



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

February 19, 2009

IN REPLY PLEASE

REFER TO FILE: SM-1

Ms. Deborah Chankin
Director of Public Works
City of Bellflower
16600 Civic Center Drive
Bellflower, CA 90706-5494

Attention Mr. Jerry Stock

Dear Ms. Chankin

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT Y0TV0809B

The City of Bellflower has requested and obtained the services of the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District to inspect a portion of their sanitary sewer system utilizing closed-circuit television technology to assess the maintenance and structural condition of their lines. The Consolidated Sewer Maintenance District has completed the inspection of 163,003 feet or approximately 31 percent of the City of Bellflower's 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)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Ms. Deborah Chankin
February 19, 2009
Page 2

The Condition Assessment Report will provide 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, have been incorporated into our routine cleaning schedule for continued monitoring. In addition, the segments with severe structural defects have been summarized with a recommended course of action and estimated cost of repair.

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

Very truly yours,

GAIL FARBER
Director of Public Works



for MANUEL DEL REAL
Assistant Deputy Director
Sewer Maintenance Division

PK:kk
1639

Enc.

bc. Programs Development (Alam)

bc: MdR, KL, 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:	08/11/2008	CONTACT NO:	(626) 300-3380
SUP. DISTRICT(s):	4	MAP PAGE(S):	1921, 1922, 1975, 1976
Report By:	Kari Eskridge	Report Date:	01/22/09

INTRODUCTION

The City of Bellflower has requested and obtained the services of the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) to inspect a portion of their sanitary sewer system utilizing closed-circuit television technology to assess the maintenance and structural condition of their lines. The District has completed the inspection of 163,003 feet or approximately 31 percent of the City of Bellflower’s sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0809B included sewer lines located in Unincorporated County of Los Angeles area and the Cities of Artesia, Bell Gardens, Bellflower, Commerce, Lakewood, and Paramount. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects, while a grade of 5 indicates that a pipe segment requires 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 95.7 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 4.3 percent of the inspected pipe segments within the City of Bellflower had a PACP maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with required corrective action as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2). Additional segments with a Grade of 3 have also been included on this list to provide you with an overview of areas with potential capacity issues. These segments have been noted to have water levels or water marks near or over 50 percent of capacity. Also included is a color-coded map showing the quick maintenance rating for each pipe segment.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	1,132	0.7	7
2: Good	149,143	91.5	582
3: Fair	5,773	3.5	23
4: Poor	5,473	3.4	20
5: Immediate Attention	1,482	0.9	8
TOTAL	163,003	100.0	640

STRUCTURAL REPORT

Our inspection revealed that approximately 87.2 percent of the inspected pipe segments within the City of Bellflower were free of severe structural defects. However, the remaining 12.8 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 73 in the Quick Structural Rating Report Priority List (Enclosure 3), we recommend the corrective action as proposed in the enclosure. Also provided is an estimated cost for such repairs based on historical values from our current lining projects (\$30/linear foot) and point repairs (\$10,000 to \$25,000/incident). The estimated cost to rehabilitate the critical structural defects assessed in this inspection project by the installation of plastic liner totals \$354,780. In addition, we have determined that six defects may require reconstruction by means of a point repair. The total estimated costs for these point repairs will range from \$60,000 to \$150,000 depending on the depth of the line, the utilities surrounding the line, the nature of soil, presence of groundwater, and/or traffic conditions in the vicinity of the repair.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection reports for these 73 segments are included in Enclosure 4.

The District will also provide your City with a portable hard drive containing the data, videos, and photographs of the information gathered during the inspection of your City's sewer system as part of this project.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	88,416	54.2	370
2: Good	29,349	18.0	110
3: Fair	24,395	15.0	87
4: Poor	16,712	10.3	59
5: Immediate Attention	4,131	2.5	14
TOTAL	163,003	100.0	640

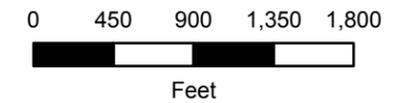
ENCLOSURE 1:

Project Overview Map

PROJECT OVERVIEW MAP

CCTV PROJECT
Y0TV0809B

Supervisorial District 4
City of Bellflower



Legend

SMD Manholes

Other

MH Type

Standard

Siphon

Trap

Shallow

Drop

SMD Pump Stations

SMD Treatment Plants

Maintained by Others:

Trunk Sewerlines

Non SMD Sanitary Sewers

Trunk Mh

Non SMD Maintained MH

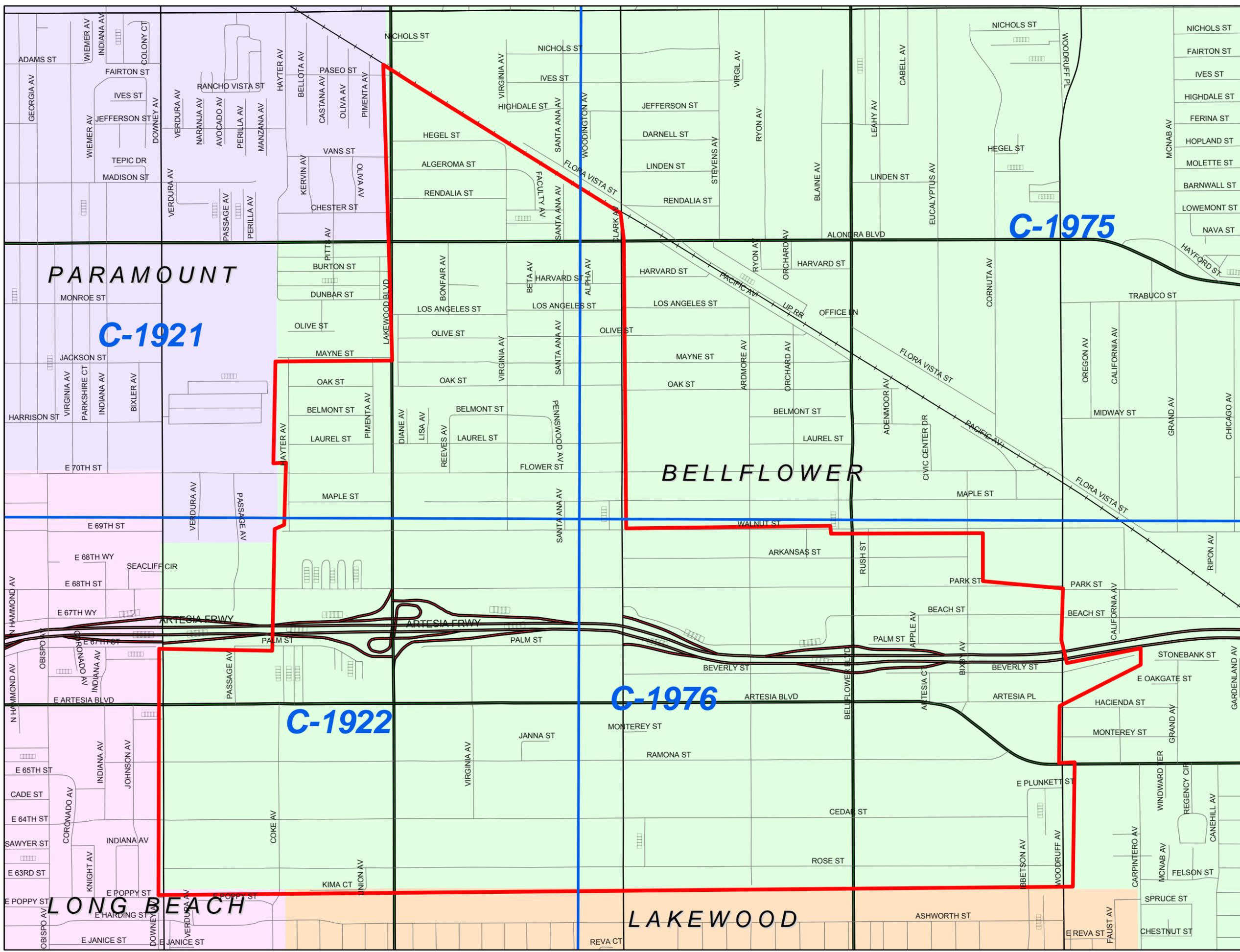
SMD Operations Maps

CCTV Project Area

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JANUARY 2009

Y0TV00809B Overview-PipeDia.mxd



ENCLOSURE 2:

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

ENCLOSURE 2
 QUICK MAINTENANCE RATING REPORT PRIORITY LIST
 CITY OF BELL FLOWER (Y0TV0809B)
 as of 11/19/2008

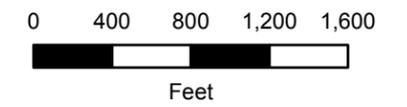
Item No.	QMR	Start MH	End MH	Street	Observation	Required Corrective Action
1	5221	1976-0035	1976-0246	BEVERLY ST	Water level 75☐	Hydrojet
2	5141	1976-0300	1976-0301	ARTESIA BV	Water level 60☐	Hydrojet
3	5141	1976-0301	1976-TRNK	EASEMENT by ARTESIA and RAMONA	Water level 60☐	Hydrojet
4	5121	1922-0040	1922-TRNK	ARTESIA BV	Water level 75☐	Hydrojet
5	5100	1921-0735	1921-0736	LAKESWOOD BV	Water level 60☐	Hydrojet
6	5100	1921-0744	1921-0819	LAKESWOOD BV	Water level 80☐	Hydrojet
7	5100	1976-0008	1976-0009	PARK ST	Water mark 100☐	Hydrojet
8	5100	1976-0009	1976-TRNK	CLARK AV	Water mark 100☐	Hydrojet
9	4321	1976-0067	1976-0068	ROSE ST	Roots	Hydrojet
10	4300	1975-0207	1976-TRNK	CLARK AV	Water level 50☐	Hydrojet
11	4221	1976-0237	1976-0293	BEACH ST	Camera underwater	Hydrojet
12	4221	1976-0038	1976-0039	ARTESIA BV	Camera underwater	Hydrojet
13	4200	1921-0735	1921-0800	FLOWER ST	Camera underwater	Hydrojet
14	4200	1975-0203	1975-0204	CLARK AV	Camera underwater	Hydrojet
15	4200	1975-0206	1975-0207	CLARK AV	Camera underwater	Hydrojet
16	4135	1976-0102	1976-TRNK	CLARK AV	Deposits; Grease	Rodder
17	4135	1976-0103	1976-0104	CLARK AV	Camera underwater	Hydrojet
18	4131	1921-0730	1921-0731	PIMENTA	Deposits; Grease	Hydrojet
19	4131	1922-0051	1922-0052	RAMONA ST	Roots	Rodder
20	4131	1976-0270	1976-0300	EASEMENT by ARTESIA and BIXBY	Camera underwater	Hydrojet
21	4122	1922-0132	1922-0133	PARK ST	Obstacle tap break-in	Millsaw
22	4121	1922-0163	1922-0164	ARTESIA BV	Camera underwater	Hydrojet
23	4121	1976-0001	1976-TRNK	WALNUT ST	Camera underwater	Hydrojet
24	4121	1976-0030	1976-TRNK	PALM ST	Camera underwater	Hydrojet
25	4121	1976-0107	1976-TRNK	ARDMORE AV	Camera underwater	Hydrojet
26	4100	1922-0166	1922-0346	LAKESWOOD BV	Water level 60☐	Hydrojet
27	4100	1922-0179	1922-0180	LAKESWOOD BV	Water mark 60☐	Hydrojet
28	4100	1922-0074	1922-TRNK	COKE AV	Camera underwater	Hydrojet
29	3B00	1921-0728	1921-0729	PIMENTA AV	Water level 45☐	No action needed.
30	3A00	1921-0729	1921-0730	PIMENTA AV	Water level 40☐	No action needed.

Item No.	QMR	Start MH	End MH	Street	Observation	Required Corrective Action
31	372B	1921-0736	1921-0811	MAPLE ST	Water level 40□	No action needed.
32	3421	1921-0536	1921-0800	FLOWER ST	Water level 45□	No action needed.
34	3421	1921-0731	1921-0799	PIMENTA AV	Water level 40□	No action needed.
35	3225	1921-0529	1921-0799	FLOWER ST	Water level 45□	No action needed.
36	3121	1922-0338	1922-0339	WALNUT ST	Water level 45□	No action needed.
37	3121	1922-0014	1922-0015	PASSAGE AV	Water level 45□	No action needed.
38	3111	1922-0059	1922-0060	CEDAR ST	Water mark 40□	No action needed.
39	3100	1922-0347	1921-0736	LAKESWOOD BV	Water mark 40□	No action needed.
40	3100	1975-0141	1975-0142	CLARK AV	Water mark 40□	No action needed.
41	3100	1976-0096	1976-0097	CLARK AV	Water mark 40□	No action needed.
42	3100	1976-0096	1976-TRNK	CLARK AV	Water mark 40□	No action needed.
43	3100	1976-0097	1976-0098	CLARK AV	Water mark 40□	No action needed.
44	3100	1976-0261	1976-0270	ARTESIA PL	Water mark 40□	No action needed.
45	3100	1975-0202	1975-0203	CLARK AV	Water mark 40□	No action needed.
46	3100	1975-0204	1975-0205	CLARK AV	Water mark 40□	No action needed.
47	3100	1922-0166	1922-0167	LAKESWOOD BV	Water mark 50□	No action needed.
48	3100	1975-0201	1975-0202	CLARK AV	Water mark 50□	No action needed.
49	3100	1975-0205	1975-0206	CLARK AV	Water mark 50□	No action needed.
50	3100	1976-0261	1976-0262	ARTESIA PL	Water mark 50□	No action needed.
51	2200	1922-0063	1922-0198	CEDAR ST	Obstacle pipe material	Millsaw
52	2200	1921-0534	1921-0535	FLOWER ST	Obstacle pipe material	Millsaw

ENCLOSURE 2 CCTV PROJECT Y0TV0809B

Supervisory District 4
BELLFLOWER

QUICK
MAINTENANCE
RATING
(QMR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

Maintained by Others:

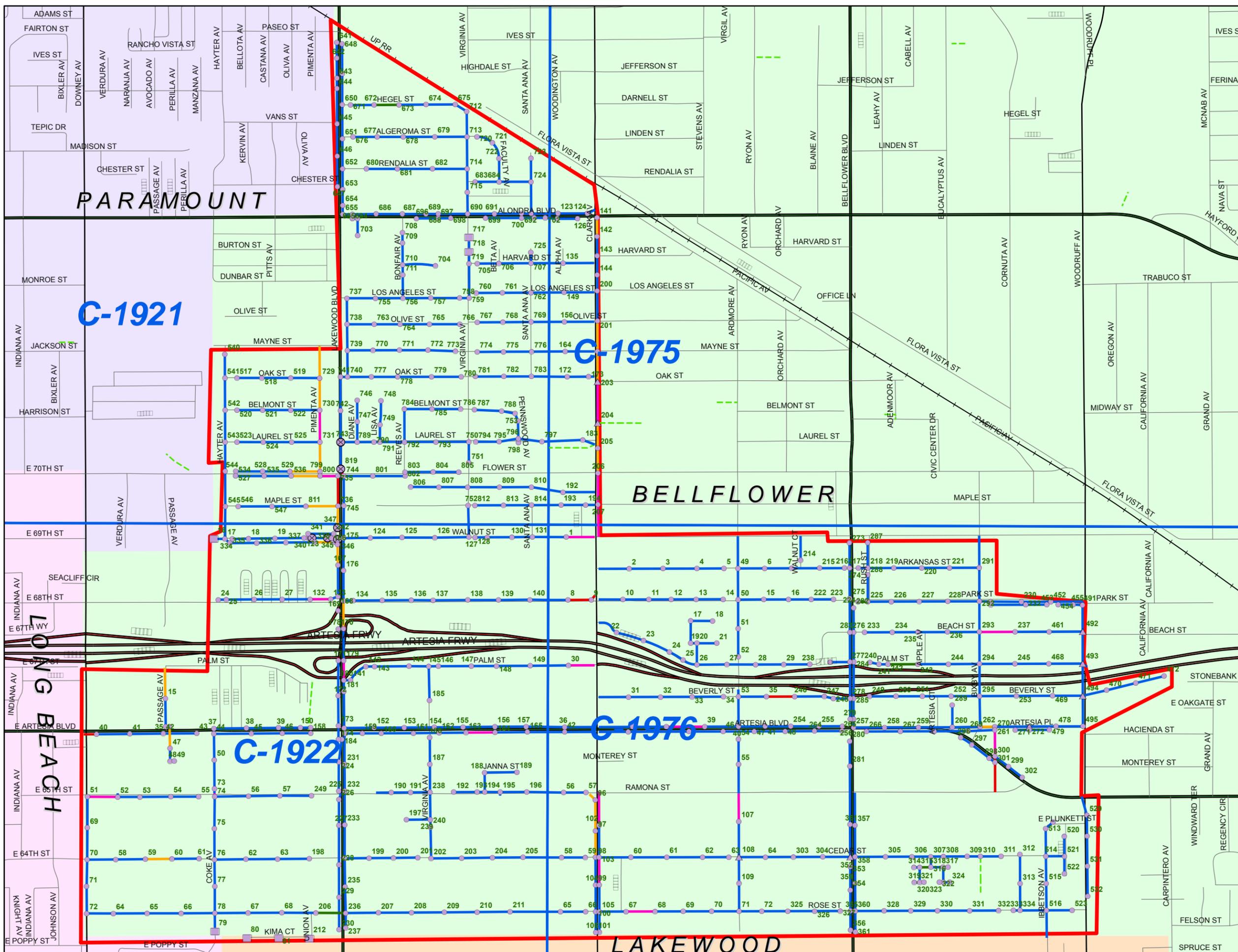
- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH

- SMD Operations Maps
- CCTV Project Area

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JANUARY 2009

Y0TV0809B BFL QMR.mxd



PARAMOUNT

C-1921

C-1975

BELLFLOWER

C-1976

C-1922

LAKEWOOD

LONG BEACH

ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF BELLFLOWER (Y0TV0809B)
as of 11/19/2008

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)	Cost Estimate
1	5248	1976-0048	1976-0264	ARTESIA BV	Broken with soil visible: 4', 244'; multiple fractures and cracks	Lining: MH to MH	317	\$9,510
2	5241	1922-0238	1922-TRNK	RAMONA ST	Broken with soil visible: 5'	Lining: MH to MH	11	\$330
3	5233	1976-0275	1976-0276	BELLFLOWER BV	Broken / deformed: 5'	Point Repair		\$10,000
4	5143	1976-0230	1976-0452	PARK ST	Holes at laterals	Structural integrity in tact. No action needed.	-	n/a
5	5142	1976-0468	1976-0493	PALM ST	Broken: 324'; multiple fractures and cracks	Lining: MH to MH	350	\$10,500
6	5141	1922-0175	1921-0745	LAKEWOOD BV	Broken/Collapsed: 322' (exposed concrete)	Lining: MH to MH	328	\$9,840
7	5141	1922-0152	1922-0153	ARTESIA BV	Broken: 131'; fractures and multiple cracks	Lining: MH to MH	325	\$9,750
8	5132	1922-0045	1922-0046	ARTESIA BV	Hole with soil visible: 295'	Point Repair	-	\$10,000
9	5132	1922-0175	1922-0176	LAKEWOOD BV	Broken with soil (concrete) visible: 157'	Structural integrity in tact. No action needed.	-	n/a
10	5121	1922-0172	1922-0173	LAKEWOOD BV	Hole with void visible: 273'; multiple cracks	Lining: MH to MH	290	\$8,700
11	5121	1922-0139	1922-0140	PARK ST	Broken at laterals: 13', 183'	Point Repairs		\$20,000
12	5113	1976-0008	1922-0140	PARK ST	Hole with soil visible: 154'	Point Repair		\$10,000
13	5100	1976-0040	1976-0041	ARTESIA BV	Hole with void visible: 184'	Structural integrity in tact. No action needed.	-	
14	5100	1976-0222	1976-0223	PARK ST	Hole with soil visible: 59'; large offset: 110' (from reverse inspection)	Point Repair: 59'	-	\$10,000
15	4B3B	1976-0046	1976-0047	ARTESIA BV	Multiple fractures and cracks throughout	Lining: MH to MH	315	\$9,450
16	473B	1976-0047	1976-0048	ARTESIA BV	Multiple fractures and cracks throughout	Lining: MH to MH	316	\$9,480
17	4431	1976-0264	1976-0265	ARTESIA BV	Multiple fractures throughout	Lining: MH to MH	310	\$9,300
18	4431	1921-0704	1921-0710	HARVARD ST	Multiple fractures: 164', 170'; cracks throughout	Lining: MH to MH	350	\$10,500
19	4331	1922-0156	1922-0157	ARTESIA BV	Multiple fractures: 109', 191'; cracks throughout	Lining: MH to MH	321	\$9,630
20	4325	1922-0058	1922-0070	CEDAR ST	Multiple fractures: 137', 152'; fractures throughout	Lining: MH to MH	295	\$8,850
21	4300	1922-0164	1922-0165	ARTESIA BV	Multiple fractures	Lining: MH to MH	331	\$9,930
22	4232	1976-0108	1976-0109	ARDMORE AV	Multiple fractures: 55', 141'; cracks throughout	Lining: MH to MH	281	\$8,430
23	4232	1922-0154	1922-0155	ARTESIA BV	Broken with multiple fractures: 326'; multiple fractures: 322'	Lining: MH to MH	331	\$9,930
24	4231	1976-0310	1976-0311	CEDAR ST	Fractures: 124'	Structural integrity in tact. No action needed.	-	n/a
25	4231	1976-0045	1976-0046	ARTESIA BV	Fractures: 250', 311'; multiple cracks	Lining: MH to MH	345	\$10,350
26	4231	1922-0195	1922-0196	RAMONA ST	Multiple fractures: 49'; cracks throughout	Lining: MH to MH	306	\$9,180
27	4231	1922-0233	1922-TRNK	LAKEWOOD BV	Fracture and multiple cracks	Structural integrity in tact. No action needed.	-	n/a
28	4221	1922-0059	1922-0060	CEDAR ST	Broken: 10'; multiple fractures: 128', 213'	Lining: MH to MH	297	\$8,910
29	4221	1922-0067	1922-0068	ROSE ST	Multiple fractures: 9', 80', 318'; fractures throughout	Lining: MH to MH	322	\$9,660

Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)	Cost Estimate
30	4215	1976-0064	1976-0108	CEDAR ST	Broken: 8'; multiple fractures: 44', 181'	Lining: MH to MH	265	\$7,950
31	4213	1922-0064	1922-0065	ROSE ST	Fractures: 3', 174'	Lining: MH to MH	296	\$8,880
32	4133	1976-0306	1976-0307	CEDAR ST	Multiple cracks	Lining: MH to MH	215	\$6,450
33	4133	1976-0071	1976-0109	ARDMORE AV	Multiple fractures and cracks at joints throughout	Lining: MH to MH	281	\$8,430
34	4132	1976-0305	1976-0306	CEDAR ST	Multiple cracks	Lining: MH to MH	331	\$9,930
35	4132	1976-0461	1976-0492	BEACH ST	Multiple fractures: 122', 181', 251'	Structural integrity in tact. No action needed.	-	n/a
36	4132	1976-0469	1976-0494	BEVERLY ST	Broken: 282'; multiple cracks	Lining: MH to MH	348	\$10,440
37	4132	1922-0186	1922-0187	VIRGINIA AV	Multiple fractures throughout	Lining: MH to MH	272	\$8,160
38	4132	1922-0199	1922-0234	CEDAR ST	Fractures: 226'; cracks throughout	Lining: MH to MH	265	\$7,950
39	4132	1976-0303	1976-0304	CEDAR ST	Multiple fractures: 139', 238'; cracks throughout	Lining: MH to MH	312	\$9,360
40	4132	1922-0052	1922-0053	RAMONA ST	Multiple fractures: 51', 237'; cracks	Lining: MH to MH	245	\$7,350
41	4132	1976-0058	1922-0205	CEDAR ST	Fractures: 316'	Structural integrity in tact. No action needed.	-	n/a
42	4131	1976-0027	1976-0028	BEACH ST	Cracks	Structural integrity in tact. No action needed.	-	n/a
43	4131	1976-0325	1976-0326	ROSE ST	Hole: 5' (patched lateral)	Structural integrity in tact. No action needed.	-	n/a
44	4131	1976-0308	1976-0309	CEDAR ST	Multiple fractures: 225', 258'	Lining: MH to MH	350	\$10,500
45	4131	1976-0061	1976-0060	CEDAR ST	Multiple fractures: 175'; multiple cracks throughout	Lining: MH to MH	330	\$9,900
46	4131	1976-0513	1976-0514	IBBETSON AV	Multiple fractures: 110'; cracks	Lining: MH to MH	268	\$8,040
47	4127	1976-0277	1976-0278	BELLFLOWER BV	Multiple fractures and cracks	Structural integrity in tact. No action needed.	-	n/a
48	4126	1922-0036	1922-0047	ALLEY	Fracture: 87'; multiple cracks	Structural integrity in tact. No action needed.	-	n/a
49	4125	1922-0058	1922-0059	CEDAR ST	Multiple fractures and cracks	Lining: MH to MH	296	\$8,880
50	4123	1922-0062	1922-0076	CEDAR ST	Fractures: 78', 207'; cracks throughout	Lining: MH to MH	297	\$8,910
51	4123	1922-0067	1922-0078	ROSE ST	Multiple fractures: 118', 219', 235'; cracks throughout	Lining: MH to MH	320	\$9,600
52	4122	1922-0077	1922-0078	COKE AV	Fractures: 38', 76', 92', 154', 183', 221'	Lining: MH to MH	269	\$8,070
53	4122	1922-0159	1922-0183	ARTESIA BV	Multiple fractures and cracks	Lining: MH to MH	104	\$3,120
54	4122	1922-0057	1922-0249	RAMONA ST	Multiple fractures: 17', 168', 265'; joint offset: 320'	Structural integrity in tact. No action needed.	-	n/a
55	4121	1976-0530	1976-0531	WOODRUFF AV	Multiple fractures: 73'; cracks throughout	Lining: MH to MH	320	\$9,600
56	4121	1976-0060	1976-0103	CEDAR ST	Multiple fractures: 46' multiple cracks throughout	Structural integrity in tact. No action needed.	-	n/a
57	4121	1976-0279	1976-0286	BELLFLOWER BV	Fractures: 45'	Lining: MH to MH	46	\$1,380
58	4118	1976-0531	1976-0532	WOODRUFF AV	Multiple fractures and cracks	Structural integrity in tact. No action needed.	-	n/a
59	4113	1976-0253	1976-0469	BEVERLY ST	Fracture: 158', 175'	Structural integrity in tact. No action needed.	-	n/a
60	4113	1976-0245	1976-0294	PALM ST	Fracture: 124', 344'	Structural integrity in tact. No action needed.	-	n/a
61	4113	1922-0044	1922-0050	COKE AV	Multiple fractures: 87'; cracks: 4', 16', 57'	Structural integrity in tact. No action needed.	-	n/a
62	4111	1976-0329	1976-0330	ROSE ST	Fracture: 319' (at End MH)	Structural integrity in tact. No action needed.	-	n/a
63	4111	1922-0191	1922-0238	RAMONA ST	Fracture: 3'	Structural integrity in tact. No action needed.	-	n/a
64	4100	1976-0054	1976-0055	ARDMORE AV	Multiple fractures: 138'	Structural integrity in tact. No action needed.	-	n/a
65	4100	1976-0309	1976-0310	CEDAR ST	Fracture: 84'	Structural integrity in tact. No action needed.	-	n/a
66	4100	1976-0107	1976-TRNK	ARDMORE AV	Fracture: 75'	Structural integrity in tact. No action needed.	-	n/a

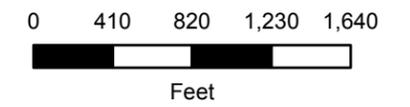
Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method	Length of Repair (FT)	Cost Estimate
67	4100	1976-0328	1976-0360	ROSE ST	Multiple fractures: 32'	Structural integrity in tact. No action needed.	-	n/a
68	4100	1921-0705	1921-0706	HARVARD ST	Multiple fractures: 158'	Structural integrity in tact. No action needed.	-	n/a
69	4100	1922-0040	1922-TRNK	ARTESIA BV	Deformed / multiple fractures: 34'	Lining: MH to MH	42	\$1,260
70	4100	1922-0236	1922-0237	LAKWOOD BV	Fracture: 3'	Structural integrity in tact. No action needed.	-	n/a
71	4100	1922-0052	1922-TRNK	RAMONA ST	Broken: 5'	Lining: MH to MH	7	\$210
72	4100	1922-0160	1922-0161	ARTESIA BV	Multiple fractures and cracks	Lining: MH to MH	300	\$9,000
73	4100	1976-0056	1922-0196	RAMONA ST	Broken: 4'	Lining: MH to MH	306	\$9,180

TOTAL COST ESTIMATE □414,780

ENCLOSURE 3 CCTV PROJECT Y0TV0809B

Supervisorial District 4
BELLFLOWER

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

- QSR**
- 1: EXCELLENT (Green line)
 - 2: GOOD (Blue line)
 - 3: FAIR (Yellow line)
 - 4: POOR (Magenta line)
 - 5: IMMEDIATE ATTENTION (Red line)

SMD Manholes

- Other (Circle with dot)
- MH Type**
 - Standard (Purple dot)
 - Siphon (Circle with cross)
 - Trap (Diamond)
 - Shallow (Square)
 - Drop (Triangle)
 - SMD Pump Satations (Red square with P)
 - SMD Treatment Plants (WTP symbol)

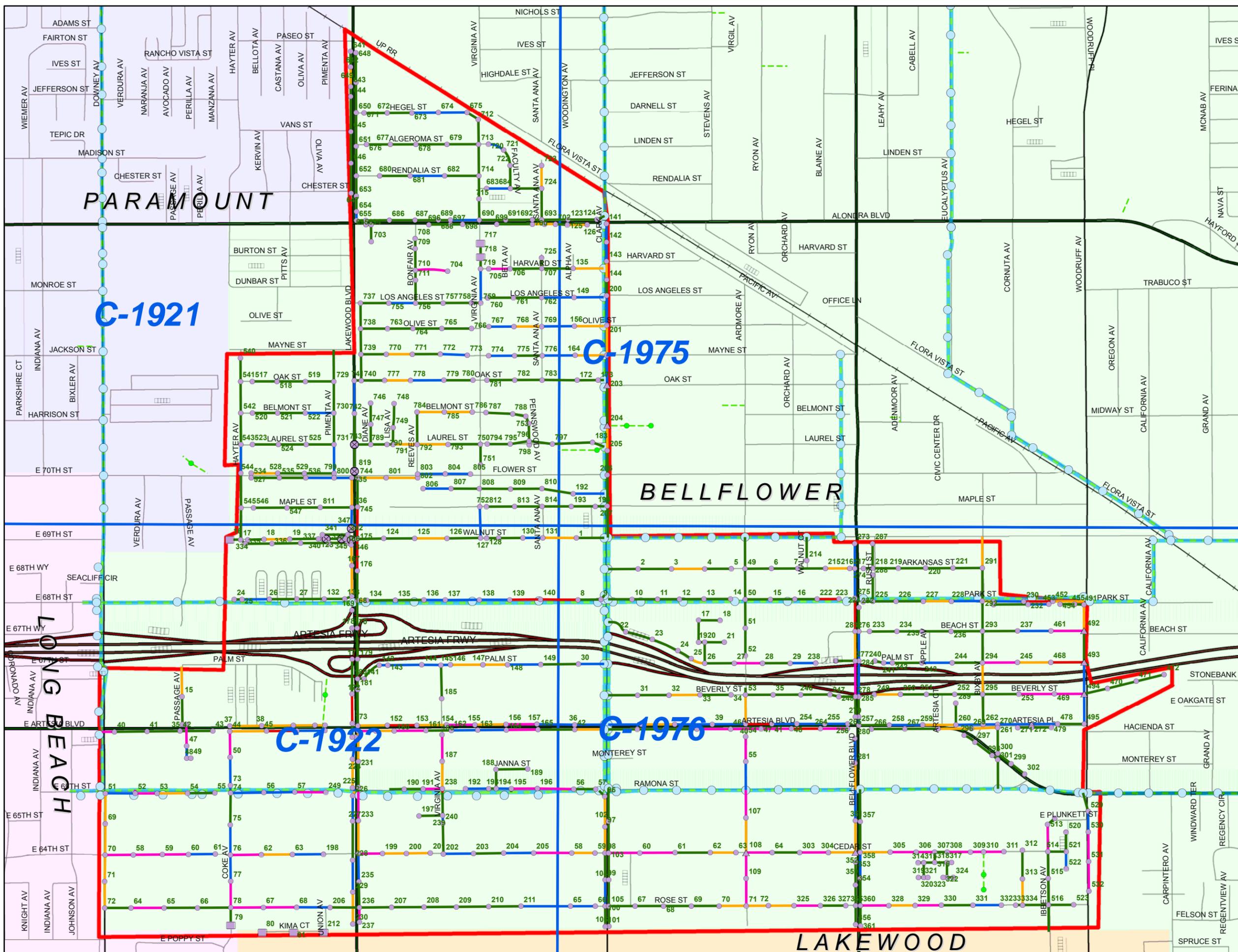
Maintained by Others:

- Trunk Sewerlines (Thick green line)
- Non SMD Sanitary Sewers (Dashed green line)
- Trunk Mh (Blue circle)
- Non SMD Maintained MH (Green dot)
- SMD Operations Maps (Blue outline)
- CCTV Project Area (Red outline)

This map is intended only for internal operations of the Los Angeles County Sewer Maintenance Districts. Los Angeles County expressly disclaims any liability for any inaccuracies which may be present in this map. Data contained in this map is produced in whole or part from the Thomas Bros. Maps digital database. This map is copyrighted, and reproduced with permission granted, by Thomas Bros. Maps. All rights reserved.

JANUARY 2009

Y0TV00809B BFL QSR.mdx



PARAMOUNT

C-1921

C-1975

BELLFLOWER

C-1922

C-1976

LAKEWOOD

LONG BEACH

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20080916	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 546	PSR: 36504
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 15 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0048
City: BFL	Year Renewed:	End MH: 1976-0264
Location Code: A Main Highway - Urban	Tape/Media #: 026	pipe length: 317.87 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 304
Drain. Area: 0048 1976-0264 1976	Lining Method:
	Category:

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

1:528	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0264		105	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	4.66	Broken Void Visible, from 04 to 09 o'clock, within 8 inch: YES	00:01:34	106, b	S 5
	12.63	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:23	108	
	19.34	Crack Spiral, from 04 to 08 o'clock, within 8 inch: YES	00:05:47	109, b	S 2
	33.43	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:06:28	111, b	S 4
	36.73	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:50	113	
	37.03	Crack Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:07:02	114, b	S 3
	38.97	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:07:21	116, b	S 3
	47.71	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:07:44	118, b	S 4
	75.31	Crack Spiral, from 06 to 08 o'clock, within 8 inch: YES	00:08:46	120, b	S 2
	94.07	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:09:25	122, b	S 3
	103.69	Crack Multiple, from 08 to 02 o'clock, within 8 inch: YES	00:09:51	124, b	S 3
	105.24	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:10	126	
	126.04	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:57	127	
	137.90	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:11:24	128, b	S 2
	151.89	Fracture Multiple, from 03 to 07 o'clock, within 8 inch: YES	00:12:02	130, b	S 4
	154.90	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:12:25	132, b	S 4
	161.80	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:12:46	134	
	185.42	Crack Multiple, from 08 to 09 o'clock, within 8 inch: YES	00:13:29	135, b	S 3
	188.43	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:13:54	137, b	S 4
	196.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:14:23	139	



Inspection report

Date: 20080916	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 546	PSR: 36504
Total Pipe Length: 304	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 15 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:528	position	observation	MPEG	photo	grade
	225.55	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:15:24	140, b	S 4
	235.95	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:15:57	142, b	S 2
	244.31	Broken Soil Visible, from 04 to 08 o'clock, within 8 inch: YES	00:17:18	144, b	S 5
	252.96	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:19:03	146, b	S 4
	261.90	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:19:32	148, b	S 4
	264.81	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:19:50	150	
	291.34	Crack Multiple, from 03 to 10 o'clock, within 8 inch: YES	00:21:10	151, b	S 3
	310.10	Crack Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:21:54	153, b	S 3
	1976-0264 317.87	Downstream Manhole, Survey Ends 1976- 0048	00:22:42	155	



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

Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 142	PSR: 43227
Total Pipe Length: 40	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0238
City: BFL	Year Renewed:	End MH: 1922-TRNK
Location Code: C Light Highway	Tape/Media #:	pipe length: 11.08 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 40
Drain. Area: 0238 1922-TRNK 1922	Lining Method:
	Category:

Remark: **NONE**

1:50	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0238 Survey Begins	00:00:19	2273	
	0.00	Water Level, 20 % of cross sectional area	00:00:40		M 2
	0.00	Water Mark, 25 % of cross sectional area	00:00:43		M 2
	0.00	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:00:48	2274, b	S 2
	5.34 S1	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES, start	00:01:09	2276, b	S 3
	5.34 S2	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: YES, start	00:01:56	2278, b	S 5
	5.44 F2	Broken Soil Visible, from 11 to 01 o'clock, within 8 inch: YES, end	00:02:45		S 5
	10.50 F1	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:03:21		S 4
	10.50	Drop Connection	00:03:22	2280	
	11.08	Downstream Manhole, 1922-TRNK Survey Ends	00:04:37		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5241	2200	19	4	23	3.8	2	3.29



Inspection report

Date: 20080917	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 591	PSR: 36303
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 17 2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: BELLFLOWER BV	Flow Control: N Not Controlled	Start MH: 1976-0275
City: BFL	Year Renewed	End MH: 1976-0276
Location Code: A Main Highway - Urban	Tape/Media ☐: 027	pipe length: 320.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 348
Drain. Area: 0275 1976-0276 1976	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0275		78	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	1.65	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:00:54	79, b	S 3
	5.54	Broken, from 12 to 08 o'clock, within 8 inch: YES	00:02:09	81, b	S 5
	6.61	Broken, from 01 to 09 o'clock, within 8 inch: YES	00:02:38	83, b	S 5
	9.43	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:03:11	85, b	S 3
	13.80	Crack Spiral, from 06 to 09 o'clock, within 8 inch: YES	00:04:29	87, b	S 2
	30.71	Fracture Spiral, from 06 to 09 o'clock, within 8 inch: YES	00:05:22	89, b	S 3
	74.92	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:54	91	
	125.36	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:37	92	
	150.14	Crack Spiral, from 01 to 04 o'clock, within 8 inch: YES	00:09:33	93, b	S 2
	175.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:52	95	
	176.18	Crack Spiral, from 11 to 05 o'clock, within 8 inch: YES	00:12:06	96, b	S 2
	222.93	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:13:42	98	
	223.02	Crack Spiral, from 09 to 01 o'clock, within 8 inch: YES	00:13:53	99, b	S 2
	258.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:15:10	101	
	264.42	Crack Spiral, from 08 to 03 o'clock, within 8 inch: YES	00:16:26	102, b	S 2
	305.63	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:18:00	104	
	308.83	Crack Spiral, from 02 to 09 o'clock, within 8 inch: YES	00:18:15	105, b	S 2
	312.23	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:18:30	107, b	S 2
	320.20	Downstream Manhole, Survey Ends 1976-0276	00:19:13	109	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5233	2200	33	4	37	2.75	2	2.64



Inspection report

Date: 20080919	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 603	PSR: 36375
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: PARK ST	Flow Control: N Not Controlled	Start MH: 1976-0230
City: BFL	Year Renewed:	End MH: 1976-0452
Location Code: C Light Highway	Tape/Media # 029	pipe length: 350.95 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: 0230 1976-0452 1976	Lining Method:
	Category:

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

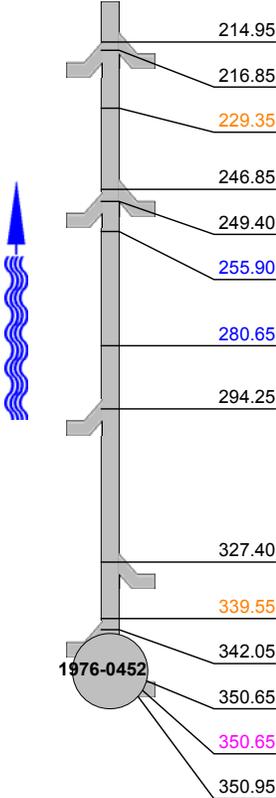
1:495	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0230		282	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	15.10	Crack Spiral, from 08 to 01 o'clock, within 8 inch: YES	00:01:46	283, b	S 2
	35.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:43	285	
	35.35	Broken Soil Visible, from 09 to 11 o'clock, within 8 inch: YES	00:02:46	286, b	S 5
	36.25	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:03:10	288, b	S 2
	37.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:28	290	
	62.25	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:04:37	291, b	S 3
	65.65	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:04:55	293, b	S 3
	74.40	Crack Spiral, from 07 to 05 o'clock, within 8 inch: YES	00:05:30	295, b	S 2
	85.90	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:09	297	
	94.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:40	298	
	116.30	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:40	299, b	S 4
	121.65	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:07	301, b	S 3
	134.30	Crack Spiral, from 12 to 12 o'clock, within 8 inch: YES	00:08:50	303, b	S 2
	152.40	Crack Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:09:50	305, b	S 3
	164.40	Crack Multiple, from 09 to 12 o'clock, within 8 inch: YES	00:10:34	307, b	S 3
	175.75	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:31	309	
	185.40	Crack Spiral, from 07 to 12 o'clock, within 8 inch: YES	00:12:00	310, b	S 2
	200.75	Crack Spiral, from 02 to 10 o'clock, within 8 inch: YES	00:12:56	312, b	S 2
	205.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:25	314	
	206.20	Fracture Multiple, from 02 to 07 o'clock, within 8 inch: YES	00:13:32	315, b	S 4



Inspection report

Date: 20080919	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 603	PSR: 36375
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 18 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:495	position	observation	MPEG	photo	grade
	214.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:14:06	317	
	216.85	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:23	318	
	229.35	Crack Multiple, from 01 to 09 o'clock, within 8 inch: YES	00:15:03	319, b	S 3
	246.85	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:16:18	321	
	249.40	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:16:33	322	
	255.90	Crack Spiral, from 12 to 12 o'clock, within 8 inch: YES	00:16:58	323, b	S 2
	280.65	Crack Spiral, from 11 to 05 o'clock, within 8 inch: YES	00:18:26	325, b	S 2
	294.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:19:16	327	
	327.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:24:46	328	
	339.55	Crack Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:30:01	329	S 3
	342.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:30:48	330	
	350.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:33:19	331	
	350.65	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:33:30	332, b	S 4
	350.95	Upstream Manhole, Survey Ends 1976-0452	00:37:37	334	





Inspection report

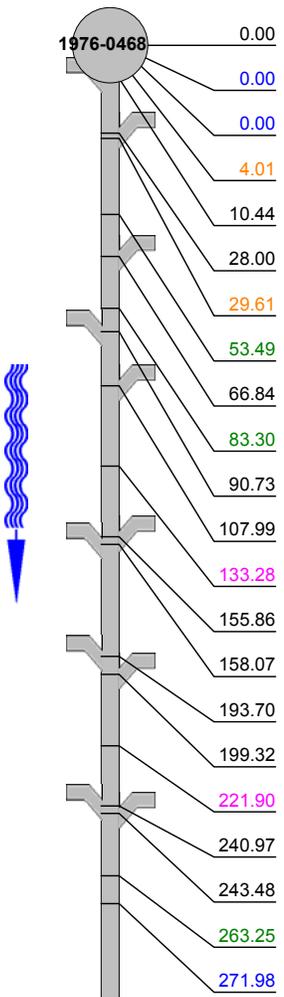
Date: 20080828	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 307	PSR: 36119
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 28 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: PALM ST	Flow Control: N Not Controlled	Start MH: 1976-0468
City: BFL	Year Renewed:	End MH: 1976-0493
Location Code: C Light Highway	Tape/Media #:	pipe length: 348.95 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: 0468 1976-0493 1976	Lining Method:
	Category:

Remark:: **NONE**

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0468 Survey Begins	00:00:12		
	0.00	Water Level, 5 % of cross sectional area	00:00:18		M 2
	0.00	Water Mark, 5 % of cross sectional area	00:00:21		M 2
	4.01	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:00:31	4234, b	S 3
	10.44	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:09	4236	
	28.00	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:58	4237	
	29.61	Crack Multiple, from 08 to 11 o'clock, within 8 inch: YES	00:02:21	4238, b	S 3
	53.49	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:03:58	4240, b	S 1
	66.84	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:40	4242	
	83.30	Crack Circumferential, from 07 to 05 o'clock, within 8 inch: YES	00:05:28	4243, b	S 1
	90.73	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:06	4245	
	107.99	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:52	4246	
	133.28	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:07:54	4247, b	S 4
	155.86	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:16	4249	
	158.07	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:31	4250	
	193.70	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:39	4251	
	199.32	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:11:06	4252	
	221.90	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:12:24	4253, b	S 4
	240.97	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:13:23	4255	
	243.48	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:39	4256	
	263.25	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:14:31	4257, b	S 1
	271.98	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:15:01	4259, b	S 2





Inspection report

Date: 20080828	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 307	PSR: 36119
Total Pipe Length: 350	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 28 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:726	position	observation	MPEG	photo	grade
	302.89	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:16:15	4261	
	305.50	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:16:32	4262	
	324.47	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:17:36	4263, b	S 4
	342.53	Crack Multiple, from 05 to 12 o'clock, within 8 inch: YES	00:18:25	4265, b	S 3
	346.55	Downstream Manhole	00:19:12	4267	
	348.95	Downstream Manhole, 1976-0493 Survey Ends	00:20:05	4268	



Inspection report

Date: 20080829	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 284	PSR: 84375
Total Pipe Length: 334	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 29 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: LAKEWOOD BV	Flow Control: N Not Controlled	Start MH: 1922-0175
City: BFL	Year Renewed:	End MH: 1921-0745
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 327.15 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10 10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 334
Drain. Area: 0175 1922-0745 1921	Lining Method:
	Category:

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

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1921-0745		47	
	0.00	Water Level, 10 # of cross sectional area			M 2
	0.00	Water Mark, 15 # of cross sectional area			M 2
	46.15	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:45	48	
	103.15	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:11	49	
	137.80	Crack Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:04:14	50, b	S 3
	162.85	Crack Spiral, from 11 to 03 o'clock, within 8 inch: YES	00:05:03	52, b	S 2
	163.80	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:15	54	
	209.05	Crack Multiple, from 09 to 04 o'clock, within 8 inch: YES	00:06:30	55, b	S 3
	212.60	Crack Spiral, from 08 to 04 o'clock, within 8 inch: YES	00:06:45	57, b	S 2
	231.30	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:20	59	
	248.65	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:07:51	60, b	S 3
	262.55	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:08:21	62	
	267.85	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:35	63, b	S 3
	297.05	Crack Multiple, from 07 to 03 o'clock, within 8 inch: YES	00:09:25	65, b	S 3
	320.85	Broken Soil Visible, from 12 to 05 o'clock, within 8 inch: YES	00:10:22	67, b	S 5
	322.60	Broken, from 12 to 12 o'clock, within 8 inch: YES	00:10:53	69, b	S 4
	327.15	Downstream Manhole, Survey Ends 1922-0175	00:11:46	71	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	28	4	32	3.11	2	2.91



Inspection report

Date: 20080903	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 363	PSR: 43324
Total Pipe Length: 311	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.03.2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0152
City: BFL	Year Renewed:	End MH: 1922-0153
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 325.85 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: 0152 1922-0153 1922	Lining Method:
	Category:

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

1:800	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0152		13	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	15.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:05	14	
	24.45	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:01:38	15, b	S 2
	27.45	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:01:54	17, b	S 2
	30.50	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:02:11	19, b	S 3
	92.30	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:04:24	21, b	S 2
	100.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:49	23	
	129.60	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:05:56	24, b	S 4
	130.35	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:28	26	
	131.25	Broken, from 04 to 08 o'clock, within 8 inch: YES	00:06:41	27, b	S 5
	172.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:35	29	
	205.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:43	30	
	262.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:35	31	
	316.40	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:17	32	
	325.85	Upstream Manhole, Survey Ends 1922-0153	00:14:03	33	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5141	2200	18	4	22	3	2	2.75



Inspection report

Date: 20080912	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: RHALL	section number: 508	PSR: 43400
Total Pipe Length: 321	Survey Customer: LACDPW	System Owner: BFL	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0045
City: BFL	Year Renewed:	End MH: 1922-0046
Location Code: A Main Highway - Urban	Tape/Media # TV161 9-12-08	pipe length: 300.08 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 321
Drain. Area: 0045 1922-0046 1922	Lining Method:
	Category:

Remark: **TV'D AGAINST THE FLOW**

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0045		302	
	0.00	Water Level, 15' of cross sectional area		303	M 2
	0.00	Water Mark, 25' of cross sectional area		304	M 2
	13.12	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:01:06	305, b	
	13.12	Crack Spiral, from 10 to 01 o'clock, within 8 inch: NO	00:01:31	307, b	S 2
	43.58	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:03:16	309, b	
	55.85	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES, Remark: LONGITUDAL 9' x 3'	00:04:12	311, b	S 3
	109.27	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:05:41	313, b	
	165.85	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:07:19	315, b	
	189.21	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:08:15	317, b	
	198.97	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES, Remark: LONGITUDAL 9' x 3'	00:08:52	319, b	S 3
	236.82	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: NO	00:10:19	321, b	
	295.83	Broken Soil Visible, from 02 to 05 o'clock, within 8 inch: YES	00:13:03	323, b	S 5
	300.08	Upstream Manhole, Survey Ends 1922-0046	00:17:02	325	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	2200	13	4	17	3.25	2	2.83



Inspection report

Date: 20080829	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 283	PSR: 43288
Total Pipe Length: 284	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 29 2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1922

Street: LAKEWOOD BV	Flow Control: N Not Controlled	Start MH: 1922-0175
City: BFL	Year Renewed:	End MH: 1922-0176
Location Code: A Main Highway - Urban	Tape/Media # 015	pipe length: 335 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 10 10
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 284
Drain. Area: 0175 1922-0176 1922	Lining Method:
	Category:

Remark:: **NONE**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0175		72	
	0.00	Water Level, 10 % of cross sectional area			M 2
	0.00	Water Mark, 15 % of cross sectional area			M 2
	85.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:32	73	
	146.95	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:16	74	
	157.30	Broken Soil Visible, from 09 to 05 o'clock, within 8 inch: YES	00:04:48	75, b	S 5
	182.00	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:41	77, b	S 3
	206.65	Crack Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:27	79, b	S 3
	207.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:39	81	
	229.35	Crack Spiral, from 08 to 03 o'clock, within 8 inch: YES	00:07:18	82, b	S 2
	256.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:04	84	
	320.65	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:41	85	
	335.00	Downstream Manhole, Survey Ends 1922-0176	00:10:18	86	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5132	2200	13	4	17	3.25	2	2.83



Inspection report

Date: 20080912	P.O.☐: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 529	PSR: 43285
Total Pipe Length: 308	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 12 2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1922

Street: LAKEWOOD BV	Flow Control: N Not Controlled	Start MH: 1922-0172
City: BFL	Year Renewed	End MH: 1922-0173
Location Code: C Light Highway	Tape/Media ☐: 020	pipe length: 290.27 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 308
Drain. Area: 0172 1922-0173 1922	Lining Method:
	Category:

Remark.: **NONE**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0172 Survey Begins	00:00:07	236	
	0.00	Water Level, 5 ☐ of cross sectional area	00:00:30		M 2
	0.00	Water Mark, 5 ☐ of cross sectional area	00:00:33		M 2
	37.03	Crack Circumferential, from 12 to 04 o'clock, within 8 inch: YES	00:02:01	237, b	S 1
	104.47	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:04:17	239	
	123.61	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:05:10	240, b	S 2
	141.39	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:06:44	242, b	S 1
	219.43	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:28	244	
	238.57	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:10:15	245, b	S 1
	250.53	Crack Circumferential, from 07 to 12 o'clock, within 8 inch: YES	00:11:01	247, b	S 1
	273.27	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:12:05	249	
	273.85	Hole Void Visible, at 12 o'clock, within 8 inch: YES	00:13:09	250, b	S 5
	290.27	Downstream Manhole, 1922-0173 Survey Ends	00:14:11	252	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2200	11	4	15	1.83	2	1.88



Inspection report

Date: 20080911	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 527	PSR: 43376
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 11 2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1922

Street: PARK ST	Flow Control: N Not Controlled	Start MH: 1922-0139
City: BFL	Year Renewed	End MH: 1922-0140
Location Code: C Light Highway	Tape/Media ☐ 019	pipe length: 319.23 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 325
Drain. Area: 0139 1922-0140 1922	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0139 Survey Begins	00:00:04	18	
	<u>3.50</u>	Water Level, 5 ☐ of cross sectional area	00:00:24		M 2
	<u>3.50</u>	Water Mark, 5 ☐ of cross sectional area	00:00:24		M 2
	<u>13.12</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:00:53	19	
	<u>13.31</u>	Broken Void Visible, from 01 to 04 o'clock, within 8 inch: NO	00:01:18	20, b	S 5
	<u>15.65</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:53	22	
	<u>51.41</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:02	23	
	<u>54.03</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:03:15	24	
	<u>65.60</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:46	25	
	<u>82.02</u>	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:04:37	26, b	S 1
	<u>104.47</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:41	28	
	<u>125.07</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:27	29	
	<u>127.69</u>	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:06:47	30	
	<u>160.73</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:52	31	
	<u>172.49</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:08:21	32	
	<u>174.92</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:34	33	
	<u>183.38</u>	Tap Factory Made Defective, at 02 o'clock, 4", within 8 inch: NO	00:09:01	34, b	M 2
	<u>199.80</u>	Crack Circumferential, from 10 to 12 o'clock, within 8 inch: YES	00:09:51	36, b	S 1
	<u>228.08</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:59	38	
	<u>235.76</u>	Crack Spiral, from 01 to 03 o'clock, within 8 inch: YES	00:11:24	39, b	S 2
	<u>257.72</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:21	41	
	<u>290.37</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:18	42	
	<u>310.87</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:14:04	43	
	<u>313.30</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:14:20	44	
	<u>319.23</u>	Downstream Manhole, 1922-0140 Survey Ends	00:14:53	45	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5121	2300	9	6	15	2.25	2	2.14



Inspection report

Date: 20080911	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 532	PSR: 84661
Total Pipe Length: 394	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 11 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: PARK ST	Flow Control: N Not Controlled	Start MH: 1976-0008
City: BFL	Year Renewed:	End MH: 1922-0140
Location Code: C Light Highway	Tape/Media # 019	pipe length: 156.36 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 394
Drain. Area: 0008 1976-0140 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:400	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1922-0140 Survey Begins	00:00:27	46	
	4.57	Water Level, 5 % of cross sectional area	00:00:59		M 2
	4.57	Water Mark, 5 % of cross sectional area	00:01:39		M 2
	33.14	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:30	47	
	80.66	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:57	48	
	86.20	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:16	49	
	92.61	Deposits Attached Grease, 10 % of cross sectional area, from 10 to 02 o'clock, within 8 inch: YES	00:03:34	50	M 2
	99.32	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:03:56	51, b	S 1
	123.61	Crack Circumferential, from 09 to 12 o'clock, within 8 inch: YES	00:05:01	53	S 1
	123.71	Crack Circumferential, from 09 to 11 o'clock, within 8 inch: YES	00:05:28	54, b	S 1
	124.97	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:58	56	
	154.81	Tap Break-In, at 02 o'clock, 4", within 8 inch: NO	00:07:08	57	
	154.90	Hole Soil Visible, from 02 to 06 o'clock, within 8 inch: NO	00:08:30	58, b	S 5
	156.36	Survey Abandoned, Remark: BROKEN PIPE	00:10:25	60, b	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5113	2300	8	6	14	2	2	2



Inspection report

Date: 20080907	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 434	PSR: 36554
Total Pipe Length: 276	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.07.2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0040
City: BFL	Year Renewed:	End MH: 1976-0041
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 261.22 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 276
Drain. Area: 0040 1976-0041 1976	Lining Method:
	Category:

Remark: **MH S REVERSED ON MAP**

1:650	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0040		1	
	0.00	Water Level, 5 % of cross sectional area			M 2
	0.00	Water Mark, 5 % of cross sectional area			M 2
	75.51	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:03:46	6	
	96.01	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:41	7	
	156.17	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:44	8	
	183.67	Hole Void Visible, from 11 to 01 o'clock, within 8 inch: YES	00:08:01	9, b	S 5
	218.17	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:33	11	
	235.76	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:15	12	
	261.22	Upstream Manhole, Survey Ends 1976-0041	00:11:38	13	

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



Inspection report

Date: 20080827	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 287	PSR: 36365
Total Pipe Length:	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 27 2008	Pre-Cleaned: J Jetting	Map Grid #:

Street: PARK ST	Flow Control: N Not Controlled	Start MH: 1976-0222
City: BFL	Year Renewed:	End MH: 1976-0223
Location Code: C Light Highway	Tape/Media #:	pipe length: 59.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length:
Drain. Area: 0222 1976-0223 1976	Lining Method:
	Category:

Remark: **REVERSE INSPECTION**

1:150	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0222		3956	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	43.40	Water Level, Sag in pipe, 25' of cross sectional area	00:03:02		M 2
	51.70	Water Level, 10' of cross sectional area	00:03:23		M 2
	59.00	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES, Remark: Clay Brick	00:03:46	3957	
	59.40	Hole Soil Visible, from 05 to 09 o'clock, within 8 inch: YES	00:06:00	3958, b	S 5
	59.50	Survey Abandoned, Remark: CAMARA BLOCKED	00:06:12	3960	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2400	5	8	13	5	2	2.6



Inspection report

Date: 20080909	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 443	PSR: 36562
Total Pipe Length: 322	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.09.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0046
City: BFL	Year Renewed	End MH: 1976-0047
Location Code: A Main Highway - Urban	Tape/Media ☐	pipe length: 316.04 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 322
Drain. Area: 0046 1976-0047 1976	Lining Method:
	Category:

Remark:: **MH☐ REVERSED ON MAP**

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0047		93	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	8.13	Crack Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:01:15	94, b	S 3
	14.56	Fracture Multiple, from 04 to 07 o'clock, within 8 inch: YES	00:01:38	96, b	S 4
	34.74	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:46	98	
	37.75	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:03:06	99, b	S 3
	46.18	Fracture Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:03:37	101, b	S 4
	65.76	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:04:43	103, b	S 2
	73.79	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:05:08	105, b	S 4
	88.85	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:05:42	107, b	S 4
	95.37	Fracture Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:06:06	109, b	S 4
	131.52 S1	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES, start	00:07:18	111, b	S 3
	174.08 F1	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES, end	00:08:39	113, b	S 3
	191.75	Fracture Multiple, from 04 to 05 o'clock, within 8 inch: YES	00:09:15	115, b	S 4
	200.59	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:49	117	
	203.10	Crack Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:10:08	118, b	S 3
	212.43	Crack Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:10:36	120, b	S 3
	221.37	Crack Longitudinal, at 08 o'clock, within 8 inch: YES	00:11:09	122, b	S 2
	227.69	Fracture Multiple, from 07 to 02 o'clock, within 8 inch: YES	00:11:34	124, b	S 4
	236.63	Fracture Multiple, from 03 to 07 o'clock, within 8 inch: YES	00:12:04	126, b	S 4
	246.07	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:12:32	128, b	S 4
	251.99	Crack Multiple, from 03 to 12 o'clock, within 8 inch: YES	00:13:02	130, b	S 3



Inspection report

Date: 20080909	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 443	PSR: 36562
Total Pipe Length: 322	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 09 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:627	position	observation	MPEG	photo	grade
	<u>261.53</u>	Crack Multiple, from 03 to 04 o'clock, within 8 inch: YES	00:13:38	132, b	S 3
	<u>269.36</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:14:10	134	
	<u>275.38</u>	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:14:33	135, b	S 4
	<u>285.02</u>	Fracture Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:15:06	137, b	S 4
	<u>287.83</u>	Fracture Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:15:32	139, b	S 4
	<u>290.74</u>	Fracture Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:15:52	141, b	S 4
	<u>306.00</u>	Fracture Longitudinal, at 03 o'clock, within 8 inch: YES	00:16:33	143, b	S 3
	<u>308.01</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:16:53	145	
	<u>308.51</u>	Crack Multiple, from 01 to 10 o'clock, within 8 inch: YES	00:17:05	146, b	S 3
	<u>311.42</u>	Fracture Multiple, from 09 to 02 o'clock, within 8 inch: YES	00:17:24	148, b	S 4
	<u>316.04</u>	Downstream Manhole, Survey Ends 1976-0046	00:18:11	150	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4B3B	2200	111	4	115	3.36	2	3.29



Inspection report

Date: 20080908	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 444	PSR: 36563
Total Pipe Length: 318	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.08.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0047
City: BFL	Year Renewed	End MH: 1976-0048
Location Code: A Main Highway - Urban	Tape/Media ☐	pipe length: 316.64 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 318
Drain. Area: 0047 1976-0048 1976	Lining Method:
	Category:

Remark:: **MH☐ REVERSED ON MAP**

1:495	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0047		43	
	<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
	6.12	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:13	44	
	<u>12.05</u>	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:01:34	45, b	S 4
	<u>17.87</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:01	47, b	S 2
	<u>21.58</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:02:26	49, b	S 2
	<u>27.01</u>	Fracture Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:02:48	51, b	S 4
	<u>36.34</u>	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:03:17	53, b	S 3
	<u>38.95</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:35	55	
	<u>38.95</u>	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:03:45	56, b	S 3
	<u>47.99</u> S1	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES, start	00:04:11	58, b	S 3
	<u>85.84</u>	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:05:52	60, b	S 3
	<u>86.84</u>	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:06:09	62	
	<u>93.27</u> F1	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES, end	00:06:34	63, b	S 3
	<u>104.71</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:07:02	65, b	S 4
	<u>113.24</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:04	67	
	<u>122.28</u>	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:08:31	68, b	S 4
	<u>128.81</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:09:02	70, b	S 2
	<u>149.59</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:09:44	72, b	S 2
	<u>161.13</u>	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:16	74	
	<u>164.44</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:10:36	75, b	S 2
	<u>173.18</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:11:05	77, b	S 4
	<u>205.91</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:12:18	79, b	S 2



Inspection report

Date: 20080908	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 444	PSR: 36563
Total Pipe Length: 318	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.08.2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:495	position	observation	MPEG	photo	grade
	212.13	Fracture Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:12:40	81, b	S 4
	236.33	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:13:33	83	
	263.53	Crack Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:14:26	84, b	S 3
	266.04	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:44	86	
	268.75	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:14:59	87, b	S 2
	280.40	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:15:30	89, b	S 4
	307.91	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:16:33	91	
	316.64	Upstream Manhole, Survey Ends 1976-0048	00:17:55	92	



Inspection report

Date: 20080916	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 548	PSR: 36293
Total Pipe Length: 284	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 15 2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0264
City: BFL	Year Renewed	End MH: 1976-0265
Location Code: A Main Highway - Urban	Tape/Media ☐: 026	pipe length: 308.64 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 284
Drain. Area: 0264 1976-0265 1976	Lining Method:
	Category:

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

1:775	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0265		76	
	<u>0.00</u>	Water Level, 0 ☐ of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 0 ☐ of cross sectional area			M 2
	<u>19.34</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:56	77	
	<u>43.44</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:46	78	
	<u>59.08</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:22	79	
	<u>60.54</u>	Fracture Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:03:36	80, b	S 4
	<u>108.35</u>	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:05:54	82, b	S 4
	<u>108.45</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:20	84	
	<u>118.27</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:07:06	85, b	S 4
	<u>128.28</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:07:58	87, b	S 4
	<u>129.15</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:22	89	
	<u>168.02</u>	Crack Spiral, from 07 to 11 o'clock, within 8 inch: YES	00:10:23	90, b	S 2
	<u>210.20</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:53	92	
	<u>220.98</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:58	93	
	<u>234.69</u>	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:13:30	96, b	S 2
	<u>243.33</u>	Crack Spiral, from 04 to 10 o'clock, within 8 inch: YES	00:14:00	98, b	S 2
	<u>283.86</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:15:28	100	
	<u>294.26</u>	Fracture Spiral, from 09 to 03 o'clock, within 8 inch: YES	00:16:14	94, b	S 3
	<u>294.55</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:16:34	101	
	<u>303.49</u>	Joint Offset Medium	00:16:57	102, b	S 1
	<u>308.64</u>	Downstream Manhole, Survey Ends 1976-0264	00:17:43	104	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4431	2200	26	4	30	2.89	2	2.73



Inspection report

Date: 20080814	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 36	PSR: 43610
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/14/2008	Pre-Cleaned: J Jetting	Map Grid #: 1921

Street: HARVARD ST	Flow Control: N Not Controlled	Start MH: 1921-0704
City: BFL	Year Renewed:	End MH: 1921-0710
Location Code: C Light Highway	Tape/Media #:	pipe length: 353.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 348
Drain. Area: 0704/1921-0710/1921	Lining Method:
	Category:

Remark: **AGAINST THE FLOW**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1921-0710			274
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	56.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:09	300	
	59.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:21	301	
	70.20	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:46	302, b	S 4
	96.80	Crack Multiple, from 04 to 05 o'clock, within 8 inch: YES	00:03:46	304, b	S 3
	108.80	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:15	306	
	117.95	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:36	307	
	160.95	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:44	308	
	164.60	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:05:56	309, b	S 4
	166.60	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:12	311	
	167.05	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:22	312, b	S 4
	170.50	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:06:54	314, b	S 4
	213.20	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:10	316	
	219.20	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:28	317	
	269.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:42	318	
	272.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:52	319	
	318.15	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:59	320	
	321.00	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:10	321	
	346.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:54	322	
	349.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:12:05	323	
	353.95	Upstream Manhole, Survey Ends 1921-0704	00:12:24	324	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4431	2200	19	4	23	3.8	2	3.29



Inspection report

Date: 20080905	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 334	PSR: 43269
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.05.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0156
City: BFL	Year Renewed	End MH: 1922-0157
Location Code: A Main Highway - Urban	Tape/Media ☐	pipe length: 321.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 325
Drain. Area: 0156 1922-0157 1922	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0156			135
	<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>37.61</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:22	138	
	<u>42.37</u>	Crack Spiral, from 07 to 05 o'clock, within 8 inch: YES	00:02:40	139, b	S 2
	<u>49.17</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:27	141	
	<u>83.38</u>	Crack Spiral, from 07 to 03 o'clock, within 8 inch: YES	00:05:00	142, b	S 2
	<u>102.91</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:05:47	144	
	<u>109.71</u>	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:06:41	145, b	S 4
	<u>137.80</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:55	147	
	<u>162.09</u>	Crack Multiple, from 01 to 08 o'clock, within 8 inch: YES	00:09:05	148, b	S 3
	<u>187.26</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:20	150	
	<u>191.05</u>	Fracture Multiple, from 02 to 11 o'clock, within 8 inch: YES	00:11:00	151, b	S 4
	<u>224.97</u>	Crack Spiral, from 04 to 01 o'clock, within 8 inch: YES	00:12:21	153, b	S 2
	<u>228.66</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:54	156	
	<u>265.49</u>	Crack Spiral, from 11 to 05 o'clock, within 8 inch: YES	00:14:15	157, b	S 2
	<u>282.69</u>	Crack Spiral, from 09 to 04 o'clock, within 8 inch: YES	00:15:16	159, b	S 2
	<u>296.20</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:15:56	161	
	<u>317.77</u>	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:16:44	162, b	S 4
	<u>321.95</u>	Downstream Manhole, Survey Ends 1922-0157	00:17:45	155	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4331	2200	25	4	29	2.78	2	2.64



Inspection report

Date: 20080821	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 113	PSR: 43416
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 21 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1922-0058
City: BFL	Year Renewed:	End MH: 1922-0070
Location Code: C Light Highway	Tape/Media #:	pipe length: 294.55 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: 0058 1922-0070 1922	Lining Method:
	Category:

Remark:: **NONE**

1:561	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0058 Survey Begins	00:01:26		
	0.00	Water Level, 15 % of cross sectional area	00:01:34		M 2
	0.00	Water Mark, 15 % of cross sectional area	00:01:37		M 2
	6.03	Crack Spiral, from 08 to 10 o'clock, within 8 inch: YES	00:01:58	1642, b	S 2
	8.75	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:12	1644	
	17.88	Crack Longitudinal, at 10 o'clock, within 8 inch: NO	00:02:38	1645, b	S 2
	17.88	Crack Longitudinal, at 05 o'clock, within 8 inch: YES	00:02:47	1647, b	S 2
	48.88	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:50	1649	
	61.81	Roots Fine Joint, from 10 to 02 o'clock, within 8 inch: YES	00:04:21	1650, b	
	66.28	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:04:53		
	71.81	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:11	1652	
	90.96	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:05:55	1653, b	S 2
	108.84	Crack Circumferential, from 12 to 02 o'clock, within 8 inch: YES	00:06:48	1655, b	S 1
	115.93	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:16	1657	
	135.18	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:07:52	1658, b	S 2
	137.99	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:08:18	1660, b	S 4
	139.65	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:42	1662	
	143.82	Crack Circumferential, from 11 to 04 o'clock, within 8 inch: YES	00:09:05	1663, b	S 1
	149.95	Fracture Multiple, from 11 to 03 o'clock, within 8 inch: YES	00:09:47	1665, b	S 4
	152.47	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:10:09	1667, b	S 4
	154.13	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:23	1669	
	156.26	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:36	1670	
	197.95	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:51	1671	
	230.41	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:48		



Inspection report

Date: 20080821	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 113	PSR: 43416
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 21 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:561	position	observation	MPEG	photo	grade		
		Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:13:29	1672			
		Downstream Manhole, 1922-0070 Survey Ends	00:15:04	1673			
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4325	2200	24	4	28	2.4	2	2.33



Inspection report

Date: 20080903	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 357	PSR: 43277
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.02.2008	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐ 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0164
City: BFL	Year Renewed	End MH: 1922-0165
Location Code: A Main Highway - Urban	Tape/Media ☐	pipe length: 331.35 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 333
Drain. Area: 0164 1922-0165 1922	Lining Method:
	Category:

Remark.: **AGAINST THE FLOW**

1:825	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0165		62	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	3.05	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:00:40	63, b	S 4
	48.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:51	65	
	93.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:58	66	
	105.95	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:03:29	67, b	S 4
	138.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:46	69	
	192.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:07	70	
	206.40	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:32	71	
	243.15	Fracture Multiple, from 03 to 05 o'clock, within 8 inch: YES	00:08:11	72, b	S 4
	263.25	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:52	74	
	281.45	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:09:21	75	
	323.15	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:24	76	
	331.35	Upstream Manhole, Survey Ends 1922-0164	00:10:49	77	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4300	2200	12	4	16	4	2	3.2



Inspection report

Date: 20080814	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 157	PSR: 36503
Total Pipe Length: 270	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/14/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ARDMORE AV	Flow Control: N Not Controlled	Start MH: 1976-0108
City: BFL	Year Renewed:	End MH: 1976-0109
Location Code: C Light Highway	Tape/Media #:	pipe length: 281.91 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 270
Drain. Area: 0108 1976-0109 1976	Lining Method:
	Category:

Remark: **MH REVERSED ON MAP**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0109		2546	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 15' of cross sectional area			M 2
	10.74	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:01	2547	
	34.54	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:01:45	2548	
	36.84	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:01:59	2549	
	50.50	Crack Multiple, from 01 to 04 o'clock, within 8 inch: YES	00:02:29	2550, b	S 3
	55.42 S1	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:50	2552, b	S 4
	72.89	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:26	2554	
	93.57	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:07	2555	
	135.23	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:18	2556	
	137.64	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:30	2557	
	141.35	Fracture Multiple, from 07 to 10 o'clock, within 8 inch: YES	00:05:46	2558, b	S 4
	188.44	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:07:05	2560	
	208.92	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:48	2561	
	232.71	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:08:35	2562	
	275.68 F1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:09:46	2563, b	S 3
	281.91	Downstream Manhole, Survey Ends 1976-0108	00:10:20	2565	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2200	14	4	18	3.5	2	3



Inspection report

Date: 20080903	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 365	PSR: 43267
Total Pipe Length: 300	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.03.2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0154
City: BFL	Year Renewed:	End MH: 1922-0155
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 330.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 300
Drain. Area: 0154 1922-0155 1922	Lining Method:
	Category:

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

1:825	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0154			47
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	14.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:56		48
	68.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:44		49
	112.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:35		50
	113.60	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:04:44		51
	134.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:29		52
	153.60	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:06:30	53, b	S 2
	201.05	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:09		55
	252.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:57		56
	303.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:11:34		57
	316.05	Crack Multiple, from 05 to 07 o'clock, within 8 inch: YES	00:12:14	58, b	S 3
	322.25	Fracture Longitudinal, at 04 o'clock, within 8 inch: YES	00:12:44	60, b	S 3
	323.45	Fracture Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:13:05	62, b	S 4
	326.20	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:13:37	64, b	S 4
	328.60	Material Change, CAS Cast Iron	00:14:03	66, b	
	330.90	Upstream Manhole, Survey Ends 1922-0155	00:14:29		68

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4232	2200	16	4	20	3.2	2	2.86



Inspection report

Date: 20080813	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 167	PSR: 36213
Total Pipe Length: 213	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.13.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0310
City: BFL	Year Renewed	End MH: 1976-0311
Location Code: C Light Highway	Tape/Media ☐	pipe length: 215.14 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 213
Drain. Area: 0310 1976-0311 1976	Lining Method:
	Category:

Remark.: **A THE FLOW**

1:525	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0310		2702	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	22.39	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:01:05	2703	
	24.80	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:14	2704	
	25.30	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:22	2705, b	S 4
	69.67	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:02:56	2707	
	96.38	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:47	2708	
	115.05	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:04:22	2709, b	S 2
	124.59	Fracture Multiple, from 08 to 10 o'clock, within 8 inch: YES	00:04:54	2711, b	S 4
	147.58	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:06:15	2713	
	150.29	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:06:24	2714	
	171.77	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:07:55	2715	S 3
	201.69	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:10:02	2716	
	203.40	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:10:18	2717	
	215.14	Upstream Manhole, Survey Ends 1976-0311	00:11:44	2718	

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



Inspection report

Date: 20080909	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 442	PSR: 36561
Total Pipe Length: 353	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.09.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1976-0045
City: BFL	Year Renewed	End MH: 1976-0046
Location Code: A Main Highway - Urban	Tape/Media ☐	pipe length: 345.25 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: 0045 1976-0046 1976	Lining Method:
	Category:

Remark:: **MH☐ REVERSED ON MAP**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0046		151	
	<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>20.08</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:02:03	152	
	<u>65.16</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:41	153	
	<u>112.64</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:19	154	
	<u>147.78</u>	Tap Factory Made Active, at 11 o'clock, 6", within 8 inch: YES	00:09:24	155	
	<u>164.85</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:07:20	156	
	<u>203.20</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:34	157	
	<u>223.88</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:11:49	158, b	S 2
	<u>239.24</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:12:27	160, b	S 2
	<u>242.05</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:12:45	162	
	<u>250.78</u>	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:13:09	163, b	S 4
	<u>265.84</u>	Crack Multiple, from 03 to 08 o'clock, within 8 inch: YES	00:13:46	165, b	S 3
	<u>271.57</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:14:09	167, b	S 2
	<u>298.77</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:15:04	169	
	<u>310.92</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:15:31	170, b	S 4
	<u>328.29</u>	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:16:22	172	
	<u>345.25</u>	Downstream Manhole, Survey Ends 1976-0046	00:18:52	173	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2200	17	4	21	2.83	2	2.63



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 83	PSR: 43308
Total Pipe Length: 275	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0195
City: BFL	Year Renewed:	End MH: 1922-0196
Location Code: C Light Highway	Tape/Media #:	pipe length: 306.55 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 275
Drain. Area: 0195 1922-0196 1922	Lining Method:
	Category:

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

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0196		691	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	49.25	Fracture Multiple, from 06 to 02 o'clock, within 8 inch: YES	00:01:44	692, b	S 4
	57.00	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:06	694	
	59.75	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:17	695	
	96.90	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:18	696	
	107.80	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:43	697	
	110.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:55	698	
	131.40	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:35	699	
	134.00	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:48	700	
	135.40	Crack Multiple, from 07 to 12 o'clock, within 8 inch: YES	00:05:02	701, b	S 3
	136.70	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:16	703	
	140.50	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:05:31	704	
	181.20	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:34	705	
	184.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:47	706	
	201.90	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:23	707	
	212.25	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:49	708	
	212.55	Fracture Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:07:58	709, b	S 4
	226.10	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:30	711	
	234.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:54	712	
	256.85	Crack Spiral, from 08 to 04 o'clock, within 8 inch: YES	00:09:34	713, b	S 2



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 83	PSR: 43308
Total Pipe Length: 275	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 19 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:627	position	observation	MPEG	photo	grade
	268.10	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:10:04	715	
	279.45	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:10:30	716	
	282.05	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:10:48	717	
	295.15	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:11:17	718	
	306.55	Downstream Manhole, Survey Ends 1922-0195	00:12:20	719	

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



Inspection report

Date: 20080905	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 341	PSR: 43223
Total Pipe Length: 302	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.05.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1922

Street: LAKEWOOD BV	Flow Control: N Not Controlled	Start MH: 1922-0233
City: BFL	Year Renewed	End MH: 1922-TRNK
Location Code: A Main Highway - Urban	Tape/Media ☐: 0	pipe length: 322.24 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 302
Drain. Area: 0233 1922-TRNK 1922	Lining Method:
	Category:

Remark:: **NONE**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0233		106	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 25 ☐ of cross sectional area			M 2
	5.44	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:40	107	
	12.92	Crack Spiral, from 10 to 04 o'clock, within 8 inch: YES	00:02:09	108, b	S 2
	29.06	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:04	110	
	97.66	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:21	111	
	122.54	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:06:16	112, b	S 2
	134.88	Crack Spiral, from 07 to 02 o'clock, within 8 inch: YES	00:06:57	114, b	S 2
	145.09	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:38	116	
	173.07	Crack Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:08:46	117, b	S 3
	198.63	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:53	119	
	202.42	Crack Spiral, from 02 to 12 o'clock, within 8 inch: YES	00:10:17	120, b	S 2
	211.36	Fracture Multiple, from 02 to 10 o'clock, within 8 inch: YES	00:10:50	122, b	S 4
	232.35	Crack Spiral, from 07 to 03 o'clock, within 8 inch: YES	00:12:05	125, b	S 2
	237.41	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:12:28	127	
	247.42	Crack Spiral, from 02 to 09 o'clock, within 8 inch: YES	00:13:05	128, b	S 2
	275.89	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:14:31	130	
	285.70	Crack Spiral, from 09 to 03 o'clock, within 8 inch: YES	00:15:06	131, b	S 2
	316.12	Fracture Multiple, from 04 to 10 o'clock, within 8 inch: YES	00:16:29	133, b	S 4
	322.24	Downstream Manhole, Survey Ends 1922-TRNK	00:17:34	124	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4231	2200	25	4	29	2.5	2	2.42



Inspection report

Date: 20080821	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 114	PSR: 43417
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 21 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1922-0059
City: BFL	Year Renewed:	End MH: 1922-0060
Location Code: C Light Highway	Tape/Media #:	pipe length: 298.44 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: 0059 1922-0060 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:750	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1922-0059 Survey Begins		1674	
	0.00	Water Level, 15 of cross sectional area	00:00:44		M 2
	0.00	Water Mark, 40 % of cross sectional area	00:00:46		M 3
	9.82	Fracture Multiple, from 10 to 05 o'clock, within 8 inch: YES	00:01:12	1675, b	S 4
	72.01	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:10	1677	
	76.09	Roots Fine Joint, from 05 to 07 o'clock, within 8 inch: YES	00:03:24	1678, b	
	76.48	Crack Spiral, from 09 to 12 o'clock, within 8 inch: YES	00:03:42	1680, b	S 2
	92.71	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:37	1682	
	128.76	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:05:40	1683, b	S 4
	134.69	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:26	1685	
	143.53	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:09	1686	
	189.11	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:43	1687	
	207.38	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:21	1688	
	214.28	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:09:40	1689, b	S 1
	251.11	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:46	1691	
	283.18	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:56	1692	
	298.44	Upstream Manhole, 1922-0060 Survey Ends	00:13:12	1693	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4221	3121	11	5	16	2.75	2.5	2.67



Inspection report

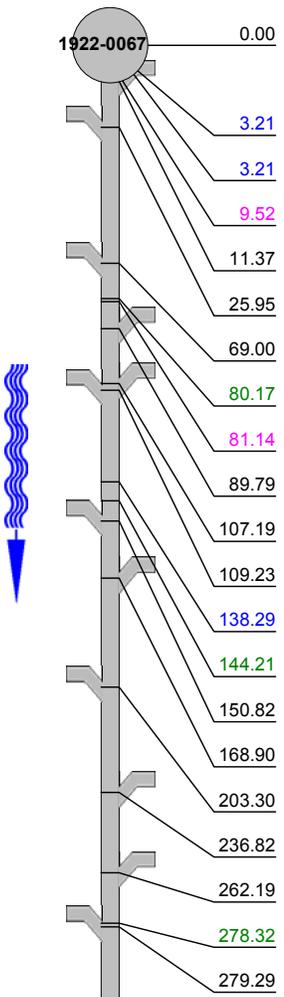
Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 123	PSR: 43426
Total Pipe Length: 349	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1922-0067
City: BFL	Year Renewed:	End MH: 1922-0068
Location Code: C Light Highway	Tape/Media #:	pipe length: 322.54 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 349
Drain. Area: 0067 1922-0068 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:726	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0068 Survey Begins	00:00:04	1895	
	<u>3.21</u>	Water Level, 10' of cross sectional area	00:00:21		M 2
	<u>3.21</u>	Water Mark, 10' of cross sectional area	00:00:21		M 2
	<u>9.52</u>	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:00:37	1896, b	S 4
	<u>11.37</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:00	1898	
	<u>25.95</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:01:35	1899	
	<u>69.00</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:09	1900	
	<u>80.17</u>	Crack Circumferential, from 07 to 02 o'clock, within 8 inch: YES	00:03:41	1901, b	S 1
	<u>81.14</u>	Fracture Multiple, from 04 to 09 o'clock, within 8 inch: YES	00:03:56	1903, b	S 4
	<u>89.79</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:31	1905	
	<u>107.19</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:21	1906	
	<u>109.23</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:39	1907	
	<u>138.29</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:06:56	1908, b	S 2
	<u>144.21</u>	Crack Circumferential, from 10 to 02 o'clock, within 8 inch: YES	00:07:25	1910, b	S 1
	<u>150.82</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:07:54	1912	
	<u>168.90</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:34	1913	
	<u>203.30</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:01	1914	
	<u>236.82</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:11:21	1915	
	<u>262.19</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:44	1916	
	<u>278.32</u>	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:13:39	1917, b	S 1
	<u>279.29</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:54	1919	



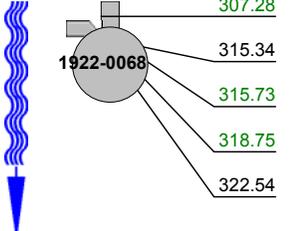


Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 123	PSR: 43426
Total Pipe Length: 349	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 19 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:726	position	observation	MPEG	photo	grade
	307.28	Crack Circumferential, from 11 to 01 o'clock, within 8 inch: YES	00:15:10	1920, b	S 1
	315.34	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:15:39	1922	
	315.73	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	00:15:51	1923, b	S 1
	318.75	Crack Circumferential, from 04 to 08 o'clock, within 8 inch: YES	00:16:11	1925, b	S 1
	322.54	Downstream Manhole, 1922-0067 Survey Ends	00:16:58	1927	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4221	2200	16	4	20	1.78	2	1.82





Inspection report

Date: 20080815	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 21	PSR: 36456
Total Pipe Length: 275	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 15 2008	Pre-Cleaned: J Jetting	Map Grid #:

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0064
City: BFL	Year Renewed:	End MH: 1976-0108
Location Code: C Light Highway	Tape/Media #:	pipe length: 265.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 275
Drain. Area: 0064 1976-0108 1976	Lining Method:
	Category:

Remark:: **NONE**

1:650	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0064 Survey Begins	00:00:02	405	
	<u>2.53</u>	Water Level, 5 # of cross sectional area	00:00:21		M 2
	<u>2.53</u>	Water Mark, 5 # of cross sectional area	00:00:21		M 2
	<u>7.39</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:00:34	406	
	<u>8.45</u>	Crack Circumferential, from 07 to 05 o'clock, within 8 inch: YES	00:00:46	407, b	S 1
	<u>33.72</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:43	409	
	<u>43.92</u>	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:02:10	410, b	S 4
	<u>67.83</u>	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:03:09	412, b	S 1
	<u>69.19</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:29	414	
	<u>71.62</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:42	415	
	<u>110.20</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:05	416	
	<u>112.53</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:19	417	
	<u>153.74</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:30	418	
	<u>154.61</u>	Crack Circumferential, from 07 to 05 o'clock, within 8 inch: YES	00:06:41	419, b	S 1
	<u>181.53</u>	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:08	421, b	S 4
	<u>184.83</u>	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:08:30	423, b	S 1
	<u>192.22</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:54	425	
	<u>247.03</u>	Crack Circumferential, from 08 to 03 o'clock, within 8 inch: YES	00:10:19	46, b	S 1
	<u>262.67</u>	Drop Connection	00:10:54	428	
	<u>265.20</u>	Downstream Manhole, 1976-0108 Survey Ends	00:11:42	429	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4215	2200	13	4	17	1.86	2	1.89



Inspection report

Date: 20080821	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 119	PSR: 43422
Total Pipe Length: 348	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 21 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1922-0064
City: BFL	Year Renewed:	End MH: 1922-0065
Location Code: C Light Highway	Tape/Media #:	pipe length: 296.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 348
Drain. Area: 0064 1922-0065 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0065 Survey Begins		1787	
	<u>2.53</u>	Water Level, 10 # of cross sectional area	00:00:27		M 2
	<u>2.53</u>	Water Mark, 10 of cross sectional area	00:00:30		M 2
	<u>3.30</u>	Fracture Multiple, from 04 to 08 o'clock, within 8 inch: YES	00:00:41	1788, b	S 4
	<u>9.43</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:03	1790	
	<u>13.80</u>	Crack Circumferential, from 10 to 01 o'clock, within 8 inch: YES	00:01:21	1791, b	S 1
	<u>20.70</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:02	1793	
	<u>38.09</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:46	1794	
	<u>55.78</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:28	1795	
	<u>72.30</u>	Crack Circumferential, from 01 to 03 o'clock, within 8 inch: YES	00:04:11	1796, b	S 1
	<u>76.38</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:32	1798	
	<u>80.46</u>	Crack Circumferential, from 10 to 05 o'clock, within 8 inch: YES	00:04:50	1799, b	S 1
	<u>114.57</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:51	1801	
	<u>116.81</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:06	1802	
	<u>143.53</u>	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:06:57	1803	
	<u>164.43</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:40	1804	
	<u>174.63</u>	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:08:14	1805, b	S 4
	<u>175.80</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:30	1807	
	<u>178.23</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:47	1808	
	<u>213.60</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:09:56	1809	
	<u>234.30</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:39	1810	
	<u>257.72</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:27	1811	
	<u>296.20</u>	Downstream Manhole, 1922-0064 Survey Ends	00:13:11	1812	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4213	2200	11	4	15	2.2	2	2.14



Inspection report

Date: 20080812	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 162	PSR: 36208
Total Pipe Length: 195	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/13/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0306
City: BFL	Year Renewed:	End MH: 1976-0307
Location Code: C Light Highway	Tape/Media #:	pipe length: 215.24 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 195
Drain. Area: 0306 1976-0307 1976	Lining Method:
	Category:

Remark: **MH # REVERSED ON MAP**

1:525	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-307		2643	
	0.00	Water Level, 5 # of cross sectional area			M 2
	0.00	Water Mark, 10 # of cross sectional area	00:00:40		M 2
	31.52	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:44	2644	
	32.43	Fracture Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:01:54	2645, b	S 4
	39.15	Crack Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:02:23	2647, b	S 3
	49.09	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:50	2649	
	69.67	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:35	2650	
	78.11	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:03:59	2651	
	88.85	Fracture Longitudinal, at 12 o'clock, within 8 inch: YES	00:04:25	2652, b	S 3
	128.91	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:05:36	2654	
	138.74	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:06:04	2655, b	S 3
	140.25	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:30	2657	
	182.11	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:57	2658	
	184.52	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:08:12	2659	
	215.24	Downstream Manhole, Survey Ends 1976-0308	00:09:17	2660	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	13	4	17	3.25	2	2.83



Inspection report

Date: 20080814	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 151	PSR: 36465
Total Pipe Length: 288	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/14/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARDMORE AV	Flow Control: N Not Controlled	Start MH: 1976-0071
City: BFL	Year Renewed	End MH: 1976-0109
Location Code: C Light Highway	Tape/Media ☐	pipe length: 281.5 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: 0071 1976-0109 1976	Lining Method:
	Category:

Remark:: **None**

1:700	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0071		2461	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 10 of cross sectional area			M 2
	23.99	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:53	2462, b	S 3
	44.98	Crack Multiple, from 03 to 09 o'clock, within 8 inch: YES	00:02:35	2464, b	S 3
	50.90 S1	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:57	2466, b	S 4
	70.38	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:03:37	2468	
	124.09	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:05:08	2469	
	126.80	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:20	2470	
	168.36	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:06:24	2471	
	186.03	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:57	2472	
	215.75	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:48	2473	
	218.36	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:00	2474	
	261.43 F1	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES, end	00:09:07	2475, b	S 3
	268.95	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:30	2477	
	271.46	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:44	2478	
	281.50	Downstream Manhole, Survey Ends 1976-0109	00:10:15	2479	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2200	13	4	17	3.25	2	2.83



Inspection report

Date: 20080813	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 160	PSR: 36206
Total Pipe Length: 272	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.13.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0305
City: BFL	Year Renewed	End MH: 1976-0306
Location Code: C Light Highway	Tape/Media ☐	pipe length: 331.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 272
Drain. Area: 0305 1976-0306 1976	Lining Method:
	Category:

Remark:: **MH ☐ REVERSED ON MAP**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0306		2604	
	<u>0.00</u>	Water Level, 5 ☐ of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 10 ☐ of cross sectional area			M 2
	<u>6.12</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:09	2605	
	<u>8.53</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:23	2606	
	<u>53.41</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:36	2607	
	<u>55.92</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:49	2608	
	<u>91.76</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:03:51	2609	
	<u>94.37</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:06	2610	
	<u>95.68</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:18	2611, b	S 4
	<u>127.20</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:05:16	2613	
	<u>129.71</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:05:30	2614	
	<u>130.91</u>	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:05:44	2615, b	S 3
	<u>168.26</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:06:54	2617	
	<u>171.17</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:07:08	2618	
	<u>195.77</u>	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:08:04	2619, b	S 3
	<u>234.12</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:17	2621	
	<u>236.43</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:33	2622	
	<u>263.03</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:10:24	2623	
	<u>265.74</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:10:38	2624	
	<u>313.53</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:12:04	2625	
	<u>316.04</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:22	2626	
	<u>331.10</u>	Downstream Manhole, Survey Ends 1976-0305	00:13:00	2627	

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



Inspection report

Date: 20080905	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 497	PSR: 36110
Total Pipe Length: 347	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.05.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: BEACH ST	Flow Control: N Not Controlled	Start MH: 1976-0461
City: BFL	Year Renewed	End MH: 1976-0492
Location Code: C Light Highway	Tape/Media ☐: 015	pipe length: 346.64 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 347
Drain. Area: 0461 1976-0492 1976	Lining Method:
	Category:

Remark.: **NONE**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0461 Survey Begins	00:00:03		
	<u>0.39</u>	Water Level, 1 ☐ of cross sectional area	00:00:12		M 2
	<u>0.39</u>	Water Mark, 5 ☐ of cross sectional area	00:00:12		M 2
	<u>5.64</u>	Crack Multiple, from 10 to 01 o'clock, within 8 inch: YES	00:00:22	6971	S 3
	<u>21.87</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:03	6972	
	<u>24.49</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:16	6973	
	<u>25.75</u>	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:01:28	6974, b	S 1
	<u>65.60</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:02:43	6976	
	<u>68.32</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:02:56	6977	
	<u>106.80</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:30	6978	
	<u>109.13</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:00	6979	
	<u>122.44</u>	Fracture Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:05:57	6980, b	S 4
	<u>153.54</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:18	6982	
	<u>156.17</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:35	6983	
	<u>181.14</u>	Crack Circumferential, from 03 to 08 o'clock, within 8 inch: YES	00:08:26	6984, b	S 1
	<u>194.65</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:09:08	6986	
	<u>197.08</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:09:22	6987	
	<u>230.02</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:23	6988	
	<u>232.06</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:40	6989	
	<u>251.11</u>	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:11:19	6990, b	S 3
	<u>273.46</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:05	6992	
	<u>276.18</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:20	6993	
	<u>286.39</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:12:50	6994, b	S 2
	<u>344.40</u>	Drop Connection	00:14:26	6996	
	<u>346.64</u>	Downstream Manhole, 1976-0492 Survey Ends	00:15:33		

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	14	4	18	2.33	2	2.25



Inspection report

Date: 20080827	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 244	PSR: 36120
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 27 2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1976

Street: BEVERLY ST	Flow Control: N Not Controlled	Start MH: 1976-0469
City: BFL	Year Renewed	End MH: 1976-0494
Location Code: C Light Highway	Tape/Media ☐	pipe length: 348 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 312
Drain. Area: 0469 1976-0494 1976	Lining Method:
	Category:

Remark::

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0469 Survey Begins	00:00:02	3418	
	0.19	Water Level, 1 ☐ of cross sectional area	00:01:08		M 2
	0.19	Water Mark, 5 ☐ of cross sectional area	00:01:08		M 2
	6.71	Crack Spiral, from 12 to 03 o'clock, within 8 inch: YES	00:01:33	3419, b	S 2
	35.57	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:48	3421	
	42.56	Crack Multiple, from 02 to 09 o'clock, within 8 inch: YES	00:03:21	3422, b	S 3
	63.75	Crack Multiple, from 01 to 10 o'clock, within 8 inch: YES	00:04:25	3424, b	S 3
	103.11	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:53	3426	
	105.63	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:11	3427	
	156.07	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:39	3428	
	158.40	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:59	3429	
	193.77	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:07	3430	
	196.20	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:21	3431	
	201.16	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:09:46	3432, b	S 2
	237.60	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:01	3434	
	240.13	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:11:16	3435	
	276.96	Crack Spiral, from 10 to 02 o'clock, within 8 inch: YES	00:12:36	3436, b	S 2
	281.43	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:02	3438	
	282.98	Fracture Multiple, from 07 to 02 o'clock, within 8 inch: YES	00:14:01	3439, b	S 4
	284.15	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:14:22	3441	
	342.65	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:16:02	3442, b	S 1
	345.37	Crack Circumferential, from 01 to 08 o'clock, within 8 inch: YES	00:16:29	3444, b	S 1
	346.05	Drop Connection	00:16:52	3446	
	348.00	Downstream Manhole, 1976-0494 Survey Ends	00:17:53	3447	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	18	4	22	2.25	2	2.2



Inspection report

Date: 20080819	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 132	PSR: 43298
Total Pipe Length: 289	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1922

Street: VIRGINIA AV	Flow Control: N Not Controlled	Start MH: 1922-0186
City: BFL	Year Renewed	End MH: 1922-0187
Location Code: C Light Highway	Tape/Media ☐	pipe length: 271.81 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 289
Drain. Area: 0186 1922-0187 1922	Lining Method:
	Category:

Remark:: **NONE**

1:594	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0186 Survey Begins	00:00:09	2048	
	0.00	Water Level, 1 ☐ of cross sectional area	00:00:59		M 2
	0.00	Water Mark, 5 ☐ of cross sectional area	00:01:04		M 2
	1.94	Tap Factory Made, at 12 o'clock, 2", within 8 inch: NO	00:01:29	2049	
	6.22	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:02	2050, b	S 2
	8.75	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:21	2052	
	14.48	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:51	2053	
	48.59	Crack Circumferential, from 01 to 04 o'clock, within 8 inch: YES	00:04:56	2054, b	S 1
	58.89	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:26	2056	
	73.37	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:57	2057	
	95.62	Crack Circumferential, from 08 to 11 o'clock, within 8 inch: YES	00:06:50	2058, b	S 1
	99.61	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:22	2060	
	111.37	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:01	2061	
	112.34	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:08:12	2062, b	S 1
	134.79	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:06	2064	
	146.64	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:49	2065	
	177.84	Crack Multiple, from 07 to 05 o'clock, within 8 inch: YES	00:10:49	2066, b	S 3
	184.35	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:11:23	2068, b	S 4
	190.86	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:50	2070	
	193.48	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:05	2071	
	231.09	Crack Circumferential, from 05 to 10 o'clock, within 8 inch: YES	00:13:11	2072, b	S 1
	237.70	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:13:50	2074	
	241.97	Crack Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:14:07	2075, b	S 3



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Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 132	PSR: 43298
Total Pipe Length: 289	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 19 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:594	position	observation	MPEG	photo	grade
	252.28	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:14:42	2077	
	254.61	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:14:56	2078	
	271.81	Downstream Manhole, 1922-0187 Survey Ends	00:15:53	2079	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	16	4	20	2	2	2



Inspection report

Date: 20080818	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 137	PSR: 43313
Total Pipe Length: 252	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.18.2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1922

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1922-0199
City: BFL	Year Renewed	End MH: 1922-0234
Location Code: C Light Highway	Tape/Media ☐	pipe length: 265.78 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 252
Drain. Area: 0199 1922-0234 1922	Lining Method:
	Category:

Remark:: **NONE**

1:650	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0199 Survey Begins	00:00:12	2141	
	<u>0.00</u>	Water Level, 5 ☐ of cross sectional area	00:00:32		M 2
	<u>0.00</u>	Water Mark, 5 ☐ of cross sectional area	00:00:35		M 2
	<u>6.41</u>	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:00:56	2142, b	S 1
	<u>12.44</u>	Crack Circumferential, from 06 to 10 o'clock, within 8 inch: YES	00:01:21	2144, b	S 1
	<u>13.31</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:37	2146	
	<u>13.31</u>	Crack Multiple, from 11 to 04 o'clock, within 8 inch: YES	00:01:45	2147, b	S 3
	<u>17.39</u>	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:02:08	2149, b	S 1
	<u>43.83</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:01	2151	
	<u>54.42</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:33	2152	
	<u>58.70</u>	Crack Circumferential, from 06 to 11 o'clock, within 8 inch: YES	00:03:50	2153, b	S 1
	<u>60.15</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:04	2155	
	<u>73.18</u>	Crack Circumferential, from 10 to 03 o'clock, within 8 inch: YES	00:04:39	2156, b	S 1
	<u>85.71</u>	Crack Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:05:19	2158, b	S 3
	<u>95.62</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:48	2160	
	<u>106.90</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:17	2161	
	<u>145.09</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:24	2162	
	<u>146.35</u>	Crack Longitudinal, at 12 o'clock, within 8 inch: NO	00:07:40	2163, b	S 2
	<u>159.08</u>	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:30	2165, b	S 2
	<u>162.58</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:53	2167	
	<u>182.02</u>	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	00:09:38	2168, b	S 1
	<u>223.51</u>	Crack Circumferential, from 02 to 08 o'clock, within 8 inch: YES	00:11:07	2170, b	S 1
	<u>225.75</u>	Fracture Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:11:33	2172, b	S 4
	265.78	Downstream Manhole, 1922-0234 Survey Ends	00:13:42	2174	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	21	4	25	1.75	2	1.79



Inspection report

Date: 20080813	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 158	PSR: 36204
Total Pipe Length: 302	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/13/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0303
City: BFL	Year Renewed	End MH: 1976-0304
Location Code: C Light Highway	Tape/Media ☐	pipe length: 312.12 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 302
Drain. Area: 0303 1976-0304 1976	Lining Method:
	Category:

Remark:: **A THE FLOW**

1:775	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0303		2566	
	<u>0.00</u>	Water Level, 0 of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 5 ☐ of cross sectional area			M 2
	<u>12.85</u>	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:02:32	2567	
	<u>33.33</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:15	2568	
	<u>36.04</u>	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:03:29	2569	
	<u>59.53</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:14	2570	
	<u>70.18</u>	Crack Multiple, from 07 to 11 o'clock, within 8 inch: YES	00:04:39	2571, b	S 3
	<u>71.08</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:51	2573	
	<u>138.64</u>	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:06:31	2574, b	S 4
	<u>140.15</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:06:48	2576	
	<u>142.56</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:06:59	2577	
	<u>163.14</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:34	2578	
	<u>184.02</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:14	2579	
	<u>213.74</u>	Tap Break-In Active, at 02 o'clock, 4", within 8 inch: YES	00:09:02	2580	
	<u>237.83</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:43	2581	
	<u>238.74</u>	Crack Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:09:51	2582, b	S 3
	<u>255.50</u>	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:10:34	2584	
	<u>263.83</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:10:55	2585	
	<u>302.39</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:12:09	2586	
	<u>304.90</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:12:22	2587	
	<u>312.12</u>	Downstream Manhole, Survey Ends 1976-0304	00:13:16	2588	

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



Inspection report

Date: 20080822	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 275	PSR: 43408
Total Pipe Length: 233	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 22 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0052
City: BFL	Year Renewed:	End MH: 1922-0053
Location Code: C Light Highway	Tape/Media #:	pipe length: 245.96 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: 0052 1922-0053 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0053 Survey Begins	00:00:03	3812	
	3.01	Water Level, 5' of cross sectional area	00:00:58		M 2
	3.01	Water Mark, 10' of cross sectional area	00:00:59		M 2
	5.83	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:17	3813	
	26.34	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:58	3814	
	51.21	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:48	3815, b	S 3
	52.57	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:03	3817	
	55.10	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:18	3818	
	108.16	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:04:44	3819	
	113.50	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:05	3820	
	142.17	Crack Circumferential, from 12 to 04 o'clock, within 8 inch: YES	00:05:52	3821, b	S 1
	157.33	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:31	3823, b	
	183.18	Crack Multiple, from 10 to 04 o'clock, within 8 inch: YES	00:07:52	3825, b	S 3
	187.17	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:08:16	3827	
	195.43	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:43	3828	
	236.63	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:06	3829	
	236.82	Fracture Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:10:33	3830, b	S 4
	245.96	Downstream Manhole, 1922-0052 Survey Ends	00:11:31	3832	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	11	4	15	2.75	2	2.5



Inspection report

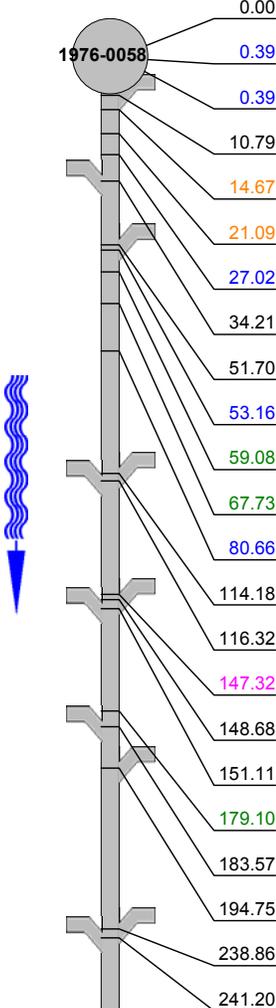
Date: 20080818	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 144	PSR: 43319
Total Pipe Length: 399	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/18/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0058
City: BFL	Year Renewed:	End MH: 1922-0205
Location Code: C Light Highway	Tape/Media #:	pipe length: 319.62 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 399
Drain. Area: 0058 1976-0205 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:627	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0058 Survey Begins	00:00:08	2313	
	<u>0.39</u>	Water Level, 10 # of cross sectional area	00:00:37		M 2
	<u>0.39</u>	Water Mark, 10 # of cross sectional area	00:00:37		M 2
	<u>10.79</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:01	2314	
	<u>14.67</u>	Crack Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:01:22	2315, b	S 3
	<u>21.09</u>	Crack Multiple, from 11 to 02 o'clock, within 8 inch: YES	00:01:47	2317, b	S 3
	<u>27.02</u>	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:02:11	2319, b	S 2
	<u>34.21</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:38	2321	
	<u>51.70</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:16	2322	
	<u>53.16</u>	Crack Longitudinal, at 02 o'clock, within 8 inch: YES	00:03:29	2323, b	S 2
	<u>59.08</u>	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:04:03	2325, b	S 1
	<u>67.73</u>	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:04:33	2327, b	S 1
	<u>80.66</u>	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:05:07	2329, b	S 2
	<u>114.18</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:11	2331	
	<u>116.32</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:24	2332	
	<u>147.32</u>	Fracture Multiple, from 07 to 09 o'clock, within 8 inch: YES	00:07:21	2333, b	S 4
	<u>148.68</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:42	2335	
	<u>151.11</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:56	2336	
	<u>179.10</u>	Crack Circumferential, from 08 to 05 o'clock, within 8 inch: YES	00:08:49	2337, b	S 1
	<u>183.57</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:17	2339	
	<u>194.75</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:44	2340	
	<u>238.86</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:10:59	2341	
	<u>241.20</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:13	2342	





Inspection report

Date: 20080818	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 144	PSR: 43319
Total Pipe Length: 399	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 18 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

1:627	position	observation	MPEG	photo	grade
	267.63	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:12:13	2343	
	270.16	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:27	2344	
	303.88	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:13:50	2345, b	S 1
	315.93	Crack Circumferential, from 08 to 05 o'clock, within 8 inch: YES	00:14:34	2347, b	S 1
	319.62	Downstream Manhole, 1922-0205 Survey Ends	00:15:11	2349	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	2200	21	4	25	1.91	2	1.92



Inspection report

Date: 20080828	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 317	PSR: 36539
Total Pipe Length: 298	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 28 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: BEACH ST	Flow Control: N Not Controlled	Start MH: 1976-0027
City: BFL	Year Renewed:	End MH: 1976-0028
Location Code: C Light Highway	Tape/Media #:	pipe length: 338.9 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: 0027 1976-0028 1976	Lining Method:
	Category:

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

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0028		107	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	4.00	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:00:55	108, b	S 4
	11.25	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:28	110	
	14.05	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:01:45	111	
	53.35	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:03:01	112	
	55.70	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:03:13	113	
	72.65	Crack Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:04:01	114, b	S 3
	73.70	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:17	116	
	122.20	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:06:02	117	
	137.00	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:06:44	118	
	139.50	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:00	119	
	145.05	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:28	120	
	295.70	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:12:11	121	
	298.15	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:13:02	122	
	338.90	Downstream Manhole, Survey Ends 1976-0027	00:14:24	123	

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



Inspection report

Date: 20080814	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 178	PSR: 36226
Total Pipe Length: 277	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/14/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1976-0325
City: BFL	Year Renewed:	End MH: 1976-0326
Location Code: C Light Highway	Tape/Media #:	pipe length: 260.52 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 277
Drain. Area: 0325 1976-0326 1976	Lining Method:
	Category:

Remark: **MH # REVERSED ON MAP**

1:650	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0325		2787	
	0.00	Water Level, 10 # of cross sectional area			M 2
	0.00	Water Mark, 10 # of cross sectional area			M 2
	5.22	Hole, from 07 to 10 o'clock, within 8 inch: YES	00:01:51	2788, b	S 4
	51.50	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:38	2790	
	57.02	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:52	2791	
	71.48	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:04:20	2792	
	74.09	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:29	2793	
	115.95	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:42	2794	
	148.58	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:06:36	2795	
	166.15	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:07:05	2796	
	196.37	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:55	2797	
	210.63	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:08:22	2798	
	237.03	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:06	2799	
	249.68	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:09:32	2800	
	251.89	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:43	2801	
	252.79	Crack Multiple, from 02 to 05 o'clock, within 8 inch: YES	00:09:51	2802, b	S 3
	260.52	Upstream Manhole, Survey Ends 1976-0326	00:10:27	2804	

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



Inspection report

Date: 20080813	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 165	PSR: 36211
Total Pipe Length: 244	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/13/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0308
City: BFL	Year Renewed	End MH: 1976-0309
Location Code: C Light Highway	Tape/Media ☐	pipe length: 350.17 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 244
Drain. Area: 0308 1976-0309 1976	Lining Method:
	Category:

Remark:: **A THE FLOW**

1:875	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0308		2670	
	<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>8.73</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:00:46	2671	
	<u>11.34</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:00:56	2672	
	<u>52.91</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:01:55	2673	
	<u>55.62</u>	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:02:04	2674	
	<u>104.31</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:12	2675	
	<u>105.61</u>	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:03:21	2676	
	<u>141.66</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:17	2677	
	<u>143.96</u>	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:04:26	2678	
	<u>193.26</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:05:47	2679	
	<u>194.56</u>	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:05:57	2680	
	<u>225.28</u>	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:06:48	2681, b	S 4
	<u>227.39</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:07:07	2683	
	<u>233.11</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:07:22	2684	
	<u>258.21</u>	Crack Multiple, from 12 to 06 o'clock, within 8 inch: YES	00:08:09	2685, b	S 3
	<u>283.91</u>	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:09:02	2687	
	<u>304.49</u>	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:51	2688	
	<u>331.30</u>	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:10:48	2689	
	<u>333.81</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:10:59	2690	
	<u>350.17</u>	Upstream Manhole, Survey Ends 1976-0309	00:11:38	2691	

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



Inspection report

Date: 20080815	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 18	PSR: 36452
Total Pipe Length: 371	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 15 2008	Pre-Cleaned: J Jetting	Map Grid ☐

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0061
City: BFL	Year Renewed	End MH: 1976-0060
Location Code: C Light Highway	Tape/Media ☐	pipe length: 332.84 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 371
Drain. Area: 0060 1976-0061 1976	Lining Method:
	Category:

Remark:: **NONE**

1:594	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0061 Survey Begins	00:00:07	300	
	1.07	Water Level, 10 ☐ of cross sectional area	00:00:24		M 2
	1.07	Water Mark, 10 ☐ of cross sectional area	00:00:25		M 2
	60.06	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:35	301	
	61.51	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:50	302	
	71.81	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:03:18	303, b	S 2
	73.18	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:03:41	305	
	77.45	Crack Multiple, from 02 to 08 o'clock, within 8 inch: YES	00:04:06	306, b	S 3
	111.95	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:31	308	
	113.02	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:05:43	309, b	S 1
	114.28	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:59	311	
	115.64	Fracture Multiple, from 08 to 12 o'clock, within 8 inch: YES	00:06:14	312, b	S 4
	139.65	Crack Circumferential, from 10 to 05 o'clock, within 8 inch: YES	00:07:22	314, b	S 1
	160.54	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	00:08:31	316, b	S 1
	161.80	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:08:47	318, b	S 2
	174.24	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:42	320	
	175.31	Fracture Circumferential, from 11 to 04 o'clock, within 8 inch: YES	00:09:59	321, b	S 2
	176.57	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:20	323	
	180.75	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	00:10:38	324, b	S 1
	215.44	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:12:05	326, b	S 2
	220.98	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:31	328	
	221.08	Crack Longitudinal, at 01 o'clock, within 8 inch: YES	00:12:53	329	S 2
	244.50	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:42	330	
	245.67	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:13:57	331, b	S 2



Inspection report

Date: 20080815	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 18	PSR: 36452
Total Pipe Length: 371	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 15 2008	Pre-Cleaned: J Jetting	Map Grid #:

1:594	position	observation	MPEG	photo	grade		
		Crack Circumferential, from 07 to 02 o'clock, within 8 inch: YES	00:14:45	333, b	S 1		
	260.92	Crack Circumferential, from 07 to 02 o'clock, within 8 inch: YES	00:14:45	333, b	S 1		
	264.91	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:15:07	335			
	271.81	Crack Circumferential, from 02 to 10 o'clock, within 8 inch: YES	00:15:36	336, b	S 1		
	294.06	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:16:33	338			
	309.71	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:17:14	339			
	332.84	Downstream Manhole, 1976-0060 Survey Ends	00:18:18	340			
QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	25	4	29	1.79	2	1.81



Inspection report

Date: 20080909	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 481	PSR: 36039
Total Pipe Length: 284	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.09.2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: IBBETSON AV	Flow Control: N Not Controlled	Start MH: 1976-0513
City: BFL	Year Renewed:	End MH: 1976-0514
Location Code: C Light Highway	Tape/Media # 017	pipe length: 267.63 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 284
Drain. Area: 0513 1976-0514 1976	Lining Method:
	Category:

Remark:: **NONE**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0513 Survey Begins	00:00:14		
	0.00	Water Level, 10 # of cross sectional area	00:00:22		M 2
	0.00	Water Mark, 10 # of cross sectional area	00:00:27		M 2
	1.94	Crack Multiple, from 11 to 04 o'clock, within 8 inch: NO	00:00:49	6633, b	S 3
	2.33	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:17	6635	
	6.12	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:37	6636	
	20.02	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:07	6637	
	53.25	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:14	6638	
	58.60	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:32	6639	
	102.91	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:04:51	6640	
	110.69	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:05:17	6641, b	S 4
	111.76	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:42	6643	
	117.39	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:10	6644	
	167.73	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:41	6645	
	173.27	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:01	6646	
	211.36	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:04	6647	
	232.35	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:44	6648	
	256.75	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:34	6649	
	267.63	Downstream Manhole, 1976-0514 Survey Ends	00:11:02	6650	

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



Inspection report

Date: 20080922	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 683	PSR: 36305
Total Pipe Length: 375	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 22 2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: BELLFLOWER BV	Flow Control: N Not Controlled	Start MH: 1976-0277
City: BFL	Year Renewed	End MH: 1976-0278
Location Code: C Light Highway	Tape/Media ☐: 030	pipe length: 381.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 375
Drain. Area: 0277 1976-0278 1976	Lining Method:
	Category:

Remark:: **NONE**

1:950	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0277		72	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 10 ☐ of cross sectional area			M 2
	19.70	Crack Spiral, from 12 to 12 o'clock, within 8 inch: NO	00:01:35	73, b	S 2
	109.70	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:04:40	75	
	153.10	Crack Spiral, from 12 to 06 o'clock, within 8 inch: YES	00:06:21	76, b	S 2
	154.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:46	78	
	163.70	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:07:21	79	
	182.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:16	80	
	245.45	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:37	81	
	249.20	Crack Spiral, from 09 to 05 o'clock, within 8 inch: YES	00:10:57	82, b	S 2
	257.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:11:30	84	
	288.20	Crack Spiral, from 01 to 06 o'clock, within 8 inch: YES	00:12:45	85, b	S 2
	294.90	Crack Spiral, from 08 to 11 o'clock, within 8 inch: YES	00:13:15	87, b	S 2
	298.55	Fracture Multiple, from 01 to 07 o'clock, within 8 inch: YES	00:13:52	89, b	S 4
	340.55	Crack Spiral, from 06 to 11 o'clock, within 8 inch: YES	00:15:43	91, b	S 2
	358.90	Crack Spiral, from 09 to 02 o'clock, within 8 inch: YES	00:16:46	93, b	S 2
	381.50	Downstream Manhole, Survey Ends 1976-0278	00:18:07	95	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4127	2200	18	4	22	2.25	2	2.2



Inspection report

Date: 20080924	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 794	PSR: 43389
Total Pipe Length: 223	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 24 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ALLEY	Flow Control: N Not Controlled	Start MH: 1922-0036
City: BFL	Year Renewed:	End MH: 1922-0047
Location Code: D Easement Right of Way	Tape/Media # 033	pipe length: 241.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 223
Drain. Area: 0036 1922-0047 1922	Lining Method:
	Category:

Remark: **NONE**

1:600	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0036		101	
	0.00	Water Level, 25 of cross sectional area			M 2
	0.00	Water Mark, 35 of cross sectional area			M 3
	29.55	Crack Spiral, from 07 to 12 o'clock, within 8 inch: YES	00:01:52	102, b	S 2
	86.95	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:04:04	104, b	S 4
	90.70	Crack Spiral, from 11 to 02 o'clock, within 8 inch: YES	00:04:24	106, b	S 2
	122.00	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:06:10	108, b	S 2
	205.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:09:09	110	
	216.85	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:09:42	111, b	S 2
	220.05	Crack Spiral, from 07 to 10 o'clock, within 8 inch: YES	00:09:57	113, b	S 2
	230.60	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:10:40	115, b	S 2
	241.70	Downstream Manhole, Survey Ends 1922-0047	00:11:22	117	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4126	3121	16	5	21	2.29	2.5	2.33



Inspection report

Date: 20080821	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 112	PSR: 43415
Total Pipe Length: 306	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 21 2008	Pre-Cleaned: H Heavy Cleaning	Map Grid ☐: 1922

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1922-0058
City: BFL	Year Renewed	End MH: 1922-0059
Location Code: C Light Highway	Tape/Media ☐	pipe length: 296.1 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: 0058 1922-0059 1922	Lining Method:
	Category:

Remark:: **MH'S REVERSED**

1:725	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0059 Survey Begins	00:00:02	1616	
	0.00	Water Level, 10 ☐ of cross sectional area	00:00:22		M 2
	0.00	Water Mark, 10 ☐ of cross sectional area	00:00:24		M 2
	5.73	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:00:46	1617	
	7.77	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:01	1618	
	23.23	Crack Longitudinal, at 12 o'clock, within 8 inch: YES	00:02:06	1619, b	S 2
	26.72	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:02:25	1621, b	S 2
	29.83	Crack Longitudinal, at 03 o'clock, within 8 inch: YES	00:02:57	1623, b	S 2
	36.83	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:23	1625	
	73.37	Roots Fine Joint, from 07 to 01 o'clock, within 8 inch: YES	00:04:26	1626, b	
	75.31	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:40	1628	
	113.50	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:53	1629	
	142.95	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:45	1630	
	187.26	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:04	1631	
	199.41	Fracture Multiple, from 08 to 01 o'clock, within 8 inch: YES	00:08:35	1632, b	S 4
	213.50	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:27	1634	
	245.76	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:11:19	1635	S 2
	264.81	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:11:39	1636, b	S 2
	278.42	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:19	1638	
	279.29	Crack Circumferential, from 09 to 03 o'clock, within 8 inch: YES	00:12:36	1639, b	S 1
	296.10	Downstream Manhole, 1922-0058 Survey Ends	00:13:47	1641	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4125	2200	15	4	19	2.14	2	2.11



Inspection report

Date: 20080820	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 117	PSR: 43420
Total Pipe Length: 326	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 20 2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1922

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1922-0062
City: BFL	Year Renewed	End MH: 1922-0076
Location Code: C Light Highway	Tape/Media ☐	pipe length: 297.85 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 326
Drain. Area: 0062 1922-0076 1922	Lining Method:
	Category:

Remark:: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0062 Survey Begins	00:00:05	1739	
	0.00	Water Level, 10 ☐ of cross sectional area	00:00:26		M 2
	0.00	Water Mark, 10 ☐ of cross sectional area	00:00:28		M 2
	18.76	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:01:24	1740, b	S 2
	24.97	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:01:50	1742	
	51.70	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:41	1743	
	65.79	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:14	1744	
	78.91	Fracture Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:03:49	1745, b	S 4
	80.08	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:07	1747	
	129.54	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:05:27	1748, b	S 2
	130.71	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:55	1750	
	156.94	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:46	1751	
	164.33	Crack Circumferential, from 09 to 11 o'clock, within 8 inch: YES	00:07:11	1752, b	S 1
	174.63	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:07:53	1754	
	207.67	Crack Spiral, from 07 to 10 o'clock, within 8 inch: YES	00:09:02	1755, b	S 2
	209.91	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:28	1757	
	218.55	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:58	1758	
	244.79	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:47	1759	
	277.35	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:11:44	1760	
	297.85	Downstream Manhole, 1922-0076 Survey Ends	00:12:45	1761	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4123	2200	11	4	15	2.2	2	2.14



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

Inspection report

Date: 20080901	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 344	PSR: 43272
Total Pipe Length: 187	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.01.2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0159
City: BFL	Year Renewed:	End MH: 1922-0183
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 104.55 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 187
Drain. Area: 0159 1922-0183 1922	Lining Method:
	Category:

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

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0159		19	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	0.80	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:00:49	20, b	S 4
	26.45	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:01:45	22	
	97.75	Crack Spiral, from 08 to 03 o'clock, within 8 inch: YES	00:03:37	23, b	S 2
	100.95	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:04:06	25, b	S 2
	104.55	Downstream Manhole, Survey Ends 1922-0183	00:04:53	27	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2200	8	4	12	2.67	2	2.4



Inspection report

Date: 20080820	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 111	PSR: 43414
Total Pipe Length: 325	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 20 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0057
City: BFL	Year Renewed	End MH: 1922-0249
Location Code: C Light Highway	Tape/Media #	pipe length: 331.57 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 325
Drain. Area: 0057 1922-0249 1922	Lining Method:
	Category:

Remark::

1:825	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1922-0057 Survey Begins	00:00:19	1594	
	0.00	Water Level, 10 # of cross sectional area	00:00:37		M 2
	0.00	Water Mark, 10 # of cross sectional area	00:00:39		M 2
	15.45	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:12	1595	
	17.59	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:01:25	1596	
	17.78	Crack Spiral, from 11 to 05 o'clock, within 8 inch: YES	00:01:42	1597, b	S 2
	18.27	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:06	1599	
	71.81	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:34	1600	
	76.48	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:56	1601	
	132.94	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:44	1602	
	144.31	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:10	1603	
	168.60	Crack Longitudinal, at 09 o'clock, within 8 inch: NO	00:07:05	1604, b	S 2
	195.62	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:04	1606	
	202.52	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:22	1607	
	264.33	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:09:51	1608	
	265.20	Fracture Multiple, from 11 to 05 o'clock, within 8 inch: YES	00:10:04	1609, b	S 4
	267.05	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:10:21	1611	
	301.84	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:21	1612	
	322.92	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:02	1613	
	325.35	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:20	1614	
	331.57	Upstream Manhole, 1922-0249 Survey Ends	00:12:44	1615	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4122	2200	8	4	12	2.67	2	2.4



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 122	PSR: 43427
Total Pipe Length: 349	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1922-0067
City: BFL	Year Renewed:	End MH: 1922-0078
Location Code: C Light Highway	Tape/Media #:	pipe length: 320.79 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 349
Drain. Area: 0067 1922-0078 1922	Lining Method:
	Category:

Remark:: **NONE**

1:495	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0067 Survey Begins	00:00:02	937	
	2.43	Water Level, 10 # of cross sectional area	00:00:23		M 2
	2.43	Water Mark, 10 # of cross sectional area	00:00:24		M 2
	3.11	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:00:58	938, b	S 1
	5.05	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:20	940	
	27.40	Crack Circumferential, from 02 to 04 o'clock, within 8 inch: YES	00:02:12	941, b	S 1
	42.66	Crack Circumferential, from 01 to 05 o'clock, within 8 inch: YES	00:03:01	943, b	S 1
	43.24	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:21	945	
	64.14	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:05	946	
	92.51	Crack Circumferential, from 10 to 04 o'clock, within 8 inch: YES	00:05:12	947, b	S 1
	99.02	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:59	949	
	104.47	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:06:27	950	
	115.64	Crack Circumferential, from 02 to 10 o'clock, within 8 inch: YES	00:07:04	951, b	S 1
	118.27	Crack Circumferential, from 05 to 10 o'clock, within 8 inch: YES	00:07:31	953, b	S 1
	152.57	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:08:54	955, b	S 2
	152.57	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:08:56	957, b	S 2
	160.54	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:33	959	
	170.94	Roots Fine Joint, at 09 o'clock, within 8 inch: YES	00:10:05	960, b	
	172.10	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:10:22	962	
	185.03	Roots Fine Joint, at 04 o'clock, within 8 inch: YES	00:10:55	963, b	
	185.03	Crack Circumferential, from 11 to 03 o'clock, within 8 inch: YES	00:11:11	965, b	S 1



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 122	PSR: 43427
Total Pipe Length: 349	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

1:495	position	observation	MPEG	photo	grade
	<u>218.26</u>	Crack Circumferential, from 08 to 02 o'clock, within 8 inch: YES	00:12:27	967, b	S 1
	<u>219.72</u>	Crack Longitudinal, at 03 o'clock, within 8 inch: NO	00:12:57	969, b	S 2
	<u>219.82</u>	Roots Fine Barrell, at 03 o'clock, within 8 inch: NO	00:13:08	971, b	M 2
	<u>220.89</u>	Crack Multiple, from 07 to 04 o'clock, within 8 inch: YES	00:13:30	973, b	S 3
	<u>222.05</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:13:46	975	
	<u>235.56</u>	Fracture Multiple, from 01 to 03 o'clock, within 8 inch: YES	00:14:24	976, b	S 4
	<u>236.63</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:14:39	978	
	<u>272.10</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:15:44	979	
	<u>274.72</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:16:01	980	
	<u>284.83</u>	Crack Circumferential, from 09 to 04 o'clock, within 8 inch: YES	00:16:30	981, b	S 1
	<u>304.07</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:17:13	983	
	<u>320.79</u>	Downstream Manhole, 1922-0078 Survey Ends	00:18:05	984	



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 130	PSR: 43437
Total Pipe Length: 276	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: COKE AV	Flow Control: N Not Controlled	Start MH: 1922-0077
City: BFL	Year Renewed:	End MH: 1922-0078
Location Code: C Light Highway	Tape/Media #:	pipe length: 221.86 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 276
Drain. Area: 0077 1922-0078 1922	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:675	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0078 Survey Begins	00:00:03	989	
	3.69	Water Level, 10 # of cross sectional area	00:00:27		M 2
	3.79	Water Mark, 10 # of cross sectional area	00:00:27		M 2
	38.97	Crack Circumferential, from 01 to 04 o'clock, within 8 inch: YES	00:01:29	990, b	S 1
	84.93	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:51	992	
	92.13	Crack Multiple, from 08 to 03 o'clock, within 8 inch: YES	00:03:14	993, b	S 3
	131.97	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:04:35	995	
	154.61	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:05:32	996	S 2
	173.07	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:06:06	997	
	183.18	Crack Longitudinal, at 04 o'clock, within 8 inch: YES	00:06:30	998, b	S 2
	214.47	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:35	1000	
	221.86	Fracture Multiple, from 01 to 05 o'clock, within 8 inch: YES	00:07:57	1001, b	S 4

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4131	2200	12	4	16	2.4	2	2.29



Inspection report

Date: 20080915	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 562	PSR: 36057
Total Pipe Length: 309	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 15 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: WOODRUFF AV	Flow Control: N Not Controlled	Start MH: 1976-0530
City: BFL	Year Renewed:	End MH: 1976-0531
Location Code: A Main Highway - Urban	Tape/Media # 021	pipe length: 319.43 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 309
Drain. Area: 0530 1976-0531 1976	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0531 Survey Begins	00:00:21	152	
	<u>2.24</u>	Water Level, 5' of cross sectional area	00:00:36		M 2
	<u>2.24</u>	Water Mark, 10' of cross sectional area	00:00:38		M 2
	<u>9.23</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:00:55	153	
	<u>27.50</u>	Crack Circumferential, from 06 to 08 o'clock, within 8 inch: YES	00:01:55	154, b	S 1
	<u>58.79</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:03:13	156	
	<u>73.47</u>	Fracture Multiple, from 07 to 05 o'clock, within 8 inch: NO	00:03:44	157, b	S 4
	<u>83.18</u>	Crack Circumferential, from 08 to 11 o'clock, within 8 inch: YES	00:04:23	159, b	S 1
	<u>98.15</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:04:58	161	
	<u>149.95</u>	Crack Circumferential, from 01 to 09 o'clock, within 8 inch: YES	00:06:28	162, b	S 1
	<u>178.03</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:29	164	
	<u>207.48</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:08:32	165	
	<u>208.55</u>	Crack Circumferential, from 12 to 03 o'clock, within 8 inch: YES	00:08:52	166, b	S 1
	<u>265.78</u>	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:10:39	168, b	S 1
	<u>269.18</u>	Crack Longitudinal, at 09 o'clock, within 8 inch: YES	00:11:04	170, b	S 2
	<u>277.06</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:35	172	
	<u>319.43</u>	Downstream Manhole, 1976-0530 Survey Ends	00:14:11	173	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	11	4	15	1.57	2	1.67



Inspection report

Date: 20080815	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 17	PSR: 36453
Total Pipe Length: 329	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 15 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0060
City: BFL	Year Renewed	End MH: 1976-0103
Location Code: C Light Highway	Tape/Media #	pipe length: 310.58 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 329
Drain. Area: 0060 1976-0103 1976	Lining Method:
	Category:

Remark:: **NONE**

1:775	position	observation	MPEG	photo	grade
	0.10	Upstream Manhole, 1976-0060 Survey Begins	00:00:02	277	
	4.76	Water Level, 10 # of cross sectional area	00:00:20		M 2
	4.76	Water Mark, 15 # of cross sectional area	00:00:21		M 2
	46.84	Fracture Multiple, from 10 to 02 o'clock, within 8 inch: YES	00:03:13	278, b	S 4
	47.52	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:31	280	
	50.44	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:03:51	281	
	66.47	Crack Circumferential, from 08 to 05 o'clock, within 8 inch: YES	00:04:53	282, b	S 1
	82.50	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:37	284	
	114.96	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:05	285	
	123.61	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:07:30	209	
	140.91	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:02	287	
	145.28	Crack Circumferential, from 10 to 01 o'clock, within 8 inch: YES	00:10:24	288, b	S 1
	167.24	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:11:17	290, b	S 2
	174.63	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:23	292	
	175.70	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:12:42	293	
	223.22	Crack Circumferential, from 07 to 10 o'clock, within 8 inch: YES	00:13:59	294, b	S 1
	238.38	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:14:59	296	
	265.98	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:16:12	297, b	S 1
	310.58	Downstream Manhole, 1976-0103 Survey Ends	00:18:55	299	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2200	10	4	14	1.67	2	1.75



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

Inspection report

Date: 20080922	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 685	PSR: 36307
Total Pipe Length: 35	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 22 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: BELLFLOWER BV	Flow Control: N Not Controlled	Start MH: 1976-0279
City: BFL	Year Renewed:	End MH: 1976-0286
Location Code: A Main Highway - Urban	Tape/Media # 030	pipe length: 46.05 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 35
Drain. Area: 0279 1976-0286 1976	Lining Method:
	Category:

Remark.: **NONE**

1:125	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0279		96	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	41.10	Crack Spiral, from 10 to 02 o'clock, within 8 inch: YES	00:02:28	97, b	S 2
	45.85	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:45	99, b	S 4
	46.05	Downstream Manhole, Survey Ends 1976-0286	00:03:11	101	

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



Inspection report

Date: 20080915	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 563	PSR: 36058
Total Pipe Length: 312	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09 15 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: WOODRUFF AV	Flow Control: N Not Controlled	Start MH: 1976-0531
City: BFL	Year Renewed:	End MH: 1976-0532
Location Code: A Main Highway - Urban	Tape/Media # 021	pipe length: 304.85 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 312
Drain. Area: 0531 1976-0532 1976	Lining Method:
	Category:

Remark: **MH'S REVERSED**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0532 Survey Begins	00:00:05	8204	
	0.00	Water Level, 1 # of cross sectional area	00:00:23		M 2
	0.00	Water Mark, 5 # of cross sectional area	00:00:27		M 2
	17.78	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:01:31	8205	
	48.98	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:02:32	8206	
	125.46	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:04:50	8207, b	S 1
	128.96	Tap Factory Made, at 05 o'clock, 4", within 8 inch: YES	00:05:24	8209, b	
	133.62	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:51	8211	
	144.70	Crack Circumferential, from 04 to 05 o'clock, within 8 inch: YES	00:06:17	8212, b	S 1
	158.50	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:06:58	8214, b	S 1
	174.73	Crack Circumferential, from 12 to 04 o'clock, within 8 inch: YES	00:07:41	8216, b	S 1
	176.57	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:08:08	8218	
	207.96	Crack Circumferential, from 07 to 11 o'clock, within 8 inch: YES	00:09:10	8219, b	S 1
	211.36	Crack Circumferential, from 11 to 05 o'clock, within 8 inch: YES	00:09:39	8221, b	S 1
	216.03	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:10:02	8223	
	230.60	Crack Circumferential, from 12 to 03 o'clock, within 8 inch: YES	00:10:34	8224, b	S 1
	255.39	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:11:44	8226	
	270.06	Crack Circumferential, from 11 to 02 o'clock, within 8 inch: YES	00:12:16	8227, b	S 1
	273.95	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:12:57	8229, b	S 4
	304.85	Downstream Manhole, 1976-0531 Survey Ends	00:14:07	8231	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4118	2200	12	4	16	1.33	2	1.45



Inspection report

Date: 20080827	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 242	PSR: 36278
Total Pipe Length: 375	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 27 2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: BEVERLY ST	Flow Control: N Not Controlled	Start MH: 1976-0253
City: BFL	Year Renewed	End MH: 1976-0469
Location Code: C Light Highway	Tape/Media #	pipe length: 347.12 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 375
Drain. Area: 0253 1976-0469 1976	Lining Method:
	Category:

Remark:: **MH'S REVERSED**

1:850	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0469 Survey Begins	00:00:08	3377	
	<u>0.00</u>	Water Level, 1 # of cross sectional area	00:00:22		M 2
	<u>0.00</u>	Water Mark, 5 # of cross sectional area	00:00:24		M 2
	<u>10.20</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:00:52	3378	
	<u>51.89</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:05	3379	
	<u>78.23</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:56	3380	
	<u>85.23</u>	Crack Circumferential, from 03 to 05 o'clock, within 8 inch: YES	00:03:21	3381, b	S 1
	<u>101.36</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:04:07	3383	
	<u>130.71</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:16	3384	
	<u>133.52</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:35	3385	
	<u>158.30</u>	Fracture Multiple, from 12 to 02 o'clock, within 8 inch: YES	00:06:36	3386, b	S 4
	<u>171.91</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:17	3388	
	<u>174.44</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:35	3389	
	<u>175.89</u>	Crack Circumferential, from 06 to 09 o'clock, within 8 inch: YES	00:07:49	3390, b	S 1
	<u>221.76</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:09:23	3392	
	<u>224.19</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:09:59	3393	
	<u>265.69</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:20	3394	
	<u>268.02</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:35	3395	
	<u>288.62</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:12:18	3396	
	<u>298.73</u>	Crack Circumferential, from 04 to 09 o'clock, within 8 inch: YES	00:12:47	3397, b	S 1
	<u>308.74</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:13:20	3399	
	347.12	Downstream Manhole, 1976-0469 Survey Ends	00:14:59	3400	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4113	2200	7	4	11	1.75	2	1.83



Inspection report

Date: 20080828	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 306	PSR: 36268
Total Pipe Length: 367	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 28 2008	Pre-Cleaned: J Jetting	Map Grid ☐ 1976

Street: PALM ST	Flow Control: N Not Controlled	Start MH: 1976-0245
City: BFL	Year Renewed	End MH: 1976-0294
Location Code: C Light Highway	Tape/Media ☐ 010	pipe length: 349.06 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 367
Drain. Area: 0245 1976-0294 1976	Lining Method:
	Category:

Remark:: **NONE**

1:875	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1976-0245 Survey Begins	00:00:01	4209	
	<u>3.01</u>	Water Level, 5 ☐ of cross sectional area	00:00:20		M 2
	<u>3.01</u>	Water Mark, 5 ☐ of cross sectional area	00:00:22		M 2
	<u>5.92</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:00:34	4210	
	<u>8.33</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:00:52	4211	
	<u>23.99</u>	Tap Break-In, at 02 o'clock, 4", within 8 inch: NO	00:01:27	4212	
	<u>39.64</u>	Crack Circumferential, from 07 to 09 o'clock, within 8 inch: YES	00:02:01	4213, b	S 1
	<u>46.57</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:02:31	4215	
	<u>49.28</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:02:47	4216	
	<u>83.70</u>	Crack Circumferential, from 07 to 02 o'clock, within 8 inch: YES	00:03:53	4217, b	S 1
	<u>108.49</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:51	4219	
	<u>111.20</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:05:08	4220	
	<u>124.15</u>	Fracture Multiple, from 06 to 12 o'clock, within 8 inch: YES	00:05:38	4221, b	S 4
	<u>146.73</u>	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:06:41	4223	
	<u>149.24</u>	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:06:56	4224	
	<u>175.43</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:59	4225	
	<u>178.14</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:14	4226	
	<u>201.42</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:09:04	4227	
	<u>225.11</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:49	4228	
	<u>272.48</u>	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:11:18	4229	
	<u>274.79</u>	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:11:37	4230	
	<u>344.84</u>	Crack Circumferential, from 06 to 01 o'clock, within 8 inch: YES	00:13:50	4231, b	S 1
	<u>349.06</u>	Downstream Manhole, 1976-0294 Survey Ends	00:14:23	4233	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4113	2200	7	4	11	1.75	2	1.83



Inspection report

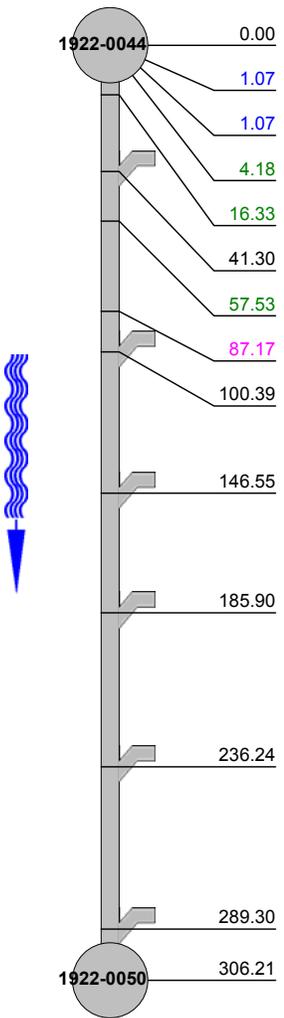
Date: 20080822	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 273	PSR: 43399
Total Pipe Length: 296	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 22 2008	Pre-Cleaned: H Heavy Cleaning	Map Grid #: 1922

Street: COKE AV	Flow Control: N Not Controlled	Start MH: 1922-0044
City: BFL	Year Renewed:	End MH: 1922-0050
Location Code: C Light Highway	Tape/Media # 006	pipe length: 306.21 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: 0044 1922-0050 1922	Lining Method:
	Category:

Remark:: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0044 Survey Begins	00:00:03	3792	
	1.07	Water Level, 15 % of cross sectional area	00:00:20		M 2
	1.07	Water Mark, 15 % of cross sectional area	00:00:21		M 2
	4.18	Crack Circumferential, from 02 to 05 o'clock, within 8 inch: YES	00:00:35	3793, b	S 1
	16.33	Crack Circumferential, from 08 to 04 o'clock, within 8 inch: YES	00:01:08	3795, b	S 1
	41.30	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:01:59	3797	
	57.53	Crack Circumferential, from 02 to 03 o'clock, within 8 inch: YES	00:02:38	3798, b	S 1
	87.17	Fracture Multiple, from 04 to 11 o'clock, within 8 inch: YES	00:03:37	3800, b	S 4
	100.39	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:04:15	3802	
	146.55	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:05:27	3803, b	
	185.90	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:06:53	3805	
	236.24	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:08:15	3806	
	289.30	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:09:42	3807	
	306.21	Downstream Manhole, 1922-0050 Survey Ends	00:11:20	3808	



QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4113	2200	7	4	11	1.75	2	1.83



Inspection report

Date: 20080812	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 182	PSR: 36230
Total Pipe Length: 277	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.12.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1976-0329
City: BFL	Year Renewed	End MH: 1976-0330
Location Code: C Light Highway	Tape/Media ☐	pipe length: 324.07 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 277
Drain. Area: 0329 1976-0330 1976	Lining Method:
	Category:

Remark:: **MH ☐ REVERSED ON MAP**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0330		2854	
	<u>0.00</u>	Water Level, 5 ☐ of cross sectional area			M 2
	<u>0.00</u>	Water Mark, 10 ☐ of cross sectional area			M 2
	50.70	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:10	2855	
	93.47	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:03:18	2856	
	<u>107.22</u>	Crack Circumferential, from 08 to 10 o'clock, within 8 inch: YES	00:03:44	2857, b	S 1
	108.22	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:03:57	2859	
	116.86	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:21	2860	
	135.53	Tap Break-In Active, at 09 o'clock, 4", within 8 inch: YES	00:05:01	2861, b	
	137.84	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:05:24	2863	
	155.81	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:06:00	2864	
	158.12	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:06:12	2865	
	191.55	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:07:19	2866	
	231.01	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:28	2867	
	255.20	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:09:11	2868	
	257.11	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:24	2869	
	258.82	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:35	2870	
	260.82	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:45	2871	
	263.43	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:09:57	2872	
	315.24	Tap Factory Made Capped, at 01 o'clock, 4", within 8 inch: YES	00:11:26	2873	
	318.05	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:11:39	2874	
	<u>319.35</u>	Fracture Multiple, from 01 to 06 o'clock, within 8 inch: YES	00:11:49	2875, b	S 4
	324.07	Downstream Manhole, Survey Ends 1976-0329	00:12:16	2877	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2200	5	4	9	2.5	2	2.25



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

Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 136	PSR: 43304
Total Pipe Length: 200	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0191
City: BFL	Year Renewed:	End MH: 1922-0238
Location Code: C Light Highway	Tape/Media #:	pipe length: 186.87 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 200
Drain. Area: 0191 1922-0238 1922	Lining Method:
	Category:

Remark.: **NONE**

1:475	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, 1922-0191 Survey Begins	00:00:17	2133	
	0.00	Water Level, 10 o'clock of cross sectional area	00:00:37		M 2
	0.00	Water Mark, 10 o'clock of cross sectional area	00:00:42		M 2
	20.02	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:01:19	2134	
	94.65	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:03:37	2135	
	183.18	Crack Circumferential, from 10 to 02 o'clock, within 8 inch: YES	00:06:22	2136, b	S 1
	184.25	Fracture Multiple, from 08 to 05 o'clock, within 8 inch: YES	00:06:46	2138, b	S 4
	186.87	Downstream Manhole, 1922-0238 Survey Ends	00:07:17	2140	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2200	5	4	9	2.5	2	2.25



Inspection report

Date: 20080815	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 15	PSR: 36448
Total Pipe Length: 258	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/15/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ARDMORE AV	Flow Control: N Not Controlled	Start MH: 1976-0054
City: BFL	Year Renewed:	End MH: 1976-0055
Location Code: C Light Highway	Tape/Media #:	pipe length: 205.24 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 258
Drain. Area: 0054/1976-0055/1976	Lining Method:
	Category:

Remark: **Against the flow**

1:525	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, 1976-0054 Survey Begins	00:00:09	232	
	0.00	Water Level, 10 % of cross sectional area	00:00:26		M 2
	0.00	Water Mark, 10 % of cross sectional area	00:00:29		M 2
	5.05	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:00:42	233	
	7.58	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:00:56	234	
	39.45	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:01:53	235	
	39.75	Tap Break-In, at 10 o'clock, 4", within 8 inch: NO	00:02:01	236	
	42.18	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:02:13	237	
	98.34	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:03:50	238	
	100.87	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:04:03	58	
	138.19	Fracture Multiple, from 09 to 03 o'clock, within 8 inch: YES	00:05:20	240, b	S 4
	139.35	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: NO	00:05:42	242	
	142.17	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: NO	00:05:57	243	
	192.12	Tap Factory Made, at 02 o'clock, 4", within 8 inch: NO	00:07:30	244	
	195.04	Tap Factory Made, at 10 o'clock, 4", within 8 inch: NO	00:07:40	245	
	202.52	Material Change, SP Steel Pipe	00:07:58	246, b	
	205.24	Upstream Manhole, 1976-0054 Survey Ends	00:08:33	248	

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



Inspection report

Date: 20080813	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 166	PSR: 36212
Total Pipe Length: 138	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/13/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: CEDAR ST	Flow Control: N Not Controlled	Start MH: 1976-0309
City: BFL	Year Renewed:	End MH: 1976-0310
Location Code: C Light Highway	Tape/Media #:	pipe length: 135.03 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 138
Drain. Area: 0309 1976-0310 1976	Lining Method:
	Category:

Remark: **A THE FLOW**

1:350	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1976-0309		2692	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 5' of cross sectional area			M 2
	18.17	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:01:00	2693	
	20.88	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:01:10	2694	
	56.52	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:02:09	2695	
	59.13	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:02:18	2696	
	84.33	Fracture Multiple, from 11 to 01 o'clock, within 8 inch: YES	00:03:00	2697, b	S 4
	91.86	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:03:25	2699	
	94.17	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:03:35	2700	
	135.03	Upstream Manhole, Survey Ends 1976-0310	00:05:54	2701	

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



Inspection report

Date: 20080814	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 156	PSR: 36502
Total Pipe Length: 290	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.14.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1976

Street: ARDMORE AV	Flow Control: N Not Controlled	Start MH: 1976-0107
City: BFL	Year Renewed	End MH: 1976-TRNK
Location Code: C Light Highway	Tape/Media ☐	pipe length: 323.57 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 290
Drain. Area: 0107.1976-TRNK.1976	Lining Method:
	Category:

Remark.: **None**

1:800	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0107		2537	
	0.00	Water Level, 10 ☐ of cross sectional area			M 2
	0.00	Water Mark, 15 ☐ of cross sectional area			M 2
	31.52	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:01:27	2538	
	75.19	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:02:51	2539, b	S 4
	79.61	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:03:13	2541	
	149.39	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:06:06	2542	
	183.22	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:07:33	2543	
	212.13	Water Level, 20 ☐ of cross sectional area	00:08:31		M 2
	219.76	Tap Factory Made Active, at 12 o'clock, 4", within 8 inch: YES	00:08:51	2544	
	285.92	Camera Underwater	00:11:29		M 4
	323.57	Downstream Manhole, Survey Ends 1976-TRNK	00:13:06	2545	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4123	4	10	14	4	2.5	2.8



Inspection report

Date: 20080812	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: J.SALAS	section number: 180	PSR: 36229
Total Pipe Length: 298	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08.12.2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: ROSE ST	Flow Control: N Not Controlled	Start MH: 1976-0328
City: BFL	Year Renewed:	End MH: 1976-0360
Location Code: C Light Highway	Tape/Media #:	pipe length: 332 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: 0328 1976-0360 1976	Lining Method:
	Category:

Remark: **MH # REVERSED ON MAP**

1:825	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0328			2821
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	32.43	Fracture Multiple, from 12 to 12 o'clock, within 8 inch: YES	00:01:37	2822, b	S 4
	33.53	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:02:07	2824	
	51.50	Tap Factory Made Capped, at 10 o'clock, 4", within 8 inch: YES	00:02:46	2825	
	63.35	Tap Factory Made Capped, at 09 o'clock, 4", within 8 inch: YES	00:03:15	2826	
	99.59	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:23	2827	
	117.56	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:04:58	2828	
	141.45	Tap Factory Made Capped, at 02 o'clock, 4", within 8 inch: YES	00:05:44	2829	
	162.24	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:06:26	2830	
	189.54	Tap Factory Made Active, at 09 o'clock, 4", within 8 inch: YES	00:07:21	2831	
	207.21	Tap Factory Made Capped, at 03 o'clock, 4", within 8 inch: YES	00:08:02	2832	
	237.53	Tap Factory Made Active, at 10 o'clock, 4", within 8 inch: YES	00:08:59	2833	
	243.25	Tap Factory Made Active, at 02 o'clock, 4", within 8 inch: YES	00:09:22	2834	
	332.00	Downstream Manhole, Survey Ends 1976-0360	00:11:48	2835	

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



Inspection report

Date: 20080814	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 37	PSR: 43611
Total Pipe Length: 223	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/14/2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1921

Street: HARVARD ST	Flow Control: N Not Controlled	Start MH: 1921-0705
City: BFL	Year Renewed	End MH: 1921-0706
Location Code: C Light Highway	Tape/Media ☐	pipe length: 263.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 223
Drain. Area: 0705/1921-0706/1921	Lining Method:
	Category:

Remark:: **AGAINST THE FLOW**

1:650	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1921-0706			277
	<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>8.15</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:00:52		338
	<u>44.00</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:01:45		339
	<u>52.90</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:05		340
	<u>79.85</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:51		341
	<u>100.75</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:03:25		342
	<u>121.50</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:04:03		343
	<u>151.85</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:52		344
	<u>158.35</u>	Fracture Multiple, from 03 to 11 o'clock, within 8 inch: YES	00:05:07	345, b	S 4
	<u>172.55</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:44		347
	<u>199.20</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:30		348
	<u>214.00</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:07:02		349
	<u>250.50</u>	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:55		350
	<u>259.15</u>	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:10:23		351
	<u>262.15</u>	Tap Factory Made Active, at 12 o'clock, 1", within 8 inch: YES	00:11:24		352
	<u>263.90</u>	Upstream Manhole, Survey Ends 1921-0705	00:12:15		353

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



Inspection report

Date: 20080903	P.O.☐ Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 359	PSR: 43226
Total Pipe Length: 160	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.03.2008	Pre-Cleaned: J Jetting	Map Grid ☐: 1922

Street: LAKEWOOD BV	Flow Control: N Not Controlled	Start MH: 1922-0236
City: BFL	Year Renewed	End MH: 1922-0237
Location Code: C Light Highway	Tape/Media ☐: 017	pipe length: 187.95 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 160
Drain. Area: 0236 1922-0237 1922	Lining Method:
	Category:

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

1:475	position	observation	MPEG	photo	grade
	0.00	Downstream Manhole, Survey Begins 1922-0236		105	
	0.00	Water Level, 5 ☐ of cross sectional area			M 2
	0.00	Water Mark, 5 ☐ of cross sectional area			M 2
	2.85	Fracture Multiple, from 12 to 04 o'clock, within 8 inch: YES	00:00:36	106, b	S 4
	32.25	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:25	108	
	80.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:58	109	
	131.70	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:58	110	
	179.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:13:35	111	
	185.30	Material Change, CAS Cast Iron	00:14:16	112, b	
	187.95	Upstream Manhole, Survey Ends 1922-0237	00:14:46	114	

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



Inspection report

Date: 20080822	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: R.RUIZ	section number: 274	PSR: 43409
Total Pipe Length: 40	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08 22 2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1922-0052
City: BFL	Year Renewed:	End MH: 1922-TRNK
Location Code: C Light Highway	Tape/Media #:	pipe length: 7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 40
Drain. Area: 0052 1922-TRNK 1922	Lining Method:
	Category:

Remark.: **NONE**

1:25	position	observation	MPEG	photo	grade
		Upstream Manhole, 1922-0052 Survey Begins	00:00:01		
		Water Level, 20 <input type="checkbox"/> of cross sectional area	00:00:25		M 2
		Water Mark, 25 <input type="checkbox"/> of cross sectional area	00:00:26		M 2
		Broken, from 07 to 08 o'clock, within 8 inch: YES	00:00:37	71, b	S 4
		Downstream Manhole, 1922-TRNK Survey Ends	00:01:34	73	

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



Inspection report

Date: 20080902	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 353	PSR: 43273
Total Pipe Length: 333	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 09.02.2008	Pre-Cleaned: J Jetting	Map Grid #: 1922

Street: ARTESIA BV	Flow Control: N Not Controlled	Start MH: 1922-0160
City: BFL	Year Renewed:	End MH: 1922-0161
Location Code: A Main Highway - Urban	Tape/Media #:	pipe length: 297.45 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 333
Drain. Area: 0160 1922-0161 1922	Lining Method:
	Category:

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

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1922-0161		1	
	0.00	Water Level, 5' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	32.35	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:01:34	2	
	77.30	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:45	3	
	128.40	Tap Factory Made Active, at 10 o'clock, 6", within 8 inch: YES	00:04:00	4	
	169.75	Fracture Multiple, from 08 to 04 o'clock, within 8 inch: YES	00:05:10	5, b	S 4
	195.10	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:06:01	7	
	259.65	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:43	8	
	297.45	Downstream Manhole, Survey Ends 1922-0161	00:10:10	9	

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



Inspection report

Date: 20080819	P.O. #: Y0TV0809B	Weather: 1 Dry	Surveyed By: B.FUGATE	section number: 105	PSR: 43310
Total Pipe Length: 381	Survey Customer: LACDPW	System Owner: BFL	Clean Date: 08/19/2008	Pre-Cleaned: J Jetting	Map Grid #: 1976

Street: RAMONA ST	Flow Control: N Not Controlled	Start MH: 1976-0056
City: BFL	Year Renewed:	End MH: 1922-0196
Location Code: C Light Highway	Tape/Media #:	pipe length: 306.45 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8 8
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 381
Drain. Area: 0056/1976-0196/1922	Lining Method:
	Category:

Remark: **NONE**

1:750	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins 1976-0056		671	
	0.00	Water Level, 10' of cross sectional area			M 2
	0.00	Water Mark, 10' of cross sectional area			M 2
	3.60	Fracture Multiple, from 10 to 03 o'clock, within 8 inch: YES	00:00:40	672, b	S 4
	8.05	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:01:06	674	
	11.60	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:01:27	675	
	31.65	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:02:04	676	
	58.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:02:50	677	
	88.25	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:03:37	678	
	119.80	Tap Factory Made Active, at 03 o'clock, 4", within 8 inch: YES	00:04:25	679	
	124.50	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:04:39	680	
	150.90	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:05:22	681	
	159.40	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:05:43	682	
	189.45	Tap Factory Made Capped, at 09 o'clock, 6", within 8 inch: YES	00:06:34	683	
	195.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:06:57	684	
	234.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:08:01	685	
	242.55	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:08:24	686	
	263.25	Tap Factory Made Capped, at 03 o'clock, 6", within 8 inch: YES	00:09:00	687	
	299.05	Tap Factory Made Active, at 03 o'clock, 6", within 8 inch: YES	00:09:54	688	
	301.60	Tap Factory Made Active, at 09 o'clock, 6", within 8 inch: YES	00:10:06	689	
	306.45	Downstream Manhole, Survey Ends 1922-0196	00:10:40	690	

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