



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

IN REPLY PLEASE
REFER TO FILE
IN REPLY PLEASE

REFER TO FILE **SM-1**

September 21, 2009

Mr John D. Ballas, Director of Public Works
City of Industry
15651 East Stafford Street
Industry, CA 91744

Attention Ms Jodi Scrivens

Dear Mr Ballas

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT Y0TV0506E

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 (CCTV) inspection of 26,566 feet or approximately 10.2 percent of the City of Industry'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)

Mr John D Ballas
September 21, 2009
Page 2

The Condition Assessment Report provides 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 the Chapter 8.0 System Evaluation and Capacity Assurance Plan. The segments with critical maintenance issues have been cleaned and, in some instances, incorporated into our routine cleaning schedule. 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 or rswartz@dpw.lacounty.gov

Very truly yours,

GAIL FARBER
Director of Public Works



JOHN T WALKER
Assistant Deputy Director
Sewer Maintenance Division

PK.gy
1757

Enc

bc: Programs Development (ARIKI)

bc: JW, KL, RS, FV, File (Project Y0TV0506E), SPINDLE

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

PROJECT NAME:	Y0TV0506E	PROJECT MGR	Kari Eskridge
PROJECT DATE:	05/10/06-09/15/06	CONTACT NO	(626) 300-3390
SUP DISTRICT(s):	1	MAP PAGE(S)	2260, 2261, 2262
Report By:	Phyo Kyaw	Report Date	09/10/09

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 (CCTV) inspection of 26,566 feet or approximately 10.2 percent of the City of Industry's sewer system.

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

PROJECT AREA AND DESCRIPTION

Project Y0TV0506E included sewer lines located in the Unincorporated County of Los Angeles area and in the Cities of Industry and La Puente. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

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

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

MAINTENANCE REPORT

Our inspection revealed that approximately 87.2 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 12.8 percent of the inspected pipe segments within the City of Industry 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.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	7,009	26.4	35
2: Good	12,705	47.8	48
3: Fair	3,453	13.0	13
4: Poor	2,421	9.1	9
5: Immediate Attention	978	3.7	3
TOTAL	26,566	100.0	108

STRUCTURAL REPORT

Our inspection revealed that approximately 83.7 percent of the inspected pipe segments within the City of Industry were free of severe structural defects. However, the remaining 16.3 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 17 in the Quick Structural Rating Report Priority List (Enclosure 3) which require a corrective action, the proposed corrective method will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 17 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	19,473	73.3	81
2: Good	2,295	8.6	8
3: Fair	468	1.8	2
4: Poor	3,448	13.0	14
5: Immediate Attention	882	3.3	3
TOTAL	26,566	100.0	108

FUTURE PROJECTS

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

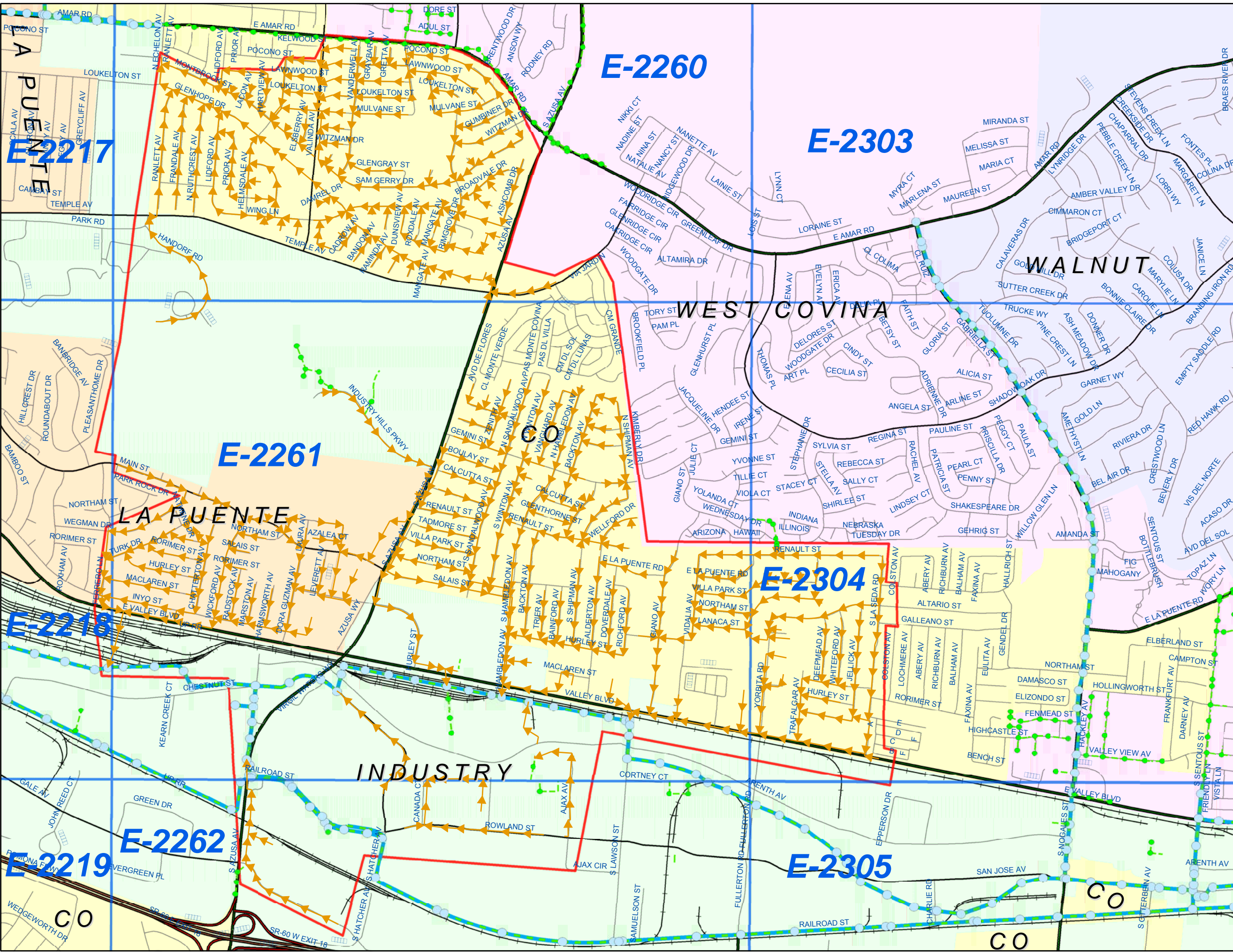
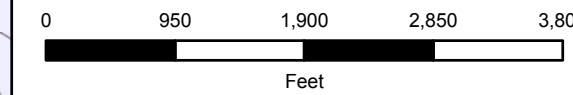
FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2005-2006	Y0TV0506E	26,566	10.2	COMPLETE
2010-2011		83,268	32.0	
2011-2012		20,757	8.0	
2012-2013		5,577	2.1	
2013-2014		57,943	22.3	
2014-2015		60,966	23.4	
2015-2016		5,098	2.0	
TOTAL		260,175	100.0	

ENCLOSURE 1:

Project Overview Map

CCTV PROJECT
Y0TV0506E

Supervisorial District 1
Cities of Industry
La Puente &
County Unincorporated



Legend

SMD Sanitary Sewers

— SMD Sanitary Sewers

SMD Manholes

⊙ Other

Manhole Type

● Standard

▲ DROP

■ Shallow

◆ Trap

⊗ Siphon

Ⓟ SMD Pump Satations

Ⓜ SMD Treatment Plants

Maintained by Others:

— Trunk Sewerlines

- - - Non SMD Sanitary Sewers

● Trunk Mh

● Non SMD Maintained MH

□ SMD Operations Maps

▭ Y0TV0506E

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AUGUST 2009

Y0TV0506E\OVERVIEW.mdx

ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
CITY OF INDUSTRY (Y0TV0506E)
as of 06/12/06

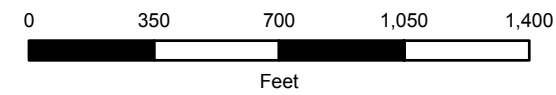
ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN
1	5131	2261-0273	2261-0274	Easement (between Arenth □ UPRR)	Deposits	Hydrojet (completed 05/16/08)
2	5100	2261-0372	2261-0373	Easement (between Valley □ UPRR)	Camera underwater	Hydrojet (completed 05/21/09)
3	5100	2261-0274	2261-0275	Easement (between Arenth □ UPRR)	Deposits	Hydrojet (completed 05/16/08)
4	4300	2261-0373	2261-0450	Easement (UPRR, between Valley □ Chestnut)	High water flow	No action needed.
5	4222	2262-0034	2262-0033	Gale Ave	Sag	Hydrojet (completed 09/17/07)
6	4200	2261-0450	2218-TRNK	Easement (UPRR, between Valley □ Chestnut)	Camera underwater	Hydrojet (completed 05/21/09)
7	412N	2261-0452	2260-0132	Azusa Ave	Deposits	Hydrojet (completed 05/22/09)
8	4127	2261-0461	2261-0460	Chestnut St	Deposits	Hydrojet (completed 05/22/09)
9	4123	2261-0258	2261-0259	Hambledon Ave	Grease	Hydrojet (completed 05/21/09)
10	4121	2260-0442	2260-0441	Maintenance Rd	Rootball	Rodder (completed 04/01/08)
11	4100	2261-0266	2261-0260	Valley Blvd	Camera underwater	Hydrojet (completed 05/22/09)
12	4100	2262-0545	2262-0544	Rowland St	Deposits	Hydrojet (completed 03/13/08)

ENCLOSURE 2

CCTV PROJECT Y0TV0506E

Supervisory District 1
City of Industry

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

⊙ Other

Manhole Type

- Standard
- ▲ DROP
- Shallow
- ◆ Trap
- ⊗ Siphon
- P SMD Pump Stations
- WTP SMD Treatment Plants

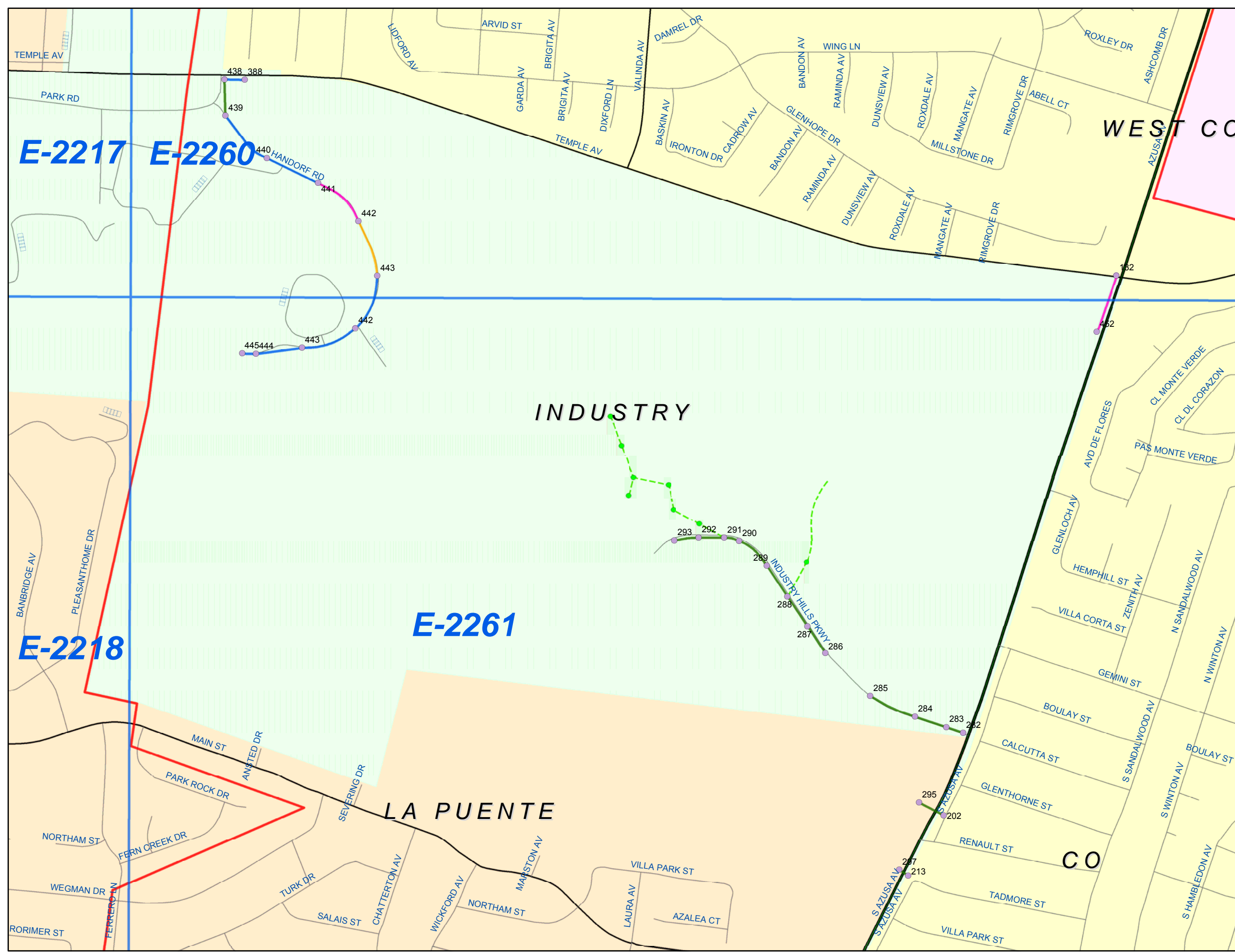
Maintained by Others:

- Trunk Sewerlines
- - - Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
- SMD Operations Maps
- Y0TV0506E

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SEPTEMBER 2009

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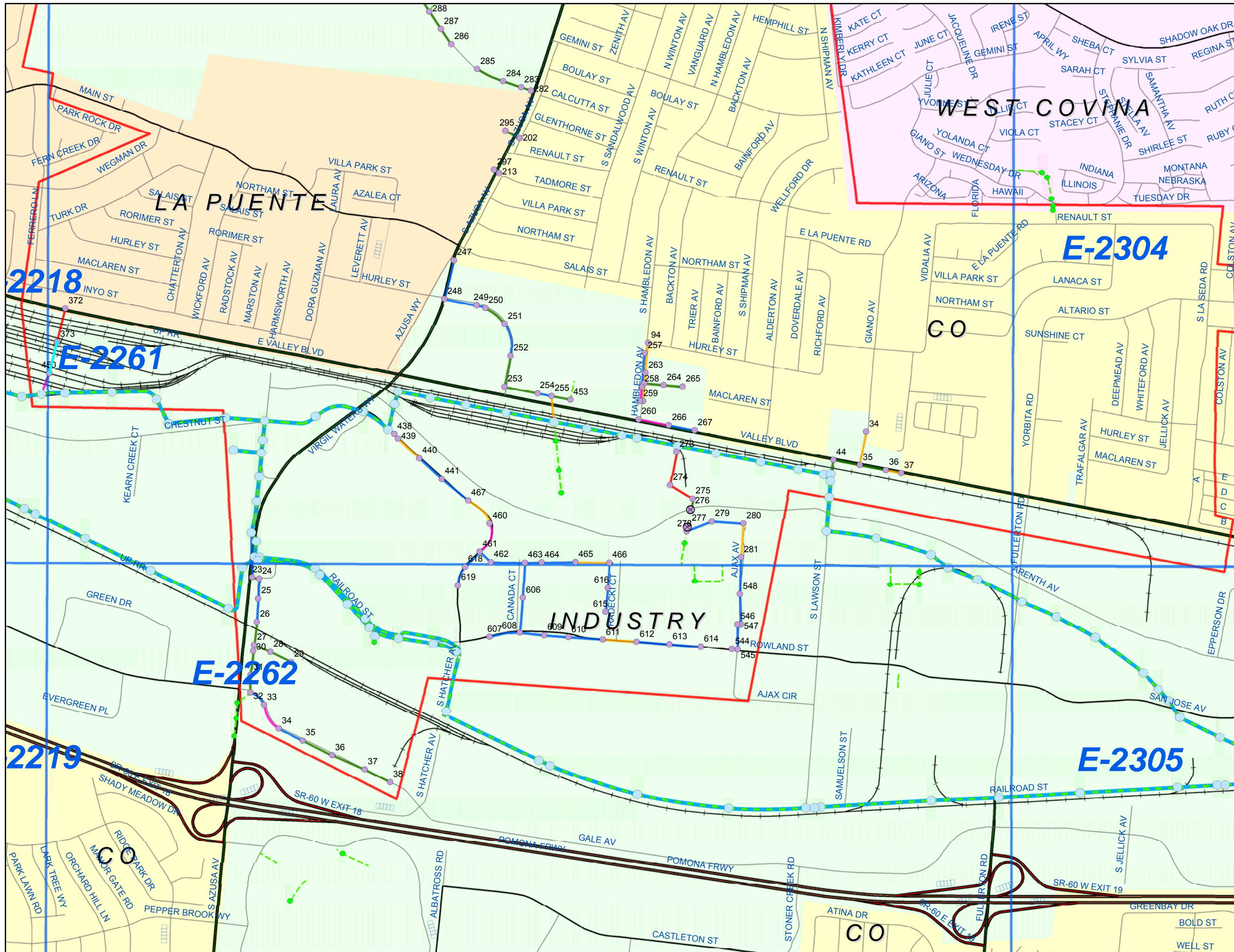
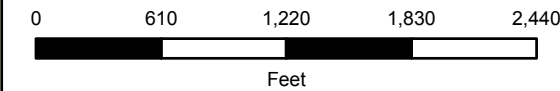


ENCLOSURE 2

CCTV PROJECT Y0TV0506E

Supervisorial District 1
City of Industry

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

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- 2: GOOD
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Other

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SEPTEMBER 2009

Y0TV0506E IND QMR2.mdx

ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF INDUSTRY (Y0TV0506E)
as of 06/12/06

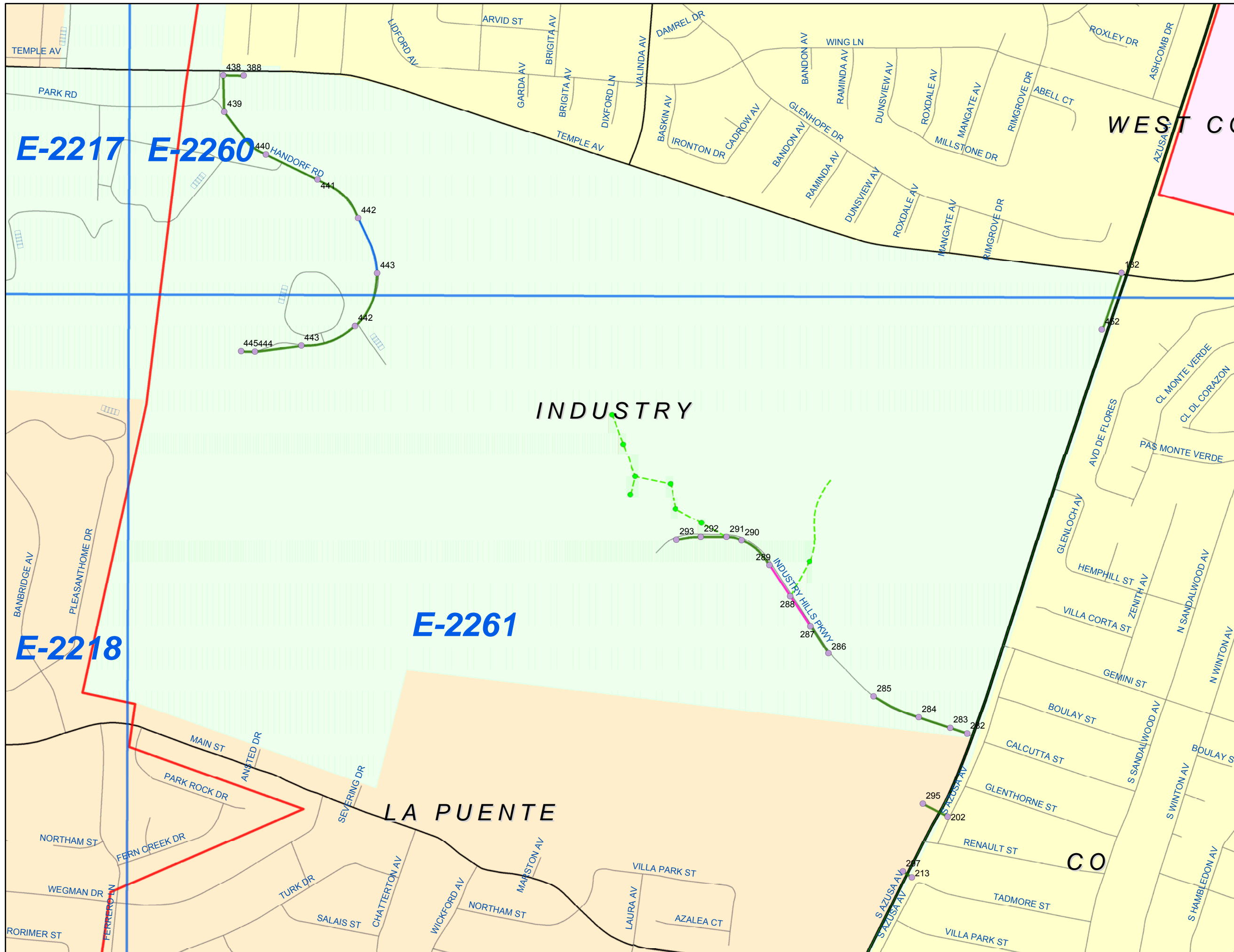
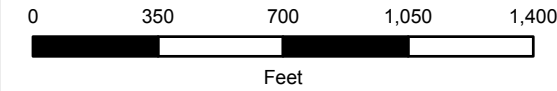
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5143	2261-0257	2261-0258	Hambledon Ave	Hole: End MH 2261-0258; multiple fractures	CSMD will repair MH base.	-
2	5131	2261-0373	2261-0450	Easement (UPRR, between Valley □ Chestnut)	Hole at lateral cap: 29' ; fractures: 44'	Structural integrity intact. No action needed.	-
3	5100	2262-0030	2262-0031	Azusa Ave	Broken with void visible / joint offset: 5'	Point Repair	-
4	4300	2261-0289	2261-0288	Industry Hills Pkwy	Multiple fractures: 66', 175'; End MH 2261-0288	CSMD will repair MH base. Lining: MH to MH	183
5	4234	2261-0273	2261-TRNK	Easement (between Arenth □ UPRR)	Multiple fractures and cracks: 36', 46'	Lining: MH to MH	62
6	4200	2261-0258	2261-0259	Hambledon Ave	Fracture: 8'	Structural integrity intact. No action needed.	-
7	4133	2262-0023	2261-TRNK	Azusa Ave	Fractures: 287'	Structural integrity intact. No action needed.	-
8	4132	2261-0034	2261-0035	Giano Ave	Fracture: 296'	Structural integrity intact. No action needed.	-
9	4121	2262-0027	2262-0026	Azusa Ave	Multiple fractures: 22'	Lining: MH to MH	210
10	4111	2262-0611	2262-0610	Rowland St	Fracture: 254'	Structural integrity intact. No action needed.	-
11	4100	2262-0033	2262-0032	Gale Ave	Fracture: 161'	Structural integrity intact. No action needed.	-
12	4100	2262-0034	2262-0033	Gale Ave	Hole with soil visible and fractures: 266'	Structural integrity intact. No action needed.	-
13	4100	2261-0044	2261-TRNK	Valley Blvd	Fracture: 166'	Structural integrity intact. No action needed.	-
14	4100	2261-0252	2261-0253	Hurley St	Fracture: 292'	Structural integrity intact. No action needed.	-
15	4100	2261-0267	2261-0266	Valley Blvd	Fracture: 130'	Structural integrity intact. No action needed.	-
16	4100	2261-0288	2261-0287	Industry Hills Pkwy	Multiple fractures: 75'	Lining: MH to MH	200
17	4100	2261-0461	2261-0462	Chestnut St	Fractures: 45'	Structural integrity intact. No action needed.	-

ENCLOSURE 3

CCTV PROJECT Y0TV0506E

Supervisory District 1
City of Industry

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

- Other

Manhole Type

- Standard
- DROP
- Shallow
- Trap
- Siphon

- SMD Pump Stations

- SMD Treatment Plants

Maintained by Others:

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

- SMD Operations Maps

- Y0TV0506E

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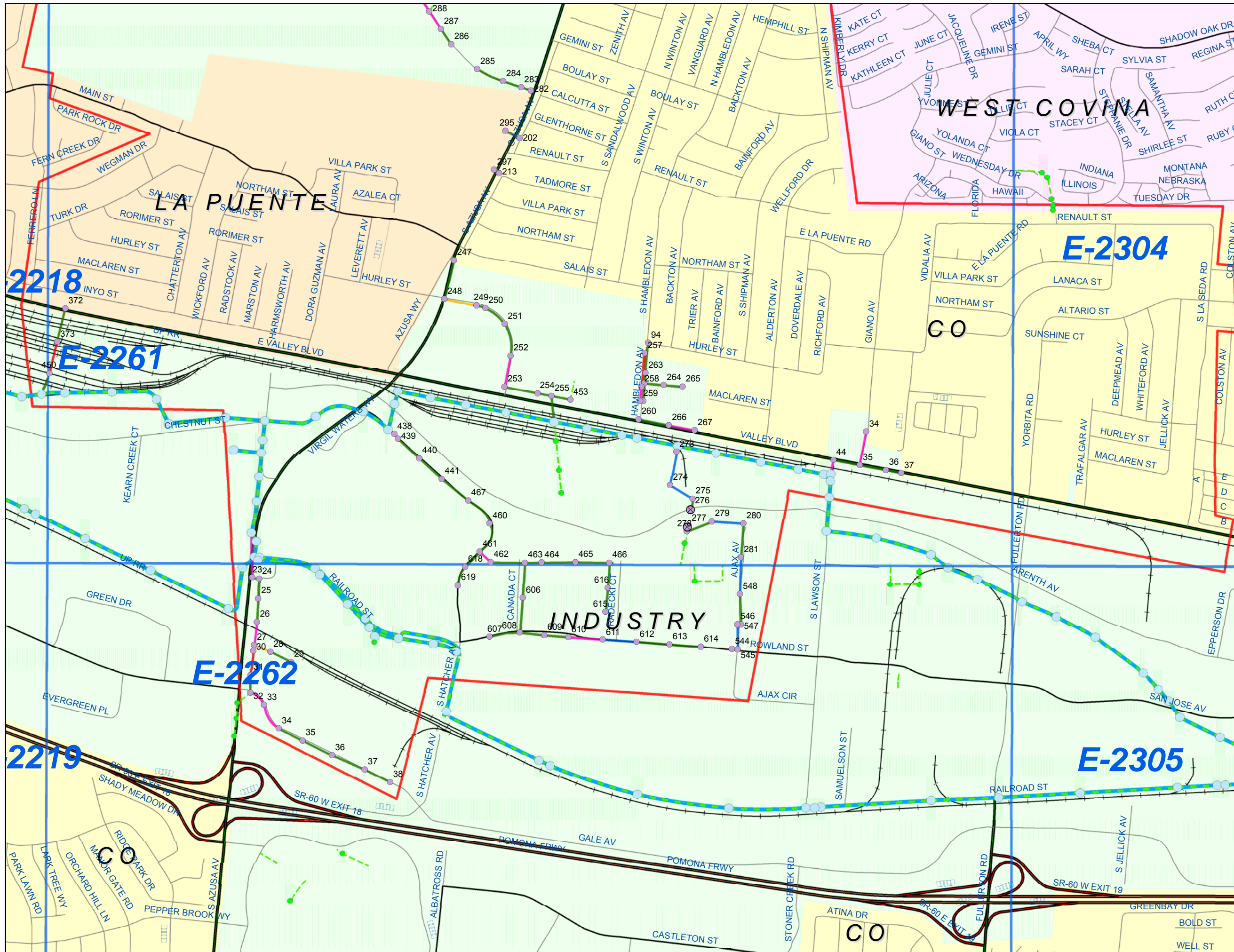
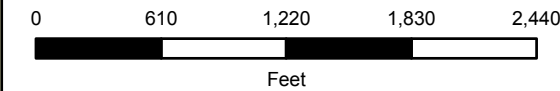
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ENCLOSURE 3

CCTV PROJECT Y0TV0506E

Supervisorial District 1
City of Industry

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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SEPTEMBER 2009

Y0TV0506E IND QSR2.mdx

ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5



Inspection report

Date: 20060525	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 91	PSR: 100320
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: HAMBLEDON AV	Flow Control: N Not Controlled	Start MH: 2261-0257
City: IND	Year Renewed	End MH: 2261-0258
Location Code: C Light Highway	Tape/Media ☐ G011	pipe length: 351.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0257 2261-0258 2261	Lining Method:
	Category:

Remark::

1:693	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0257-2261	00:00:51	2580	
	0.00	Water Level, 25 ☐, within 8 inch: NO	00:01:19	2581	M 2
	1.70	Deposits Attached Ragging, at 6 o'clock, 10 ☐, within 8 inch: NO	00:01:56	2582	M 2
	1.80	Water Level, 10 ☐, within 8 inch: NO	00:02:14	2583	M 2
	3.70	Deposits Attached Grease, from 9 to 3 o'clock, 5 ☐, within 8 inch: NO	00:02:40	2584	M 2
	7.60	Fracture Multiple, from 4 to 10 o'clock, within 8 inch: YES	00:03:22	2585	S 4
	44.40 S1	Deposits Attached Grease, from 2 to 10 o'clock, 10 ☐, within 8 inch: NO, Start	00:04:38	2586	M 2
	45.70	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:05:14	2587	
	46.70	Fracture Circumferential, from 3 to 4 o'clock, within 8 inch: YES	00:05:52	2588	S 2
	48.60	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:06:21	2589	
	93.80	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:08:53	2590	
	96.60	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:09:42	2591	
	125.60	General Observation, within 8 inch: NO, Remarks: joint length 3'	00:11:13	2592	
	145.50	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:12:24	2593	
	147.70	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:13:06	2594	
	196.60	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:15:10	2595	
	199.00	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:15:43	2596	
	248.20	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:17:25	2597	
	250.70	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:18:01	2598	
	250.90	Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES	00:19:12	2599	S 2
	252.40	Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES	00:19:55	2600	S 4
	255.20	Fracture Multiple, from 8 to 10 o'clock, within 8 inch: YES	00:20:47	2601	S 4
	270.80	Fracture Circumferential, from 6 to 10 o'clock, within 8 inch: YES	00:21:38	2602	S 2



Inspection report

Date: 20060525	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 91	PSR: 100320
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #:

1:693	position	observation	MPEG	photo	grade
	299.60	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:23:00	2603	
	302.20	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:23:32	2604	
	341.30	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:24:57	2605	
	344.00	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:25:38	2606	
	351.10	Manhole, within 8 inch: NO, Remarks: 0258-2261	00:27:26	2607	
	351.10 F1	Deposits Attached Grease, from 2 to 10 o'clock, 10", within 8 inch: NO, End	00:28:36	2608	M 2
	351.10	Hole Void Visible, from 2 to 5 o'clock, within 8 inch: NO, Remarks: channel of MH	00:26:50	2609	S 5

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5143	2600	23	12	35	3.29	2	2.69



Inspection report

Date: 20060609	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: NPS T Glock	section number: 854	PSR: 100187
Total Pipe Length: 0	Survey Customer: LACDPW	System Owner: IND	Clean Date:	Pre-Cleaned: N No Pre-Cleaning	Map Grid #: 2261

Street: VALLEY BL R/W	Flow Control: N Not Controlled	Start MH: 2261-0373
City: IND	Year Renewed:	End MH: 2261-0450
Location Code: D Easement Right of Way	Tape/Media # N A	pipe length: 107 ft

Reason for inspection: F	Dia/Height: C 15" 15"
Use of Sewer: SS Sanitary	Material: VCP Pipe Length: 335
Drain. Area: 0373 2261-0450 2261	Lining Method:
	Category:

Remark: **High Flow survey abandoned**

1:275	position	observation	MPEG	photo	grade
	0.00	Upstream Manhole, Survey Begins			
	4.90	Water Mark, 60 % of cross sectional area			M 4
	26.75	Tap Factory Made Capped, at 10 o'clock, 6", within 8 inch: NO			
	29.00	Tap Factory Made Capped, at 02 o'clock, 6", within 8 inch: NO, Remark: hole in bulkhead			
	29.30	Hole, at 02 o'clock, within 8 inch: NO, Remark: inside capped lateral			S 5
	44.30	Fracture Longitudinal, at 11 o'clock, within 8 inch: NO			S 3
	107.00	Survey Abandoned, Remark: Camera underwater, high flow			

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5131	4100	8	4	12	4	4	4



Inspection report

Date: 20060601	P.O.☐: Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 331	PSR: 100053
Total Pipe Length: 197.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐:

Street: AZUSA AV	Flow Control: N Not Controlled	Start MH: 2262-0030
City: IND	Year Renewed:	End MH: 2262-0031
Location Code: C Light Highway	Tape/Media ☐: R013	pipe length: 203.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0030 2262-0031 2262	Lining Method:
	Category:

Remark: ☐

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0030-2262	00:00:51	2716	
	5.00	Broken Void Visible, from 4 to 6 o'clock, within 8 inch: YES	00:02:46	2717	S 5
	9.60	Water Level, 5 ☐, within 8 inch: NO	00:03:48	2718	M 2
	14.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:04:27	2719	
	203.40	Manhole, within 8 inch: NO, Remarks: 0031-2262	00:11:53	2720	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
5100	2100	5	2	7	5	2	3.5



Inspection report

Date: 20060607	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 378	PSR: 100226
Total Pipe Length: 222.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: INDUSTRY HILLS PKWY	Flow Control: N Not Controlled	Start MH: 2261-0289
City: IND	Year Renewed	End MH: 2261-0288
Location Code: C Light Highway	Tape/Media ☐ R017	pipe length: 183.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 6.0
Drain. Area: 0288 2261-0289 2261	Lining Method:
	Category:

Remark::

1:450	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0289-2261	00:00:52	3206	
	0.00	Water Level, 10 ☐, within 8 inch: NO	00:01:18	3207	M 2
	66.40	Fracture Multiple, from 5 to 11 o'clock, within 8 inch: YES	00:04:31	3208	S 4
	172.10	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, Start	00:09:21	3209	S 4
	175.00	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, End	00:10:09	3210	S 4
	183.90	Manhole, within 8 inch: NO, Remarks: 0288-2261	00:11:35	3211	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4300	2100	12	2	14	4	2	3.5



Inspection report

Date: 20060915	P.O. # YOTV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 925	PSR: 100211
Total Pipe Length: 63.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #

Street: ARENTH	Flow Control: N Not Controlled	Start MH: 2261-0273
City: IND	Year Renewed:	End MH: 2261-TRNK
Location Code: C Light Highway	Tape/Media # R023	pipe length: 62.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0273:2261-TRNK:2261	Lining Method: Category:

Remark:

1:175	position	observation	MPEG	photo	grade
3					
	2261-0273	0.00	Manhole, within 8 inch: NO, Remarks: 2261-0273	00:00:50	144
	6.50	Crack Circumferential, from 7 to 1 o'clock, within 8 inch: YES	00:02:15	145	S 1
	6.50	Crack Longitudinal, at 11 o'clock, within 8 inch: YES	00:02:44	146	S 2
	6.50	Roots Fine Joint, at 7 o'clock, within 8 inch: YES	00:01:47	147	
	10.80	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:03:40	148	S 2
	11.80	Crack Circumferential, from 1 to 3 o'clock, within 8 inch: YES	00:04:29	149	S 1
	11.80	Crack Longitudinal, at 3 o'clock, within 8 inch: YES	00:04:03	150	S 2
	11.80	Crack Longitudinal, at 9 o'clock, within 8 inch: YES	00:04:53	151	S 2
	15.80	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:05:18	152	S 2
	16.90	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:05:41	153	S 2
	27.00	Crack Multiple, at 7 o'clock, within 8 inch: YES	00:07:18	154	S 3
	32.30	Fracture Multiple, from 9 to 4 o'clock, within 8 inch: YES	00:08:22	155	S 4
	36.40	Fracture Multiple, from 10 to 5 o'clock, within 8 inch: YES	00:09:16	156	S 4
	41.60	Crack Multiple, from 2 to 9 o'clock, within 8 inch: YES	00:11:04	157	S 3
	41.60	Fracture Longitudinal, at 1 o'clock, within 8 inch: YES	00:10:17	158	S 3
	46.50	Crack Multiple, from 8 to 3 o'clock, within 8 inch: YES	00:11:59	159	S 3
	51.40	Roots Fine Joint, from 4 to 8 o'clock, within 8 inch: YES	00:12:25	160	
	56.30	Roots Fine Joint, from 4 to 7 o'clock, within 8 inch: YES	00:12:49	161	
	56.90	Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES	00:13:18	162	S 1
	62.40	Manhole, within 8 inch: NO, Remarks: 2261-TRNK	00:13:59	163	
34					

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4234	0000	35	0	35	2.33	0	2.33



Inspection report

Date: 20060525	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 92	PSR: 100321
Total Pipe Length: 148.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: HAMBLEDON AV	Flow Control: N Not Controlled	Start MH: 2261-0258
City: IND	Year Renewed	End MH: 2261-0259
Location Code: C Light Highway	Tape/Media ☐ G011	pipe length: 169.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 3.0
Drain. Area: 0258 2261-0259 2261	Lining Method:
	Category:

Remark::

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0258-2261	00:00:50	2610	
	6.00	Deposits Attached Grease, from 9 to 3 o'clock, 5 ☐, within 8 inch: NO	00:01:50	2611	M 2
	7.00	Water Level, 10 ☐, within 8 inch: NO	00:02:24	2612	M 2
	8.50 S1	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, Start	00:02:54	2613	S 4
	27.70 S2	Deposits Attached Grease, from 8 to 4 o'clock, 10 ☐, within 8 inch: NO, Start	00:04:18	2614	M 2
	46.90	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:05:18	2615	
	49.50	Tap Factory Active, at 3 o'clock, 4", within 8 inch: NO	00:05:48	2616	
	77.00	Water Level, 20 ☐, within 8 inch: NO	00:06:54	2617	M 2
	88.40	Water Level, 45 ☐, within 8 inch: NO	00:07:27	2618	M 2
	95.20	Tap Factory Capped, at 9 o'clock, 4", within 8 inch: NO	00:07:59	2619	
	98.50	Tap Factory Capped, at 3 o'clock, 4", within 8 inch: NO	00:08:33	2620	
	151.10	Camera Underwater, within 8 inch: NO	00:11:23	2621	M 4
	162.40	Tap Break-in Active, at 12 o'clock, 6", within 8 inch: NO	00:12:50	2622	
	166.20 F2	Deposits Attached Grease, from 8 to 4 o'clock, 10 ☐, within 8 inch: NO, End	00:13:40	2623	M 2
	166.20 F1	Fracture Multiple, from 8 to 4 o'clock, within 8 inch: YES, End	00:13:22	2624	S 4
	169.30	Manhole, within 8 inch: NO, Remarks: 0259-2261	00:14:47	2625	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4200	4126	8	16	24	4	2.29	2.67



Inspection report

Date: 20060605	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 359	PSR: 24642
Total Pipe Length: 466.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #:

Street: AZUSA AV	Flow Control: N Not Controlled	Start MH: 2262-0023
City: IND	Year Renewed:	End MH: 2261-TRNK
Location Code: C Light Highway	Tape/Media # R015	pipe length: 296.2 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0023 2262-TRNK 2261	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0023-2262	00:00:49	2980	
	10.90	Water Level, 10 #, within 8 inch: NO	00:02:06	2981	M 2
	15.90	General Observation, within 8 inch: NO, Remarks: Pipe Joint Lengtyh 5'	00:02:57	2982	
	53.20	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:04:37	2983	
	55.90	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:06:07	2984	
	117.50	Crack Longitudinal, at 8 o'clock, within 8 inch: YES	00:08:16	2985	S 2
	123.70 S1	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 #, within 8 inch: NO, Start	00:09:04	2986	M 2
	130.20 F1	Deposits Attached Encrustation, from 8 to 4 o'clock, 5 #, within 8 inch: NO, End	00:09:45	2987	M 2
	137.90	Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:10:46	2988	S 3
	154.10	Tap Factory Capped, at 12 o'clock, 6", within 8 inch: NO	00:11:49	2989	
	201.50	Crack Multiple, from 1 to 5 o'clock, within 8 inch: YES	00:13:45	2990	S 3
	263.10	Tap Factory Capped, at 12 o'clock, 6", within 8 inch: NO	00:15:38	2991	
	287.50	Fracture Multiple, from 3 to 5 o'clock, within 8 inch: YES	00:17:09	2992	S 4
	290.00	Crack Multiple, from 7 to 3 o'clock, within 8 inch: YES	00:18:13	2993	S 3
	296.20	Manhole, within 8 inch: NO, Remarks: 0023-A-2262	00:22:04	2994	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4133	2300	15	6	21	3	2	2.63



Inspection report

Date: 20060605	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 354	PSR: 100465
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: GIANO AV	Flow Control: N Not Controlled	Start MH: 2261-0034
City: IND	Year Renewed	End MH: 2261-0035
Location Code: C Light Highway	Tape/Media ☐ R015	pipe length: 328.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 4.0
Drain. Area: 0034:2261-0035:2261	Lining Method:
	Category:

Remark::

1:800	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0034-2261	00:00:50	2926	
	<u>11.30</u>	Water Level, 15 ☐, within 8 inch: NO	00:04:07	2927	M 2
	<u>16.20</u>	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:04:59	2928	
	<u>54.10</u>	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:19	2929	
	<u>56.80</u>	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:06:45	2930	
	<u>103.30</u>	Crack Multiple, from 4 to 9 o'clock, within 8 inch: YES	00:08:46	2931	S 3
	<u>110.00</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:09:26	2932	
	<u>117.50</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:10:06	2933	
	<u>196.30</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:12:32	2934	
	<u>199.20</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:13:05	2935	
	<u>235.90</u>	Crack Multiple, from 10 to 5 o'clock, within 8 inch: YES	00:14:37	2936	S 3
	<u>257.30</u>	Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO	00:15:48	2937	
	<u>260.10</u>	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:16:19	2938	
	<u>269.80</u> S1	Water Level Sag, 45 ☐, within 8 inch: NO, Start	00:16:59	2939	M 3
	<u>273.40</u>	Water Level, 75 ☐, within 8 inch: NO	00:17:32	2940	M 2
	<u>290.20</u> F1	Water Level Sag, 45 ☐, within 8 inch: NO, End	00:19:09	2941	M 3
	<u>296.10</u>	Water Level, 25 ☐, within 8 inch: NO	00:19:50	2942	M 2
	<u>296.70</u>	Fracture Multiple, from 1 to 5 o'clock, within 8 inch: YES	00:20:27	2943	S 4
	328.10	Manhole, within 8 inch: NO, Remarks: 0035-2261	00:22:14	2944	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4132	3223	10	12	22	3.33	2.4	2.75



Inspection report

Date: 20060601	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 330	PSR: 100055
Total Pipe Length: 207.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: GALE AV	Flow Control: N Not Controlled	Start MH: 2262-0033
City: IND	Year Renewed	End MH: 2262-0032
Location Code: C Light Highway	Tape/Media ☐ R013	pipe length: 288.4 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0032 2262-0033 2262	Lining Method:
	Category:

Remark::

1:725	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0033-2262	00:00:49	2691	
	7.70	Water Level, 10 ☐, within 8 inch: NO	00:01:37	2692	M 2
	12.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:02:15	2693	
	28.40 S1	Water Level Sag, 20 ☐, within 8 inch: NO, Start	00:03:15	2694	M 2
	48.10 F1	Water Level Sag, 20 ☐, within 8 inch: NO, End	00:04:23	2695	M 2
	48.10	Water Level, 10 ☐, within 8 inch: NO	00:04:45	2696	M 2
	82.30	Tap Break-in Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:06:38	2697	
	98.80 S2	Water Level Sag, 20 ☐, within 8 inch: NO, Start	00:07:37	2698	M 2
	108.10	Water Level, 30 ☐, within 8 inch: NO	00:08:26	2699	M 2
	110.00	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:08:55	2700	
	146.10 F2	Water Level Sag, 20 ☐, within 8 inch: NO, End	00:10:51	2701	M 2
	147.30	Water Level, 10 ☐, within 8 inch: NO	00:11:18	2702	M 2
	161.70	Fracture Multiple, from 7 to 9 o'clock, within 8 inch: YES	00:12:41	2703	S 4
	179.70 S3	Water Level Sag, 30 ☐, within 8 inch: NO, Start	00:13:58	2704	M 2
	197.10 F3	Water Level Sag, 30 ☐, within 8 inch: NO, End	00:15:12	2705	M 2
	197.10	Water Level, 10 ☐, within 8 inch: NO	00:15:33	2706	M 2
	207.60	Crack Longitudinal, at 10 o'clock, within 8 inch: YES	00:16:37	2707	S 2
	226.20 S4	Water Level Sag, 30 ☐, within 8 inch: NO, Start	00:17:52	2708	M 2
	232.50	Water Level, 45 ☐, within 8 inch: NO	00:18:38	2709	M 2
	252.20 F4	Water Level Sag, 30 ☐, within 8 inch: NO, End	00:19:45	2710	M 2
	252.20	Water Level, 10 ☐, within 8 inch: NO	00:20:08	2711	M 2
	274.70 S5	Water Level Sag, 20 ☐, within 8 inch: NO, Start	00:21:20	2712	M 2
	281.10	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:22:12	2713	
	286.60 F5	Water Level Sag, 20 ☐, within 8 inch: NO, End	00:22:47	2714	M 2
	288.40	Manhole, within 8 inch: NO, Remarks: 0032-2262	00:23:31	2715	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2B00	6	34	40	3	2	2.11



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

Inspection report

Date: 20060601	P.O.☐: Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 333	PSR: 100049
Total Pipe Length: 211.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐:

Street: AZUSA AV	Flow Control: N Not Controlled	Start MH: 2262-0027
City: IND	Year Renewed:	End MH: 2262-0026
Location Code: C Light Highway	Tape/Media ☐: R013	pipe length: 210.1 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 12"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 4.0
Drain. Area: 0026 2262-0027 2262	Lining Method:
	Category:

Remark::

1:525	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0027-2262	00:00:48	2726	
	8.00	Water Level, 10 ☐, within 8 inch: NO	00:03:20	2727	M 2
	20.90	Crack Circumferential, from 12 to 11 o'clock, within 8 inch: NO	00:04:48	2728	S 1
	22.20	Fracture Multiple, from 12 to 11 o'clock, within 8 inch: YES	00:05:33	2729	S 4
	183.70	Crack Longitudinal, at 2 o'clock, within 8 inch: YES	00:12:18	2730	S 2
	210.10	Manhole, within 8 inch: NO, Remarks: 0026-2262	00:13:51	2731	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4121	2100	7	2	9	2.33	2	2.25



Inspection report

Date: 20060526	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 105	PSR: 99496
Total Pipe Length: 350.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: ROWLAND ST	Flow Control: N Not Controlled	Start MH: 2262-0611
City: IND	Year Renewed	End MH: 2262-0610
Location Code: A Main Highway - Urban	Tape/Media ☐ G012	pipe length: 351.9 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0610 2262-0611 2262	Lining Method:
	Category:

Remark::

1:875	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0611-2262	00:00:51	2871	
	0.00	Water Level, 10 ☐, within 8 inch: NO	00:01:24	2872	M 2
	23.70	General Observation, within 8 inch: NO, Remarks: joint length 5'	00:02:39	2873	
	107.00	Joint Offset Medium, within 8 inch: NO	00:05:19	2874	S 1
	191.70	Tap Factory Active, at 9 o'clock, 4", within 8 inch: NO	00:08:17	2875	
	199.80 S1	Water Level Sag, 30 ☐, within 8 inch: NO, Start	00:08:59	2876	M 2
	203.90	Deposits Attached Grease, from 9 to 4 o'clock, 5 ☐, within 8 inch: YES	00:09:39	2877	M 2
	211.40	Deposits Attached Grease, from 4 to 8 o'clock, 5 ☐, within 8 inch: NO	00:10:17	2878	M 2
	226.00 F1	Water Level Sag, 30 ☐, within 8 inch: NO, End	00:11:02	2879	M 2
	226.10	Alignment Down, within 8 inch: NO	00:11:38	2880	M 1
	226.10	Water Level, 10 ☐, within 8 inch: NO	00:11:21	2881	M 2
	234.30	Deposits Attached Grease, from 4 to 8 o'clock, 5 ☐, within 8 inch: NO	00:12:14	2882	M 2
	253.90	Deposits Attached Grease, from 8 to 4 o'clock, 5 ☐, within 8 inch: NO	00:13:59	2883	M 2
	253.90	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:13:37	2884	S 4
	281.30	Deposits Attached Grease, from 11 to 5 o'clock, 5 ☐, within 8 inch: YES	00:15:26	2885	M 2
	292.30	Intruding Sealing Ring Hanging, from 12 to 1 o'clock, 5 ☐, within 8 inch: NO	00:16:15	2886	M 2
	351.90	Manhole, within 8 inch: NO, Remarks: 0610-2262	00:18:42	2887	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4111	2A11	5	21	26	2.5	1.91	2



Inspection report

Date: 20060602	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 345	PSR: 100314
Total Pipe Length: 327.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #:

Street: HURLEY ST	Flow Control: N Not Controlled	Start MH: 2261-0252
City: IND	Year Renewed:	End MH: 2261-0253
Location Code: C Light Highway	Tape/Media # R014	pipe length: 305.6 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 15"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 8.0
Drain. Area: 0252 2261-0253 2261	Lining Method:
	Category:

Remark::

1:750	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0252-2261	00:00:55	2827	
	1.70	Vermin Cockroach, within 8 inch: NO	00:01:32	2828	M 1
	11.30	Water Level, 10 #, within 8 inch: NO	00:02:04	2829	M 2
	19.40	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 8'	00:02:47	2830	
	52.80	Tap Break-in Active, at 10 o'clock, 6", within 8 inch: NO	00:04:06	2831	
	150.20	Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO	00:06:49	2832	
	256.70	Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO	00:09:50	2833	
	292.90	Fracture Multiple, from 4 to 7 o'clock, within 8 inch: YES	00:12:04	2834	S 4
	305.60	Manhole, within 8 inch: NO, Remarks: 0253-2261	00:13:05	2835	

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



Inspection report

Date: 20060607	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 379	PSR: 100225
Total Pipe Length: 216.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: INDUSTRY HILLS PKWY	Flow Control: N Not Controlled	Start MH: 2261-0288
City: IND	Year Renewed	End MH: 2261-0287
Location Code: C Light Highway	Tape/Media ☐ R017	pipe length: 201.7 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 6.0
Drain. Area: 0287 2261-0288 2261	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0288-2261	00:00:50	3212	
	10.60	Water Level, 10 ☐, within 8 inch: NO	00:01:51	3213	M 2
	16.30	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 6'	00:02:36	3214	
	70.40	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:05:09	3215	S 4
	201.70	Manhole, within 8 inch: NO, Remarks: 0287-2261	00:10:32	3216	

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



Inspection report

Date: 20060606	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 363	PSR: 100204
Total Pipe Length: 273.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: VALLEY BL	Flow Control: N Not Controlled	Start MH: 2261-0267
City: IND	Year Renewed	End MH: 2261-0266
Location Code: C Light Highway	Tape/Media ☐ R016	pipe length: 308.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0266 2261-0267 2261	Lining Method:
	Category:

Remark::

1:775	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0267-2261	00:00:51	3029	
	10.70	Water Level, 5 ☐, within 8 inch: NO	00:03:36	3030	M 2
	15.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:04:18	3031	
	109.60	Tap Factory Active, at 2 o'clock, 6", within 8 inch: NO	00:08:13	3032	
	118.70	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:08:59	3033	
	130.10	Fracture Multiple, from 3 to 6 o'clock, within 8 inch: YES	00:12:03	3034	S 4
	135.20	Repair Patch, from 9 to 11 o'clock, within 8 inch: YES, Remarks: Cement Also Plastic	00:14:09	3035	
	217.40	Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO	00:18:02	3036	
	289.30	Deposits Attached Other, from 1 to 2 o'clock, 5 ☐, within 8 inch: NO, Remarks: Factory Glue	00:22:10	3037	M 2
	308.30	Manhole, within 8 inch: NO, Remarks: 0266-2261	00:24:06	3038	

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



Inspection report

Date: 20060601	P.O.☐ Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 329	PSR: 100056
Total Pipe Length: 302.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid ☐

Street: GALE AV	Flow Control: N Not Controlled	Start MH: 2262-0034
City: IND	Year Renewed	End MH: 2262-0033
Location Code: C Light Highway	Tape/Media ☐ R013	pipe length: 275.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 8"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 5.0
Drain. Area: 0033 2262-0034 2262	Lining Method:
	Category:

Remark::

1:675	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0034-2262	00:00:49	2676	
	0.00 S1	Water Level Sag, 70 ☐, within 8 inch: NO, Start	00:01:19	2677	M 4
	13.30	Water Level, 40 ☐, within 8 inch: NO	00:02:34	2678	M 2
	18.60	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 5'	00:03:19	2679	
	18.60 F1	Water Level Sag, 70 ☐, within 8 inch: NO, End	00:03:37	2680	M 4
	18.60	Water Level, 15 ☐, within 8 inch: NO	00:04:03	2681	M 2
	39.50	Water Level, 5 ☐, within 8 inch: NO	00:05:07	2682	M 2
	109.70 S2	Water Level Sag, 25 ☐, within 8 inch: NO, Start	00:08:05	2683	M 2
	121.30 F2	Water Level Sag, 25 ☐, within 8 inch: NO, End	00:08:58	2684	M 2
	121.30	Water Level, 10 ☐, within 8 inch: NO	00:09:22	2685	M 2
	159.60	Tap Break-in Active, at 9 o'clock, 6", within 8 inch: NO	00:11:13	2686	
	201.90	Tap Factory Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:13:10	2687	
	266.20	Fracture Multiple, from 5 to 10 o'clock, within 8 inch: NO	00:16:40	2688	S 4
	269.20	Tap Break-in Abandoned, at 9 o'clock, 6", within 8 inch: NO	00:17:40	2689	
	275.30	Manhole, within 8 inch: NO, Remarks: 0033-2262	00:18:35	2690	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	4226	4	20	24	4	2.5	2.67



Inspection report

Date: 20060608	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: Rigo Alvarez	section number: 392	PSR: 100477
Total Pipe Length: 147.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #:

Street: VALLEY BL	Flow Control: N Not Controlled	Start MH: 2261-0044
City: IND	Year Renewed:	End MH: 2261-TRNK
Location Code: C Light Highway	Tape/Media # R018	pipe length: 197.3 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 15"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 4.0
Drain. Area: 0044:2261-TRNK:2261	Lining Method:
	Category:

Remark::

1:500	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0044-2261	00:00:49	3284	
	14.00	Water Level, 10 #, within 8 inch: NO	00:02:16	3285	M 2
	18.80	General Observation, within 8 inch: NO, Remarks: Pipe Joint Length 4'	00:02:53	3286	
	166.10	Fracture Multiple, from 6 to 10 o'clock, within 8 inch: YES	00:06:40	3287	S 4
	197.30	Manhole, within 8 inch: NO, Remarks: TRNK-2261	00:08:09	3288	

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



Inspection report

Date: 20060601	P.O. #: Y0TV0506E	Weather: 1 Dry	Surveyed By: Gilbert Contreras	section number: 131	PSR: 100018
Total Pipe Length: 164.00	Survey Customer: LACDPW	System Owner: LACDPW	Clean Date:	Pre-Cleaned: J Jetting	Map Grid #:

Street: CHESTNUT ST	Flow Control: N Not Controlled	Start MH: 2261-0461
City: IND	Year Renewed:	End MH: 2261-0462
Location Code: D Easement/Right of Way	Tape/Media # G015	pipe length: 167.5 ft

Reason for inspection: F Routine Assessment	Dia/Height: C Circular 15"
Use of Sewer: SS Sanitary	Material: VCP Vitrified Clay Pipe Pipe Length: 6.0
Drain. Area: 0461 2261-0462 2261	Lining Method:
	Category:

Remark: _____

1:425	position	observation	MPEG	photo	grade
	0.00	Manhole, within 8 inch: NO, Remarks: 0461-2261	00:00:56	3308	
	8.00	Water Level, 10 □, within 8 inch: NO	00:02:24	3309	M 2
	16.60	Deposits Attached Grease, from 5 to 7 o'clock, 5 □, within 8 inch: NO	00:02:50	3310	M 2
	37.10 S1	Water Level Sag, 30 □, within 8 inch: NO, Start	00:03:47	3311	M 2
	45.20	Fracture Multiple, from 9 to 3 o'clock, within 8 inch: YES	00:04:26	3312	S 4
	67.50	Deposits Attached Grease, from 4 to 8 o'clock, 5 □, within 8 inch: NO	00:05:18	3313	M 2
	72.70	Water Level, 10 □, within 8 inch: NO	00:06:14	3314	M 2
	72.70 F1	Water Level Sag, 30 □, within 8 inch: NO, End	00:05:57	3315	M 2
	118.70	General Observation, within 8 inch: NO, Remarks: joint length 5'	00:08:14	3316	
	167.50	Manhole, within 8 inch: NO, Remarks: 0462-2261	00:10:24	3317	

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
4100	2600	4	12	16	4	2	2.29