



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

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

November 24, 2010

Ms. Chau Vu, Public Works Manager
City of Bell Gardens
8327 South Garfield Avenue
Bell Gardens, CA 90201

Dear Ms. Vu:

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 97,334 feet or 46.6 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 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
November 24, 2010
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, in some instances, 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 at (626) 300-3367, Monday through Friday, 8 a.m. to 4 p.m., or at rswartz@dpw.lacounty.gov.

Very truly yours,

GAIL FARBER
Director of Public Works



KEITHE. LEHTO
Assistant Deputy Director
Sewer Maintenance Division

PK:gy

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Enc.

bc: Programs Development (Chinn)
KL,MM, RS, FV, File (Project Y0TV0809B), SPINDLE

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

PROJECT NAME: Y0TV0809B	PROJECT MGR: Kari Eskridge
PROJECT DATE: 01/30/2009	CONTACT NO: (626) 300-3390
SUP. DISTRICT(s): 1	MAP PAGE(S): 1917 □ 1918
Report By: Phyo Kyaw	Report Date: 10/21/2010

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 97,334 feet or 46.6 percent of the City of Bell Gardens' sewer system.

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

PROJECT AREA AND DESCRIPTION

Project 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:

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

MAINTENANCE REPORT

Our inspection revealed that approximately 93.2 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 6.8 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).

Also included on this 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.

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: Excellent	2,649	2.7	15
2: Good	88,059	90.5	366
3: Fair	4,105	4.2	14
4: Poor	2,502	2.6	9
5: Immediate Attention	19	0.0	1
TOTAL	97,334	100.0	405

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 of 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.

Infiltration

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

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

STRUCTURAL REPORT

Our inspection revealed that approximately 86.8 percent of the inspected pipe segments within the City of Bell Gardens were free of severe structural defects. However, the remaining 13.2 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. The segment has been placed on a priority list based on the severity and the need for action. For Items 1 through 48 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 48 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	52,974	54.4	238
2: Good	8,058	8.3	31
3: Fair	23,461	24.1	88
4: Poor	10,846	11.1	40
5: Immediate Attention	1,995	2.1	8
TOTAL	97,334	100.0	405

FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the City of Bell Gardens according to the following schedule.

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	IN PROGRESS
TOTAL		208,712	100.0	

ENCLOSURE 1:

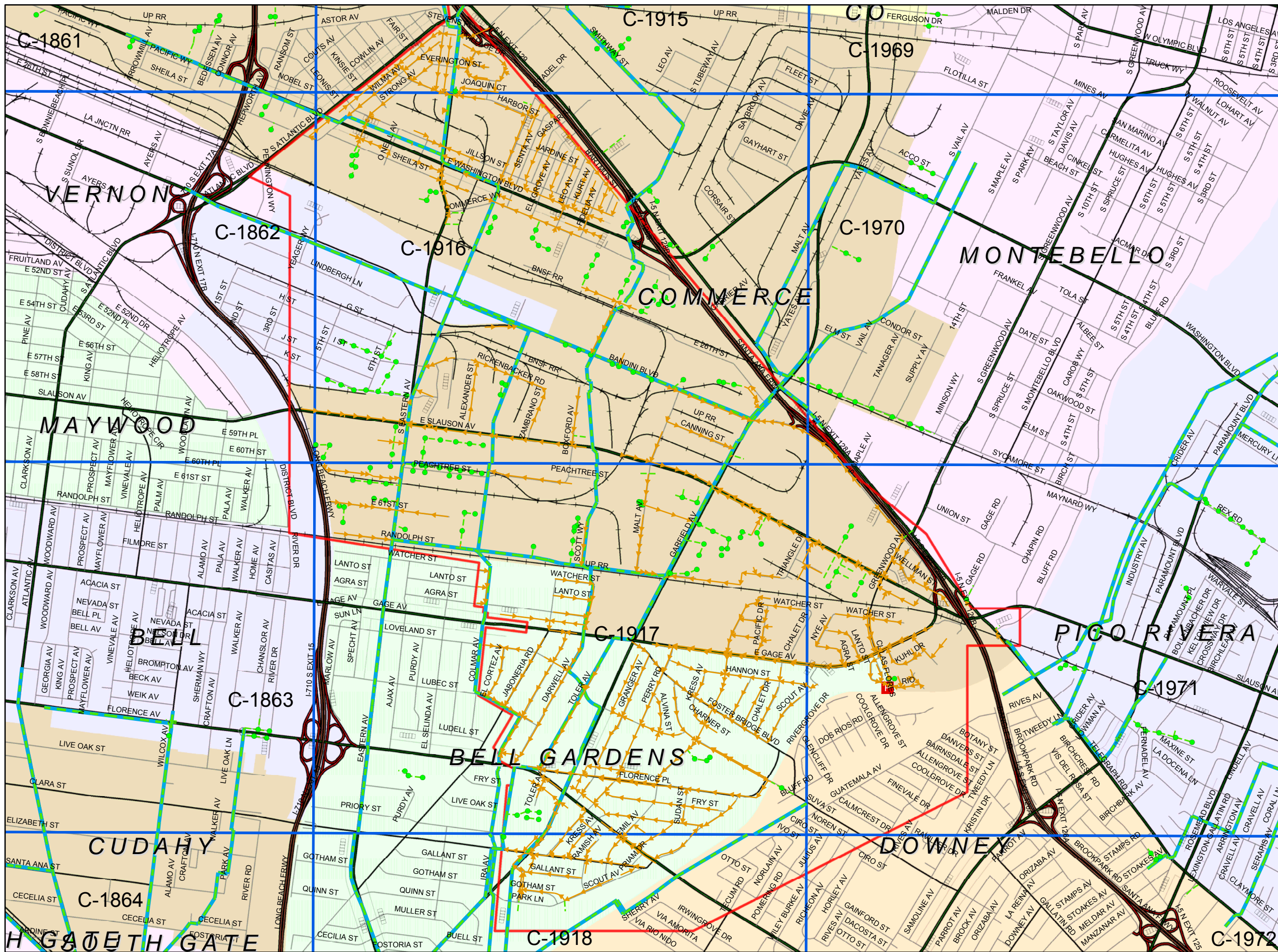
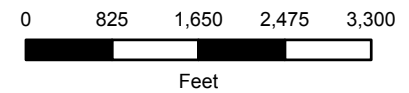
Project Overview Map

OVERVIEW MAP BELL GARDENS

CCTV PROJECT

Y0TV0809B

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



Legend

SMD Sanitary Sewers

— SMD Sanitary Sewers

■ SMD Pump Stations

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

● Non SMD Maintained MH

□ SMD Operations Maps

□ CCTV PROJECT AREA

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OCTOBER 2010

ENCLOSURE 2:

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

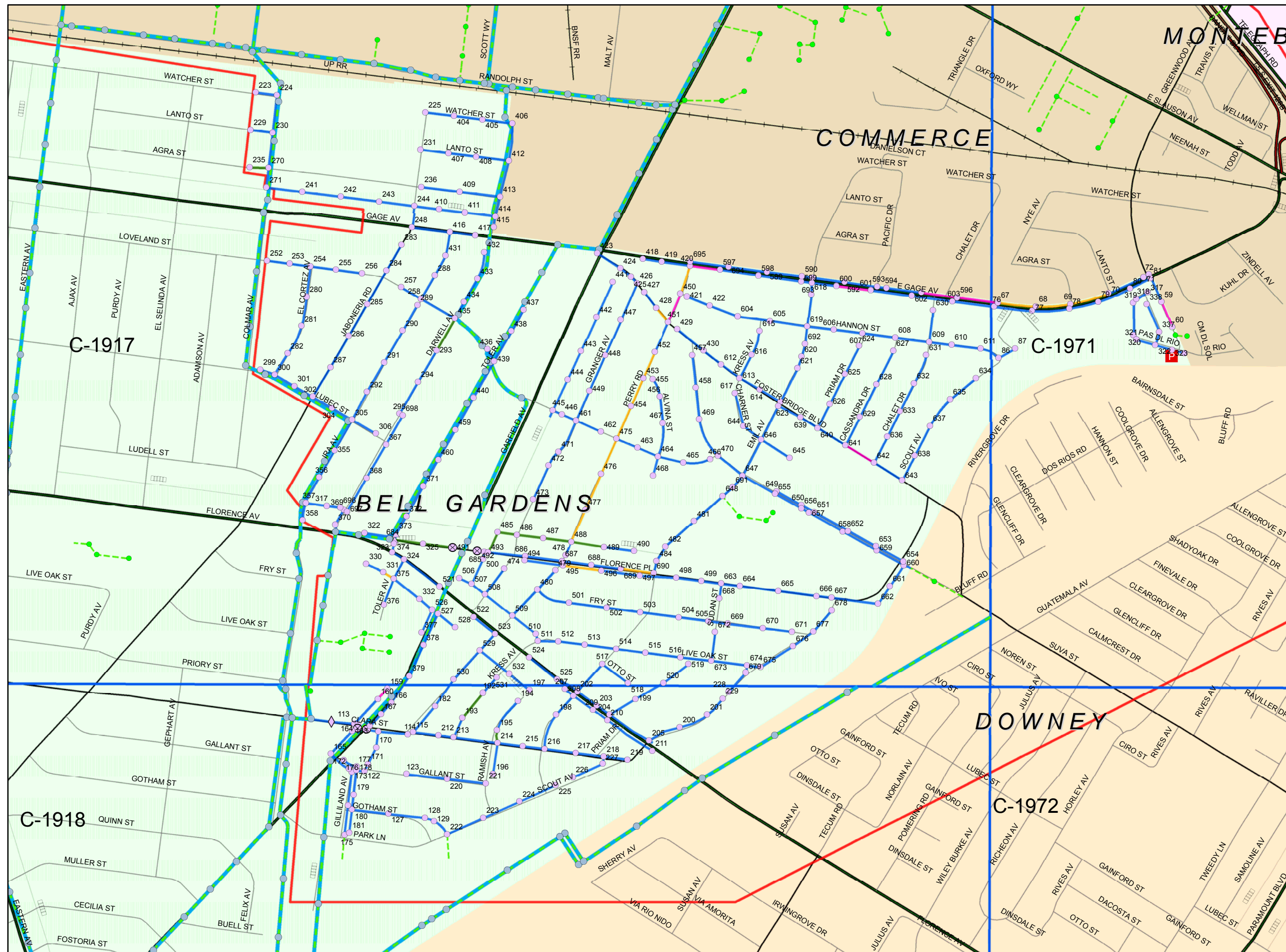
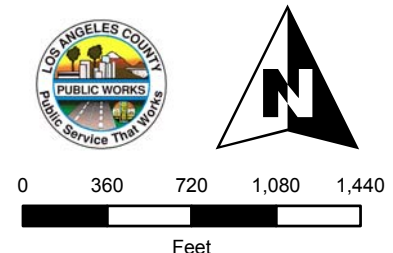
ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF BELL GARDENS (Y0TV0809B)
as of 01/12/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	Corrective Action Taken (Date Completed)
1	5100	1917-0369	1917-0696	Alley by DARWELL	High flow: high water level (65%)	No action needed.
2	4631	1971-0067	1917-0596	GAGE AV	High water mark (50%): 60' - End MH: sag (50%): 302' - End MH	Hydro (05/11/10)
3	4131	1917-0420	1917-0597	GAGE AV	Grease	Hydro (05/11/10)
4	4122	1917-0641	1917-0642	FOSTER BRIDGE BV	Roots; lateral roots	Letter to homeowner; rodder (05/10/10)
5	4122	1917-0595	1917-0596	GAGE AV	Grease; high water level / mark (50%): Start - End MH	Hydro (05/11/10)
6	4121	1971-0059	1971-0060	GREENWOOD AV	Grease; high water mark (50%): Start - End MH	Hydro (05/11/10)
7	4121	1917-0450	1917-0451	PERRY RD	Grease; high water mark (50% - 70%): Start - End MH	Hydro (05/11/10)
8	4121	1918-0159	1918-0160	GARFIELD AV	Roots	Rodder (05/10/10)
9	4121	1917-0600	1917-0601	GAGE AV	Roots; lateral roots	Letter to homeowner; rodder (05/10/10)
10	4100	1917-0420	1917-0695	GAGE AV	High water mark (50%): Start - End MH	No action needed.
11	3121	1917-0452	1917-0453	PERRY RD	High water mark (50%): Start - End MH; grease	Hydro (05/10/10)
12	3121	1917-0453	1917-0454	PERRY RD	High water mark (50%): Start - End MH; grease	Hydro (05/10/10)
13	3121	1917-0454	1917-0475	PERRY RD	High water mark (40% - 50%): Start - End MH; grease	Hydro (05/10/10)
14	3121	1917-0475	1917-0476	PERRY RD	High water mark (50%): Start - End MH; grease	Hydro (05/10/10)
15	3121	1917-0476	1917-0477	PERRY RD	High water mark (50% - 65%): Start - End MH; grease	Hydro (05/10/10)
16	3121	1917-0689	1917-0690	FLORENCE PL	High water mark (40%): Start-End MH	No action needed.
17	3121	1917-0495	1917-0496	FLORENCE PL	High water mark (40% - 50%): Start - End MH; grease	Hydro (05/12/10)
18	3100	1917-0331	1917-0375	Alley by TOLEY & FLORENCE	High water mark (50%): 0' - 10'; deposit; debris in MH 331	Hydro (10/05/10)
19	3100	1917-0477	1917-0488	PERRY RD	High water mark (50%): Start - End MH; grease	Hydro (05/11/10)
20	3100	1971-0067	1971-0068	GAGE AV	High water mark (40% - 50%): Start - End MH; grease	Hydro (05/11/10)
21	3100	1971-0068	1971-0069	GAGE AV	High water mark (50%): Start - End MH; grease	Hydro (05/11/10)
22	3100	1971-0069	1971-0070	GAGE AV	High water mark (40% - 50%): Start - End MH; grease	Hydro (05/11/10)
23	3100	1917-0450	1917-0420	PERRY RD	High water mark (50%)	No action needed.
24	3100	1917-0428	1917-0451	FOSTER BRIDGE BV	High water mark (50%): 0' - 30'	No action needed.

ENCLOSURE 2 CCTV PROJECT Y0TV0809B

CITY OF BELL GARDENS

QUICK MAINTENANCE RATING (QMR)



- Legend**
- SMD Sanitary Sewers QMR**
- 1: EXCELLENT
 - 2: GOOD
 - 3: FAIR
 - 4: POOR
 - 5: IMMEDIATE ATTENTION
- SMD Manholes**
- Other
- Manhole Type**
- Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
 - SMD Pump Stations
 - SMD Treatment Plants
- Maintained by Others:**
- Trunk Sewerlines
 - Non SMD Sanitary Sewers
 - Non SMD Maintained MH
 - SMD Operations Maps
 - CCTV PROJECT AREA

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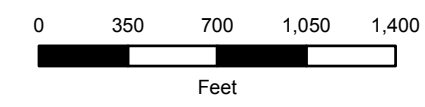
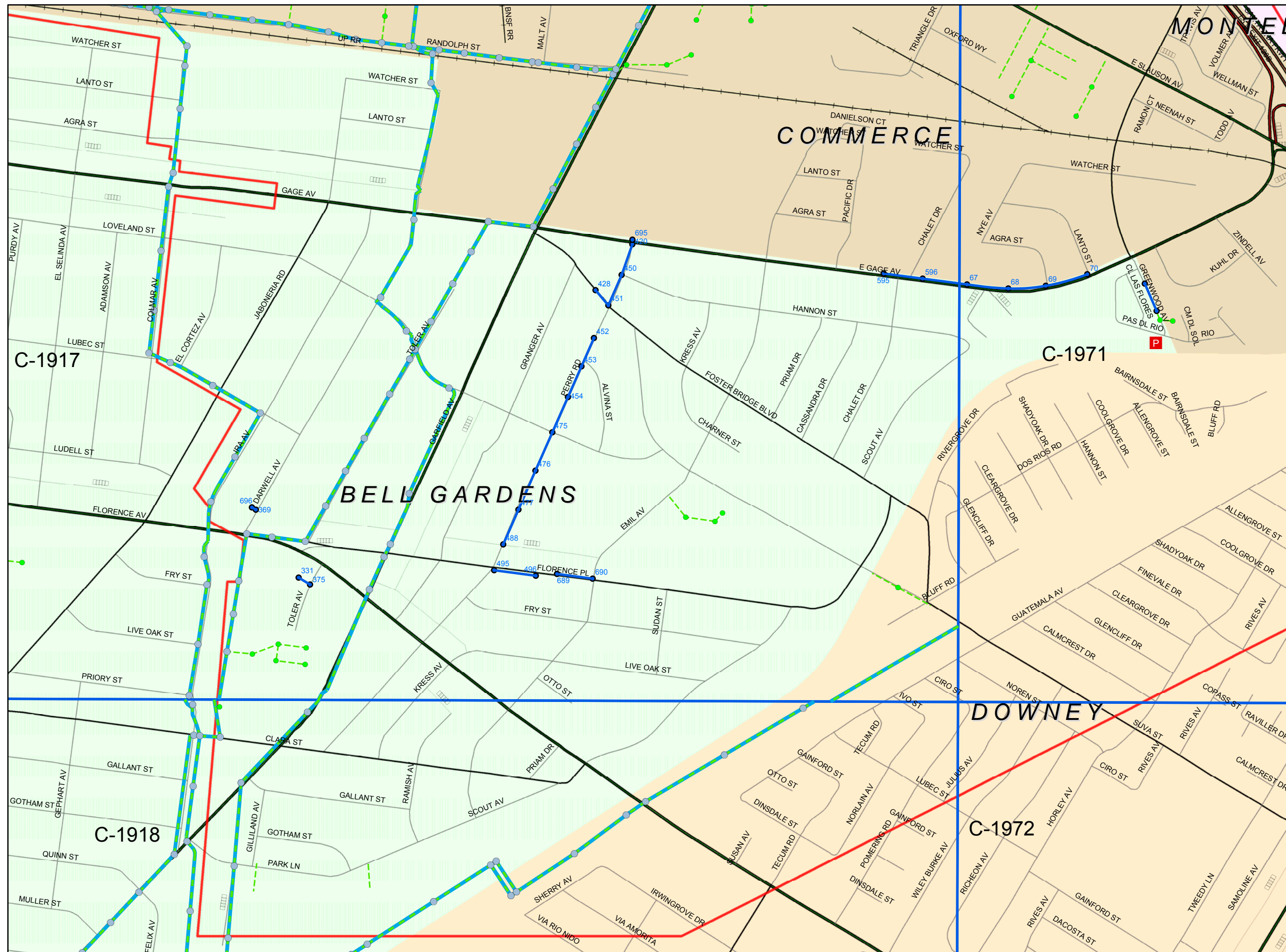
ENCLOSURE 2
HIGH WATER LEVELS
CITY OF BELL GARDENS (Y0TV0809B)
as of 01/12/09

Item No.	QMR	START MH	END MH	STREET	OBSERVATION	SAG (ft)
1	5100	1917-0369	1917-0696	Alley by DARWELL	High flow	(65%): Start-End MH
2	4631	1971-0067	1917-0596	GAGE AV	High water mark; sag (high water level)	(50%): 302'-End MH 35
3	4122	1917-0595	1917-0596	GAGE AV	High water level / mark (50%): Start - End MH	(50%): Start-End MH 330
4	4121	1971-0059	1971-0060	GREENWOOD AV	High water mark	(50%): Start-End MH
5	4121	1917-0450	1917-0451	PERRY RD	High water mark	(50%-70%): Start-End MH
6	4100	1917-0420	1917-0695	GAGE AV	High water mark	(50%): Start-End MH
7	3121	1917-0452	1917-0453	PERRY RD	High water mark	(50%): Start-End MH
8	3121	1917-0453	1917-0454	PERRY RD	High water mark	(50%): Start-End MH
9	3121	1917-0454	1917-0475	PERRY RD	High water mark	(40%-50%): Start-End MH
10	3121	1917-0475	1917-0476	PERRY RD	High water mark	(50%): Start-End MH
11	3121	1917-0476	1917-0477	PERRY RD	High water mark	(50%-65%): Start-End MH
12	3121	1917-0689	1917-0690	FLORENCE PL	High water mark	(40%): Start-End MH
13	3121	1917-0495	1917-0496	FLORENCE PL	High water mark	(40%-50%): Start-End MH
14	3100	1917-0331	1917-0375	Alley by TOLEY & FLORENCE	High water mark	(50%): 0'-15'
15	3100	1917-0477	1917-0488	PERRY RD	High water mark	(50%): Start-End MH
16	3100	1971-0067	1971-0068	GAGE AV	High water mark	(40%-50%): Start-End MH
17	3100	1971-0068	1971-0069	GAGE AV	High water mark	(50%): Start-End MH
18	3100	1971-0069	1971-0070	GAGE AV	High water mark	(40%-50%): Start-End MH
19	3100	1917-0450	1917-0420	PERRY RD	High water mark	(50%): at both MHs
20	3100	1917-0428	1917-0451	FOSTER BRIDGE BV	High water mark	(50%): 0'-30'

ENCLOSURE 2
CCTV PROJECT
Y0TV0809B

CITY OF BELL GARDENS

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
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OCTOBER 2010



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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Telephone: (626) 458-5100
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ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

August 19, 2010

Current Property Owner
3476 Marengo Ave
Altadena, CA 91001

Dear Property Owner:

SEWER LATERAL ROOT INTRUSION 3476 MARENGO AVE, ALTADENA, CALIFORNIA 91001

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 3476 Marengo Ave, Altadena, California 91001, 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 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

IN REPLY PLEASE

REFER TO FILE:

SM-1

Current Property Owner
August 19, 2010
Page 2

your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup. Failure to do so may result in future overflows and subject you to civil prosecution, reimbursement costs, and fines up to \$1,000. Reference 20.24.160 Violation - Penalty; 20.24.170 Continued violations; 20.32.690 Reimbursement for repairs and maintenance following violations.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at (626) 446-5227 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, Mr. Fernando Villaluna, Sewer Maintenance Division, at (626) 300-3380 or fvillalun@dpw.lacounty.gov.

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

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

Very truly yours,

GAIL FARBER
Director of Public Works

JOHN T. WALKER
Assistant Deputy Director
Sewer Maintenance Division

PK:

Enc.

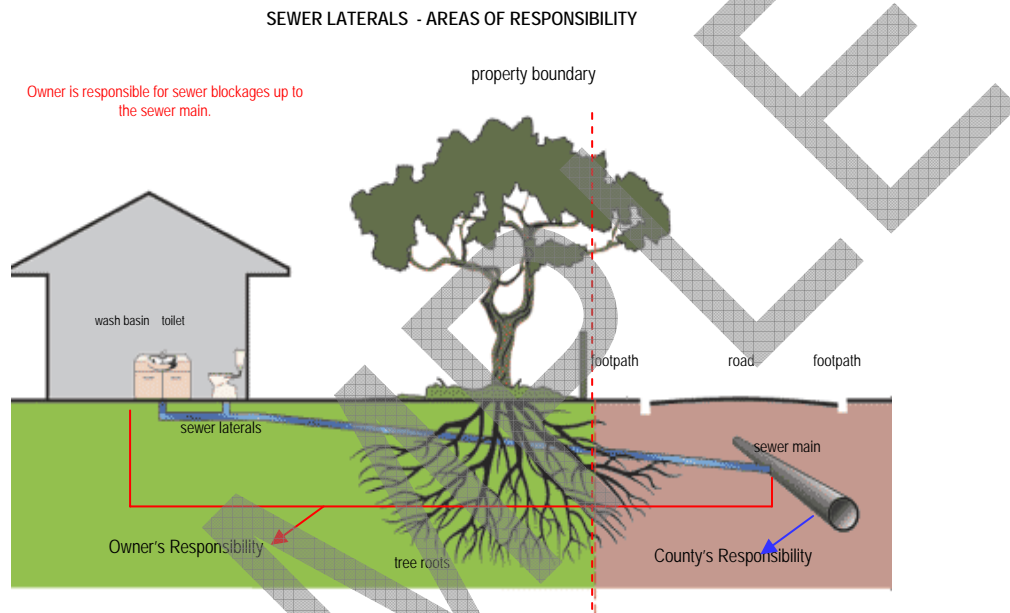
bc: JW, KL, RS, FV, RH, File (Lateral Notice), SPINDLE

3476 MARENGO AVE
ALTADENA
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 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 (Y0TV0809B)

as of 01/12/2009

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)
1	513H	1917-0497	1917-0498	FLORENCE PL	Broken (external patch); 156'; cracks: multiple locations	Lining: MH to MH	310
2	513G	1918-0226	1918-0227	SCOUT AV	Broken: 151'; cracks: multiple locations	Structural integrity in tact. No action needed.	
3	514I	1917-0244	1917-0248	JABONERIA RD	Broken with visible soil: 139'; fracture multiple: 147'-150'; corrosion: 165'-184'	Lining: MH to MH	218
4	514I	1917-0322	1917-0373	FLORENCE PL	Hole: 43'; fractures: 146'; broken near joint offset: 148'	Structural integrity in tact. No action needed.	
5	513I	1918-0129	1918-0222	GOTHAM ST	Broken: 47', fracture: 12';	Structural integrity in tact. No action needed.	
6	511I	1918-0160	1918-0161	GARFIELD AV	Hole with visible soil: 176'; joint offset: 345'	Structural integrity in tact. No action needed.	
7	5100	1918-0204	1918-0205	FLORENCE AV	Hole with visible soil: 22'	Lining: MH to MH	238
8	5100	1917-0494	1917-0686	FLORENCE PL	Hole with visible void: 29'; joint offset: 8'	Lining: MH to MH	31
9	4K3I	1917-0602	1917-0603	GAGE AV	Fractures: multiple locations	Lining: MH to MH	351
10	4G00	1917-0600	1917-0601	GAGE AV	Fractures and cracks	Structural integrity in tact. No action needed.	
11	4D3I	1971-0076	1917-0603	GAGE AV	Fractures	Structural integrity in tact. No action needed.	
12	4535	1917-0601	1917-0602	GAGE AV	Fractures	Structural integrity intact. No action needed.	
13	423H	1917-0470	1917-0647	SUVA ST	Broken with visible soil: 60'; fractures: multiple locations	Lining: MH to MH	356
14	423G	1917-0641	1917-0642	FOSTER BRIDGE BV	Fractures and cracks: multiple locations	Lining: MH to MH	289
15	423A	1971-0067	1971-0068	GAGE AV	Fractures and cracks: multiple locations	Structural integrity in tact. No action needed.	
16	423I	1917-CITY	1917-0660	SUVA ST	Fractures: 108', 135'; corrosion	Structural integrity in tact. No action needed.	
17	4200	1917-0600	1917-0693	GAGE AV	Fractures	Structural integrity in tact. No action needed.	
18	4136	1971-0067	1917-0596	GAGE AV	Fractures: 292', 325'	Lining: MH to MH	335
19	4133	1917-0449	1917-0461	GRANAGER AV	Fractures: 33', 35', 244'; cracks	Structural integrity in tact. No action needed.	
20	4132	1918-0198	1918-0208	EMIL AV	Broken: 154', fractures: 253'	Structural integrity in tact. No action needed.	
21	4132	1918-0171	1918-0170	ALLEY	Fractures: 150', 153', 156'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF BELL GARDENS (Y0TV0809B)

as of 01/12/2009

22	4132	1918-0202	1918-0203	FLORENCE AV	Fractures: 227'	Structural integrity in tact. No action needed.	
23	4132	1917-0594	1917-0595	GAGE AV	Fractures	Structural integrity in tact. No action needed.	
24	4131	1971-0086	1971-0087	Easement by SCOUT & HANNON	Broken: 112'	Lining: MH to MH	115
25	4131	1917-0429	1917-0430	FOSTER BRIDGE BV	Hole with visible soil: 9'	Structural integrity in tact. No action needed.	
26	4131	1917-0501	1917-0502	FRY ST	Fractures: 63', 235'	Structural integrity in tact. No action needed.	
27	4131	1917-0513	1917-0514	LIVE OAK ST	Fracture: 106'	Structural integrity in tact. No action needed.	
28	4123	1917-0495	1917-0496	FLORENCE PL	Fractures: 7'	Structural integrity in tact. No action needed.	
29	4121	1918-0174	1918-0175	GILLILAND AV	Broken: 34'; fracture: 110'	Structural integrity in tact. No action needed.	
30	4100	1917-0406	1917-0412	DARWELL AV	Fracture: 92'	Structural integrity in tact. No action needed.	
31	4100	1917-0270	1917-0271	COLMAR AV	Fracture: 166'	Structural integrity in tact. No action needed.	
32	4100	1917-0413	1917-0414	DARWELL AV	Fractures: 181'	Structural integrity in tact. No action needed.	
33	4100	1917-0258	1917-0435	LOVELAND ST	Fracture: 222'	Structural integrity in tact. No action needed.	
34	4100	1917-0287	1917-0302	JABONERIA RD	Fracture: 178'	Structural integrity in tact. No action needed.	
35	4100	1917-0509	1917-0510	ALLEY	Fracture: 263'	Structural integrity in tact. No action needed.	
36	4100	1918-0228	1917-0679	SCOUT AV	Broken (lateral connection): 91' ; fractures: 199'	Point Repair: 91'	
37	4100	1917-0448	1917-0449	GRANAGER AV	Fracture: 150'	Structural integrity in tact. No action needed.	
38	4100	1917-0505	1917-0669	FRY ST	Broken: 96'	Structural integrity in tact. No action needed.	
39	4100	1917-0670	1917-0671	FRY ST	Fractures: 34'	Structural integrity in tact. No action needed.	
40	4100	1917-0512	1917-0513	LIVE OAK ST	Fracture: 202'	Structural integrity in tact. No action needed.	
41	4100	1918-0216	1918-0217	CLARA ST	Hole (external patch): 193'	Structural integrity in tact. No action needed.	
42	4100	1917-0323	1917-0324	FLORENCE AV	Fractures: 85', 149'	Structural integrity in tact. No action needed.	
43	4100	1917-0529	1917-0530	PERRY RD	Fracture: 215'	Structural integrity in tact. No action needed.	
44	4100	1918-0182	1917-0530	PERRY RD	Fracture: 160'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF BELL GARDENS (Y0TV0809B)

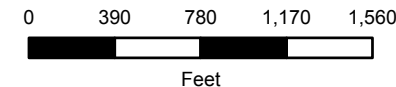
as of 01/12/2009

45	4100	1917-0524	1917-0525	FLORENCE AV	Fracture: 80'	Structural integrity in tact. No action needed.	
46	4100	1918-0202	1917-0525	FLORENCE AV	Fracture: 83'	Structural integrity in tact. No action needed.	
47	4100	1917-0598	1917-0599	GAGE AV	Fracture: 271'	Structural integrity in tact. No action needed.	
48	4100	1917-0323	1917-0374	TOLER AV	Fracture: 17'	Structural integrity in tact. No action needed.	

ENCLOSURE 3
CCTV PROJECT
Y0TV0809B

CITY OF BELL GARDENS

QUICK
STRUCTURAL
RATING
(QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

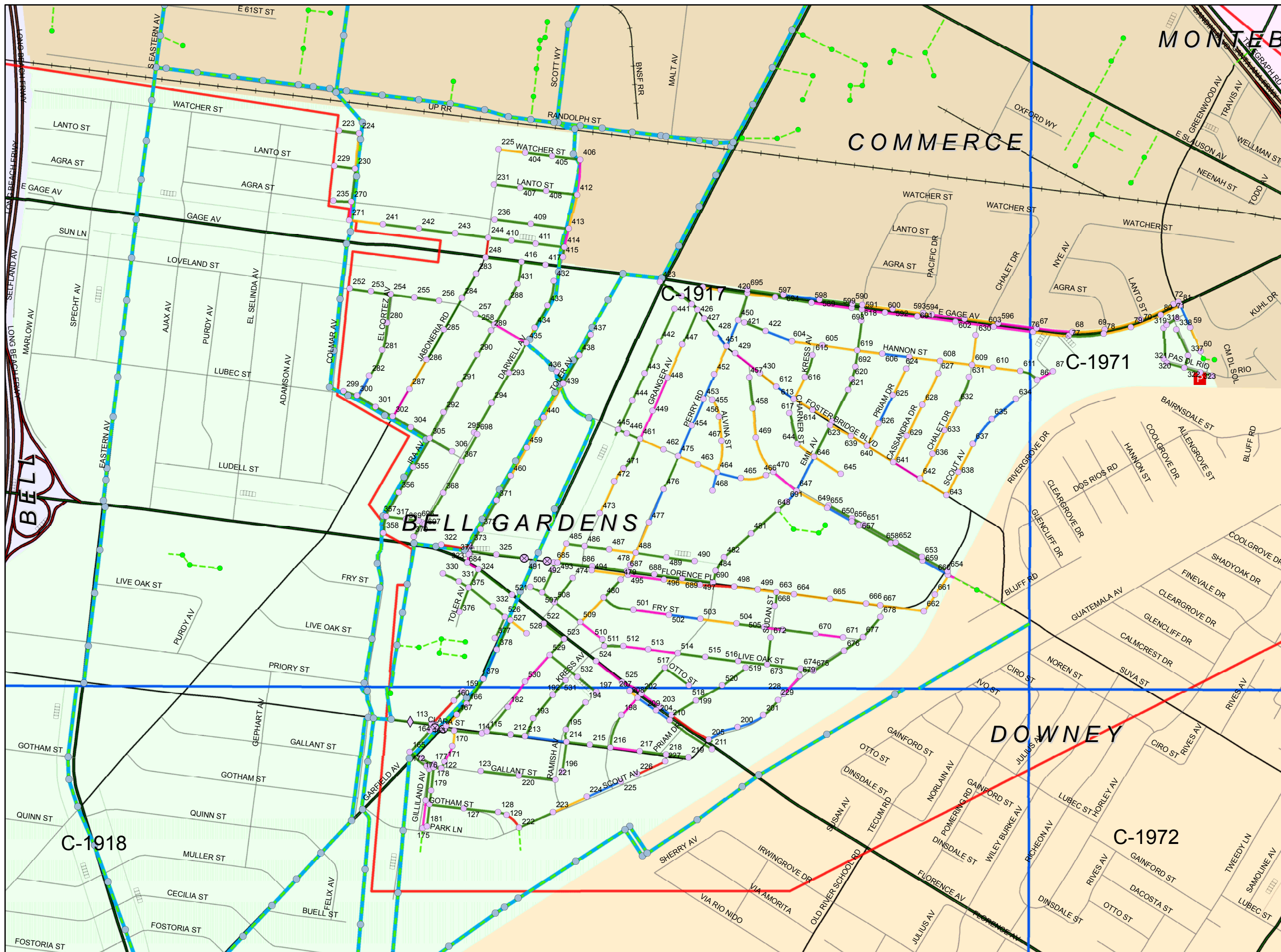
- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Treatment Plants

Maintained by Others:

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

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OCTOBER 2010



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20081114	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2235	PSR: 43181
Total Pipe Length: 279	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/14/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FLORENCE PL	Flow Control: N Not Controlled	Start MH: 1917-0497
City: BGD	Year Renewed:	End MH: 1917-0498
Location Code: C Light Highway	Tape/Media #:	pipe length: 309.22 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 279
Drain. Area: 0497/1917-0498/1917	Lining Method:
	Category:

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

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0498		23	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	3.98	Crack Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:00:50	167, b	S 3
	15.84	Crack Spiral, from 09 to 03 o'clock, within 8 inch: YES	00:01:25	169, b	S 2
	20.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:54	171	
	23.03	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:09	172	
	64.43	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:47	173, b	S 2
	72.30	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:17	175	
	72.69	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:04:28	176, b	S 3
	77.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:58	178	
	81.44 S1	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES, start	00:05:19	179, b	S 3
	123.81	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:56	181	
	132.16	Tap Break-In Active, at 09 o'clock, 4", within 8 inch: YES	00:07:21	182	
	137.99	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:44	183	
	157.04	Broken, from 08 to 04 o'clock, within 8 inch: YES	00:08:49	184, b	S 5
	157.04	Repair Other, from 08 to 04 o'clock, within 8 inch: YES	00:09:05	186, b	
	280.94	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:38	188	
	305.04 F1	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES, end	00:14:35	189, b	S 3
	309.22	Downstream Manhole, Survey Ends 1917-0497	00:15:15	191	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513H	2200	150	4	154	3	2	2.96



Inspection report

Date: 20081126	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2284	PSR: 37061
Total Pipe Length: 298	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/26/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: SCOUT AV	Flow Control: N Not Controlled	Start MH: 1918-0226
City: BGD	Year Renewed:	End MH: 1918-0227
Location Code: D Easement/Right of Way	Tape/Media #:	pipe length: 282.05 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 298
Drain. Area: 0226/1918-0227/1918	Lining Method:
	Category:

Remark: **MSA CAMERA BLKD /EASEMENT CANNOT CLEAN**

1:700	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1918-0227		94	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	2.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:54	95	
	11.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:23	96	
	14.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:34	97	
	25.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:03	98	
	37.30	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:02:31	99, b	S 3
	75.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:49	101	
	85.90	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:04:16	102, b	S 3
	88.90	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, start	00:04:35	104, b	S 3
	105.40	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:17	106	
	110.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:33	107	
	151.15	Broken Void Visible, from 04 to 08 o'clock, within 8 inch: YES	00:06:49	108, b	S 5
	174.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:49	110	
	188.85	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:20	111	
	213.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:24	112	
	242.95	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:26	113	
	248.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:44	114	
	282.05 F1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, end	00:13:53	115	S 3
	282.05	Survey Abandoned, Remark: CAMERA BLKD	00:14:01	116	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
513G	2200	128	4	132	3.05	2	3



Inspection report

Date: 20081105	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 1930	PSR: 43376
Total Pipe Length: 193	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/05/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: JABONERIA RD	Flow Control: N Not Controlled	Start MH: 1917-0244
City: BGD	Year Renewed:	End MH: 1917-0248
Location Code: C Light Highway	Tape Media #:	pipe length: 217.35 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 193
Drain. Area: 0244/1917-0248/1917	Lining Method:
	Category:

Remark.: **None**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0244		27401	
	0.00	Water Level, 15' of cross sectional area			M 2
	0.00	Water Mark, 15' of cross sectional area			M 2
	113.55	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:34	27402	
	122.38	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:58	27403	
	139.95	Broken, from 09 to 03 o'clock, within 8 inch: YES	00:05:50	27404, b	S 5
	150.79	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:27	27406, b	S 4
	217.35	Downstream Manhole, Survey Ends 1917-0248	00:08:38	27408	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	9	4	13	4.5	2	3.25



Inspection report

Date: 20090109	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J,SALAS	section number: 2993	PSR: 43317
Total Pipe Length: 274	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/09/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FLORENCE PL	Flow Control: N Not Controlled	Start MH: 1917-0322
City: BGD	Year Renewed:	End MH: 1917-0373
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 152.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 274
Drain. Area: 0322/1917-0373/1917	Lining Method:
	Category:

Remark: **NONE**

1:375	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0322	00:00:00	36	
	0.00	Water Level, 0' of cross sectional area	00:01:12		M 2
	0.00	Water Mark, 5' of cross sectional area	00:00:00		M 2
	5.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:51	37	
	43.60	Hole Soil Visible, at 03 o'clock, within 8 inch: YES	00:02:11	38, b	S 5
	54.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:50	40	
	102.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:14	41	
	135.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:13	42	
	146.20	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:40	43, b	S 4
	152.20	Downstream Manhole, Survey Ends 1917-0373	00:06:33	45	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	9	4	13	4.5	2	3.25



Inspection report

Date: 20081119	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2514	PSR: 37910
Total Pipe Length: 169	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: GOTHAM ST	Flow Control: N Not Controlled	Start MH: 1918-0129
City: BLGD	Year Renewed:	End MH: 1918-0222
Location Code: C Light Highway	Tape Media #:	pipe length: 339.23 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 169
Drain. Area: 0129/1918-0222/1918	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0222		33632	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	12.35	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:21	33633	
	47.49	Broken, from 05 to 09 o'clock, within 8 inch: YES	00:02:23	33634, b	S 5
	48.49	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:37	33636	
	50.90	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:47	33637	
	99.19	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:07	33638	
	104.71	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:26	33639	
	146.78	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:40	33640	
	149.29	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:54	33641	
	200.49	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:12	33642	
	248.37	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:36	33643	
	250.98	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:48	33644	
	293.05	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:05	33645	
	301.68	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:27	33646	
	306.20	Crack Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:10:41	33647, b	S 3
	339.23	Downstream Manhole, Survey Ends 1918-0129	00:15:56	33649	

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



Inspection report

Date: 20081126	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2465	PSR: 37087
Total Pipe Length: 324	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/26/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1918

Street: GARFIELD AV	Flow Control: N Not Controlled	Start MH: 1918-0160
City: BGD	Year Renewed	End MH: 1918-0161
Location Code: F Sidewalk	Tape:Media ☐	pipe length: 361.32 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 324
Drain. Area: 0160/1918-0161/1918	Lining Method:
	Category:

Remark:: **None**

1:900	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0160		13	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	9.34	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:01:28	14, b	
	16.46	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:14	16	
	17.97	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:02:27	17, b	
	62.24	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:55	19	
	75.60	Roots Fine Joint, from 07 to 10 o'clock, within 8 inch: YES	00:04:25	20, b	
	113.75	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:34	22	
	118.06	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:05:50	23, b	
	165.85	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:07:25	25	
	176.69	Hole Soil Visible, from 08 to 10 o'clock, within 8 inch: YES	00:07:52	26, b	S 5
	214.34	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:06	28	
	263.33	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:33	29	
	302.59	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:11:46	30	
	345.45	Joint Offset Medium	00:13:10	31, b	S 1
	361.32	Downstream Manhole, Survey Ends 1918-0161	00:14:32	33	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5111	2200	6	4	10	3	2	2.5



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

Inspection report

Date: 20081119	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2520	PSR: 37894
Total Pipe Length: 428	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: FLORENCE AV	Flow Control: N Not Controlled	Start MH: 1918-0204
City: BLGD	Year Renewed:	End MH: 1918-0205
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 237.73 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 428
Drain. Area: 0204/1918-0205/1918	Lining Method:
	Category:

Remark.: **A THE FLOW**

1:600	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1918-0204		48	
	0.00	Water Level, 10 # of cross sectional area			M 2
	0.00	Water Mark, 10 # of cross sectional area			M 2
	22.79	Hole Soil Visible, from 10 to 03 o'clock, within 8 inch: YES	00:02:06	49, b	S 5
	52.31	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:00	51	
	97.98	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:09	52	
	140.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:18	53	
	199.08	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:59	54	
	237.73	Upstream Manhole, Survey Ends 1918-0205	00:08:07	55	

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



Inspection report

Date: 20090105	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2959	PSR: 43165
Total Pipe Length: 370	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid ☐: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0602
City: BGD	Year Renewed	End MH: 1917-0603
Location Code: A Main Highway - Urban	Tape:Media ☐	pipe length: 351.68 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 370
Drain. Area: 0602/1917-0603/1917	Lining Method:
	Category:

Remark.: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0603		23	
	0.00	Water Level, 10 ☐ of cross sectional area			M 2
	0.00	Water Mark, 0 ☐ of cross sectional area			M 2
	5.82	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:00:54	24, b	S 3
	31.93	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:51	26	
	49.59	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:02:33	27	
	57.22	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:02:54	28, b	S 4
	59.43	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:23	30, b	S 4
	63.05 S1	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, start	00:03:44	32, b	S 4
	91.26	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:04:59	34, b	
	101.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:30	36	
	125.89	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:06:19	37	
	299.98	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:29	38	
	317.85	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:06	39	
	331.10	Roots Fine Joint, from 03 to 04 o'clock, within 8 inch: YES	00:12:35	40, b	
	351.28 F1	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, end	00:13:23		S 4
	351.68	Downstream Manhole, Survey Ends 1917-0602	00:13:29	42	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4K31	2200	243	4	247	3.98	2	3.92



Inspection report

Date: 20090105	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2956	PSR: 43162
Total Pipe Length: 313	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0600
City: BGD	Year Renewed:	End MH: 1917-0601
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 350.88 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 313
Drain. Area: 0600/1917-0601/1917	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0601		82	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 20' of cross sectional area			M 2
	10.84	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:25	83	
	47.69	Roots Ball Joint, from 09 to 03 o'clock, 10' , within 8 inch: YES	00:03:17	84, b	
	51.50	Roots Fine Joint, from 08 to 11 o'clock, within 8 inch: YES	00:03:33	86, b	
	54.41	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, start	00:03:45	88, b	
	62.65	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:13	90	
	83.63	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:01	91	
	94.37	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:05:31	92, b	S 4
	116.26	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:06:29	94, b	
	137.04	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:42	96, b	S 4
	146.27	Fracture Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:09:22	98, b	S 4
	148.58	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:09:39	100, b	S 4
	158.62	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, start	00:10:43	102, b	S 4
	159.73	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:59	104	
	161.23	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, end	00:11:09	105	
	236.43	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:19	106	
	300.78	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:15:22	107	
	350.17	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, end	00:17:02		S 4
	350.88	Downstream Manhole, Survey Ends 1917-0600	00:17:08	108	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4G00	2200	168	4	172	4	2	3.91



Inspection report

Date: 20090105	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2960	PSR: 43166
Total Pipe Length: 383	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid ☐ 1971

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1971-0076
City: BGD	Year Renewed	End MH: 1917-0603
Location Code: A Main Highway - Urban	Tape:Media ☐	pipe length: 351.68 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 383
Drain. Area: 0076/1971-0603/1917	Lining Method:
	Category:

Remark:: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0603		1	
	0.00	Water Level, 10 ☐ of cross sectional area			M 2
	0.00	Water Mark, 20 ☐ of cross sectional area			M 2
	13.05	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:01:28	2, b	S 4
	16.06	Fracture Circumferential, from 10 to 02 o'clock, within 8 inch: YES	00:01:46	4, b	S 2
	24.30	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:16	6	
	42.57	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:05	7	
	64.45	Fracture Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:04:02	8, b	S 4
	69.87	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:38	10	
	76.30	Fracture Longitudinal, at 02 o'clock, within 8 inch: YES	00:05:04	11, b	S 3
	95.37 S1	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, start	00:05:53	13, b	S 4
	128.10	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:13	15	
	167.86	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:08:35	16	
	176.59	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:35	17	
	209.92	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:44	18	
	216.65 F1	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES, end	00:11:06		S 4
	246.67	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:12:00	19	
	286.02	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:13:15	20	
	316.14	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:14:22	21	
	351.68	Upstream Manhole, Survey Ends 1971-0076	00:15:36	22	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4D31	2200	109	4	113	3.89	2	3.77



Inspection report

Date: 20090105	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2958	PSR: 43164
Total Pipe Length: 373	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0601
City: BGD	Year Renewed:	End MH: 1917-0602
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 352.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 373
Drain. Area: 0601/1917-0602/1917	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0602		43	
	0.00	Water Level, 10 of cross sectional area			M 2
	0.00	Water Mark, 20 of cross sectional area			M 2
	13.75	Roots Fine Joint, from 08 to 10 o'clock, within 8 inch: YES	00:00:58	44, b	
	24.09	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:25	46	
	36.14	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:54	47	
	66.06	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:02:49	48	
	70.07	Roots Fine Joint, from 11 to 03 o'clock, within 8 inch: YES	00:03:04	49, b	
	98.49	Crack Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:04:08	51, b	S 3
	105.41	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES, Remark: Roots	00:04:34	53	
	107.02	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:04:45	54, b	S 4
	121.78 S1	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES, start	00:05:20	56, b	
	141.86	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:10	58	
	175.09	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:14	59	
	209.72	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:08:22	60	
	211.23	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:34	61	
	221.97	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:05	62, b	S 3
	253.59	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:21	64	
	255.60 F1	Roots Fine Joint, from 09 to 03 o'clock, within 8 inch: YES, end	00:10:30	65	
	301.18	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:11:59	66, b	S 4



Inspection report

Date: 20090105	P.O. # Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2958	PSR: 43164
Total Pipe Length: 373	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid # 1917

1:726	position	observation	MPEG	photo	grade
	<u>307.41</u>	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:12:29	68, b	S 3
	<u>310.72</u>	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:12:53	70, b	S 3
	<u>313.83</u>	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:13:58	72, b	S 3
	<u>323.77</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:14:35	74	
	<u>328.29</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:14:53	75, b	S 4
	<u>334.81</u>	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:15:26	77, b	S 4
	<u>343.65</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:15:56	79, b	S 4
	<u>352.38</u>	Downstream Manhole, Survey Ends 1917-0601	00:16:30	81	



Inspection report

Date: 20081125	P.O. # Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2172	PSR: 43261
Total Pipe Length: 273	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/25/2008	Pre-Cleaned: J Jetting	Map Grid # 1917

Street: SUVA ST	Flow Control: N Not Controlled	Start MH: 1917-0470
City: BGD	Year Renewed	End MH: 1917-0647
Location Code: C Light Highway	Tape Media #	pipe length: 355.45 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 273
Drain. Area: 0470/1917-0647/1917	Lining Method:
	Category:

Remark: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0470		463	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	6.70	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:00:48	464, b	S 3
	56.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:37	466	
	60.45	Fracture Multiple, from 06 to 09 o'clock, within 8 inch: YES	00:02:51	467, b	S 4
	63.35	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:03:08	469, b	S 3
	108.25	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:04:48	471, b	S 4
	124.70	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:32	473	
	131.95	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:56	474, b	S 3
	140.55	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:06:23	476, b	S 3
	145.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:44	478	
	146.05	Crack Multiple, from 11 to 06 o'clock, within 8 inch: YES	00:06:54	479, b	S 3
	149.45 S1	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES, start	00:07:14	481, b	S 3
	201.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:14	483	
	218.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:08	484	
	260.25	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:45	485	
	268.90	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:12:08	486	
	351.95 F1	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES, end	00:15:35	487	S 3
	355.45	Downstream Manhole, Survey Ends 1917-0647	00:16:05	488	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423H	2200	146	4	150	3.04	2	3



Inspection report

Date: 20081110	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2104	PSR: 37999
Total Pipe Length: 303	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/10/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1917

Street: FOSTER BRIDGE BV	Flow Control: N Not Controlled	Start MH: 1917-0641
City: BGD	Year Renewed	End MH: 1917-0642
Location Code: C Light Highway	Tape:Media ☐	pipe length: 288.43 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 303
Drain. Area: 0641/1917-0642/1917	Lining Method:
	Category:

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

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0642		144	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	32.46	Roots Fine Joint, from 03 to 10 o'clock, within 8 inch: YES	00:01:48	146, b	
	40.23	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:12	148	
	49.56	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:02:46	149, b	S 3
	61.13	Fracture Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:03:20	151, b	S 4
	63.94	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:03:32	153, b	S 4
	87.56	Roots Ball Connection, from 08 to 10 o'clock, 80 ☐, within 8 inch: YES	00:04:39	155, b	M 4
	89.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:02	157	
	92.71 S1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, start	00:05:17	158, b	S 3
	114.77	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:17	160	
	134.79	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:05	161	
	181.04	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:51	162	
	200.67	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:47	163	
	232.26	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:05	164	
	281.33	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:12:57	165	
	284.73 F1	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES, end	00:13:14	166, b	S 3
	288.43	Downstream Manhole, Survey Ends 1917-0641	00:13:48	168	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423G	4122	125	8	133	3.05	2.67	3.02



Inspection report

Date: 20090109	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 3016	PSR: 36543
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/09/2009	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐: 1971

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1971-0067
City: BGD	Year Renewed	End MH: 1971-0068
Location Code: C Light Highway	Tape:Media ☐ 010909	pipe length: 293.28 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 3ft
Drain. Area: 0067/1971-0068/1971	Lining Method:
	Category:

Remark:: **Cracks**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0068	00:00:22	110	
	<u>0.00</u>	Water Level, 10 ☐ of cross sectional area	00:00:42	111	M 2
	<u>0.00</u>	Water Mark, 40 ☐ of cross sectional area	00:00:47	112	M 3
	8.07	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:01:31	113	
	<u>9.43</u>	Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:01:52	114, b	S 3
	<u>12.44</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:22	116, b	S 2
	<u>39.65</u>	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:03:38	118, b	S 4
	49.76	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:04:21	120	
	<u>54.03</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:04:41	121, b	S 2
	<u>107.58</u>	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:06:49	123, b	S 3
	108.55	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:07:13	125, b	
	<u>119.24</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:56	127, b	S 3
	<u>140.42</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:09:03	129, b	S 3
	159.57	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:10:09	131, b	
	<u>161.02</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:10:36	133, b	S 3
	<u>203.39</u>	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:12:15	135, b	S 4
	207.48	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:12:46	137, b	
	<u>224.29</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:13:42	139, b	S 3
	225.07	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:14:09	141, b	
	<u>229.73</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:14:42	143, b	S 3
	<u>241.78</u>	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:15:30	145, b	S 3
	<u>250.72</u>	Crack Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:16:14	147, b	S 3
	<u>286.97</u>	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:17:39	149, b	S 3
	293.28	Downstream Manhole, Survey Ends 1971-0067	00:18:26	151	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
423A	3121	42	5	47	3	2.5	2.94



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Inspection report

Date: 20081231	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2943	PSR: 37960
Total Pipe Length: 45	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 12/31/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1917

Street: SUVA ST	Flow Control: N Not Controlled	Start MH: 1917-0660
City: BGD	Year Renewed:	End MH: 1917-CITY
Location Code: C Light Highway	Tape/Media #:	pipe length: 23.99 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 45
Drain. Area: 0660/1917-CITY/1917	Lining Method:
	Category:

Remark.: **None**

1:75	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-CITY		44	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
	23.19	Material Change, ZZZ Other	00:03:10	45, b	
	23.99	Survey Abandoned, Remark: CAMARA BLOCKED	00:06:19	47, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	2200	0	4	4	0	2	2



Inspection report

Date: 20081231	P.O. #: YOTV0809B	Weather: 1 Dry	Surveyed By: R. Ruiz	section number: 2936	PSR: 37960
Total Pipe Length:	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 12/31/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: SUVA ST	Flow Control: N Not Controlled	Start MH: 1917-CITY
City: BGD	Year Renewed:	End MH: 1917-0660
Location Code: C Light Highway	Tape/Media #:	pipe length: 142.96 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length:
Drain. Area: 0660/1917-CITY/1917	Lining Method:
	Category:

Remark: **REVERSED**

1:350	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0660		51	
	0.00	Water Level, 15 % of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
	40.76	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:40	52, b	S 3
	43.87	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:07	54, b	S 2
	108.73	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:04:23	56, b	S 4
	135.63	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:25	58, b	S 4
	142.96	Survey Abandoned, Remark: REVERSED COMPLETED	00:07:15	60, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2200	13	4	17	3.25	2	2.83



Inspection report

Date: 20090105	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2957	PSR: 43163
Total Pipe Length: 224	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0600
City: BGD	Year Renewed:	End MH: 1917-0693
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 278.49 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 224
Drain. Area: 0600/1917-0693/1917	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:700	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0693		111	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 20 % of cross sectional area			M 2
	73.39	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:41	112	
	77.10	Fracture Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:02:54	113, b	S 4
	134.43	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:25	115	
	214.34	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:54	116	
	217.95	Fracture Multiple, from 09 to 01 o'clock, within 8 inch: YES	00:07:11	117, b	S 4
	272.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:52	119	
	278.49	Upstream Manhole, Survey Ends 1917-0600	00:09:23	120	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	2200	8	4	12	4	2	3



Inspection report

Date: 20080109	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 3015	PSR: 43387
Total Pipe Length: 372	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/09/2009	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐: 1971

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1971-0067
City: BGD	Year Renewed	End MH: 1917-0596
Location Code: C Light Highway	Tape:Media ☐ 010909	pipe length: 334.78 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 3ft
Drain. Area: 0067/1971-0596/1917	Lining Method:
	Category:

Remark:: **Cracks,Sag**

1:759	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1971-0067	00:00:19	152	
	0.00	Water Level, 10 ☐ of cross sectional area	00:00:54	153	M 2
	0.00	Water Mark, 45 ☐ of cross sectional area	00:00:58	154	M 3
	3.01	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:01:29	155, b	S 3
	6.90	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:02:00	157, b	
	38.48	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:03:27	159, b	
	53.64	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES, Remark: Dirt inside	00:04:21	161, b	
	127.89	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:06:41	163	
	129.44	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:10	164, b	S 3
	171.81	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:08:58	166, b	S 3
	172.78	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:09:25	168	
	223.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:12:10	169	
	240.42	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:12:51	170, b	S 3
	268.70	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:13:56	172	
	270.06	Crack Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:14:12	173, b	S 3
	289.40	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:15:01	175, b	S 3
	292.60	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:15:27	177, b	S 4
	298.63	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:15:58	179, b	S 2
	302.61	Water Level, 25 ☐ of cross sectional area	00:16:25	181	M 2
	308.83	Water Mark, 55 ☐ of cross sectional area	00:16:52	182	M 4
	309.12 S1	Water Level, Sag in pipe, 55 ☐ of cross sectional area, start	00:17:07	183	M 4
	314.76	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:17:33	184	

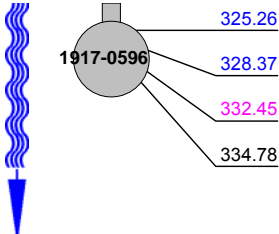


WinCan America, Inc.
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Inspection report

Date: 20080109	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: T.GLOCK	section number: 3015	PSR: 43387
Total Pipe Length: 372	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/09/2009	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐ 1971

1:759	position	observation	MPEG	photo	grade
	<u>325.26</u>	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:18:24	185, b	S 2
	<u>328.37</u>	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:18:57	187, b	S 2
	<u>332.45</u> F1	Water Level, Sag in pipe, 55 ☐ of cross sectional area, end	00:19:28	189	M 4
	<u>334.78</u>	Downstream Manhole, Survey Ends 1917-0596	00:19:58	190	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4136	4631	28	31	59	2.8	3.44	3.11



Inspection report

Date: 20081112	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2489	PSR: 43241
Total Pipe Length: 296	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/12/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GRANAGER AV	Flow Control: N Not Controlled	Start MH: 1917-0449
City: BGD	Year Renewed:	End MH: 1917-0461
Location Code: C Light Highway	Tape Media #:	pipe length: 330.15 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 296
Drain. Area: 0449/1917-0461/1917	Lining Method:
	Category:

Remark: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0449		33291	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	16.33	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:27	33292	
	33.37	Crack Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:02:22	33293, b	S 3
	33.87	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:47	33295	
	35.47	Crack Circumferential, from 06 to 10 o'clock, within 8 inch: YES	00:02:58	33296, b	S 1
	77.95	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:04:19	33298, b	S 3
	78.96	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:31	33300	
	96.69	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:14	33301	
	98.09	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:05:27	33302, b	S 3
	123.34	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:35	33304	
	171.44	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:11	33305	
	191.98	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:08	33306	
	233.06	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:14:46	33307	
	235.56	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:15:39	33308	
	244.78	Fracture Multiple, from 06 to 11 o'clock, within 8 inch: YES	00:16:51	33309, b	S 4
	244.88	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:17:06	33311	
	247.19	Roots Fine Joint, from 02 to 04 o'clock, within 8 inch: YES	00:11:10	33312, b	
	253.70	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:11:43	33314	
	330.15	Downstream Manhole, Survey Ends 1917-0461	00:13:58	33315	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	14	4	18	2.8	2	2.57



Inspection report

Date: 20081120	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2525	PSR: 37655
Total Pipe Length: 280	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/20/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1918

Street: EMIL AV	Flow Control: N Not Controlled	Start MH: 1918-0198
City: BGD	Year Renewed	End MH: 1918-0208
Location Code: C Light Highway	Tape:Media ☐	pipe length: 330.5 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 280
Drain. Area: 0198/1918-0208/1918	Lining Method:
	Category:

Remark.: **None**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0208		33757	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	14.76	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:01:16	33758, b	S 3
	101.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:03	33760	
	103.91	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:15	33761	
	154.00	Fracture Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:05:55	33762, b	S 4
	182.72	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:56	33764	
	221.77	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:05	33765	
	239.44	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:44	33766	
	253.29	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:13	33767, b	S 3
	254.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:34	33769	
	281.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:24	33770	
	308.11	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:16	33771	
	330.50	Downstream Manhole, Survey Ends 1918-0198	00:12:22	33772	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	10	4	14	3.33	2	2.8



Inspection report

Date: 20081125	P.O. #: YOTV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2568	PSR: 46606
Total Pipe Length:	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/25/2008	Pre-Cleaned: J Jetting	Map Grid #:

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1918-0171
City: BGD	Year Renewed:	End MH: 1918-0170
Location Code: H Alley	Tape Media #:	pipe length: 200.89 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 5ft
Drain. Area: 0170/1918-0171/1918	Lining Method:
	Category:

Remark: **NOT ON MDB**

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0171		34216	
	0.00	Water Level, 15' of cross sectional area			M 2
	0.00	Water Mark, 20' of cross sectional area			M 2
	4.32	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:23	34217, b	S 3
	14.36	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:59	34219	
	71.48	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:40	34220	
	131.42	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:35	34221	
	133.82	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:47	34222	
	150.09	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:06:21	34223, b	S 4
	153.40	Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:06:41	34225, b	S 3
	169.57	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:19	34227	
	200.89	Downstream Manhole, Survey Ends 1918-0170	00:08:42	34228	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	10	4	14	3.33	2	2.8



Inspection report

Date: 20081201	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2587	PSR: 37891
Total Pipe Length: 191	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 12/01/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: FLORENCE AV	Flow Control: N Not Controlled	Start MH: 1918-0202
City: BGD	Year Renewed:	End MH: 1918-0203
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 351.18 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 191
Drain. Area: 0202/1918-0203/1918	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0203		34353	
	0.00	Water Level, 5" of cross sectional area			M 2
	0.00	Water Mark, 10" of cross sectional area			M 2
	20.88	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:18	34354	
	28.41	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:01:40	34355, b	S 4
	38.75	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:13	34357	
	86.84	Crack Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:03:52	34358, b	S 3
	150.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:52	34360	
	193.56	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:07:27	34361	
	226.89	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:44	34362	
	227.99	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:08:54	34363, b	S 3
	351.18	Downstream Manhole, Survey Ends 1918-0202	00:13:02	34365	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	10	4	14	3.33	2	2.8



Inspection report

Date: 20081229	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2899	PSR: 43156
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 12/29/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0594
City: BGD	Year Renewed	End MH: 1917-0595
Location Code: A Main Highway - Urban	Tape:Media ☐	pipe length: 351.48 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 10/10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 319
Drain. Area: 0594/1917-0595/1917	Lining Method:
	Category:

Remark:: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0595		41	
	0.00	Water Level, 20 ☐ of cross sectional area			M 2
	0.00	Water Mark, 25 ☐ of cross sectional area			M 2
	12.95	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:18	42	
	70.78	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: YES	00:03:17	43	
	81.02	Roots Fine Joint, from 01 to 04 o'clock, within 8 inch: YES	00:03:43	44, b	
	100.19 S1	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, start	00:04:36	46, b	
	119.77	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:21	48	
	130.71	Fracture Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:05:48	49, b	S 4
	171.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:07:29	51	
	190.35 F1	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES, end	00:08:25		
	204.30	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:08:57	52, b	S 1
	220.57	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:42	54	
	237.43	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:10:21	55, b	S 2
	266.24	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:28	57	
	283.21	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:12:14	58, b	S 3
	321.76	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:14:06	60	
	326.88	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:14:24	61, b	S 3
	351.48	Downstream Manhole, Survey Ends 1917-0594	00:15:23	63	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	13	4	17	2.6	2	2.43



Inspection report

Date: 20081112	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2216	PSR: 36553
Total Pipe Length: 172	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/12/2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1971

Street: 0	Flow Control: N Not Controlled	Start MH: 1971-0086
City: BGD	Year Renewed	End MH: 1971-0087
Location Code: D Easement/Right of Way	Tape:Media ☐	pipe length: 115.55 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 172
Drain. Area: 0086/1971-0087/1971	Lining Method:
	Category:

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

1:300	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1971-0086		2	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	1.55	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:00:58	12, b	S 3
	4.08	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:13	14	
	39.16	Crack Spiral, from 07 to 09 o'clock, within 8 inch: YES	00:02:37	15, b	S 2
	44.31	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:00	17	
	75.41	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:06	18	
	83.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:33	19	
	109.33	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:35	20	
	112.92	Broken, from 04 to 06 o'clock, within 8 inch: YES	00:06:05	21, b	S 4
	115.55	Upstream Manhole, Survey Ends 1971-0087	00:06:52	23	

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



Inspection report

Date: 20081113	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2217	PSR: 43222
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/13/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FOSTER BRIDGE BV	Flow Control: N Not Controlled	Start MH: 1917-0429
City: BGD	Year Renewed:	End MH: 1917-0430
Location Code: F Sidewalk	Tape Media <input type="checkbox"/>	pipe length: 248.49 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 306
Drain. Area: 0429/1917-0430/1917	Lining Method:
	Category:

Remark.: **NONE**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0429		9	
	0.00	Water Level, 0 of cross sectional area			M 2
	0.00	Water Mark, 0 of cross sectional area			M 2
	4.96	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:51	68	
	7.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:03	69	
	9.91	Broken, from 01 to 03 o'clock, within 8 inch: YES	00:01:16	70, b	S 4
	36.44	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:11	72	
	50.63	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:44	73	
	57.92	Crack Spiral, from 07 to 11 o'clock, within 8 inch: YES	00:03:09	74, b	S 2
	115.16	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:49	76	
	125.07	Crack Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:05:22	77, b	S 3
	126.33	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:37	79	
	155.49	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:39	80	
	176.67	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:07:31	81, b	S 2
	202.62	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:23	83	
	237.70	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:34	84	
	248.49	Downstream Manhole, Survey Ends 1917-0430	00:10:16	85	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	11	4	15	2.75	2	2.5



Inspection report

Date: 20081114	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2495	PSR: 43188
Total Pipe Length: 345	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/14/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1917

Street: FRY ST	Flow Control: N Not Controlled	Start MH: 1917-0501
City: BGD	Year Renewed	End MH: 1917-0502
Location Code: C Light Highway	Tape:Media ☐	pipe length: 348.07 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 345
Drain. Area: 0501/1917-0502/1917	Lining Method:
	Category:

Remark:: **A THE FLOW**

1:850	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0501		96	
	<u>0.00</u>	Water Level, 10 ☐ of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 10 ☐ of cross sectional area			M 2
	<u>23.69</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:28	97	
	<u>35.34</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:58	98	
	<u>63.45</u>	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:02:57	99, b	S 2
	<u>64.85</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:03:11	101, b	S 4
	<u>70.88</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:31	103	
	<u>73.49</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:40	104	
	<u>96.68</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:04:18	105	
	<u>105.21</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:37	106	
	<u>143.76</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:53	107	
	<u>176.19</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:56	108	
	<u>193.56</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:33	109	
	<u>196.17</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:07:46	110	
	<u>235.93</u>	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:09:15	111, b	S 3
	<u>243.86</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:54	113	
	<u>249.08</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:19	114	
	<u>296.66</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:59	115	
	<u>311.22</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:41	116	
	<u>348.07</u>	Upstream Manhole, Survey Ends 1917-0502	00:14:04	117	

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



Inspection report

Date: 20081117	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2505	PSR: 43204
Total Pipe Length: 288	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/17/2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1917

Street: LIVE OAK ST	Flow Control: N Not Controlled	Start MH: 1917-0513
City: BGD	Year Renewed	End MH: 1917-0514
Location Code: C Light Highway	Tape:Media ☐	pipe length: 227.37 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 288
Drain. Area: 0513/1917-0514/1917	Lining Method:
	Category:

Remark.: **NONE**

1:575	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0514		33533	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	59.15	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:08	33534	
	106.65	Fracture Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:03:33	33535, b	S 4
	111.47	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:50	33537	
	122.12	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:04:15	33538, b	S 3
	144.92	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:04	33540	
	178.26	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:03	33541	
	211.80	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:54	33542	
	220.54	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:17	33543	
	227.37	Downstream Manhole, Survey Ends 1917-0513	00:08:36	33544	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	7	4	11	3.5	2	2.75



Inspection report

Date: 20081203	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 2435	PSR: 43178
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 12/03/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FLORENCE PL	Flow Control: N Not Controlled	Start MH: 1917-0495
City: BGD	Year Renewed:	End MH: 1917-0496
Location Code: C Light Highway	Tape/Media #:	pipe length: 276.15 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0495/1917-0496/1917	Lining Method:
	Category:

Remark: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0496		1	
	0.00	Water Level, 5" of cross sectional area			M 2
	0.00	Water Mark, 40" of cross sectional area			M 3
	7.75	Fracture Multiple, from 02 to 06 o'clock, within 8 inch: YES	00:00:54	2, b	S 4
	25.20	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:40	4	
	43.55	Crack Spiral, from 10 to 02 o'clock, within 8 inch: YES	00:02:23	5, b	S 2
	56.05	Crack Longitudinal, at 01 o'clock, within 8 inch: YES	00:03:04	7, b	S 2
	68.05	Crack Spiral, from 09 to 03 o'clock, within 8 inch: YES, start	00:03:38	9, b	S 2
	75.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:02	11	
	80.20	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:25	12	
	92.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:58	13	
	128.90	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:08	14	
	169.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:33	15	
	205.85	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:08:46	16	
	254.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:14	17	
	255.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:33	18	
	276.15	Downstream Manhole, Survey Ends 1917-0496	00:11:31	19	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	3121	10	5	15	2.5	2.5	2.5



Inspection report

Date: 20081125	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2557	PSR: 37146
Total Pipe Length: 268	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/25/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: GILLILAND AV	Flow Control: N Not Controlled	Start MH: 1918-0174
City: BGD	Year Renewed:	End MH: 1918-0175
Location Code: C Light Highway	Tape Media #:	pipe length: 200.08 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 268
Drain. Area: 0174/1918-0175/1918	Lining Method:
	Category:

Remark.: **None**

1:500	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0175			159
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	14.16	Tap Break-In Active, at 03 o'clock, 6", within 8 inch: YES	00:01:21		160
	34.54	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:02:12	161, b	S 4
	35.24	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:30		163
	38.05	Tap Factory Made Abandoned, at 02 o'clock, 6", within 8 inch: YES	00:02:41		164
	106.72	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:35		165
	110.63	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:04:50	166, b	S 2
	174.79	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:45		168
	200.08	Downstream Manhole, Survey Ends 1918-0174	00:07:41		169

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	6	4	10	3	2	2.5



Inspection report

Date: 20081103	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 1884	PSR: 43292
Total Pipe Length: 340	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/03/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: DARWELL AV	Flow Control: N Not Controlled	Start MH: 1917-0406
City: BGD	Year Renewed:	End MH: 1917-0412
Location Code: C Light Highway	Tape Media #:	pipe length: 342.14 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 340
Drain. Area: 0406/1917-0412/1917	Lining Method:
	Category:

Remark:: **None**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0406		26775	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	8.23	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:06	26776	
	33.43	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:51	26777	
	66.26	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:52	26778	
	92.26	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:43	26779, b	S 4
	93.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:56	26781	
	117.66	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:38	26782	
	163.34	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:53	26783	
	212.43	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:14	26784	
	249.08	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:20	26785	
	260.92	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:48	26786	
	306.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:06	26787	
	342.14	Downstream Manhole, Survey Ends 1917-0412	00:11:20	26788	

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



Inspection report

Date: 20081104	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 1898	PSR: 43338
Total Pipe Length: 177	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/04/2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1917

Street: COLMAR AV	Flow Control: N Not Controlled	Start MH: 1917-0270
City: BGD	Year Renewed	End MH: 1917-0271
Location Code: C Light Highway	Tape:Media ☐	pipe length: 175.19 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 177
Drain. Area: 0270/1917-0271/1917	Lining Method:
	Category:

Remark.: **None**

1:450	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0270		26943	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	84.33	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:59	26944	
	86.74	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:12	26945	
	166.25	Fracture Multiple, from 12 to 05 o'clock, within 8 inch: YES	00:05:31	26946, b	S 4
	175.19	Downstream Manhole, Survey Ends 1977-0271	00:06:05	26948	

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



Inspection report

Date: 20081104	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 1899	PSR: 43299
Total Pipe Length: 181	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/04/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: DARWELL AV	Flow Control: N Not Controlled	Start MH: 1917-0413
City: BGD	Year Renewed:	End MH: 1917-0414
Location Code: C Light Highway	Tape Media #:	pipe length: 185.33 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 181
Drain. Area: 0413/1917-0414/1917	Lining Method:
	Category:

Remark.: **None**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0413		26949	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	5.02	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:16	26950	
	48.09	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:43	26951	
	106.22	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:24	26952	
	136.84	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:36	26953	
	181.11	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:55	26954, b	S 4
	185.33	Downstream Manhole, Survey Ends 1917-0414	00:07:30	26956	

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



Inspection report

Date: 20081106	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2077	PSR: 43337
Total Pipe Length: 353	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/06/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: LOVELAND ST	Flow Control: N Not Controlled	Start MH: 1917-0258
City: BGD	Year Renewed:	End MH: 1917-0435
Location Code: C Light Highway	Tape Media #:	pipe length: 352.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 353
Drain. Area: 0258/1917-0435/1917	Lining Method:
	Category:

Remark:: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0258		29047	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 15' of cross sectional area			M 2
	77.10	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:29	29048	
	131.92	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:02	29049	
	150.09	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:44	29050	
	156.11	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:02	29051	
	220.67	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:43	29052	
	222.17	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:07:55	29053, b	S 4
	235.93	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:26	29055	
	269.46	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:22	29056	
	313.03	Water Level, 20' of cross sectional area	00:11:25		M 2
	352.38	Downstream Manhole, Survey Ends 1917-0435	00:13:31	29057	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2300	4	6	10	4	2	2.5



Inspection report

Date: 20081107	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2085	PSR: 43346
Total Pipe Length: 311	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/07/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: JABONERIA RD	Flow Control: N Not Controlled	Start MH: 1917-0287
City: BGD	Year Renewed:	End MH: 1917-0302
Location Code: C Light Highway	Tape Media #:	pipe length: 351.68 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 311
Drain. Area: 0287/1917-0302/1917	Lining Method:
	Category:

Remark.: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0287		29148	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	48.19	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:26	29149	
	66.06	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:09	29150	
	149.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:42	29151	
	170.37	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:35	29152	
	178.00	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:07	29153, b	S 4
	185.43	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:32	29155	
	231.21	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:15	29156	
	351.68	Downstream Manhole, Survey Ends 1917-0302	00:15:32	29157	

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



Inspection report

Date: 20081118	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2455	PSR: 43196
Total Pipe Length: 269	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1917-0509
City: BGD	Year Renewed:	End MH: 1917-0510
Location Code: H Alley	Tape Media #:	pipe length: 275.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 269
Drain. Area: 0509/1917-0510/1917	Lining Method:
	Category:

Remark.: **None**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0510		32928	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 10 % of cross sectional area			M 2
	20.68	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:36	32929	
	32.33	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:05	32930	
	84.33	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:35	32931	
	89.95	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:50	32932	
	170.17	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:14	32933	
	172.48	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:27	32934	
	233.92	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:08	32935	
	263.73	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:09:08	32936, b	S 4
	275.38	Downstream Manhole, Survey Ends 1917-0509	00:09:47	32938	

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



Inspection report

Date: 20081118	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2460	PSR: 43386
Total Pipe Length: 233	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/18/2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1918

Street: SCOUT AV	Flow Control: N Not Controlled	Start MH: 1918-0228
City: BGD	Year Renewed	End MH: 1917-0679
Location Code: C Light Highway	Tape:Media ☐	pipe length: 348.77 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 233
Drain. Area: 0228/1918-0679/1917	Lining Method:
	Category:

Remark:: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0228		32975	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	7.53	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:08	32976	
	22.29	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:41	32977	
	52.51	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:02:56	32978	
	73.39	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES, Remark: Roots	00:03:34	32979	
	76.30	Roots Fine Joint, from 12 to 12 o'clock, within 8 inch: YES	00:03:52	32980, b	
	86.04	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES, Remark: Roots	00:04:33	32982	
	90.15	Roots Fine Joint, from 12 to 04 o'clock, within 8 inch: YES	00:04:49	32983, b	
	91.96	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:01	32985	
	112.74	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:50	32986	
	121.68	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:11	32987	
	161.23	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:23	32988	
	170.07	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:45	32989	
	199.18	Fracture Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:08:38	32990, b	S 4
	203.60	Tap Break-In Active, at 10 o'clock, 4", within 8 inch: YES	00:08:59	32992	
	212.63	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:22	32993	
	221.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:50	32994	
	241.85	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: YES	00:10:35	32995	
	251.59	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:59	32996	
	272.57	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:39	32997	
	348.77	Downstream Manhole, Survey Ends 1917-0679	00:14:24	32998	

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



Inspection report

Date: 20081112	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2488	PSR: 43240
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/12/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GRANAGER AV	Flow Control: N Not Controlled	Start MH: 1917-0448
City: BGD	Year Renewed:	End MH: 1917-0449
Location Code: C Light Highway	Tape Media #:	pipe length: 349.29 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0448/1917-0449/1917	Lining Method:
	Category:

Remark: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0448		33277	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	35.57	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:42	33278	
	40.98	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:02:00	33279	
	85.87	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:03:18	33280	
	118.53	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:25	33281	
	150.30	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:05:35	33282, b	S 4
	151.30	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:58	33284	
	154.00	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:14	33285	
	250.09	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:09:25	33286	
	258.51	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:51	33287	
	306.70	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:23	33288	
	321.33	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:59	33289	
	349.29	Downstream Manhole, Survey Ends 1917-0449	00:13:37	33290	

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



Inspection report

Date: 20081114	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2499	PSR: 43192
Total Pipe Length: 178	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/14/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FRY ST	Flow Control: N Not Controlled	Start MH: 1917-0505
City: BGD	Year Renewed:	End MH: 1917-0669
Location Code: C Light Highway	Tape Media #:	pipe length: 302.19 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 178
Drain. Area: 0505/1917-0669/1917	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0505		1	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	8.63	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:21	2	
	23.39	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:53	3	
	65.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:12	4	
	70.98	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:28	5	
	96.28	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:04:17	6, b	S 4
	134.63	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:36	8	
	137.14	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:05:47	9	
	205.41	Roots Fine Joint, from 09 to 11 o'clock, within 8 inch: YES	00:07:58	10, b	
	219.66	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:08:40	12	
	265.34	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:18	13	
	268.25	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:30	14	
	302.19	Upstream Manhole, Survey Ends 1917-0669	00:11:41	15	

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



Inspection report

Date: 20081114	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2501	PSR: 37919
Total Pipe Length: 265	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/14/2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1917

Street: FRY ST	Flow Control: N Not Controlled	Start MH: 1917-0670
City: BGD	Year Renewed	End MH: 1917-0671
Location Code: C Light Highway	Tape:Media ☐	pipe length: 302.79 ft

Reason for inspection: F Routine Assessment	Dia:Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 265
Drain. Area: 0670/1917-0671/1917	Lining Method:
	Category:

Remark:: **MH# REVERSED ON MAP**

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0670		29	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	10.14	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:05	30	
	21.99	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:36	31	
	24.50	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:01:46	32	
	34.03	Fracture Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:02:10	33, b	S 4
	73.09	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:36	35	
	75.50	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:47	36	
	123.99	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:22	37	
	151.19	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:22	38	
	178.20	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:34	39	
	183.72	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:04	40	
	247.77	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:25	41	
	251.49	Tap Break-In Active, at 02 o'clock, 6", within 8 inch: YES	00:10:47	42	
	293.45	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:11	43	
	302.79	Upstream Manhole, Survey Ends 1917-0671	00:12:43	44	

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



Inspection report

Date: 20081117	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2504	PSR: 43203
Total Pipe Length: 240	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/17/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: LIVE OAK ST	Flow Control: N Not Controlled	Start MH: 1917-0512
City: BGD	Year Renewed:	End MH: 1917-0513
Location Code: C Light Highway	Tape/Media #:	pipe length: 220.34 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 240
Drain. Area: 0512/1917-0513/1917	Lining Method:
	Category:

Remark: **NONE**

1:550	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0513		33520	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	13.16	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:00:57	33521	
	52.32	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:25	33522	
	55.03	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:35	33523	
	82.15	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:25	33524	
	84.86	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:35	33525	
	127.64	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:43	33526	
	188.80	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:27	33527	
	202.56	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:57	33528, b	S 4
	203.67	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:14	33530	
	206.28	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:25	33531	
	220.34	Downstream Manhole, Survey Ends 1917-0512	00:09:09	33532	

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



Inspection report

Date: 20081121	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2542	PSR: 36560
Total Pipe Length: 255	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/21/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: CLARA ST	Flow Control: N Not Controlled	Start MH: 1918-0216
City: BGD	Year Renewed:	End MH: 1918-0217
Location Code: C Light Highway	Tape Media #:	pipe length: 326.48 ft

Reason for inspection: F Routine Assessment	Dia: Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 255
Drain. Area: 0216/1918-0217/1918	Lining Method:
	Category:

Remark:: **None**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1918-0217		33952	
	<u>0.00</u>	Water Level, 5' of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5' of cross sectional area			M 2
	8.33	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:58	33953	
	44.88	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:21	33954	
	78.31	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:25	33955	
	90.15	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:57	33956	
	151.19	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:05:44	33957	
	175.29	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:27	33958	
	177.80	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:06:40	33959	
	<u>193.56</u>	Fracture Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:07:16	33960, b	S 4
	205.10	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: YES	00:07:53	33962	
	216.75	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:08:26	33963	
	231.61	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:58	33964	
	252.59	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:34	33965	
	273.57	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:13	33966	
	282.21	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:35	33967	
	326.48	Upstream Manhole, Survey Ends 1918-0216	00:12:07	33968	

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



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Inspection report

Date: 20081124	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2543	PSR: 43318
Total Pipe Length: 146	Survey Customer: LACDPW	System Owner: BGD	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FLORENCE AV	Flow Control: N Not Controlled	Start MH: 1917-0323
City: BGD	Year Renewed:	End MH: 1917-0324
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 178.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 146
Drain. Area: 0323/1917-0324/1917	Lining Method:
	Category:

Remark.: **None**

1:450	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0324		114	
	0.00	Water Level, 15' of cross sectional area			M 2
	0.00	Water Mark, 15' of cross sectional area			M 2
	149.19	Fracture Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:06:03	115, b	S 4
	178.20	Downstream Manhole, Survey Ends 1917-0323	00:07:16	117	

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



Inspection report

Date: 20081124	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2546	PSR: 43217
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: PERRY RD	Flow Control: N Not Controlled	Start MH: 1917-0529
City: BGD	Year Renewed:	End MH: 1917-0530
Location Code: C Light Highway	Tape/Media #:	pipe length: 296.46 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 350
Drain. Area: 0529/1917-0530/1917	Lining Method:
	Category:

Remark:: **None**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0529		33988	
	<u>0.00</u>	Water Level, 5' of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5' of cross sectional area			M 2
	36.74	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:02:19	33989	
	63.95	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:03:21	33990	
	72.58	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:45	33991	
	93.57	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:31	33992	
	96.28	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:43	33993	
	138.94	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:06:16	33994	
	141.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:30	33995	
	181.01	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:07:46	33996	
	201.99	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:32	33997	
	<u>215.95</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:09:10	33998, b	S 4
	229.40	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:45	34000	
	232.51	Tap Break-In Active, at 02 o'clock, 4", within 8 inch: YES	00:10:05	34001	
	238.13	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:34	34002	
	277.49	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:12:12	34003	
	280.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:12:24	34004	
	296.46	Downstream Manhole, Survey Ends 1917-0530	00:13:14	34005, b	

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



Inspection report

Date: 20081124	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2563	PSR: 43219
Total Pipe Length: 294	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/24/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: PERRY RD	Flow Control: N Not Controlled	Start MH: 1918-0182
City: BGD	Year Renewed:	End MH: 1917-0530
Location Code: C Light Highway	Tape Media #:	pipe length: 350.47 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 294
Drain. Area: 0182/1918-0530/1917	Lining Method:
	Category:

Remark: **None**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0530		34135	
	<u>0.00</u>	Water Level, 5' of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5' of cross sectional area			M 2
	<u>7.93</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:15	34136	
	<u>41.06</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:21	34137	
	<u>46.68</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:48	34138	
	<u>73.79</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:48	34139	
	<u>97.98</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:41	34140	
	<u>147.08</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:14	34141	
	<u>149.59</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:39	34142	
	<u>160.43</u>	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:07:06	34143, b	S 4
	<u>161.13</u>	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:07:19	34145	
	<u>206.91</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:48	34146	
	<u>212.33</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:11	34147	
	<u>239.74</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:10:05	34148	
	<u>269.96</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:01	34149	
	<u>278.49</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:11:25	34150	
	<u>283.91</u>	Tap Factory Made Active, at 02 o'clock, 6", within 8 inch: YES	00:11:50	34151	
	<u>317.44</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:16	34152	
	<u>329.09</u>	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:13:44	34153	
	<u>350.47</u>	Downstream Manhole, Survey Ends 1918-0182	00:14:45	34154	

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



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Inspection report

Date: 20081128	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2570	PSR: 43214
Total Pipe Length: 319	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/28/2008	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: FLORENCE AV	Flow Control: N Not Controlled	Start MH: 1917-0524
City: BGD	Year Renewed:	End MH: 1917-0525
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 248.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 319
Drain. Area: 0524/1917-0525/1917	Lining Method:
	Category:

Remark.: **None**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0524		34236	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	7.73	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:50	34237	
	56.92	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:25	34238	
	80.21	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:11	34239, b	S 4
	90.66	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:39	34241	
	155.11	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:44	34242	
	207.11	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:10:25	34243	
	248.17	Downstream Manhole, Survey Ends 1917-0525	00:11:57	34244	

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



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Inspection report

Date: 20081128	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 2571	PSR: 43215
Total Pipe Length: 217	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 11/28/2008	Pre-Cleaned: J Jetting	Map Grid #: 1918

Street: FLORENCE AV	Flow Control: N Not Controlled	Start MH: 1918-0202
City: BGD	Year Renewed:	End MH: 1917-0525
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 250.38 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 217
Drain. Area: 0202/1918-0525/1917	Lining Method:
	Category:

Remark: **None**

1:625	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0525		34245	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	10.94	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:03	34246	
	59.83	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:34	34247	
	83.03	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:03:24	34248, b	S 4
	127.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:53	34250	
	142.46	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:28	34251	
	250.38	Downstream Manhole, Survey Ends 1918-0202	00:11:11	34252	

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



Inspection report

Date: 20090105	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J. Salas	section number: 2954	PSR: 43160
Total Pipe Length: 390	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/05/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: GAGE AV	Flow Control: N Not Controlled	Start MH: 1917-0598
City: BGD	Year Renewed:	End MH: 1917-0599
Location Code: A Main Highway - Urban	Tape Media #:	pipe length: 351.08 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10/10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 390
Drain. Area: 0598/1917-0599/1917	Lining Method:
	Category:

Remark: **MH# REVERSED ON MAP**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1917-0598		121	
	0.00	Water Level, 10 o'clock of cross sectional area			M 2
	0.00	Water Mark, 20 o'clock of cross sectional area			M 2
	15.06	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:09	122	
	79.21	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:03:14	123	
	121.88	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:51	124	
	169.57	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:05:37	125	
	270.46	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:09:01	126	
	271.36	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:09:22	127, b	S 4
	341.14	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:11:54	129	
	351.08	Downstream Manhole, Survey Ends 1917-0599	00:12:23	130	

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



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

Inspection report

Date: 20090109	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J,SALAS	section number: 2994	PSR: 43319
Total Pipe Length: 97	Survey Customer: LACDPW	System Owner: BGD	Clean Date: 01/09/2009	Pre-Cleaned: J Jetting	Map Grid #: 1917

Street: TOLER AV	Flow Control: N Not Controlled	Start MH: 1917-0323
City: BGD	Year Renewed:	End MH: 1917-0374
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 23.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8/8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 97
Drain. Area: 0323/1917-0374/1917	Lining Method:
	Category:

Remark.: **A THE FLOW**

1:75	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1917-0374	00:00:00	46	
	0.00	Water Level, 20 <input type="checkbox"/> of cross sectional area	00:00:00		M 2
	0.00	Water Mark, 20 <input type="checkbox"/> of cross sectional area	00:00:00		M 2
	15.00	Water Level, 5 <input type="checkbox"/> of cross sectional area	00:03:44		M 2
	17.00	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:46	47, b	S 4
	23.30	Upstream Manhole, Survey Ends 1917-0323	00:06:32	49	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2300	4	6	10	4	2	2.5