


October 8, 2009

TO: Nicholas Agbobu
Engineering, Budget, and Office Operations

FROM: Robert Swartz 
Field Operations

**CONSOLIDATED SEWER MAINTENANCE DISTRICT
CONDITION ASSESSMENT PROGRAM REPORT
PROJECT Y0TV0506E**

This memo 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 159,262 feet or approximately 4.4 percent of the sewer system within Unincorporated County maintained by the District's East Yard.

The attached 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)
- CCTV Sewer Inspection Project Schedule (Enclosure 5)

The Condition Assessment Report will provide details regarding the maintenance and structural condition of our sewer mainlines. This information can be included in our 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.

PK.

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Attach.

bc: RS, FV, File (Y0TV0506E)

**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, 2304
Report By:	Phyo Kyaw	Report Date:	10/08/09

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 159,262 feet or approximately 4.4 percent of the Unincorporated Los Angeles County sewer system maintained by the District's East Yard.

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 85.8 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 14.2 percent of the inspected pipe segments within the Unincorporated County of Los Angeles 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	28,209	17.7	120
2: Good	73,240	46.0	306
3: Fair	35,234	22.1	136
4: Poor	19,895	12.5	75
5: Immediate Attention	2,684	1.7	12
TOTAL	159,262	100.0	649

STRUCTURAL REPORT

Our inspection revealed that approximately 67.6 percent of the inspected pipe segments within the Unincorporated County of Los Angeles were free of severe structural defects. However, the remaining 32.4 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. These segments have been placed on a priority list based on the severity and the need for action. For Items 1 through 200 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 200 segments are included in Enclosure 4.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT TOTAL INSPECTED PIPE LENGTH	NO. SEGMENTS
1: Excellent	31,561	19.8	142
2: Good	7,409	4.7	32
3: Fair	68,620	43.1	275
4: Poor	46,737	29.3	180
5: Immediate Attention	4,935	3.1	20
TOTAL	159,262	100.0	649

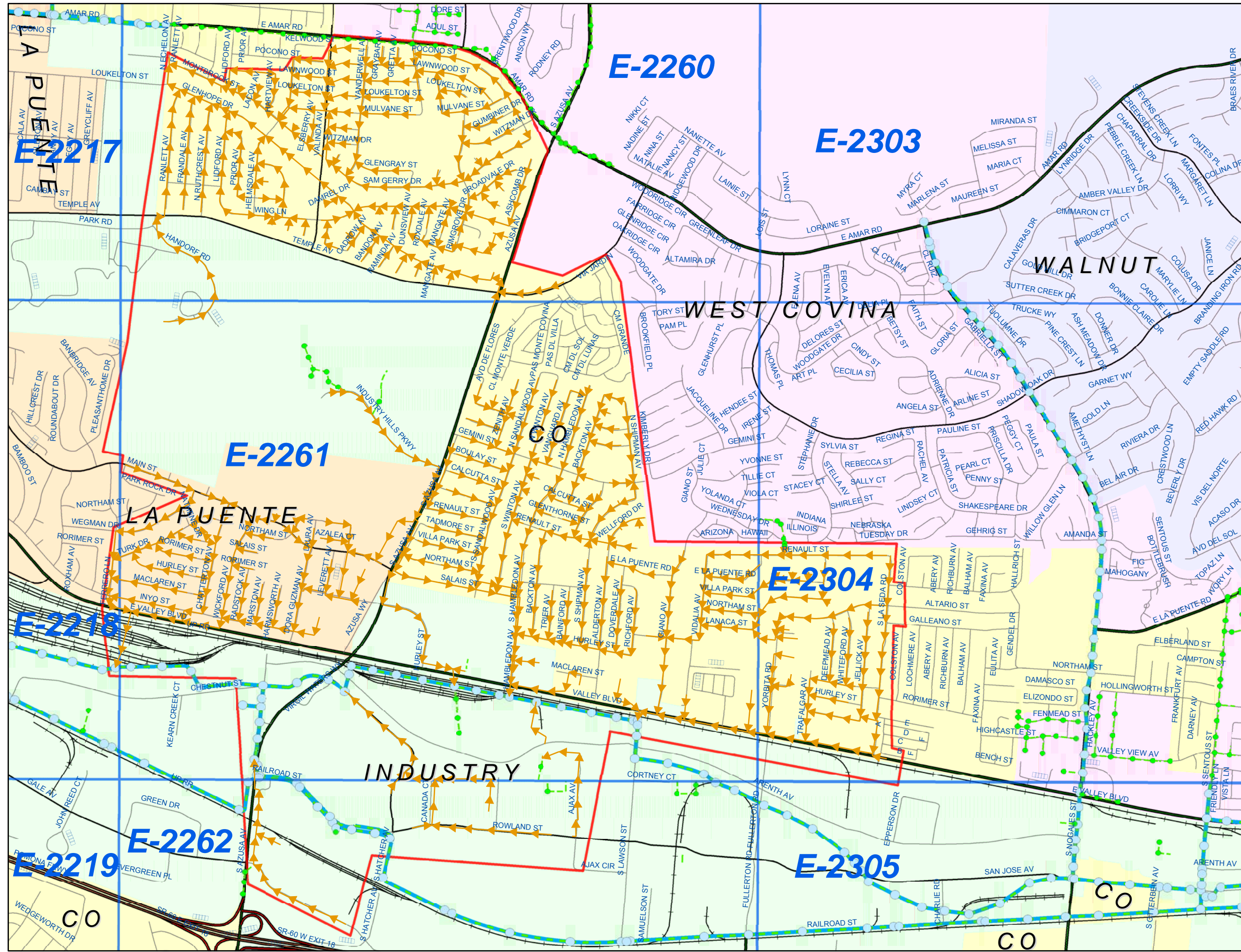
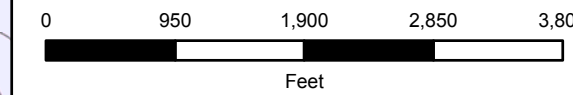
FUTURE PROJECTS

The Sewer Condition Assessment Program will be performing future closed-circuit television (CCTV) inspection of the remaining sewer lines within the Unincorporated County of Los Angeles maintained by the East Yard. For your reference, the CCTV Sewer Inspection project schedule is listed in Enclosure 5.

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
- P** SMD Pump Satations
- 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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AUGUST 2009

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ENCLOSURE 2:

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

ENCLOSURE 2
QUICK MAINTENANCE RATING REPORT PRIORITY LIST
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0506E)
as of 06/12/06

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN
1	5344	2304-0097	2304-0096	Valley Blvd	Grease	Hydrojet (completed: 02/08/08)
2	5241	2261-0098	2261-0097	Hambledon Av	Grease	Hydrojet (completed: 03/03/09)
3	5241	2304-0033	2304-0032	La Seda Rd	Grease	Rodder (completed: 05/21/09)
4	5216	2260-0286	2260-0287	Mulvane St	Grease	Hydrojet (completed: 06/03/08)
5	5142	2261-0145	2261-0146	Calcutta St	Grease	Rodder (completed: 06/25/08)
6	5141	2304-0031	2304-0030	Altario St	Roots	Hydrojet (completed: 03/13/08)
7	5131	2261-0222	2261-0221	Northam St	Rootball	Rodder (completed:03/07/08)
8	5126	2261-0173	2261-0172	Zenith Av	Grease	Hydrojet (completed: 10/23/07)
9	5121	2260-0468	2260-0203	Ashcomb Dr	Roots	Rodder (completed: 04/01/08)
10	5112	2260-0274	2260-0273	Kelwood St	Hard deposits	Hydrojet □ mill cutter (completed: 05/01/08)
11	5111	2260-0298	2260-0297	Samgarry R/W	Roots	Rodder (completed: 04/01/08)
12	5100	2261-0227	2261-0226	Azusa Av	Hard deposits	Hydrojet □ mill cutter (completed: 06/03/08)
13	492B	2260-0377	2260-0376	Glenhope Dr	Roots	Rodder: periodic (last cleaned: 03/09/08)
14	4439	2304-0066	2304-0095	Trafalgar Av	Grease	Hydrojet (completed: 02/08/08)
15	4422	2260-0252	2260-0238	Lawnwood St	Roots	Rodder (completed: 04/02/08)
16	4333	2261-0070	2261-0069	Shipman Av	Roots	Rodder (completed: 01/29/08)
17	4331	2260-0131	2260-0132	Temple Av	Infiltration runner	No action needed.
18	4239	2260-0381	2260-0361	Echelon Av	Camera under water	Hydrojet (completed: 05/26/09)
19	4236	2304-0060	2304-0059	Hurley St	Roots	Hydrojet □ rootsaw (completed: 06/03/08)
20	4235	2260-0433	2260-0432	Prior Av	Roots	Rodder (completed: 03/26/08)
21	4232	2261-0076	2261-0077	Renault St	Grease	Hydrojet (completed: 09/03/08)
22	4231	2260-0248	2260-0249	Mulvane St	Roots	Hydrojet □ rootsaw (completed: 03/14/08)
23	4231	2261-0090	2261-0089	Trier Av	Roots	Rodder (completed: 03/07/08)
24	4231	2261-0167	2261-0168	Sandalwood Av	Infiltration runner	No action needed.
25	4231	2261-0180	2261-0179	Hemphill St	Infiltration runner	No action needed.
26	4231	2304-0022	2304-0021	Lanaca St	Roots	Hydrojet □ rootsaw (completed: 03/26/08)
27	4231	2304-0032	2304-0031	Altario St	Roots	Hydrojet □ rootsaw (completed: 03/13/08)
28	4231	2304-0096	2304-0095	Valley Bl	Roots	Hydrojet □ rootsaw (completed: 02/08/08)
29	4221	2260-0200	2260-0199	Wing Ln	Roots	Rodder (completed: 03/26/08)
30	4221	2260-0399	2260-0398	Ruthcrest Av	Roots	Rodder (completed: 03/26/08)
31	4217	2260-0275	2260-0276	Valinda Av	Roots	Rodder (completed: 04/02/08)
32	4217	2261-0096	2261-0095	Hambledon Av	Periodic	Hydrojet (completed: 03/03/09)
33	4211	2260-0227	2260-0226	Rimgrove Dr	Roots	Rodder (completed: 06/30/08)
34	4211	2261-0235	2261-0097	Salais St	Roots	Hydrojet: periodic (last cleaned: 03/03/09)

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN
35	4200	2260-0251	2260-0252	Lawnwood St	Roots	Hydrojet (completed: 03/14/08)
36	4200	2260-0375	2260-0358	Montbrook St	Roots	Hydrojet (completed: 08/02/06)
37	4136	2261-0058	2261-0062	Alderton Av	Roots	Rodder (completed: 03/07/08)
38	4135	2260-0155	2260-0165	Glenhope Dr	Infiltration runner	No action needed.
39	4134	2260-0169	2260-0165	Wing Ln	Infiltration	No action needed.
40	4133	2260-0234	2260-0235	Galecrest Av	Roots	Hydrojet □ rootsaw (completed: 09/03/08)
41	4133	2261-0051	2261-0050	Richford Av	Roots	Rodder (completed: 01/29/08)
42	4133	2261-0085	2261-0086	Bainford Av	Debris	Hydrojet (completed: 02/06/08)
43	4133	2261-0139	2261-0138	Renault St	Roots	Rodder (completed: 03/07/08)
44	4132	2260-0232	2260-0247	Ashcomb Dr	Roots	Rodder (completed: 04/02/08)
45	4132	2260-0411	2260-0410	Valinda Av	High water level	Hydrojet (completed: 05/26/09)
46	4132	2261-0069	2261-0068	Shipman Av	Roots	Rodder (completed: 01/29/08)
47	4131	2260-0209	2260-0210	Roxley Dr	High water mark	No action needed.
48	4131	2260-0224	2260-0225	Rimgrove Dr	Deposits	Hydrojet (completed: 05/22/09)
49	4131	2260-0231	2260-0232	Ashcomb Dr	Roots	Rodder (completed: 04/02/08)
50	4131	2260-0233	2260-0234	Mulvane St	Roots	Rodder (completed: 05/21/09)
51	4131	2260-0420	2260-0421	Dixford Av	Roots	Rodder (completed: 05/21/09)
52	4131	2260-0432	2260-0431	Arvid St	Roots	Rodder (completed: 06/25/08)
53	4131	2261-0033	2261-0034	Giano Ave	Roots	Hydrojet □ rootsaw (completed: 03/03/08)
54	4131	2261-0126	2261-0127	Shipman Av	Roots	Rodder (completed: 06/26/08)
55	4131	2261-0151	2261-0150	Hambledon Av	Roots	Rodder (completed: 03/14/08)
56	4131	2261-0256	2261-0097	Hambledon Av	Grease	Hydrojet (completed: 02/06/08)
57	4131	2304-0070	2304-0069	Jellick Av	Roots	Rodder (completed: 01/29/08)
58	412F	2260-0343	2260-0342	Lawnwood St	Roots	Rodder (completed: 03/26/08)
59	4128	2261-0164	2261-0163	Winton Av	Deposits; grease	Hydrojet (completed: 05/22/09)
60	4126	2261-0087	2261-0088	Hurley St	Debris	Hydrojet (completed: 02/06/08)
61	4124	2261-0071	2261-0070	Shipman Av	Roots	Rodder (completed: 01/29/08)
62	4124	2261-0194	2261-0195	Calcutta St	Deposits; grease	Hydrojet (completed: 05/21/09)
63	4123	2261-0136	2261-0074	Renault St	Roots	Hydrojet □ mill cutter (completed: 09/03/08)
64	4123	2261-0196	2261-0197	Sandalwood Av	Infiltration	No action needed.
65	4123	2261-0205	2261-0206	Renault St	Infiltration	No action needed.
66	4121	2260-0164	2260-0165	Wing Ln	Infiltration	No action needed.
67	4121	2260-0290	2260-0289	Gumbiner Dr	Intruding tap break-in	Millsaw (completed: 06/03/09)
68	4121	2260-0320	2260-0321	Loukelton St	Roots	Rodder (completed: 04/01/08)
69	4121	2260-0407	2260-0406	Glenhope Dr	Camera under water	Hydrojet (completed: 05/26/09)
70	4121	2260-0421	2260-0418	Wing Ln	Roots	Hydrojet (completed: 03/26/08)
71	4111	2260-0224	2260-0226	Rimgrove Dr	Roots	Rodder (completed: 04/04/08)
72	4111	2260-0263	2260-0264	Lawnwood St	Roots	Rodder (completed: 04/02/08)
73	4100	2260-0135	2260-0134	Glenhope Dr	High water level	Hydrojet (completed: 05/21/09)

ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION	CORRECTIVE ACTION TAKEN
74	4100	2260-0258	2260-0292	Vanderwell Av	Roots	Hydrojet (completed: 11/26/08)
75	4100	2261-0060	2261-0061	Doverdale Av	Roots	Hydrojet (completed: 02/14/08)

The following line segments received a Quick Maintenance Rating of above 4000 due to the observation of Root Ball or Deposit inside the lateral connection. CSMD does not maintain lateral lines: it is the responsibility of the parcel owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. Therefore, these lines were not included on the Priority List above identified with maintenance deficiencies in need of immediate attention by CSMD.

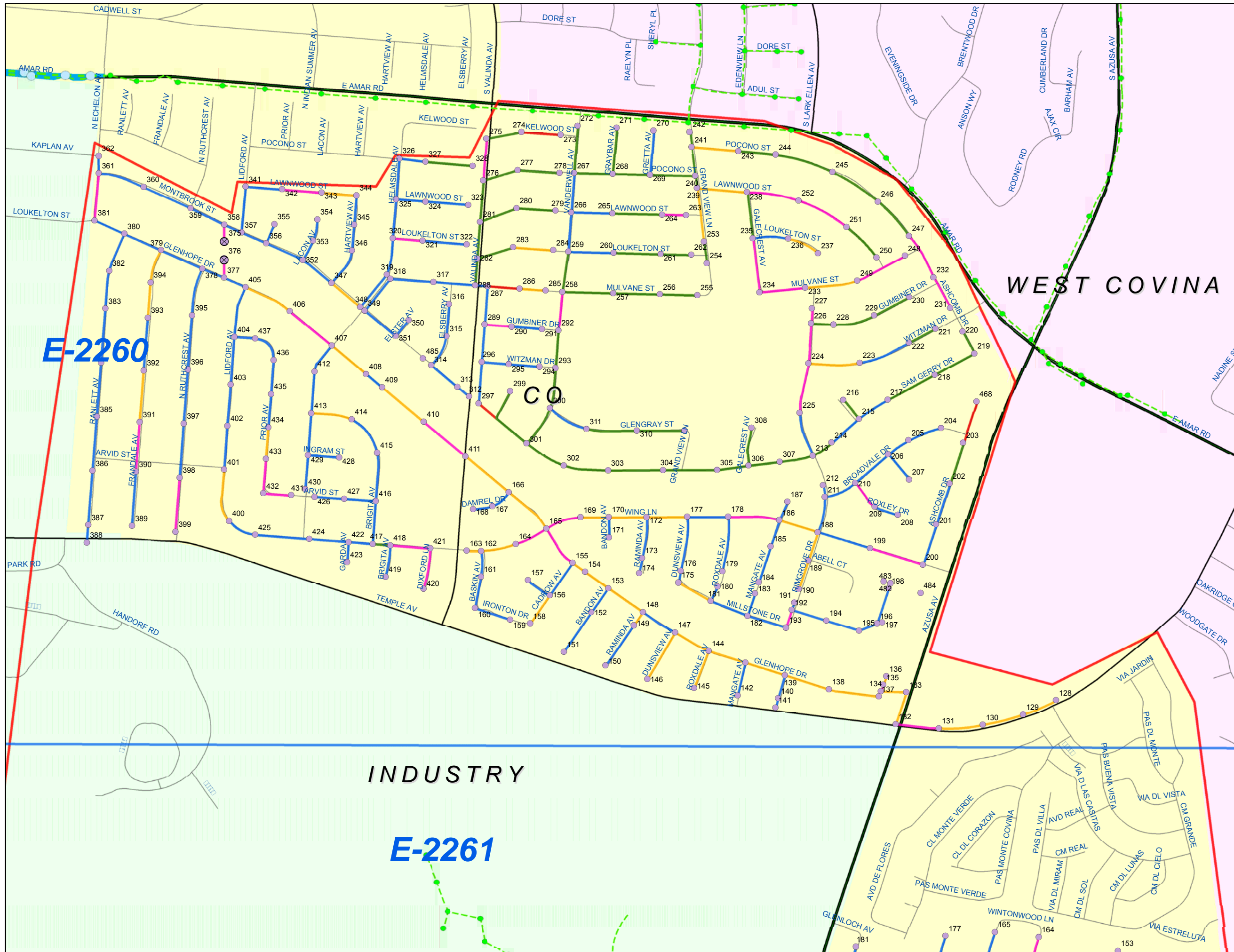
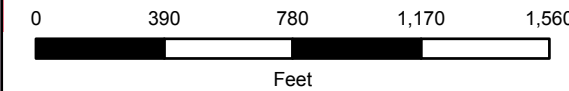
ITEM NO.	QMR	START MH	END MH	STREET	OBSERVATION
1	4134	2304-0028	2304-0027	Altario St	Root ball in lateral.
2	4133	2260-0186	2260-0178	Wing Ln	Root ball in lateral.
3	4131	2261-0179	2261-0174	Hemphill St	Root ball in lateral.
4	4131	2261-0230	2261-0231	Salais St	Root ball in lateral.
5	4131	2304-0026	2304-0042	Yorbita Rd	Root ball in lateral.
6	4127	2304-0042	2304-0529	Yorbita Rd	Root ball in lateral.
7	4122	2260-0192	2260-0193	Rimgrove Dr	Root ball in lateral.
8	4122	2261-0223	2261-0222	Northam St	Root ball in lateral.
9	4121	2260-0390	2260-0391	Frandale Av	Root ball in lateral.
10	4113	2304-0020	2304-0019	Lanaca St	Root ball in lateral.
11	4113	2304-0030	2304-0029	Altario St	Deposits in lateral.
12	4100	2261-0007	2261-0008	Vidalia Av	Root ball in lateral.

ENCLOSURE 2

CCTV PROJECT Y0TV0506E

Supervisorial District 1
County Unincorporated

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

Other

Manhole Type

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

Maintained by Others:

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

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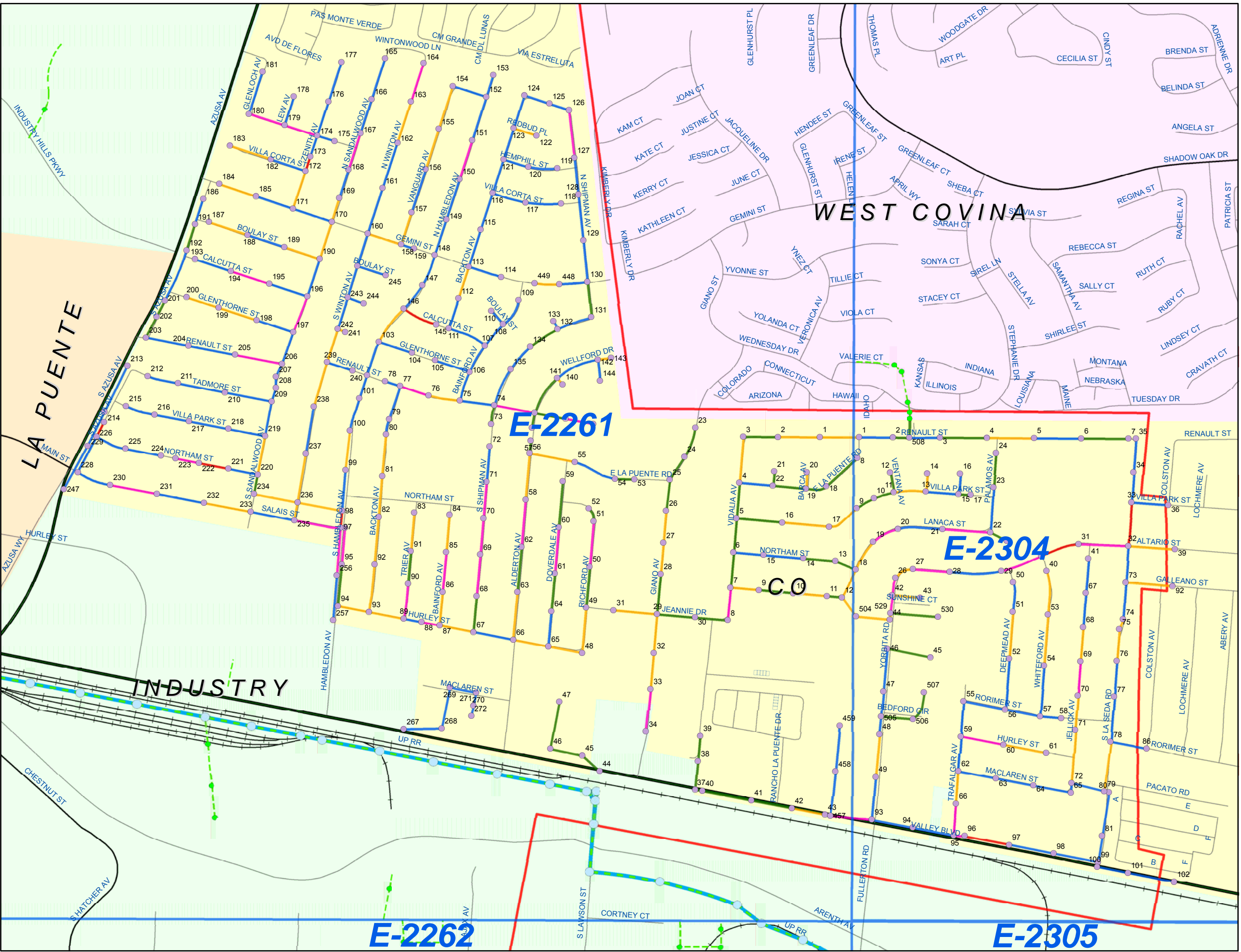
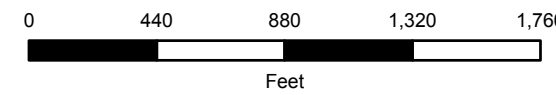
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ENCLOSURE 2

CCTV PROJECT Y0TV0506E

Supervisorial District 1
County Unincorporated

QUICK MAINTENANCE RATING (QMR)



Legend

SMD Sanitary Sewers

QMR

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

SMD Manholes

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

Maintained by Others:

- Trunk Sewerlines
- Non SMD Sanitary Sewers
- Trunk Mh
- Non SMD Maintained MH
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SEPTEMBER 2009

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ENCLOSURE 3:

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

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
UNINCORPORATED LOS ANGELES COUNTY (Y0TV0506E)
as of 06/12/06

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
1	5242	2304-0086	2304-0078	Rorimer St	Broken with soil visible: 56'	Lining: MH to MH	275
2	5234	2260-0220	2260-0219	Ashcomb Dr	Broken: 12'	Point Repair (East Yard)	
3	5221	2261-0209	2261-0219	Sandalwood Ave	Broken with concrete visible (patched from exterior): 225'	Structural integrity intact. No action needed.	
4	5200	2261-0208	2261-0209	Sandalwood Ave	Hole with void visible: 113'	Point Repair (East Yard)	
5	514A	2261-0127	2261-0128	Shipman Ave	Hole with void visible: base of MH 128	CSMD will repair base of MH 128.	
6	5148	2304-0053	2304-0054	Whiteford Ave	Hole with soil visible: 5'; fractures (multiple locations)	Lining: MH to MH	342
7	5146	2261-0196	2261-0197	Sandalwood Ave	Hole with void visible: 55'; fractures (multiple locations)	Lining: MH to MH	286
8	5145	2304-0076	2304-0077	La Seda Rd	Hole with void visible: base of MH 77	CSMD will repair base of MH 77.	
9	5145	2261-0081	2261-0082	Backton Ave	Broken with soil visible: 244'	Lining: MH to MH	300
10	5143	2261-0215	2261-0216	Villa Park St	Broken with soil visible: 105'; fractures and cracks	Lining: MH to MH	220
11	5142	2304-0095	2304-0094	Valley Blvd	Hole with void visible: base of MH 94	CSMD will repair base of MH 94.	
12	5142	2261-0169	2261-0170	Sandalwood Ave	Broken with soil visible: 130'; fractures	Lining: MH to MH; Point Repair (East Yard) at 130'	190
13	5142	2261-0223	2261-0222	Northam St	Broken and fractures: 179'	Structural integrity intact. No action needed.	
14	5141	2261-0015	2261-0006	Northam St	Broken: 236', 243'	Lining: MH to MH	257
15	5141	2261-0186	2261-0191	Azusa Ave	Broken with soil visible: 124'	Lining: MH to MH	205
16	5138	2304-0009	2261-0017	Villa Park St	Hole: 72'	Structural integrity intact. No action needed.	
17	5135	2304-0008	2261-0018	La Puente Rd	Hole and fractures: 103'	Lining: MH to MH	321
18	5135	2260-0298	2260-0297	Samgarry R/W	Broken: 44'	Point Repair (East Yard)	
19	5134	2260-0381	2260-0361	Echelon Ave	Broken (inside lateral): 82'	Structural integrity intact. No action needed.	
20	5132	2261-0062	2261-0063	Alderton Ave	Hole with void visible: base of MH 63	CSMD will repair base of MH 63.	
21	4B31	2304-0070	2304-0071	Jellick Ave	Fractures and cracks (multiple locations)	Lining: MH to MH	300
22	4A31	2304-0052	2304-0056	Deepmead Ave	Fractures and cracks (multiple locations)	Lining: MH to MH	342
23	4A31	2261-0151	2261-0150	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
24	4A21	2261-0147	2261-0146	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
25	4932	2261-0160	2261-0246	Winton Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
26	4931	2304-0054	2304-0057	Whiteford Ave	Fractures: 118'; cracks (multiple locations)	Structural integrity intact. No action needed.	
27	4931	2261-0129	2261-0130	Shipman Ave	Fracture and cracks (multiple locations)	Structural integrity intact. No action needed.	
28	4926	2261-0256	2261-0257	Hambledon Ave	Fractures: 9', 77', 346'; cracks (multiple locations)	Lining: MH to MH	350
29	4838	2304-0033	2304-0032	La Seda Rd	Fractures: 8', 32'; cracks (multiple locations)	Lining: MH to MH	313
30	4833	2304-0068	2304-0069	Jellick Ave	Fractures: 304'	Structural integrity intact. No action needed.	
31	4831	2261-0126	2261-0127	Shipman Ave	Fracture: 261'; cracks (multiple locations)	Structural integrity intact. No action needed.	
32	4822	2261-0116	2261-0115	Backton Ave	Fracture: 69'; cracks	Lining: MH to MH	252
33	4822	2261-0243	2261-0242	Winton Ave	Fractures: 226', 249'; cracks (multiple locations)	Lining: MH to MH	256
34	4821	2304-0065	2304-0064	Maclaren St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
35	4735	2304-0039	2304-0032	Altario St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
36	4733	2261-0149	2261-0148	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
37	4732	2304-0063	2304-0062	Maclaren St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
38	4732	2304-0075	2304-0076	La Seda Rd	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
39	4731	2304-0061	2304-0060	Hurley St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
40	4725	2304-0064	2304-0063	Maclaren St	Cracks (multiple locations)	Structural integrity intact. No action needed.	

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
41	4725	2261-0161	2261-0160	Winton Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
42	4722	2304-0060	2304-0059	Hurley St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
43	4721	2304-0056	2304-0055	Rorimer St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
44	4721	2304-0071	2304-0072	Jellick Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
45	4721	2261-0100	2261-0099	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
46	463A	2261-0190	2261-0196	Sandalwood Ave	Broken: 145'; fractures and cracks (multiple locations)	Lining: MH to MH	287
47	4634	2261-0216	2261-0217	Villa Park St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
48	4633	2261-0101	2261-0100	Hambledon Ave	Fractures: 16'; fractures and cracks (multiple locations)	Lining: MH to MH	191
49	4632	2304-0055	2304-0059	Trafalgar Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
50	4632	2261-0150	2261-0149	Hambledon Ave	Fractures: 218'; cracks (multiple locations)	Structural integrity intact. No action needed.	
51	4631	2304-0057	2304-0056	Rorimer St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
52	4631	2261-0111	2261-0107	Calcutta St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
53	4631	2261-0112	2261-0111	Backton Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
54	4621	2261-0148	2261-0147	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
55	4600	2261-0089	2261-0093	Hurley St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
56	453A	2261-0170	2261-0190	Sandalwood Ave	Broken with soil visible: 266'; fractures and cracks (multiple locations)	Lining: MH to MH	298
57	4536	2261-0184	2261-0185	Gemini St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
58	4532	2261-0099	2261-0098	Hambledon Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
59	4531	2304-0051	2304-0052	Deepmead Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
60	4531	2304-0079	2304-0072	La Seda Rd	Cracks (multiple locations)	Structural integrity intact. No action needed.	
61	4531	2261-0128	2261-0129	Shipman Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
62	4531	2261-0246	2261-0243	Winton Ave	Fractures (multiple locations)	Lining: MH to MH	236
63	4524	2261-0146	2261-0103	Hambledon Ave	Fractures (multiple locations)	Structural integrity intact. No action needed.	
64	443A	2261-0079	2261-0080	Backton Ave	Fractures: 41'; cracks (multiple locations)	Lining: MH to MH	170
65	4439	2261-0083	2261-0091	Trier Ave	Fractures: 220'; cracks (multiple locations)	Lining: MH to MH	290
66	4437	2304-0073	2304-0092	Galleano St	Fractures: 93', 302'; cracks (multiple locations)	Lining: MH to MH	355
67	4435	2261-0124	2261-0123	Backton Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
68	4432	2304-0044	2304-0504	Yorbita Rd	Cracks (multiple locations)	Structural integrity intact. No action needed.	
69	4432	2261-0158	2261-0160	Gemini St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
70	4431	2261-0115	2261-0113	Backton Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
71	4424	2261-0245	2261-0246	Boulay St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
72	4422	2304-0072	2304-0065	Jellick Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
73	4422	2261-0117	2261-0116	Villa Corta St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
74	4422	2261-0121	2261-0116	Backton Ave	Fracture: 142'; cracks (multiple locations)	Structural integrity intact. No action needed.	
75	433B	2261-0238	2261-0237	Winton Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
76	433A	2261-0185	2261-0171	Gemini St	Fractures: 111'; cracks (multiple locations)	Lining: MH to MH	303
77	4337	2261-0156	2261-0157	Vanguard Ave	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
78	4336	2304-0070	2304-0069	Jellick Ave	Fractures: 11', 29', 100'; cracks	Structural integrity intact. No action needed.	
79	4335	2261-0091	2261-0090	Trier Ave	Fractures: 73', 149', 155'; cracks (multiple locations)	Lining: MH to MH	251
80	4334	2261-0236	2261-0098	Winton Ave	Fractures: 204', 225'; cracks	Structural integrity intact. No action needed.	
81	4333	2261-0009	2261-0007	Lanaca St	Fractures: 66', 129', 234', 243'; cracks	Lining: MH to MH	258
82	4332	2261-0107	2261-0106	Bainford Av	Fractures and cracks	Structural integrity intact. No action needed.	
83	4332	2261-0120	2261-0121	Hemphill St	Fractures: 7', 39', 121'	Structural integrity intact. No action needed.	
84	4332	2261-0172	2261-0171	Zenith Ave	Fractures: 52', 116', 223'	Structural integrity intact. No action needed.	
85	4331	2304-0067	2304-0068	Jellick Av	Fractures: 51', 174'	Structural integrity intact. No action needed.	

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
86	4331	2261-0106	2261-0075	Bainford Av	Fractures and cracks	Structural integrity intact. No action needed.	
87	4331	2261-0109	2261-0108	Bainford Av	Fractures and cracks	Structural integrity intact. No action needed.	
88	4331	2261-0113	2261-0112	Backton Av	Fractures and cracks	Structural integrity intact. No action needed.	
89	4331	2261-0114	2261-0113	Gemini St	Fractures: 106', 198', 260'	Structural integrity intact. No action needed.	
90	4324	2261-0162	2261-0161	Winton Av	Fractures and cracks	Structural integrity intact. No action needed.	
91	4323	2304-0040	2304-0053	Whiteford Av	Fractures and cracks	Structural integrity intact. No action needed.	
92	4321	2261-0103	2261-0102	Hambledon Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
93	4321	2261-0108	2261-0107	Bainford Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
94	4321	2261-0241	2261-0242	Glenthorne St	Fractures: 68'	Structural integrity intact. No action needed.	
95	4300	2261-0240	2261-0239	Renault St	Fracture: 8', 19'	Structural integrity intact. No action needed.	
96	423C	2261-0082	2261-0092	Backton Av	Fractures: 6', 114'; cracks (multiple locations)	Lining: MH to MH	351
97	423C	2260-0302	2261-0301	Samgerry Dr	Fracture: 292'; cracks (multiple locations)	Structural integrity intact. No action needed.	
98	423B	2260-0204	2260-0205	Broadvale Dr	Fracture: 85'; cracks	Structural integrity intact. No action needed.	
99	423A	2260-0249	2260-0233	Mulvane St	Fractures: 6', 46', 179'; cracks (multiple locations)	Lining: MH to MH	300
100	423A	2260-0261	2260-0260	Loukelton St	Fractures: 31', 33'; cracks (multiple locations)	Lining: MH to MH	300
101	4236	2260-0283	2260-0282	Loukelton St	Fractures: 97', 108'; cracks (multiple locations)	Structural integrity intact. No action needed.	
102	4236	2260-0309	2260-0310	Glengray St	Fractures: 95', 170'; cracks (multiple locations)	Lining: MH to MH	340
103	4235	2261-0018	2261-0019	La Puente Rd	Fractures: 100', 163'; cracks (multiple locations)	Structural integrity intact. No action needed.	
104	4235	2261-0168	2261-0169	Sandalwood Av	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
105	4235	2261-0176	2261-0174	Zenith Ave	Fractures: 160'; cracks (multiple locations)	Lining: MH to MH	315
106	4325	2261-0212	2261-0211	Tadmire St	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
107	4233	2304-0073	2304-0074	La Seda Rd	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
108	4232	2304-0059	2304-0062	Trafalgar Av	Fractures and cracks (multiple locations)	Structural integrity intact. No action needed.	
109	4232	2261-0167	2261-0168	Sandalwood Av	Hole / infiltration runner: 187'	Structural integrity intact. No action needed.	
110	5232	2261-0242	2261-0239	Winton Av	Fractures and cracks	Structural integrity intact. No action needed.	
111	4232	2260-0277	2260-0276	Pocono St	Fractures: 112', 191'; cracks	Structural integrity intact. No action needed.	
112	4232	2260-0284	2260-0283	Loukelton St	Fractures: 103', 216'; cracks	Structural integrity intact. No action needed.	
113	4231	2304-0041	2304-0067	Jellick Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
114	4231	2261-0070	2261-0069	Shipman Av	Fractures: 71'	Structural integrity intact. No action needed.	
115	4231	2304-0077	2304-0078	La Seda Rd	Cracks (multiple locations)	Structural integrity intact. No action needed.	
116	4231	2261-0104	2261-0103	Glenthorne St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
117	4231	2261-0105	2261-0106	Glenthorne St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
118	4231	2260-0289	2260-0290	Gumbiner Dr	Intruding tap break-in / fractures: 73'	Point Repair (East Yard)	
119	4231	2260-0405	2260-0377	Glenhope Dr	Hole with concrete visible (patched from exterior?): 45'	Structural integrity intact. No action needed.	
120	4223	2261-0123	2261-0121	Backton Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
121	4222	2261-0102	2261-0101	Hambledon Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
122	4222	2261-0152	2261-0151	Hambledon Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
123	4221	2261-0122	2261-0123	Redbud Pl	Cracks	Structural integrity intact. No action needed.	
124	4221	2261-0153	2261-0152	Hambledon Av	Cracks	Structural integrity intact. No action needed.	
125	4212	2261-0088	2261-0089	Hurley St	Fractures: 8'; cracks	Lining: MH to MH	90
126	4211	2304-0057	2304-0058	Rorimer St	Cracks	Structural integrity intact. No action needed.	
127	4200	2261-0232	2261-0233	Salais St	Fractures: 220'	Structural integrity intact. No action needed.	
128	413L	2260-0199	2260-0188	Wing Ln	Fractures: 168'; cracks (multiple locations)	Lining: MH to MH	351
129	413I	2260-0178	2260-0177	Wing Ln	Fracture: 54'; cracks (multiple locations)	Structural integrity intact. No action needed.	
130	413C	2260-0176	2260-0177	Dunsview Av	Fracture: 77'; cracks (multiple locations)	Structural integrity intact. No action needed.	
131	413C	2260-0233	2260-0234	Mulvane St	Fractures: 239'; cracks (multiple locations)	Structural integrity intact. No action needed.	
132	413B	2260-0246	2260-0245	Pocono St	Fractures: 147'; cracks (multiple locations)	Structural integrity intact. No action needed.	
133	413A	2260-0248	2260-0249	Mulvane St	Fractures: 199'; cracks (multiple locations)	Structural integrity intact. No action needed.	
134	413A	2260-0253	2260-0239	Grand View Ln	Fractures: 53'; cracks (multiple locations)	Structural integrity intact. No action needed.	

ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
135	413A	2260-0468	2260-0203	Ashcomb Dr	Fracture: 96'	Lining: MH to MH	285
136	4139	2260-0231	2260-0232	Ashcomb Dr	Fracture: 136'; cracks (multiple locations)	Structural integrity intact. No action needed.	
137	4138	2260-0190	2260-0189	Rimgrove Dr	Fracture: 66'; cracks (multiple locations)	Structural integrity intact. No action needed.	
138	4137	2261-0020	2261-0019	Barca Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
139	4137	2260-0346	2260-0347	Hartview Av	Fracture: 66'; cracks (multiple locations)	Structural integrity intact. No action needed.	
140	4136	2261-0155	2261-0156	Vanguard Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
141	4135	2304-0019	2304-0018	Lanaca St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
142	4135	2261-0076	2261-0077	Renault St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
143	4135	2261-0225	2261-0226	Northam St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
144	4134	2261-0154	2261-0155	Vanguard Ave	Fracture: 25'; cracks (multiple locations)	Structural integrity intact. No action needed.	
145	4134	2261-0157	2261-0158	Vanguard Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
146	4134	2261-0171	2261-0170	Gemini St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
147	4134	2261-0179	2261-0174	Hemphill St	Fracture: 250'; cracks (multiple locations)	Structural integrity intact. No action needed.	
148	4134	2260-0235	2260-0238	Galecrest Av	Fracture: 236'; cracks	Structural integrity intact. No action needed.	
149	4134	2260-0236	2260-0235	Loukelton St	Fractures: 5'; cracks	Structural integrity intact. No action needed.	
150	4134	2261-0239	2261-0238	Winton Ave	Cracks (multiple locations)	Structural integrity intact. No action needed.	
151	4134	2260-0263	2260-0264	Lawnwood St	Fracture: 11'; cracks	Structural integrity intact. No action needed.	
152	4134	2260-0276	2260-0281	Valinda Av	Fracture: 23'; cracks	Structural integrity intact. No action needed.	
153	4133	2261-0090	2261-0089	Trier Ave	Fractures: 54', 100'; cracks	Structural integrity intact. No action needed.	
154	4133	2261-0141	2261-0136	Wellford Dr	Cracks (multiple locations)	Structural integrity intact. No action needed.	
155	4133	2260-0163	2260-0162	Wing Ln	Fracture: 7'	Structural integrity intact. No action needed.	
156	4133	2261-0203	2261-0204	Renault St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
157	4132	2261-0014	2261-0015	Northam St	Fracture: 59' (below flowline); cracks	Structural integrity intact. No action needed.	
158	4132	2304-0020	2304-0019	Lanaca St	Fracture and cracks (multiple locations)	Structural integrity intact. No action needed.	
159	4132	2304-0032	2304-0073	La Seda Rd	Fracture: 131'; cracks	Structural integrity intact. No action needed.	
160	4132	2261-0049	2261-0048	Richford Av	Fracture: 161'; cracks	Structural integrity intact. No action needed.	
161	4132	2261-0063	2261-0066	Alderton Av	Fracture: 8'	Structural integrity intact. No action needed.	
162	4132	2261-0071	2261-0070	Shipman Av	Hole at base of MH 2261-0070	CSMD will repair base of MH 70.	
163	4132	2261-0180	2261-0179	Hemphill St	Fracture: 243'; cracks	Structural integrity intact. No action needed.	
164	4132	2261-0188	2261-0189	Boulay St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
165	4131	2261-0004	2261-0005	Vidalia Av	Fracture: 230'	Structural integrity intact. No action needed.	
166	4131	2261-0017	2261-0016	Villa Park St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
167	4131	2304-0034	2304-0033	La Seda Rd	Cracks (multiple locations)	Structural integrity intact. No action needed.	
168	4131	2304-0036	2304-0033	Villa Park St	Fracture: 164'	Structural integrity intact. No action needed.	
169	4131	2261-0069	2261-0068	Shipman Av	Hole at base of MH 2261-0068	CSMD will repair base of MH 68.	
170	4131	2304-0078	2304-0079	La Seda Rd	Fracture: 271'; cracks	Structural integrity intact. No action needed.	
171	4131	2261-0125	2261-0124	Shipman Av	Fracture: 242'	Structural integrity intact. No action needed.	
172	4131	2261-0126	2261-0125	Shipman Av	Cracks	Structural integrity intact. No action needed.	
173	4131	2260-0131	2260-0132	Temple Av	Fractures: 104', 148'	Structural integrity intact. No action needed.	
174	4131	2261-0136	2261-0074	Renault St	Cracks: 6', 111'	Structural integrity intact. No action needed.	
175	4131	2261-0194	2261-0195	Calcutta St	Cracks	Structural integrity intact. No action needed.	
176	4131	2261-0222	2261-0221	Northam St	Fracture: 74'; cracks	Structural integrity intact. No action needed.	
177	4131	2261-0243	2261-0244	Calcutta St	Fractures: 9', 66'	Structural integrity intact. No action needed.	
178	4131	2260-0278	2260-0277	Pocono St	Fracture: 66'	Structural integrity intact. No action needed.	
179	4125	2261-0164	2261-0163	Winton Av	Cracks (multiple locations)	Structural integrity intact. No action needed.	
180	4123	2261-0110	2261-0108	Boulay St	Fracture: 12'; cracks	Structural integrity intact. No action needed.	
181	4123	2261-0182	2261-0172	Villa Corta St	Cracks (multiple locations)	Structural integrity intact. No action needed.	
182	4123	2261-0448	2261-0130	Gemini St	Cracks	Structural integrity intact. No action needed.	
183	4122	2261-0159	2261-0158	Gemini St	Fracture: 81'; cracks	Structural integrity intact. No action needed.	
184	4122	2304-0504	2261-0012	Easement by Lanaca St	Cracks	Structural integrity intact. No action needed.	

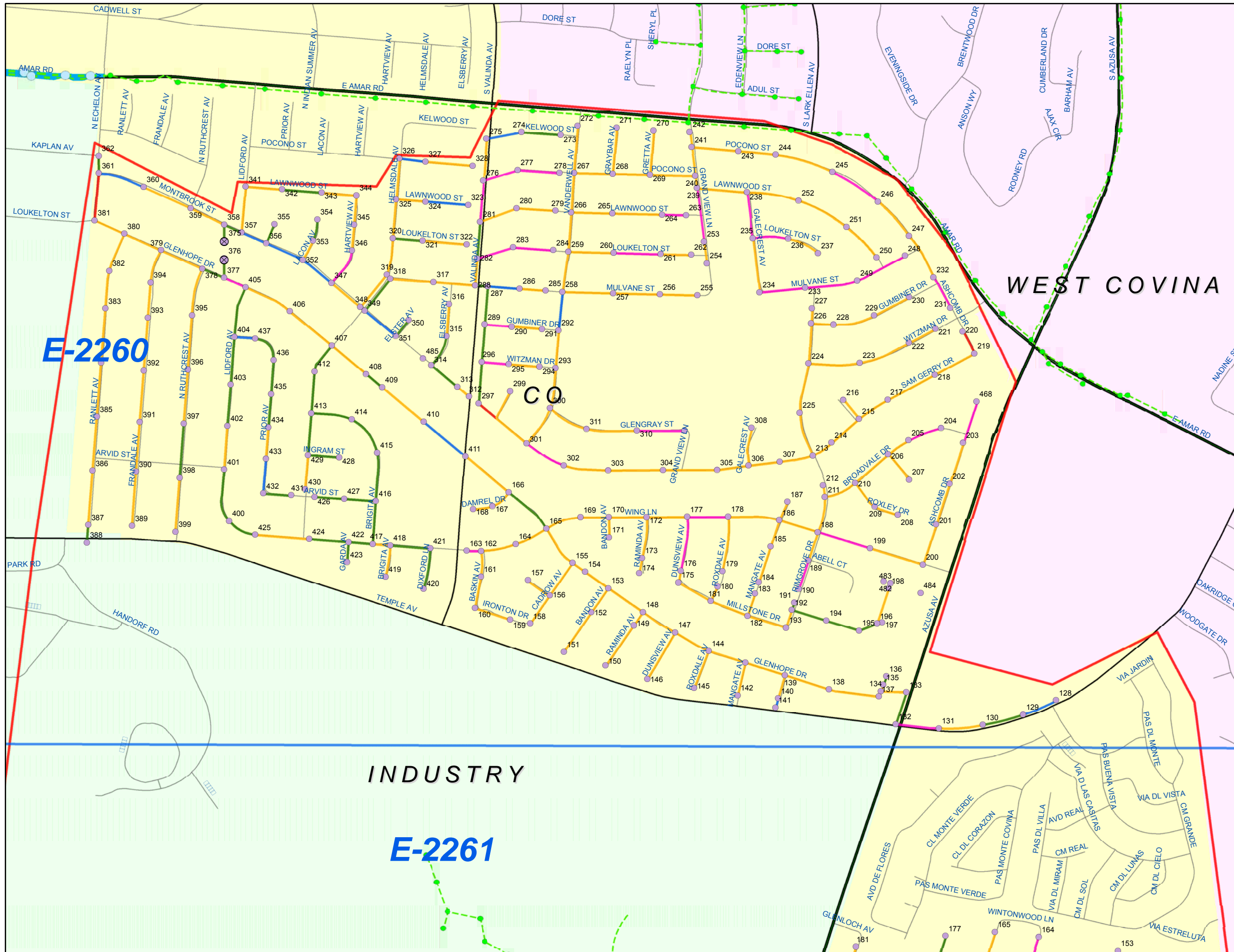
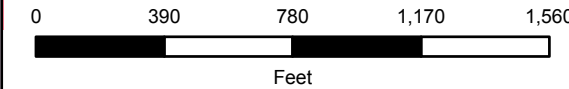
ITEM NO.	QSR	START MH	END MH	STREET	OBSERVATION: LOCATION	PROPOSED CORRECTIVE ACTION	LENGTH OF REPAIR (FT)
185	4121	2261-0133	2261-0132	Shipman Av	Fractures: 7', 42'	Structural integrity intact. No action needed.	
186	4121	2261-0163	2261-0162	Winton Av	Fractures and cracks	Structural integrity intact. No action needed.	
187	4112	2304-0051	2304-0050	Deepmead Av	Cracks	Structural integrity intact. No action needed.	
188	4111	2304-0094	2304-0093	Valley Blvd	Fracture: 275'	Structural integrity intact. No action needed.	
189	4111	2261-0138	2261-0136	Renault St	Fracture: 129' (below flowline)	Structural integrity intact. No action needed.	
190	4111	2260-0295	2260-0296	Witzman Dr	Fracture: 54'	Structural integrity intact. No action needed.	
191	4100	2261-0012	2304-0018	Lanaca St	Fracture: 227'	Structural integrity intact. No action needed.	
192	4100	2304-0022	2304-0025	Easement by Palamos Av	Fracture: 87'	Structural integrity intact. No action needed.	
193	4100	2261-0051	2261-0050	Richford Av	Hole at base of MH 2261-0050	CSMD will repair base of MH 50.	
194	4100	2261-0054	2261-0055	La Puente Rd	Fracture: 127'	Structural integrity intact. No action needed.	
195	4100	2261-0074	2261-0075	Renault St	Fracture: 89'	Structural integrity intact. No action needed.	
196	4100	2261-0075	2261-0076	Renault St	Fracture: 175'	Structural integrity intact. No action needed.	
197	4100	2261-0097	2261-0096	Hambledon Av	Fracture: 21'	Structural integrity intact. No action needed.	
198	4100	2261-0176	2261-0177	Zenith Av	Fracture: 19'	Structural integrity intact. No action needed.	
199	4100	2261-0269	2261-0268	Maclaren St	Fracture: 290'	Structural integrity intact. No action needed.	
200	4100	2304-0508	2304-0002	Renault St	Fracture: 83'	Structural integrity intact. No action needed.	

ENCLOSURE 3

CCTV PROJECT Y0TV0506E

Supervisorial District 1
County Unincorporated

QUICK STRUCTURAL RATING (QSR)



Legend

SMD Sanitary Sewers

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

SMD Manholes

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

Maintained by Others:

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

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SEPTEMBER 2009

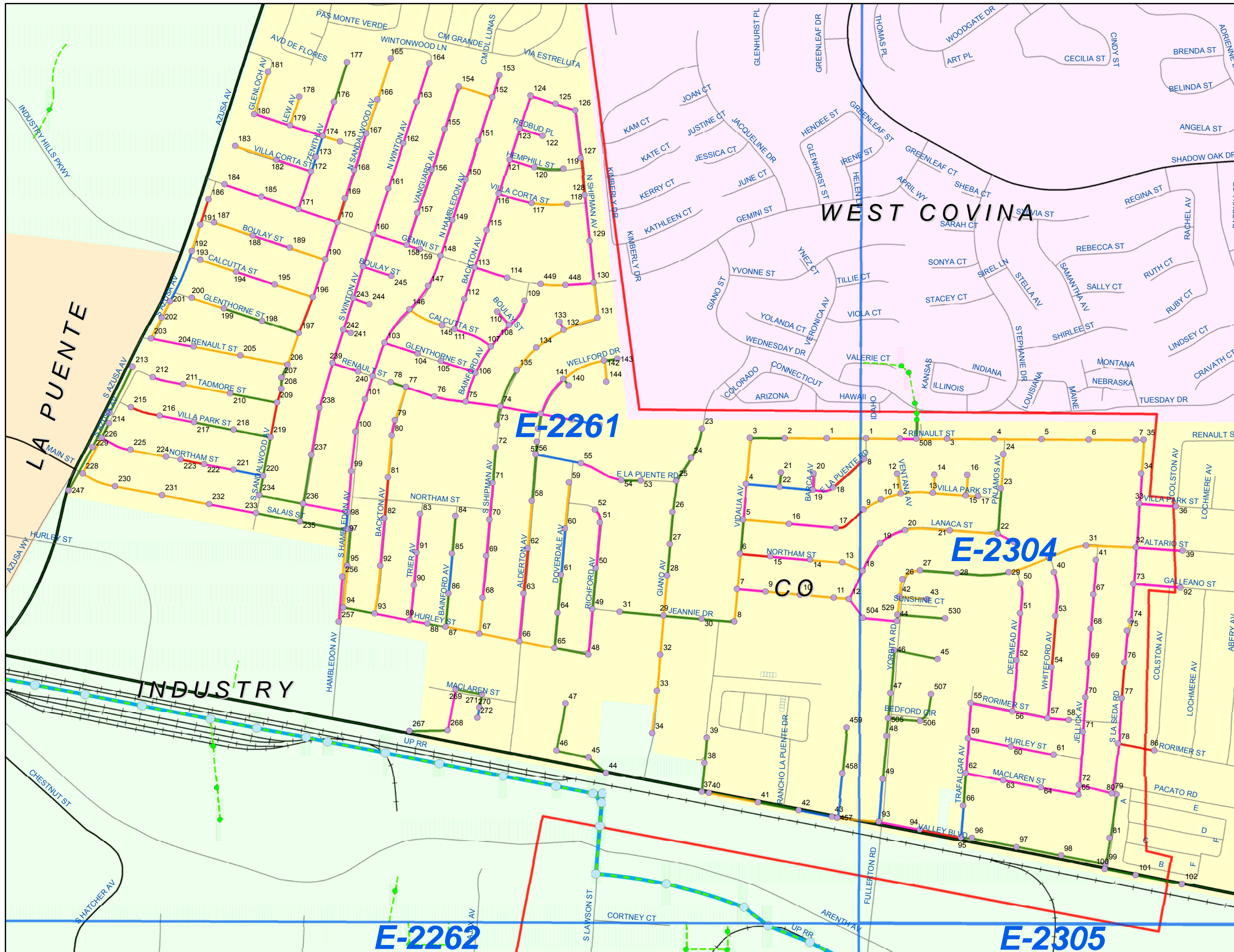
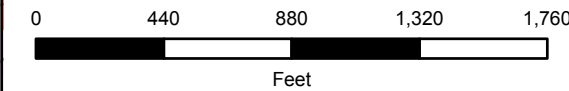
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ENCLOSURE 3

CCTV PROJECT Y0TV0506E

Supervisorial District 1
County Unincorporated

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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SEPTEMBER 2009

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ENCLOSURE 4:

Infrastructure Inspection Reports
for Grades 4 and 5

ENCLOSURE 5:

CCTV Sewer Inspection Project Schedule

Unincorporated East Yard

CCTV PROJECT SCHEDULE

FISCAL YEAR	YARD	SUP DIST	PROJECT NAME	LENGTH (FT)*
2005-2006	E		Y0TV0506D	49,010
2005-2006	E		Y0TV0506E	159,262
2007-2008	E		Y0TV0708E	2,354
2007-2008	E		Y0TV0708F	195,437
2008-2009	E		Y0TV0809A	213,947
2008-2009	E		Y0TV0809C	301,513
2009-2010	E		Y0TV0910B	1,675
2009-2010	E		Y0TV0910C	224,563
2010-2011	E		Y0TV1011A	514,868
2011-2012	E		1_9	108,759
2011-2012	E		5_24	280,068
2011-2012	E		5_25	93,928
2011-2012	E		5_27	38,235
2011-2012	E		5_30	33,816
2012-2013	E		1_2	212,358
2013-2014	E		1_3	303,036
2013-2014	E		1_4	109,207

□ Approximate length as of July 2005, actual project length may vary.

Unincorporated East Yard

CCTV PROJECT SCHEDULE

FISCAL YEAR	YARD	SUP DIST	PROJECT NAME	LENGTH (FT)*
2013-2014	E		4_6	304,300
2014-2015	E		1_13	295,213
2014-2015	E		1_6	141,202
2015-2016	E		5_29	42,526

TOTAL (FT)	3,625,277
TOTAL (MILES)	687

□Approximate length as of July 2005, actual project length may vary.