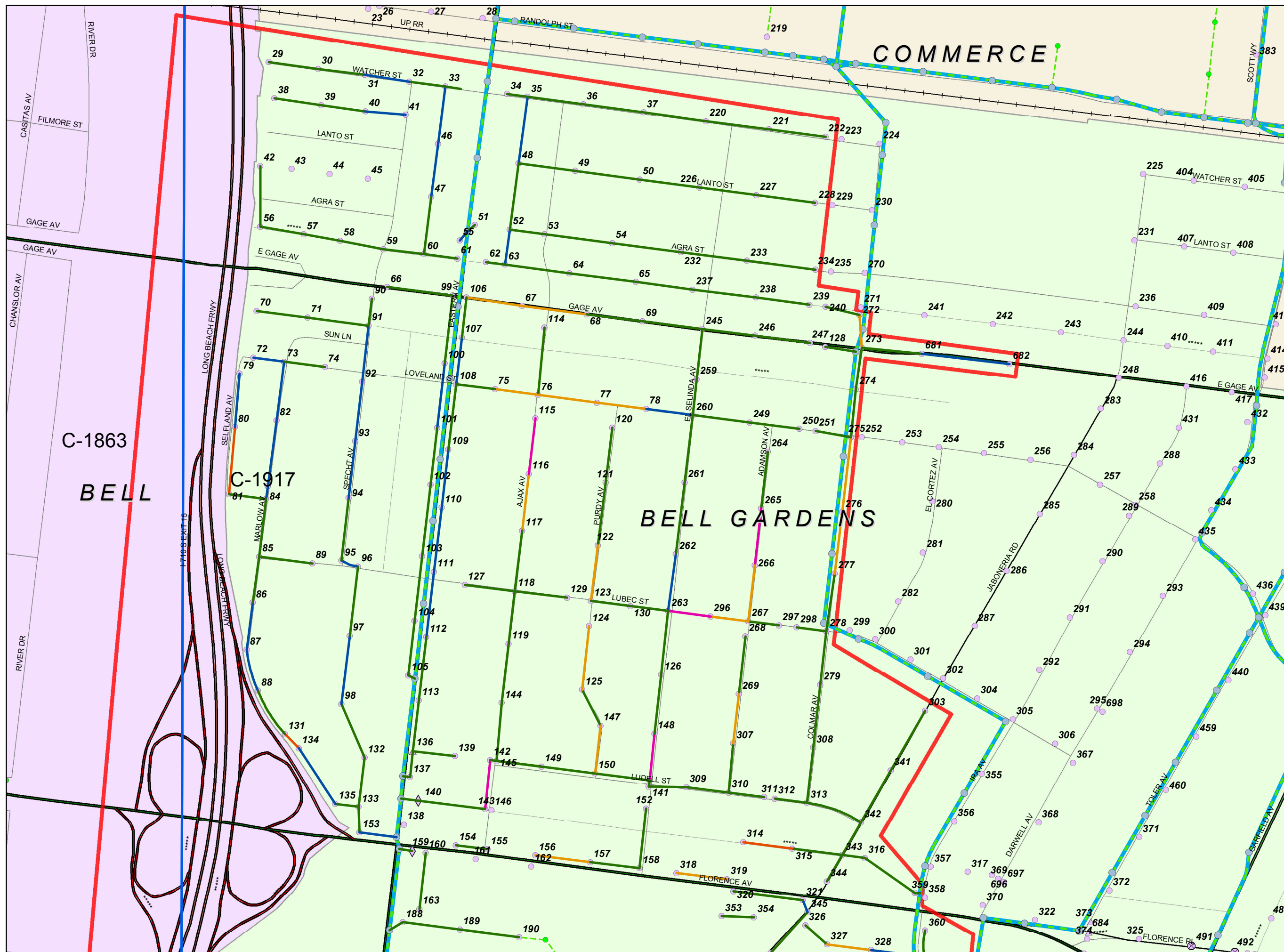
SMD Pump Stations

SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910C

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C-1863
BELL

C-1917

BELL GARDENS

COMMERCE

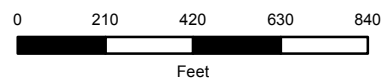
ENCLOSURE 3

CCTV PROJECT

Y0TV0910C

Supervisory District 1
City of Bell Gardens

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

Other

Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon

SMD Pump Stations

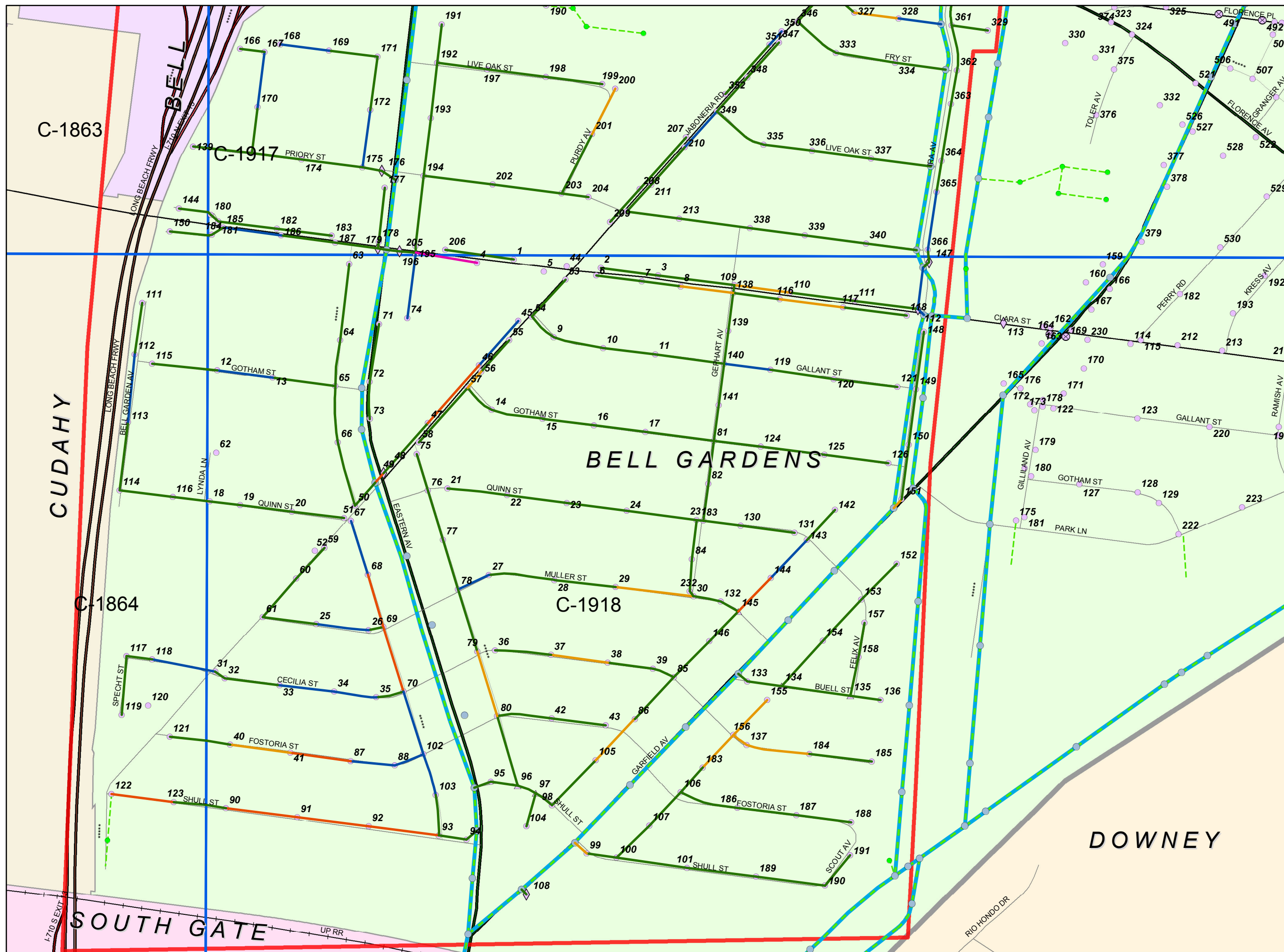
SMD Treatment Plants

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0910C

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FEBRUARY 2012



C-1863

C-1917

C-1918

C-1864

BELL GARDENS

DOWNEY

SOUTH GATE

CUDAHY

BELL

RIO HONDO DR

UP RR

I-710 S EXIT

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20100820	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo alvarez	section number: 975	PSR: 45599
Total Pipe Length: 284.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/18/2010	Pre-Cleaned: Jetting	Map Grid #: 1917

Street: AJAX AV	Flow Control: Not Controlled	Start MH: 1917-0115
City: BGD	Year Renewed	End MH: 1917-0116
Location Code: Light Highway	Tape/Media #: R311-012	pipe length: 246.2 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0115/1917-0116/1917	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0115	00:00:37	212	
	3.50	Fracture Multiple, from 12 to 5 o'clock, within 8 inch: NO	00:01:44	213, b	S 4
	5.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:49	215	
	12.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:28	216	
	22.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:00	217	
	25.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:26	218	
	73.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:54	219	
	84.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:33	220	
	126.40	Vermin Cockroach, within 8 inch: NO	00:07:55	221, b	M 1
	126.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:11	223	
	162.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:26	224	
	170.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:05	225	
	194.60	Vermin Cockroach, within 8 inch: NO	00:11:03	226, b	M 1
	194.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:11:24	228	
	209.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:08	229	
	214.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:12:38	230	
	239.20	Vermin Cockroach, within 8 inch: NO	00:13:46	231, b	M 1
	239.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:14:05	233	
	246.20	Vermin Cockroach, within 8 inch: NO	00:14:53	234, b	M 1
	246.20	Manhole, within 8 inch: NO, Remarks: 1917-0116	00:15:09	236	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	1400	4	4	8	4	1	1.6



Inspection report

Date: 20100819	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo alvarez	section number: 957	PSR: 45397
Total Pipe Length: 217.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/17/2010	Pre-Cleaned: Jetting	Map Grid #: 1917

Street: LUBEC ST	Flow Control: Not Controlled	Start MH: 1917-0296
City: BGD	Year Renewed:	End MH: 1917-0263
Location Code: Light Highway	Tape/Media #: R311-011	pipe length: 209.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0263/1917-0296/1917	Lining Method:
	Category:

Remark::

1:475	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0296	00:00:40	1	
	15.60	Water Level, 10 %, within 8 inch: NO	00:01:31	2	
	18.70	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:02:01	3	
	44.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:56	4	
	71.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:59	5	
	80.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:34	6	
	113.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:05:50	7	
	191.10	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:09:00	8, b	S 4
	209.50	Vermin Cockroach, within 8 inch: NO	00:10:25	10, b	M 1
	209.50	Manhole, within 8 inch: NO, Remarks: 1917-0263	00:10:41	12	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	1100	4	1	5	4	1	2.5



Inspection report

Date: 20100818	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 478	PSR: 45399
Total Pipe Length: 292.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/16/2010	Pre-Cleaned: Jetting	Map Grid #: 1917

Street: ADAMSON AV	Flow Control: Not Controlled	Start MH: 1917-0265
City: BGD	Year Renewed	End MH: 1917-0266
Location Code: Light Highway	Tape/Media #: R010	pipe length: 290.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0265/1917-0266/1917	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0265	00:00:28	2343	
	<u>3.00</u>	Fracture Multiple, from 11 to 3 o'clock, within 8 inch: YES	00:01:36	2344, b	S 4
	4.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:20	2346	
	7.70	Water Level, 10 %, within 8 inch: NO	00:02:54	2347	
	10.80	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:19	2348	
	41.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:13	2349	
	55.90	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:58	2350	
	87.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:00	2351	
	95.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:34	2352	
	133.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:46	2353	
	<u>133.00</u>	Roots Medium Lateral, at 9 o'clock, 25 %, within 8 inch: NO	00:08:13	2354, b	M 3
	159.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:17	2356	
	162.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:40	2357	
	183.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:30	2358	
	235.40	Crack Circumferential, from 3 to 5 o'clock, within 8 inch: YES	00:12:07	2359, b	S 1
	236.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:37	2361	
	<u>236.40</u>	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:12:59	2362, b	M 1
	238.70	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:13:32	2364	
	276.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:14:47	2365	
	290.30	Manhole, within 8 inch: NO, Remarks: 1917-0266	00:15:45	2366	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	3111	5	4	9	2.5	2	2.25



Inspection report

Date: 20100825	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 487	PSR: 45517
Total Pipe Length: 239.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/20/2010	Pre-Cleaned: Jetting	Map Grid #: 1917

Street: EL SELINDA AV	Flow Control: Not Controlled	Start MH: 1917-0148
City: BGD	Year Renewed	End MH: 1917-0151
Location Code: Light Highway	Tape/Media #: R311-013	pipe length: 291.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0148/1917-0151/1917	Lining Method:
	Category:

Remark::

1:650	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0148	00:00:28	2497	
	11.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:01:26	2498	
	19.40 S1	Water Level Sag, 40 %, within 8 inch: NO, Start	00:02:04	2499, b	M 3
	46.50	General Observation, within 8 inch: NO, Remarks: Pipe joint Length 3'	00:03:21	2501	
	64.90	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES	00:04:31	2502, b	S 4
	66.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:07	2504	
	68.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:05:33	2505	
	83.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:06:21	2506	
	89.70	Water Level, 60 %, within 8 inch: NO	00:06:56	2507	
	116.30	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:03	2508	
	118.00 F1	Water Level Sag, 40 %, within 8 inch: NO, End	00:08:22	2509, b	M 3
	118.00	Water Level, 10 %, within 8 inch: NO	00:08:40	2511	
	129.90	Crack Multiple, from 7 to 12 o'clock, within 8 inch: YES	00:09:38	2512, b	S 3
	143.80 S2	Water Level Sag, 30 %, within 8 inch: NO, Start	00:10:36	2514, b	M 2
	153.70	Water Level, 50 %, within 8 inch: NO	00:11:16	2516	
	174.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:12:13	2517	
	213.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:13:49	2518	
	214.20	Tap Break-in Active, at 10 o'clock, 6", within 8 inch: NO	00:14:16	2519	
	288.70 F2	Water Level Sag, 30 %, within 8 inch: NO, End	00:17:00	2520, b	M 2
	288.70	Water Level, 10 %, within 8 inch: NO	00:17:17	2522	
	291.10	Manhole, within 8 inch: NO, Remarks: 1917-0151	00:17:38	2523	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	3D2G	7	147	154	3.5	2.41	2.44



Inspection report

Date: 20100809	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 409	PSR: 44797
Total Pipe Length: 238.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/05/2010	Pre-Cleaned: Jetting	Map Grid #: 1918

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1918-0144
City: BGD	Year Renewed	End MH: 1918-0145
Location Code: Alley	Tape/Media #: R005	pipe length: 261 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0144/1918-0145/1918	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0144	00:00:27	1221	
	6.80	Water Level, 5 %, within 8 inch: NO	00:01:04	1222	
	10.20	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:01:28	1223	
	17.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:53	1224	
	43.70	Water Mark, 30 %, within 8 inch: NO	00:02:45	1225	
	53.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:03:14	1226	
	65.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:03:50	1227	
	89.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:41	1228	
	128.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:50	1229	
	139.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:26	1230	
	197.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:07:59	1231	
	255.30	Broken Soil Visible, at 12 o'clock, within 8 inch: NO	00:09:51	1232, b	S 5
	259.60	Alignment Down, 90 %, within 8 inch: NO, Remarks: Drop Pipe	00:10:48	1234	M 4
261.00	Manhole, within 8 inch: NO, Remarks: 1918-0145	00:11:16	1235		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	4100	5	4	9	5	4	4.5



Inspection report

Date: 20100816	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 58	PSR: 45559
Total Pipe Length: 197.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/13/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1917-0192
City: BGD	Year Renewed	End MH: 1917-0191
Location Code: Light Highway	Tape/Media #: M317-005	pipe length: 187.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0191/1917-0192/1917	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
1917					
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0192	00:00:18	1467	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:23	1468	M 1
	6.00	Water Level, 20 %, within 8 inch: NO	00:03:28	1469	
	31.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:47	1470	
	54.00	Water Level, 10 %, within 8 inch: NO	00:05:36	1471	
	61.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:56	1472	
	88.00	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:06:54	1473	
	91.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:7:10	1474	
	112.30	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:07:59	1475	M 2
	112.30	Hole Soil Visible, from 10 to 2 o'clock, within 8 inch: NO, Remarks: IN LATERAL	00:08:25	1476	S 5
	133.20	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:09:32	1477	
	160.00	Deposits Attached Grease, from 7 to 9 o'clock, 10 %, within 8 inch: NO	00:10:37	1478, b	M 2
	162.10	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:56	1480	
	167.60	Deposits Attached Grease, from 4 to 8 o'clock, 5 %, within 8 inch: NO	00:11:17	1481, b	M 2
	184.60	Tap Break-in, at 3 o'clock, 6", within 8 inch: NO	00:12:14	1483	
	185.50	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:12:27	1484	
	187.90	Deposits Attached Encrustation, from 3 to 9 o'clock, 50 %, within 8 inch: NO	00:12:59	1485, b	M 5
	187.90	Abandoned Survey, within 8 inch: NO, Remarks: INSPECTION COMPLETE WITH	00:13:25	1487	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	5123	5	12	17	5	2.4	2.83



Inspection report

Date: 20100816	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 54	PSR: 45556
Total Pipe Length: 294.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/13/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: FRY ST	Flow Control: Not Controlled	Start MH: 1917-0189
City: BGD	Year Renewed:	End MH: 1917-0188
Location Code: Light Highway	Tape/Media #: M317-005	pipe length: 94 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0189/1917-0188/1917	Lining Method:
	Category:

Remark::

1:225	position	observation	MPEG	photo	grade
1917					
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0189	00:00:21	1438	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:28	1439	M 1
	3.60	Water Level, 5 %, within 8 inch: NO	00:00:44	1440	
	44.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:38	1441	
	47.10	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:02:56	1442	
	70.90	Tap Break-in, at 9 o'clock, 6", within 8 inch: NO	00:04:21	1443	
	92.40	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:05:46	1444	
	92.40	Tap Break-in Intruding, at 9 o'clock, 6", 1, within 8 inch: NO	00:06:20	1445	M 2
	93.10	Hole Void Visible, from 10 to 2 o'clock, within 8 inch: NO	00:06:46	1446, b	S 5
	94.00	Abandoned Survey, within 8 inch: NO, Remarks: unable to pass break in i	00:07:57	1448	

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



Inspection report

Date: 20100910	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 208	PSR: 45686
Total Pipe Length: 343.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 09/05/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: EASEMENT	Flow Control: Not Controlled	Start MH: 1917-0081
City: BGD	Year Renewed	End MH: 1917-0080
Location Code: Light Highway	Tape/Media #: M317-018	pipe length: 301.4 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0080/1917-0081/1917	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
1917					
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0081	00:00:20	4029	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:25	4030	M 1
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:01	4031	
	14.80	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:05:56	4032	
	50.10	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:07:03	4033	
	52.50	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:07:17	4034	
	101.10	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:08:42	4035	
	110.00	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:09:06	4036	
	110.00	Tap Factory Defective, at 10 o'clock, 4", within 8 inch: NO	00:09:16	4037	M 2
	110.00	Hole Soil Visible, from 8 to 3 o'clock, within 8 inch: NO, Remarks: IN LATERAL	00:09:37	4038	S 5
	138.40	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:10:37	4039	
	140.80	Tap Factory Capped, at 10 o'clock, 4", within 8 inch: NO	00:10:49	4040	
	189.30	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:12:18	4041	
	189.30	Roots Fine Lateral, at 10 o'clock, within 8 inch: NO	00:12:28	4042	M 1
	191.60	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:12:40	4043	
	267.70	Tap Factory Active, at 10 o'clock, 4", within 8 inch: NO	00:15:00	4044	
	267.70	Tap Factory Defective, at 10 o'clock, 4", within 8 inch: NO	00:15:13	4045	M 2
	267.70	Joint Offset Medium, within 8 inch: YES, Remarks: IN LATERAL	00:15:27	4046	S 1
	267.70	Roots Fine Lateral, at 10 o'clock, within 8 inch: NO	00:15:37	4047	M 1
	279.40	Tap Factory Capped, at 2 o'clock, 4", within 8 inch: NO	00:16:10	4048	
	284.20	Water Level, 20 %, within 8 inch: NO	00:16:25	4049	
	286.90	Fracture Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:16:50	4050, b	S 2
	301.40	Vermin Cockroach, within 8 inch: NO	00:17:37	4052	M 1
	301.40	Manhole, within 8 inch: NO, Remarks: 1917-0080	00:17:46	4053	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2214	8	8	16	2.67	1.33	1.78



Inspection report

Date: 20100816	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 60	PSR: 44925
Total Pipe Length: 393.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/13/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: JABONERIA RD	Flow Control: Not Controlled	Start MH: 1918-0046
City: BGD	Year Renewed	End MH: 1918-0047
Location Code: Light Highway	Tape/Media #: M317-005	pipe length: 319.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0046/1918-0047/1918	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0046	00:00:20	1503	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:25	1504	M 1
	6.00	Water Level, 10 %, within 8 inch: NO	00:00:58	1505	
	10.50	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:01:54	1506, b	S 1
	35.40	Hole Soil Visible, from 1 to 2 o'clock, within 8 inch: NO	00:03:14	1508, b	S 5
	85.70	Crack Circumferential, from 8 to 11 o'clock, within 8 inch: YES	00:05:20	1510, b	S 1
	88.00	Water Level, 10 %, within 8 inch: NO	00:05:42	1512	
	94.70	Crack Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:06:15	1513, b	S 1
	96.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:44	1515	
	116.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:37	1516	
	172.20	Crack Circumferential, from 8 to 1 o'clock, within 8 inch: YES	00:09:35	1517, b	S 1
	200.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:58	1519	
	220.00	Crack Circumferential, from 6 to 6 o'clock, within 8 inch: NO	00:12:03	1520, b	S 1
	226.00	Crack Circumferential, from 7 to 12 o'clock, within 8 inch: YES	00:13:00	1522, b	S 1
	229.10	Crack Circumferential, from 9 to 1 o'clock, within 8 inch: YES	00:13:45	1524, b	S 1
	245.40	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:14:55	1526	M 2
	245.40	Joint Offset Large, within 8 inch: YES, Remarks: IN LATERAL	00:15:19	1527	S 2
	290.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:17:00	1528	
	319.30	Manhole, within 8 inch: NO, Remarks: 1918-0047	00:18:08	1529	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2111	14	3	17	1.56	1.5	1.55



Inspection report

Date: 20100817	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 91	PSR: 84360
Total Pipe Length: 317.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/16/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: JABONERIA RD	Flow Control: Not Controlled	Start MH: 1917-0209
City: BGD	Year Renewed	End MH: 1918-0044
Location Code: Light Highway	Tape/Media #: M317-006	pipe length: 269 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0209/1917-0044/1918	Lining Method:
	Category:

Remark::

1:600	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0209	00:00:23	1991	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:28	1992	M 1
	5.20	Water Level, 10 %, within 8 inch: NO	00:00:57	1993	
	12.90	Crack Circumferential, from 12 to 4 o'clock, within 8 inch: YES	00:01:40	1994, b	S 1
	14.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:07	1996	
	52.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:32	1997	
	91.40	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:04:59	1998	
	185.00	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:8:10	1999	
	210.50	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:09:22	2000, b	S 2
	213.70	Hole Soil Visible, from 9 to 11 o'clock, within 8 inch: NO	00:10:15	2002, b	S 5
	213.70	Crack Circumferential, from 12 to 3 o'clock, within 8 inch: YES	00:10:47	2005, b	S 1
	216.70	Fracture Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:11:36	2007, b	S 2
	218.10	Water Level, 25 %, within 8 inch: NO	00:12:25	2010	
	224.00	Water Level, 15 %, within 8 inch: NO	00:12:43	2011	
	269.00	Vermin Cockroach, within 8 inch: NO	00:14:24	2012	M 1
	269.00	Manhole, within 8 inch: NO, Remarks: 1918-0044	00:14:32	2013	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	1200	11	2	13	2.2	1	1.86



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 36	PSR: 44944
Total Pipe Length: 286.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1918-0069
City: BGD	Year Renewed	End MH: 1918-0068
Location Code: Light Highway	Tape/Media #: M317-003	pipe length: 237.9 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0068/1918-0069/1918	Lining Method:
	Category:

Remark::

1:550	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0069	00:00:34	861	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:17	862	
	16.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:01:46	863, b	S 1
	19.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:11	865, b	S 1
	58.30	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:44	867, b	S 1
	74.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:33	869	
	75.90	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:04:49	870, b	S 2
	75.90	Joint Offset Medium, within 8 inch: YES	00:05:13	872	S 1
	77.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:05:26	873	
	114.10	Crack Circumferential, from 3 to 6 o'clock, within 8 inch: YES	00:07:03	874, b	S 1
	130.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:07:53	876	
	152.70	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:08:53	877, b	S 1
	175.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:10:00	879	
	177.60	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:13	880	
	230.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:12:12	881	
	237.90	Hole Soil Visible, from 3 to 6 o'clock, within 8 inch: YES	00:12:51	882, b	S 5
	237.90	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:09	884, b	S 2
	237.90	Abandoned Survey, within 8 inch: NO, Remarks: INSPECTION COMPLETE WITH	00:13:40	886	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5122	0000	15	0	15	1.67	0	1.67



Inspection report

Date: 20100813	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 41	PSR: 44921
Total Pipe Length: 309.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: FOSTORIA ST	Flow Control: Not Controlled	Start MH: 1918-0041
City: BGD	Year Renewed	End MH: 1918-0087
Location Code: Light Highway	Tape/Media #: M317-004	pipe length: 295.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0041/1918-0087/1918	Lining Method:
	Category:

Remark::

1:297	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0041	00:00:20	1044	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:26	1045	M 1
	2.70	Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO	00:00:45	1046	
	3.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:01:03	1047, b	S 1
	4.30	Water Level, 10 %, within 8 inch: NO	00:01:20	1049	
	15.20	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:02:03	1050, b	S 1
	21.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:39	1052, b	S 1
	24.50 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:03:11	1054, b	S 1
	28.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:03:48	1056	
	40.40 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:04:19	1057	S 1
	43.00	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:34	1058	
	45.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:04:51	1059	
	49.80	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:05:22	1060, b	S 1
	64.80	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:06:22	1062, b	S 2
	76.70	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:07:08	1064, b	S 1
	82.70	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:07:50	1066, b	S 2
	84.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:08:14	1068	
	106.50	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:09:21	1069, b	S 1
	107.50	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:09:50	1071	M 2
	107.50	Hole Soil Visible, from 10 to 4 o'clock, within 8 inch: NO, Remarks: in lateral	00:10:19	1072	S 5
	112.00	Crack Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:10:50	1073, b	S 1
	127.00	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:11:49	1075, b	S 2
	128.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:12:18	1077	



Inspection report

Date: 20100813	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 41	PSR: 44921
Total Pipe Length: 309.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:297	position	observation	MPEG	photo	grade
	<u>141.30</u> S3	Crack Circumferential, from 7 to 5 o'clock, 6", within 8 inch: NO, Start	00:12:34	1078, b	S 1
	<u>141.30</u>	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:13:21	1082	
	<u>145.60</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:54	1083	
	<u>146.90</u>	Joint Offset Medium, within 8 inch: YES	00:14:11	1084	S 1
	<u>160.20</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:15:00	1085	
	<u>205.00</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:15	1086	
	<u>219.60</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:18:02	1087	
	<u>243.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:19:10	1088	
	<u>254.70</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:20:40	1089	
	<u>283.30</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:22:18	1090	
	<u>294.40</u> F3	Crack Circumferential, from 7 to 5 o'clock, 6", within 8 inch: NO, End	00:22:53	1091	S 1
	<u>295.60</u>	Manhole, within 8 inch: NO, Remarks: 1918-0087	00:23:10	1092	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5123	2111	61	3	64	1.13	1.5	1.14



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 37	PSR: 44945
Total Pipe Length: 351.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1918-0069
City: BGD	Year Renewed	End MH: 1918-0070
Location Code: Light Highway	Tape/Media #: M317-003	pipe length: 335.3 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0069/1918-0070/1918	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0069	00:00:25	887	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:33	888	M 1
	6.00	Water Level, 15 %, within 8 inch: NO	00:01:30	889	
	6.40	Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES	00:01:55	890, b	S 1
	9.30	Crack Circumferential, from 9 to 4 o'clock, within 8 inch: YES	00:02:31	892, b	S 1
	12.00 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:02:56	894, b	S 1
	36.40	Water Level, 10 %, within 8 inch: NO	00:04:07	898	
	43.50	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:04:33	899	
	93.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:20	900	
	96.60	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:06:38	901	
	142.10	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:08:45	902	S 2
	142.40	Hole Soil Visible, at 3 o'clock, within 8 inch: YES	00:09:17	903, b	S 5
	142.40	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:09:34	905, b	S 2
	143.80	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:02	908	
	209.30	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:12:40	909	
	259.90	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:14:35	910	
	282.20	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:15:42	911, b	S 2
	289.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:16:17	913	
	333.50	Tap Factory Active, at 6 o'clock, 6", within 8 inch: NO	00:18:12	914	
	334.30 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:18:24	915	S 1
	335.30	Vermin Cockroach, within 8 inch: NO	00:18:43	916	M 1
	335.30	Manhole, within 8 inch: NO, Remarks: 1918-0070	00:18:52	917	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5123	1200	94	2	96	1.08	1	1.08



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 33	PSR: 44908
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: SHULL ST	Flow Control: Not Controlled	Start MH: 1918-0091
City: BGD	Year Renewed:	End MH: 1918-0092
Location Code: Light Highway	Tape/Media #: M317-003	pipe length: 345.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0091/1918-0092/1918	Lining Method:
	Category:

Remark::

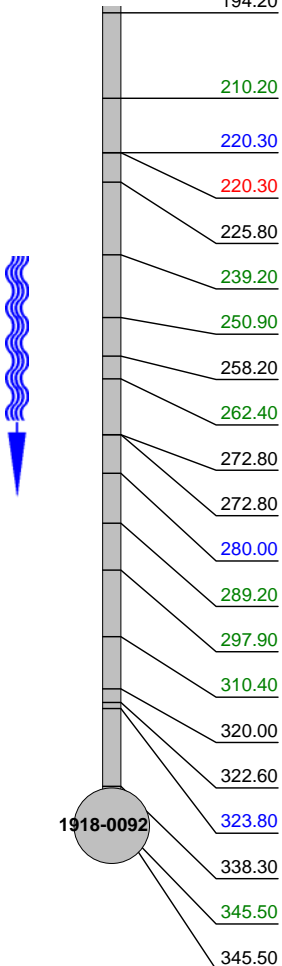
1:429	position	observation	MPEG	photo	grade
1918					
	1918-0091	Manhole, within 8 inch: NO, Remarks: 1918-0091	00:00:20	752	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:26	753	M 1
	0.00	Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO	00:00:43	754, b	M 2
	5.00	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:01:18	756, b	S 2
	11.20	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:01:59	758, b	S 1
	12.30	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:25	760	
	19.60	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:59	761, b	S 2
	20.90	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:03:29	763	
	28.90	Water Level, 10 %, within 8 inch: NO	00:04:00	764	
	39.90	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:04:39	765, b	S 1
	55.00	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:05:29	767, b	S 1
	60.30 S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:6:10	769, b	S 1
	65.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:30	773	
	70.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:07:05	774	
	94.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:37	775	
	101.70 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:09:09	776	S 1
	110.10	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:09:49	777, b	S 1
	112.90	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:10:33	779, b	S 2
	115.60 S2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:10:59	781, b	S 1
	117.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:11:40	785	
	146.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:13:15	786	
	167.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:14:45	787	



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 33	PSR: 44908
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:429	position	observation	MPEG	photo	grade
	194.20	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:30	788	
	210.20 F2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:17:13	789	S 1
	220.30	Tap Factory Defective, at 3 o'clock, 6", within 8 inch: NO	00:17:51	790	M 2
	220.30	Hole Soil Visible, from 10 to 3 o'clock, within 8 inch: NO, Remarks: in lateral	00:18:15	791	S 5
	225.80	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:18:47	792	
	239.20	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:19:43	793, b	S 1
	250.90	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:20:42	795, b	S 1
	258.20	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:21:22	797	
	262.40	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:21:49	798, b	S 1
	272.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:22:58	800	
	272.80	Water Level, 25 %, within 8 inch: NO	00:23:11	801	
	280.00	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:23:48	802, b	S 2
	289.20	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:24:47	804, b	S 1
	297.90	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:25:43	806, b	S 1
	310.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:27:01	808, b	S 1
	320.00	Tap Factory, at 3 o'clock, 6", within 8 inch: NO	00:28:02	810	
	322.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:28:25	811	
	323.80	Crack Longitudinal, at 1 o'clock, within 8 inch: YES	00:28:51	812, b	S 2
	338.30	Water Level, 50 %, within 8 inch: NO	00:30:07	814	
	345.50	Vermin Cockroach, within 8 inch: NO	00:30:57	815	M 1
	345.50	Manhole, within 8 inch: NO, Remarks: 1918-0092	00:31:07	816	





Inspection report

Date: 20100827	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Rigo Alvarez	section number: 516	PSR: 45390
Total Pipe Length: 251.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/23/2010	Pre-Cleaned: Jetting	Map Grid #: 1917

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1917-0314
City: BGD	Year Renewed	End MH: 1917-0315
Location Code: Alley	Tape/Media #: R311-015	pipe length: 196.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"/8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0314/1917-0315/1917	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0314	00:00:19	3051	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:28	3052, b	M 1
	2.50	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:01:17	3054	
	5.50	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:02:50	3055	
	6.00	Water Level, 5 %, within 8 inch: NO	00:03:21	3056	
	9.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 3'	00:03:47	3057	
	35.80	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:04:45	3058	
	38.40	Tap Factory Active, at 10 o'clock, 6", within 8 inch: NO	00:05:11	3059	
	65.80	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:06:13	3060	
	86.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:07:06	3061	
	110.00	Broken Soil Visible, from 1 to 3 o'clock, within 8 inch: YES	00:08:39	3062, b	S 5
	110.00	Fracture Longitudinal, at 9 o'clock, within 8 inch: YES	00:09:18	3064, b	S 3
	113.90	Tap Break-in Active, at 2 o'clock, 4", within 8 inch: NO	00:10:07	3066	
	117.20	Tap Factory Capped, at 2 o'clock, 6", within 8 inch: NO	00:10:36	3067	
	117.20	Vermin Cockroach, within 8 inch: NO	00:10:48	3068, b	M 1
	156.80	Water Level, 20 %, within 8 inch: NO	00:12:28	3070	
	162.90	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:12:56	3071	
	187.00	Deposits Settled Fine, from 5 to 7 o'clock, 10 %, within 8 inch: NO	00:14:29	3072, b	M 2
	196.60	Vermin Cockroach, within 8 inch: NO	00:15:16	3074, b	M 1
	196.60	Manhole, within 8 inch: NO, Remarks: 1917-0315	00:15:44	3076	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	2113	8	5	13	4	1.25	2.17



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 32	PSR: 44970
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: SHULL ST	Flow Control: Not Controlled	Start MH: 1918-0090
City: BGD	Year Renewed	End MH: 1918-0091
Location Code: Light Highway	Tape/Media #: M317-003	pipe length: 345.6 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0090/1918-0091/1918	Lining Method:
	Category:

Remark::

1:330	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0090	00:00:22	696	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:27	697	M 1
	5.00	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:00:48	698	
	6.10	Crack Circumferential, from 8 to 3 o'clock, within 8 inch: YES	00:01:32	699, b	S 1
	6.10	Water Level, 10 %, within 8 inch: NO	00:01:52	701	
	17.70	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:02:27	702, b	S 1
	18.80	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:02:58	704	
	21.50	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:03:17	705	
	25.80	Crack Circumferential, from 8 to 2 o'clock, within 8 inch: YES	00:03:50	706, b	S 1
	43.60	Crack Circumferential, from 9 to 5 o'clock, within 8 inch: YES	00:04:53	708, b	S 1
	47.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:05:23	710	
	55.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:05:55	711, b	S 1
	71.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:57	715	
	91.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:11	716	
	115.60	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:40	717	
	135.80	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:10:29	718	S 1
	141.60	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:51	719	



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 32	PSR: 44970
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:330	position	observation	MPEG	photo	grade
	<u>148.90</u>	Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES	00:11:19	720, b	S 1
	<u>151.70</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:12:07	722, b	S 4
	<u>151.70</u>	Broken, from 8 to 4 o'clock, within 8 inch: NO	00:13:24	725, b	S 5
	<u>153.00</u>	Fracture Circumferential, from 3 to 9 o'clock, within 8 inch: NO	00:14:05	727, b	S 2
	<u>154.80</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:14:39	729, b	S 1
	<u>157.70</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:16	731, b	S 1
	<u>159.10</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:41	733	
	<u>161.50</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:16:00	734	
	<u>165.60</u>	Crack Circumferential, from 3 to 9 o'clock, within 8 inch: YES	00:16:26	735, b	S 1
	<u>186.70</u> S2	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:17:27	737, b	S 1
	<u>221.00</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:19:18	741	
	<u>244.50</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:20:45	742	
	<u>270.60</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:22:07	743	
	<u>273.30</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:22:28	744	
	<u>320.20</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:24:42	745	
	<u>322.90</u>	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:25:13	746	



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 32	PSR: 44970
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:330	position	observation	MPEG	photo	grade		
		<p>Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End</p> <p>Deposits Attached Grease, from 11 to 1 o'clock, 5 %, within 8 inch: NO</p> <p>Vermin Cockroach, within 8 inch: NO</p> <p>Manhole, within 8 inch: NO, Remarks: 1918-0091</p>	<p>00:26:15</p> <p>00:26:42</p> <p>00:27:12</p> <p>00:27:21</p>	<p>747</p> <p>748, b</p> <p>750</p> <p>751</p>	<p>S 1</p> <p>M 2</p> <p>M 1</p>		
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2112	78	4	82	1.11	1.33	1.12



Inspection report

Date: 20100813	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 46	PSR: 44852
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: SHULL ST	Flow Control: Not Controlled	Start MH: 1918-0092
City: BGD	Year Renewed	End MH: 1918-0093
Location Code: Light Highway	Tape/Media #: M317-004	pipe length: 329.1 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0092/1918-0093/1918	Lining Method:
	Category:

Remark::

1:363	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0092	00:00:22	1238	
1918	0.00	Vermin Cockroach, within 8 inch: NO	00:00:27	1239	M 1
	4.00	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:00:52	1240, b	S 2
1918-0092	6.10	Water Level, 10 %, within 8 inch: NO	00:01:18	1242	
	21.10	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:01:57	1243	
	23.90	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:02:14	1244	
	34.00	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:02:50	1245, b	S 2
	42.90	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:03:30	1247, b	S 1
	50.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:04:04	1249	
	50.30	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:04:13	1250	M 1
	51.40	Roots Fine Joint, from 11 to 1 o'clock, within 8 inch: YES	00:04:33	1251	M 1
	59.90	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:04:59	1252, b	M 1
	60.30	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:05:12	1254, b	S 2
	63.40	Crack Circumferential, from 1 to 3 o'clock, within 8 inch: YES	00:06:00	1256, b	S 1
	63.40	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:06:14	1258	M 1
	73.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:06:46	1259	
	76.40	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:19	1260	
	80.30	Crack Circumferential, from 9 to 4 o'clock, within 8 inch: YES	00:09:39	1261, b	S 1
	80.30	Roots Fine Joint, from 7 to 9 o'clock, within 8 inch: YES	00:09:56	1263, b	M 1
	83.10	Roots Fine Joint, at 9 o'clock, within 8 inch: YES	00:10:22	1265	M 1
	95.50	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:11:13	1266, b	S 1
	95.50	Roots Fine Joint, from 10 to 11 o'clock, within 8 inch: YES	00:11:30	1268	M 1
	107.60	Roots Fine Joint, from 11 to 12 o'clock, within 8 inch: YES	00:12:06	1269	M 1
	114.80	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:12:34	1270	
	116.00	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:13:02	1271, b	S 2
	116.00	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:23	1273, b	S 1



Inspection report

Date: 20100813	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 46	PSR: 44852
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:363	position	observation	MPEG	photo	grade
	<u>116.00</u>	Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:13:02	1271, b	S 2
	<u>116.00</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:13:23	1273, b	S 1
	<u>130.90</u>	Roots Fine Joint, from 12 to 3 o'clock, within 8 inch: YES	00:14:14	1275	M 1
	<u>136.90</u>	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:14:44	1276, b	M 1
	<u>141.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:15:13	1278	
	<u>141.20</u>	Roots Fine Lateral, at 9 o'clock, within 8 inch: NO	00:15:23	1279	M 1
	<u>148.70</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:15:52	1280, b	S 1
	<u>152.90</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:16:26	1282	
	<u>160.10</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:16:51	1283, b	S 1
	<u>170.20</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:17:34	1285	
	<u>192.20</u>	Deposits Attached Grease, from 1 to 2 o'clock, 5 %, within 8 inch: NO	00:18:37	1286, b	M 2
	<u>207.50</u>	Crack Circumferential, from 7 to 4 o'clock, within 8 inch: YES	00:19:24	1288, b	S 1
	<u>208.90</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:19:56	1290	
	<u>208.90</u>	Deposits Attached Grease, from 1 to 2 o'clock, 5 %, within 8 inch: NO	00:20:07	1291, b	M 2
	<u>216.20</u>	Crack Circumferential, from 9 to 12 o'clock, within 8 inch: YES	00:20:43	1293, b	S 1
	<u>216.20</u>	Deposits Attached Grease, from 11 to 2 o'clock, 10 %, within 8 inch: NO	00:21:00	1295	M 2
	<u>230.10</u>	Deposits Attached Grease, from 11 to 1 o'clock, 5 %, within 8 inch: NO	00:21:43	1296, b	M 2
	<u>232.30</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:22:07	1298	
	<u>236.60</u>	Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES	00:22:27	1299, b	S 1
	<u>248.70</u>	Fracture Longitudinal, at 3 o'clock, within 8 inch: YES	00:23:12	1301, b	S 3
	<u>248.70</u>	Hole Soil Visible, at 3 o'clock, within 8 inch: YES	00:23:28	1303, b	S 5
	<u>248.70</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:23:47	1305, b	S 4
	<u>251.60</u>	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:24:29	1307, b	S 4
	<u>260.70</u>	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:25:11	1309, b	S 1
	<u>273.80</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:25:59	1311	
	<u>275.10</u>	Crack Circumferential, from 12 to 5 o'clock, within 8 inch: YES	00:26:13	1312, b	S 1
	<u>287.30</u>	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:27:03	1314, b	S 1
	<u>287.30</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:27:18	1316	M 1
	<u>290.20</u>	Roots Fine Joint, from 11 to 3 o'clock, within 8 inch: YES	00:27:51	1317, b	M 1
	<u>296.40</u> S1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start	00:28:21	1319, b	S 1
	<u>296.40</u>	Roots Fine Joint, from 7 to 5 o'clock, within 8 inch: YES	00:28:35	1323	M 1
	<u>320.20</u>	Roots Fine Joint, from 9 to 3 o'clock, within 8 inch: YES	00:29:53	1324, b	M 1
	<u>321.50</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:30:15	1326	



Inspection report

Date: 20100813	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 46	PSR: 44852
Total Pipe Length: 366.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/12/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:363	position	observation	MPEG	photo	grade
	321.50	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:30:15	1326	
	325.80	Roots Fine Joint, from 8 to 4 o'clock, within 8 inch: YES	00:30:35	1327, b	M 1
	325.80 F1	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End	00:30:49	1329	S 1
	329.10	Vermin Cockroach, within 8 inch: NO	00:31:05	1330	M 1
	329.10	Manhole, within 8 inch: NO, Remarks: 1918-0093	00:31:14	1331	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5142	241B	44	26	70	1.57	1.18	1.4



Inspection report

Date: 20100819	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 120	PSR: 45616
Total Pipe Length: 66.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/19/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: PARKING LOT	Flow Control: Not Controlled	Start MH: 1917-0131
City: BGD	Year Renewed	End MH: 1917-0134
Location Code: Light Highway	Tape/Media #: M317-008	pipe length: 4.8 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length:
Drain. Area: 0131/1917-0134/1917	Lining Method:
	Category:

Remark::

1:25	position	observation	MPEG	photo	grade
1917					
	0.00	Manhole, within 8 inch: NO, Remarks: 1917-0131	00:00:19	2591	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:27	2592	M 1
	3.00	Crack Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:01:08	2593, b	S 1
	4.00	Hole Soil Visible, from 8 to 10 o'clock, within 8 inch: YES	00:01:42	2595, b	S 5
	4.00	Fracture Circumferential, from 8 to 10 o'clock, within 8 inch: YES	00:02:06	2597, b	S 2
	4.50	Hole Soil Visible, from 7 to 9 o'clock, within 8 inch: YES	00:02:34	2599, b	S 5
	4.80	Alignment Right, 90 %, within 8 inch: NO	00:03:06	2601, b	M 4
	4.80	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS TURN TO TH	00:03:32	2603	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5221	4111	13	5	18	3.25	2.5	3



Inspection report

Date: 20100812	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 35	PSR: 44944
Total Pipe Length: 286.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: ALLEY	Flow Control: Not Controlled	Start MH: 1918-0068
City: BGD	Year Renewed	End MH: 1918-0069
Location Code: Light Highway	Tape/Media #: M317-003	pipe length: 46.5 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0068/1918-0069/1918	Lining Method:
	Category:

Remark::

1:125	position	observation	MPEG	photo	grade
1918					
	0.00	Manhole, within 8 inch: NO, Remarks: 1918-0068	00:00:31	843	
	6.00	Water Level, 10 %, within 8 inch: NO	00:01:04	844	
	7.40	Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES	00:01:15	845, b	S 1
	16.40	Crack Circumferential, from 8 to 4 o'clock, within 8 inch: YES	00:01:56	847, b	S 1
	17.60	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:02:23	849	
	42.60	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:35	850, b	S 2
	42.70	Broken, from 7 to 5 o'clock, within 8 inch: YES	00:03:53	852, b	S 5
	46.50	Hole Soil Visible, from 6 to 9 o'clock, within 8 inch: YES	00:05:18	854, b	S 5
	46.50	Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:53	856, b	S 2
	46.50	Broken, from 3 to 9 o'clock, within 8 inch: YES	00:06:18	858, b	S 5
	46.50	Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS PIPE DUE T	00:06:43	860	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5322	0000	21	0	21	3	0	3



Inspection report

Date: 20100811	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 24	PSR: 52870
Total Pipe Length: 320.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

Street: SHULL ST	Flow Control: Not Controlled	Start MH: 1864-0123
City: BGD	Year Renewed	End MH: 1864-0122
Location Code: Light Highway	Tape/Media #: M317-002	pipe length: 345.7 ft

Reason for inspection: Routine Assessment	Dia/Height: Circular 8"
Use of Sewer: Sanitary	Material: Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0122/1864-0123/1864	Lining Method:
	Category:

Remark::

1:363	position	observation	MPEG	photo	grade
0122					
	0.00	Manhole, within 8 inch: NO, Remarks: 1864-0123	00:00:41	493	
	0.00	Vermin Cockroach, within 8 inch: NO	00:00:47	494	M 1
	6.00	Water Level, 5 %, within 8 inch: NO	00:01:33	495	
	11.90	Tap Break-in, at 9 o'clock, 6", within 8 inch: NO	00:01:57	496	
	12.30	Hole Void Visible, from 9 to 11 o'clock, within 8 inch: NO	00:02:18	497, b	S 5
	25.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:03:15	499, b	S 1
	28.60	Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:04:08	501, b	S 3
	28.70	Broken, from 2 to 5 o'clock, within 8 inch: YES	00:04:48	505, b	S 5
	31.50	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:05:12	507, b	S 1
	51.10	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:09	509	
	56.40	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:06:28	510	
	69.50	Crack Circumferential, from 4 to 8 o'clock, within 8 inch: YES	00:07:06	511, b	S 1
	71.90	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:07:32	513, b	S 1
	79.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:08:05	515	
	83.80	Crack Circumferential, from 9 to 1 o'clock, within 8 inch: YES	00:08:38	516, b	S 1
	88.30	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:09:07	518	
	88.30	Roots Fine Lateral, at 3 o'clock, within 8 inch: NO	00:09:17	519	M 1
	92.50	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:09:49	520, b	S 1
	99.60	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:10:22	522	
	109.30	Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES	00:10:48	523, b	S 1
	140.80	Tap Factory, at 3 o'clock, 6", within 8 inch: NO	00:12:15	526	
	161.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:13:04	527	



Inspection report

Date: 20100811	P.O.#: Y0TV0910C	Weather: Dry	Surveyed By: Martin Garcia	section number: 24	PSR: 52870
Total Pipe Length: 320.00	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 08/10/2010	Pre-Cleaned: Heavy Cleaning	Map Grid #:

1:363	position	observation	MPEG	photo	grade
	166.70	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:32	528	
	176.80	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:14:10	529, b	S 4
	176.90	Hole, from 7 to 11 o'clock, within 8 inch: YES	00:14:42	532, b	S 5
	179.70	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:15:15	534, b	S 4
	192.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:16:02	536	
	210.50	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:16:44	537	
	234.10	Tap Factory Defective, at 9 o'clock, 6", within 8 inch: NO	00:17:40	538	M 2
	234.10	Crack Circumferential, from 1 to 4 o'clock, within 8 inch: NO, Remarks: in lateral	00:18:02	539	S 1
	260.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:19:18	540	
	281.30	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:20:19	541	
	328.40	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:22:02	542	
	333.30	Tap Factory, at 9 o'clock, 6", within 8 inch: NO	00:22:22	543	
	338.60	Tap Break-in Active, at 3 o'clock, 4", within 8 inch: NO	00:22:59	544	
	345.70	Vermin Cockroach, within 8 inch: NO	00:23:31	545	M 1
	345.70	Manhole, within 8 inch: NO, Remarks: 1864-0122	00:23:39	546	

