



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

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

April 14, 2009

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

Mr Don Jensen
Director of Public Works
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670

Attention Mr Tom Lopez

Dear Mr Jensen:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT Y0TV0708B

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 46,710 feet or approximately 10.9 percent of the City of Santa Fe Springs'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)
- Fat, Oil, and Grease (FOG) Door Hanger (Enclosure 5)

Mr Don Jensen
April 14, 2009
Page 2

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

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

Very truly yours,

GAIL FARBER,
Director of Public Works



for DIEGO CADENA
Deputy Director

ML:kk
1661

Enc.

bc: Programs Development (Pilker)

bc: KL, RS, FV, File (Y0TV0708B), SPINDLE

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

PROJECT NAME	Y0TV0708B	PROJECT MGR:	Marzena Laskowska
PROJECT DATE	11/05/07-01/23/08	CONTACT NO:	(626) 300-3348
SUP DISTRICT(s):	1	MAP PAGE(S):	2024, 2025, 2077, 2078
Report By	Marzena Laskowska	Report Date:	03/31/09

INTRODUCTION

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 46,710 feet or approximately 10.9 percent of the City of Santa Fe Springs’s sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0708B included sewer lines located in both the City of Santa Fe Springs and in the Unincorporated County of Los Angeles area. Enclosed for your reference is an overview map of the project area (Enclosure 1).

DEFECT GRADE DESCRIPTION

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

Grade	Description	Estimate time to Failure
1:	EXCELLENT: Minor Defects.	Unlikely in the foreseeable future
2:	GOOD: Defects that have not begun to deteriorate.	20 years or more
3:	FAIR: Moderate defects that will continue to deteriorate.	10 to 20 years
4:	POOR: 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 92.1 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 7.9 percent of the inspected pipe segments within the City of Santa Fe Springs area had a PACP maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2). Also included is a color-coded map showing the quick maintenance rating for each pipe segment.

It was noted that a few of these segments involved high concentration of fat, oil, and grease (FOG) in residential areas. It is recommended that these areas with prevalent FOG deposits be targeted with public awareness regarding preventative measures on FOG issues. We have included a copy of a door-hanger providing information on such issues for your reference (Enclosure 5). In the future, our maintenance crews will distribute this FOG brochure, targeting residential areas where FOG has been observed. We find this public awareness strategy to be the most effective means of addressing FOG problems in residential areas.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	33,381	71.5	153
2: Good	7,269	15.6	31
3: Fair	2,435	5.2	9
4: Poor	2,687	5.8	9
5: Immediate Attention	938	2.0	5
TOTAL	46,710	100.0	207

STRUCTURAL REPORT

Our inspection revealed that approximately 99.6 percent of the inspected pipe segments within the City of Santa Fe Springs were free of severe structural defects. However, the remaining 0.4 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. This segment had a defect that did not impact the structural integrity of the pipe. Therefore, no action is required at this time. A copy of the actual inspection report for this segment is included in Enclosure 4. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	42,810	91.7	190
2: Good	2,770	5.9	9
3: Fair	938	2.0	4
4: Poor	192	0.4	1
5: Immediate Attention	0	0	0
TOTAL	46,710	100.0	207

FUTURE PROJECTS SCHEDULE

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

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM
2005-2006	Y0TV0506A	628	0.2
2007-2008	Y0TV0708B	46,710	10.9
2009-2010	---	94,296	22.1
2010-2011	---	166,368	39.0
2014-2015	---	119,043	27.8
TOTAL	---	427,045	100.0

ENCLOSURE 1:

Project Overview Map

ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF SANTA FE SPRINGS (Y0TV0708B)
as of 01/23/08

Item No.	QMR	Start MH	End MH	Street	Observation	Corrective Action Taken
1	5200	2078-0005	2025-0468	BURKE ST	Deposits	Hydrojet on 120-day Periodic (cleaned 5/21/08)
2	5141	2024-0563	2024-0562	NORWALK BV	Deposits; grease	Hydrojet (completed 7/30/08)
3	5131	2078-0005	2078-0006	BURKE ST	Deposits	Hydrojet on 120-day Periodic (cleaned 5/21/08)
4	5100	2024-0734	2024-0898	WASHINGTON BV	Deposits; grease	Hydrojet (completed 7/30/08)
5	5100	2024-0736	2024-0735	EASEMENT	Deposits	Hydrojet (completed 7/30/08)
6	4H2M	2077-0517	2077-0509	WELLSFORD PL	High water level	Hydrojet (completed 9/19/08)
7	4B3E	2077-0525	2077-0524	EASEMENT	High water level	Hydrojet (completed 3/23/09)
8	4B00	2024-0899	2024-0733	VICKI DR	High water level	Hydrojet (completed 7/30/08)
9	4A2B	2077-0525	2078-0101	SECURA WY	High water level	Hydrojet (completed 9/23/08)
10	4131	2077-0499	2077-0500	SORENSEN AV	Calcium deposits	Hydrojet (completed 3/23/09)
11	4131	2077-0512	2077-0507	SECURA WY	Deposits (encrustation)	Hydrojet (completed 5/27/08)
12	412S	2078-0098	2078-0097	EASEMENT	Deposits (encrustation)	Hydrojet (completed 7/31/08)
13	4100	2078-0035	2078-PUMP	SORENSEN AV	Deposits; grease	Hydrojet unable to clean; potential of dropping into wet well.
14	4100	2024-0908	2024-0909	EASEMENT	Intruding tap	Noted on maintenance maps.

ENCLOSURE 2 CCTV PROJECT YOTV0708B

Supervisorial
District 4
Santa Fe Springs

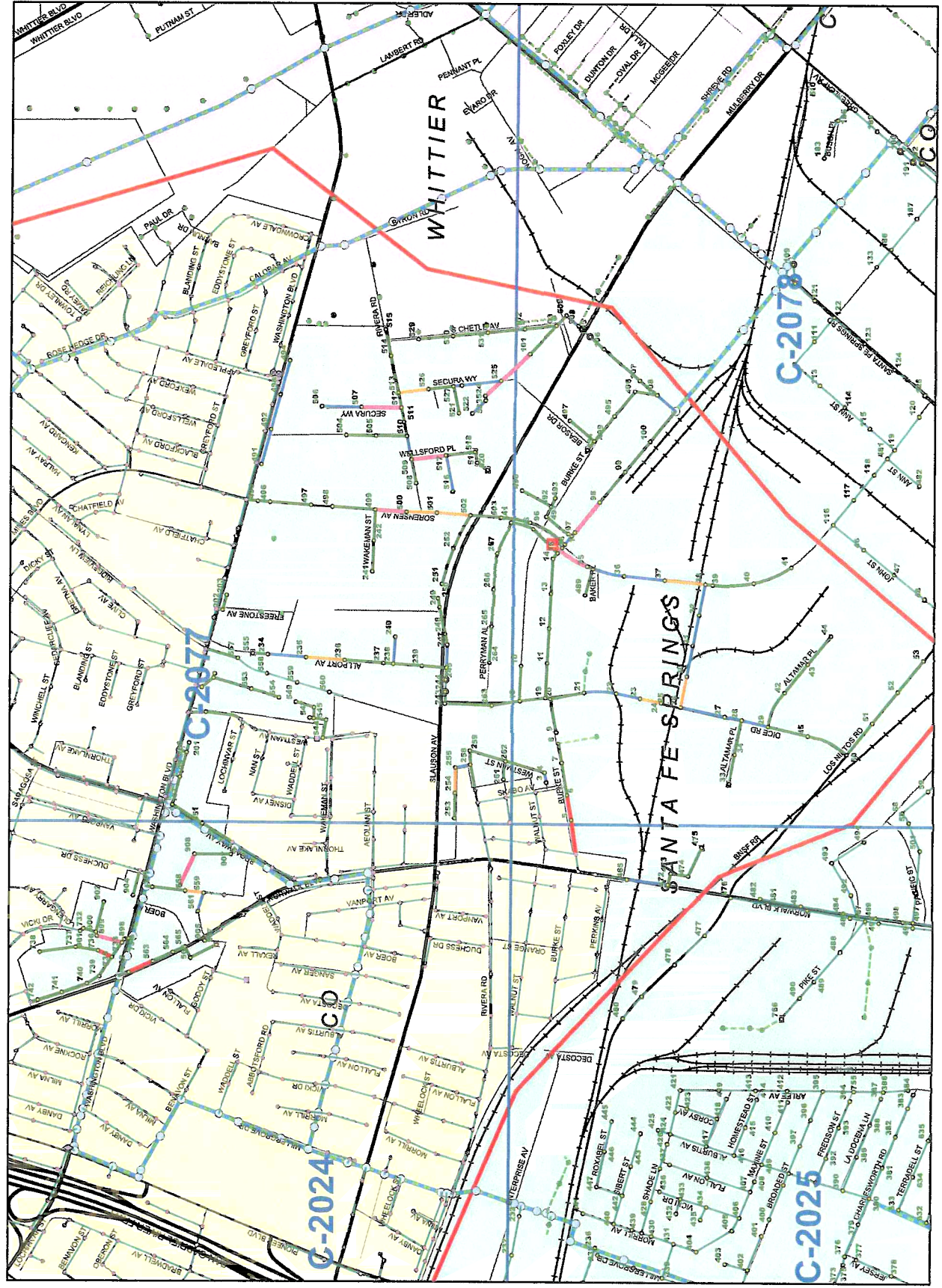
QUICK MAINTENANCE RATING (QMR)



- Legend**
- SMD Sanitary Sewers**
- QMR**
- 1 - EXCELLENT
 - 2 - GOOD
 - 3 - FAIR
 - 4 - POOR
 - 5 - IMMEDIATE ATTENTION
- SMD Manhole**
- o Santa Fe Springs
 - o Other
- MH Type**
- Standard
 - DRIP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations**
- SMD Treatment Plants
- Maintained by Others:**
- Non SMD Sanitary Sewers
 - Trunk MH
 - Non SMD MH
 - Parcel Boundary
 - SMD Operations Maps
 - CCTV Project Area

This map is intended only for internal operations of the Los Angeles County Sewer Maintenance Districts. Los Angeles County expressway easements 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 provided with permission and is not intended for commercial use. All rights reserved. Thomas Bros. Maps

MARCH 24, 2008



ENCLOSURE 3:

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

ENCLOSURE 3
 QUICK STRUCTURAL RATING REPORT PRIORITY LIST
 CITY OF SANTA FE SPRINGS (Y0TV0708B)
 as of 01/23/08

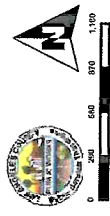
Item No.	QSR	Start MH	End MH	Street	Observation: Location	Proposed Corrective Method
1	4100	2077-0525	2077-0524	Easement E/O Secura Way	Fractures: 0'	Structural integrity in tact. No action at this time.

ENCLOSURE 3

CCTV PROJECT YOTV0708B

Supervisory
District 1 & 4
Santa Fe Springs &
County Unincorporated

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

QSR

EXCELLENT
GOOD
FAIR
POOR

SMD Manholes

Santa Fe Springs
Other

MH Type

Standard
DROP
Shallow
Trap
Siphon
SMD Pump Stations

Maintained by Others:

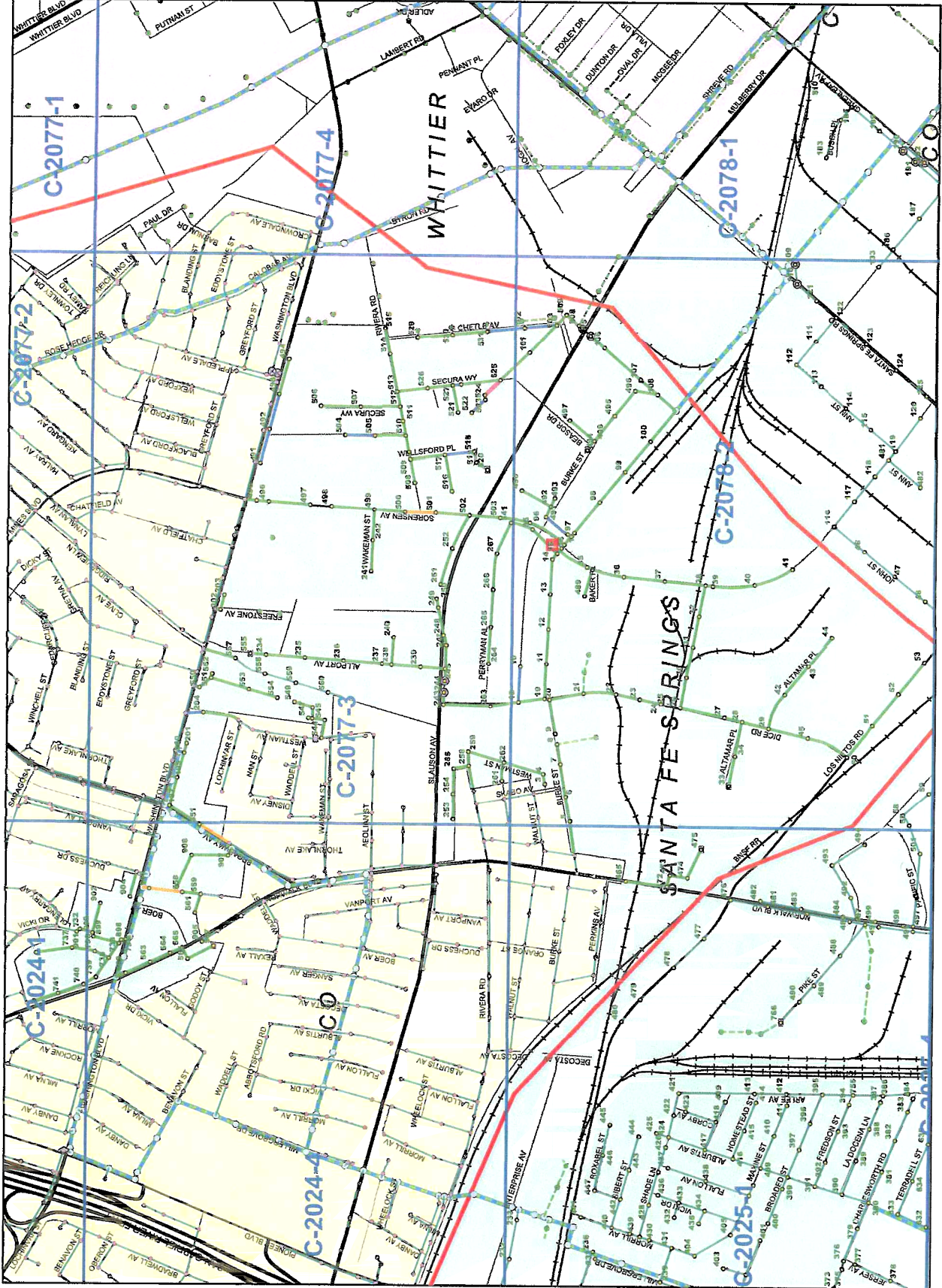
SMD Treatment Plants
Trunk Sewerlines
Non SMD Sanitary Sewers
Trunk MH

DPW_SMD_neand_mh

Parcel Boundary
SMD Operations Maps
CCTV Project Area

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MARCH 24, 2008



ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



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

Inspection report

Date: 12 14 2007	P.O. : YOTV0708B	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 950	PSR: 119217
Total Pipe Length: 192.00	Survey Customer: LACDPW	System Owner: Santa Fe Springs	Clean Date: 12 14 2007	Pre-Cleaned: Jetting	Map Grid :

Street: 0	Flow Control: Not Controlled	Start MH: 2077-0525
City: SF SPRINGS	Year Renewed	End MH: 2077-0524
Location Code: Easement Right of Way	Tape/Media: G312-027	Total length surveyed: 192.6 ft

Purpose: Routine Assessment	Dia/Height: Circular 8"
Use: Sanitary	Material: Vitrified Clay Pipe Pipe Joint length:
Drain. Area: 2077	Lining:
	Category:

Comment:
 Location details:

1:475	position	code	observation	MPEG	photo	grade
	0.00	AMH	Manhole, within 8 inch: NO, Remarks: 2077-0525	00:01:09	5384	
	0.00	FM	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: NO	00:01:41	5385, b	S 4
	6.00	S1	MWLS Water Level Sag, 45 , within 8 inch: NO, Start	00:04:00	5387, b	M 3
	6.00	S2	MCU Camera Underwater, within 8 inch: NO, Start	00:04:22	5389, b	M 4
	79.50	F2	MCU Camera Underwater, within 8 inch: NO, End	00:07:12	5391	M 4
	102.00	TFA	Tap Factory Active, at 9 o'clock, 6" within 8 inch: NO	00:08:01	5392	
	119.10	F1	MWLS Water Level Sag, 45 , within 8 inch: NO, End	00:08:50	5393	M 3
	119.10	MWL	Water Level, 15 , within 8 inch: NO	00:09:11	5394	M 2
	150.30	TFA	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:10:17	5395	
	192.60	AMH	Manhole, within 8 inch: NO, Remarks: 2077-0524	00:12:00	5396	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4232	4	16	20	4	3.2	3.33



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

Inspection report

Date: 12 14 2007	P.O. . YOTV0708B	Weather: Dry	Surveyed By: Gilbert Contreras	section number: 950	PSR: 119217
Total Pipe Length: 192.00	Survey Customer: LACDPW	System Owner: Santa Fe Springs	Clean Date: 12 14 2007	Pre-Cleaned: Jetting	Map Grid .

Street: 0	Flow Control: Not Controlled	Start MH: 2077-0525
City: SF SPRINGS	Year Renewed	End MH: 2077-0524
Location Code: Easement Right of Way	Tape/Media . G312-027	Total length surveyed: 192.6 ft

Purpose: Routine Assessment	Dia/Height: Circular 8"
Use: Sanitary	Material: Vitrified Clay Pipe Pipe Joint length:
Drain. Area: 2077	Lining:
	Category:

Comment:
 Location details:

1.475	position	code	observation	MPEG	photo	grade
	0.00	AMH	Manhole, within 8 inch: NO, Remarks: 2077-0525	00:01:09	5384	
	0.00	FM	Fracture Multiple, from 7 to 6 o'clock, within 8 inch: NO	00:01:41	5385, b	S 4
	6.00	S1 MWLS	Water Level Sag, 45 , within 8 inch: NO, Start	00:04:00	5387, b	M 3
	6.00	S2 MCU	Camera Underwater, within 8 inch: NO, Start	00:04:22	5389, b	M 4
	79.50	F2 MCU	Camera Underwater, within 8 inch: NO, End	00:07:12	5391	M 4
	102.00	TFA	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:08:01	5392	
	119.10	F1 MWLS	Water Level Sag, 45 , within 8 inch: NO, End	00:08:50	5393	M 3
	119.10	MWL	Water Level, 15 , within 8 inch: NO	00:09:11	5394	M 2
	150.30	TFA	Tap Factory Active, at 9 o'clock 6", within 8 inch: NO	00:10:17	5395	
	192.60	AMH	Manhole, within 8 inch: NO, Remarks: 2077-0524	00:12:00	5396	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4232	4	16	20	4	3.2	3.33



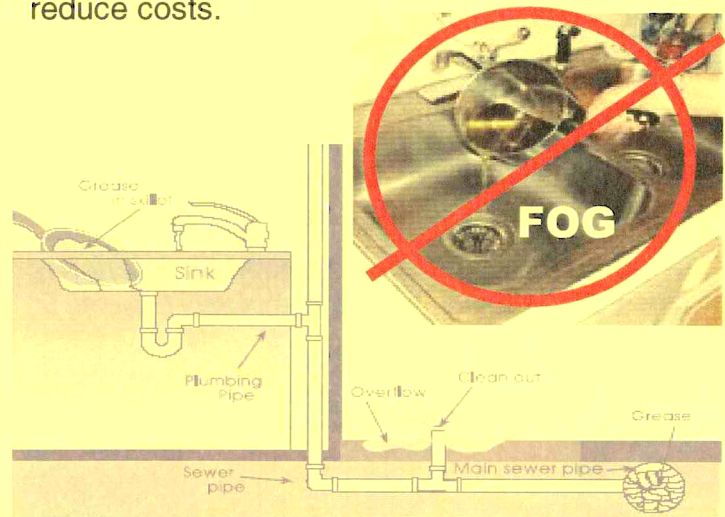
**COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS**

PUBLIC NOTICE

Dear Customer,

During a recent inspection of the mainline sewer on your street, our crews identified a heavy accumulation of grease in the sewer system.

In the interest of providing improved customer service and to eliminate the potential for sewer stoppages and overflows, we would like to work together to make our Sewer System **FAT-FREE**. We can start by getting rid of **Fats, Oils, and Grease (FOG)** to minimize stoppages and reduce costs.



WHY IS IT IMPORTANT TO KEEP FOG OUT OF THE SEWER SYSTEM?

- FOG attaches to the inside of the pipe and decreases flow
- FOG causes Sanitary Sewer Overflows
- FOG creates odor problems
- FOG attracts vermin such as roaches



WHERE DOES IT COME FROM?

- ✓ Meat fats
- ✓ Food scraps
- ✓ Cooking oil
- ✓ Lard
- ✓ Dairy products
- ✓ Butter and Margarine

These and other products can cause damage to your house plumbing and to the sanitary sewer system when rinsed down the sink or flushed down the toilet.



WHAT CAN YOU DO?

- Do not pour FOG down the drain.
- Remember hot water does not prevent FOG from accumulating in the sanitary sewer system. It might not clog your plumbing, but may clog the sewer pipe and cause an overflow in your neighborhood.
- Place all FOG, once cooled, into a container with a lid. For example, use an empty coffee can and throw away in a trash can with a lid.
- Wipe pots and pans with absorbent material, like a paper towel, before cleaning.



Only you can prevent FOG



County of Los Angeles Department of Public Works, Sewer Maintenance Division

Visit: <http://dpw.lacounty.gov/smd/smd/>

Si necesita asistencia con la traducción en Español, por favor comuníquese con el representante del Departamento de Obras Públicas del Condado de Los Angeles, Sandra Brenes (626) 300-3308.



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