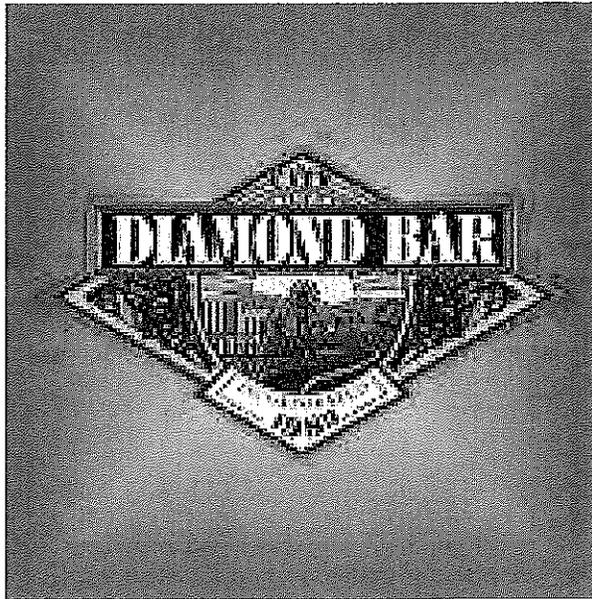


**SEWER SYSTEM MANAGEMENT PLAN AUDIT
FOR
THE CITY OF DIAMOND BAR**



2015

SEWER SYSTEM MANAGEMENT PLAN AUDIT 2013 AND 2014

- May 2, 2006 – State Water Resources Control Board adopted Statewide General Waste Discharge Requirements (WDRs).
- January 1, 2007 – Electronic reporting of Sanitary Sewer Overflows (SSOs).
- ~~2015~~ – Sewer System Management Plan (SSMP) adopted by the City Council.
- ~~2011~~ August 2, 2011 – First SSMP audit due (to coincide with the County of Los Angeles) and every two years thereafter per subsection D.13.x of the WDRs, and Section 10.1 of the City's SSMP.
- 2013 – SSMP Audit Dates

Elements of the SSMP

1. **Goals** – description of the City's SSMP goals.
2. **Organization** – description of the City's organizational structure.
3. **Legal Authority** – description of the City's legal rights, including codes and ordinances, to enforce the requirements of the WDRs.
4. **Operation and Maintenance Program** – outlines the City's maintenance schedule and methodology to ensure proper management and maintenance of sewer facilities.
5. **Design and Performance Provisions** – description of methods by which the City ensures that new and rehabilitated sewer facilities are properly designed and installed.
6. **Overflow Emergency Response Plan** – describes how the City responds to, reports, and documents SSO events within the City.
7. **Fats, Oils, and Grease (FOG) Control Program** – describes how the City prevents or minimizes the discharge of fats, oils, and grease into the sewer lines in an effort to minimize SSOs.
8. **System Evaluation and Capacity Assurance** – how the City ensures that adequate capacity is available for new and existing developments.
9. **Monitoring, Measurement, and Program Modifications** – details the City's program to continually monitor and assess the performance of each SSMP element in achieving the goals and objectives of the SSMP and updating them as necessary.
10. **SSMP Program Audit and Certification** – describes the City's plan to periodically assess the effectiveness of the SSMP in reducing SSOs.
11. **Communication Program** – summarizes the City's plan to ensure that stakeholders are aware of the City's SSMP.

PERFORMANCE MEASURES
Overflow Prevention/Collection System Maintenance

Performance Indicator		2013	2014
Input			
1	Total number of pump station condition assessments scheduled	N/A	N/A
2	Total miles of scheduled Closed-Circuit Television (CCTV)	0	0
3	Total miles of scheduled periodic cleaning	11.96	12.16
4	Total miles of scheduled cleaning (periodic and contract CCTV)	11.96	12.16
5	Total number of pump station inspections scheduled	1,040	1,040
6	Total number of manhole inspections scheduled	7,064	7,064
Workload/Output			
7	Total number of SSOs responded to in a 12-month period *	3	3
8	Total volume of SSOs	4,730	2,100
9	Total SSO response time	2.90	3.70
10	Total miles of sewer lines maintained	161.30	157.94
11	Total miles of scheduled periodic cleaning completed	10.74	10.21
12	Total number of pump stations maintained	10	10
13	Total number of pump station inspections completed	1,311	1,145
14	Total number of manhole inspections completed	7,064	7,064
15	Total SSOs > 1,000 gallons responded to	1	1
16	Total FOG-related SSOs responded to	0	1
17	Total root-related SSOs responded to	1	1
18	Total SSOs due to other causes (debris, vandalism, etc.)	2	1
19	Total number of capacity-related SSOs	0	0
20	Total number of SSOs due to pump station malfunction	0	0
21	Number of SSOs responded to within 2 hours or less	3	2
22	Total miles of scheduled CCTV completed	0	0
23	Total miles of scheduled cleaning completed	10.74	10.21
24	Total miles of CCTV completed (including contract CCTV)	0.15	0.23
25	Number of pump station condition assessments completed	N/A	N/A
26	Total miles of sewer lines cleaned (all including contract CCTV)	19.03	20.28
27	Total number of service requests responded to	32	19
Efficiency			
28	Number of SSOs per 100 miles of sewer lines	1.86	1.90
29	Volume of SSOs recovered	105	0
30	Number of SSOs that reached surface water	1	0
31	Average response time per SSO	.97	1.23
32	Average number of SSOs per pump station	0	0
Effectiveness/Outcome			
33	Percentage of SSOs > 1,000 gallons	33.33%	33.33%
34	Percentage of SSOs captured	2.22%	0%
35	Percentage of SSOs due to FOG	0%	33.33%
36	Percentage of SSOs due to roots	33.33%	33.33%
37	Percentage of SSOs due to other causes	66.67%	33.33%
38	Percentage of SSOs that reached surface water	33.33%	0%
39	Percentage of SSOs with response time 2 hours or less	100%	66.67%
40	Percentage of manhole inspections completed	100%	100%
41	Percentage of scheduled CCTV completed	N/A	N/A
42	Percentage of pump station condition assessments completed	N/A	N/A
43	Percentage of pump station inspections completed	126.06%	110.10%
44	Percentage of scheduled cleaning completed **	89.80%	83.93%
45	SSOs from house laterals not related to mainline sewer problems	2	0

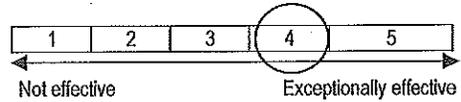
* Not including SSOs from house laterals.

**All scheduled periodics were completed. Percent completion rates greater than 100 percent are attributed to the different sewer segment length determination methods used by field staff and office engineers (GIS), plus the fact that occasional adjustments in the frequencies of the periodics are not reflected in these numbers.

SEWER SYSTEM MANAGEMENT PLAN AUDIT

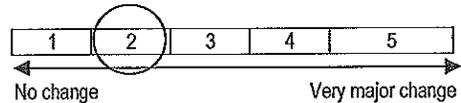
A. Goals and Objectives

To what extent, on a scale of 1 to 5, has the SSMP been effective in reducing SSOs in the City?



B. Organization

How would you describe the changes in the City's organizational structure on a scale of 1 to 5? Please specify.



C. Legal Authority

Give the year of adoption of the latest version of the following County Codes/Ordinances:

- (1) County Industrial Waste Ordinance
Date: 2014
- (2) City Municipal Code/County Plumbing Code
Date: 2013
- (3) City Municipal Code/County Building Code
Date: 2013

D. Operation and Maintenance Program

- (1) What was the actual expenditure on each of these elements of the City's/Consolidated Sewer Maintenance District's (CSMD) operation and maintenance (O&M) programs for the last four fiscal years?
- (i) New Equipment Purchase
 - (ii) Capital Improvement -- Accumulative Capital Outlay (ACO)
 - (iii) Travel and Training

	*2012-13	*2013-14
(i)	\$1,149,495	\$1,902,216
(ii)	\$2,334,444	\$1,577,253
(iii)	\$35,422	\$57,345

- (2) Expenditure/Revenue Data
- (i) Total Budget Amount
 - (ii) Actual Expenditures on CCTV
 - (iii) Total O&M Expenditure
 - (iv) Sewer Service Charge Rates -- CSMD

(i)	\$40,961,000	\$44,611,000
(ii)	\$1,177,182	\$4,523,501
(iii)	\$26,828,128	\$27,591,969
(iv)	\$44.50	\$47.50

* CSMD data

E. Design and Performance Provision

- (1) What dollar amount of the City's/CSMD's expenditure went into:
- (i) Sewer Plan Check
 - (ii) Construction Management and Inspection
 - (iii) Project Design

	*2012-13	*2013-14
(i)	\$226,864	\$74,639
(ii)	\$426,720	\$195,635
(iii)	\$156,757	\$111,002

*CSMD data

- (2) Has there been any major change in the City's design standard? If so, specify and indicate the fiscal year in which it occurred?

Yes	No	✓

F. Overflow Emergency Response Plan

- (1) Total number of SSOs (private lateral SSOs not included).
- (2) Percentage responded to within 2 hours.

2013	2014
3	3
100%	100%

L. List of identified deficiencies and planned corrective actions, if any.

There were no sewer capacity issues identified in the City's system during this audit period.

The CSMD has completed the interior inspection of approximately 27 percent of the City's gravity sewer system (40 miles) by CCTV to evaluate the physical condition of the pipes. This is part of the CSMD's ongoing efforts to identify and correct any structural or maintenance deficiencies in the sewer system.

The CCTV inspection of 21 miles conducted on January 30, 2011, determined that one segment of sewer pipe required repair by installing a pipe lining material to rehabilitate structural deficiencies.

A CCTV inspection of 19 miles conducted on August 31, 2011, determined that 5 segments of sewer pipe, approximately 1,500 feet in length, will require rehabilitation. These sewers have been scheduled for lining by December 31, 2015. The remaining 112 miles of the City's sewer system will be inspected by January 31, 2016. Any significant structural deficiencies from this inspection will be scheduled for repair as part of our ACO Program to rehabilitate sewer pipes as a result of structural deficiencies.

M. COMMENTS

The City's/Sewer Maintenance Districts' (SMDs) SSMP has been very effective in keeping the number and total volume of SSOs in the City significantly below the Statewide median.

There were also very few citizen complaints during the same period.

The SSMP along with associated programs, based on all categories of performance indicators shown on page 2, seem to have significantly enhanced the City's sewer collection system management and operations.

N. CERTIFICATION

We, the undersigned, do hereby certify that information contained in this audit report is to the best of our knowledge true.

Name (s)	Position	Signature	Date
County of Los Angeles Department of Public Works			
Nicholas A. Agbobu, Senior Civil Engineer		<i>Nicholas A. Agbobu</i>	9/14/15
City of Diamond Bar			
David Liu, Director of Public Works		<i>[Signature]</i>	2-16-16
John Beshay, ^{ASSOCIATE} Senior Engineer		<i>[Signature]</i>	2/10/16

ENCLOSURE A
Yearly SSO Worksheet

YEARLY SSO WORKSHEET

YEAR 2013

SSO No.	Total Volume	Volume Recovered	Volume Reached Surface Water (gallons)	Response Time (hours)	Cause of SSO	
1	5	5	0	1	Debris - General	
2	4,700	100	4,600	1.17	Roots	
3	25	0	0	0.73	Other	
TOTAL	3	4730	105	4,600	2.9	(1) Debris - General, (1) Roots, (1) Other

YEAR 2014

SSO No.	Total Volume	Volume Recovered	Volume Reached Surface Water (gallons)	Response Time (hours)	Cause of SSO	
1	1,200	0	0	0.5	Roots	
2	800	0	0	2.33	Other	
3	100	0	0	0.87	FOG	
TOTAL	3	2,100	0	0	3.7	(1) FOG, (1) Roots, (1) Other

ENCLOSURE B
Performance Measures Worksheet

**PERFORMANCE MEASURES INSTRUCTIONS
FOR SSMP AUDIT**

Workload/Performance Indicator		Data Source/Calculation
Input		
1	Total number of pump station condition assessments scheduled	Pump station condition assessments scheduled (Enclosure E)
2	Total miles of scheduled CCTV	Condition Assessment Unit Report (Enclosures E and F)
3	Total miles of scheduled periodic cleaning	Maintenance Management System (MMS) report (Enclosure C)
4	Total miles of scheduled cleaning (periodic and contract CCTV)	Row 2 + Row 3
5	Total number of pump station inspections scheduled	# of Pump Stations x 104 (sewer facilities summary sheet) (Enclosure I)
6	Total number of manhole inspections scheduled	# of Manholes x 2 (sewer facilities summary sheet) (Enclosure I)
Workload/Output		
7	Total number of SSOs responded to in a 12-month period*	Enclosures A and H
8	Total volume of SSOs	Enclosure A
9	Total SSO response time (in hours)	Enclosure A
10	Total miles of sewer lines maintained	Sewer facilities summary sheet (Enclosure I)
11	Total miles of scheduled periodic cleaning completed	SMD Productivity Report (Enclosure G)
12	Total number of pump stations maintained	Sewer facilities summary sheet (Enclosure I)
13	Total number of pump station inspections completed	SMD Productivity Report (Enclosure G)
14	Total number of manhole inspections completed	SMD Productivity Report (Enclosure G)
15	Total SSOs >1,000 gallons responded to	Enclosure A
16	Total FOG-related SSOs responded to	Enclosure A
17	Total root-related SSOs responded to	Enclosure A
18	Total SSOs due to other causes (debris, vandalism, etc.)	Enclosure A
19	Total number of capacity-related SSOs	Enclosure A
20	Total number of SSOs due to pump station malfunction	Enclosure A
21	Number of SSOs responded to within 2 hours or less	Enclosure A
22	Total miles of scheduled CCTV completed	CAU (Enclosure F)
23	Total miles of scheduled cleaning completed	Row 11 + Row 22
24	Total miles of CCTV completed (including contract CCTV)	SMD Productivity Report (Enclosure G)
25	Number of pump station condition assessments completed	To be provided by CSMD
26	Total miles of sewer lines cleaned (all including contract CCTV)	SMD Productivity Report (Hydro + Mechanical + Televising) (Enclosure G)
27	Total number of service requests responded to	SMD Productivity Report (excluding false alarms) (Enclosure G)
Efficiency		
28	Number of SSOs per 100 miles of sewer lines	Column 3 of SSO Report (Enclosure H)
29	Volume of SSOs recovered	Enclosure A
30	Number of SSOs that reached surface water	Enclosure A
31	Average response time per SSO	Row 7 ÷ Row 9
32	Average number of SSOs per pump station	Row 12 ÷ Row 20
0		
33	Percentage of SSOs >1,000 gallons	Row 15 ÷ Row 7 x 100
34	Percentage of SSOs captured	Row 29 ÷ Row 8 x 100
35	Percentage of SSOs due to FOG	Row 16 ÷ Row 7 x 100
36	Percentage of SSOs due to roots	Row 17 ÷ Row 7 x 100
37	Percentage of SSOs due to other causes	100% - (Row 35 + Row 36)
38	Percentage of SSOs that reached surface water	Row 30 ÷ Row 7 x 100
39	Percentage of SSOs with response time 2 hours or less	Row 21 ÷ Row 7 x 100
40	Percentage of manhole inspections completed	Row 14 ÷ Row 6 x 100
41	Percentage of scheduled CCTV completed	Row 22 ÷ Row 2 x 100
42	Percentage of pump station condition assessments completed	Row 25 ÷ Row 1 x 100
43	Percentage of pump station inspections completed	Row 13 ÷ Row 5 x 100
44	Percentage of scheduled cleaning completed	Row 23 ÷ Row 4 x 100
45	SSOs from house laterals not related to mainline sewer problems	Column 16 - Column 17 of SSO Report (Enclosure H)

*Not including SSOs from house laterals.

**All scheduled periodics were completed. The higher than 100 and/or less than 100 percent completion rate recorded could be attributed to the different sewer segment length determination methods used by field staff and office engineers (GIS), plus the fact that occasional adjustments in the frequencies of the periodics are not reflected in these numbers.

ENCLOSURE C
Maintenance Management System
Periodics Report Summary

Periodics Report for the City of Diamond Bar

2013 - 2014

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2013	2014
PM S09E00007						
H: Mapsheet No. 2349 - R/W S/O Cool Springs Dr. : P/S to Mh #96	0097/2349-PUMP/2349	90 DAYS	1/1/1998	78	200	200
H: Mapsheet No. 2349 - R/W S/O Cool Springs Dr. : P/S to Mh #96	0096/2349-0097/2349	90 DAYS	1/1/1998	50	200	200
	Summary for 'PM' = S09E00007			128	400	400
PM S09E00036						
H: Mapsheet No. 2390 - Clear Creek Cyn Dr. : Mh #361 to #359	0360/2390-0361/2390	30 DAYS	2/10/2006	178	2,136	2,136
H: Mapsheet No. 2390 - Clear Creek Cyn Dr. : Mh #361 to #359	0359/2390-0360/2390	30 DAYS	2/10/2006	277	3,324	3,324
	Summary for 'PM' = S09E00036			455	5,460	5,460
PM S09E00037						
arp hmsht 2390 cogburn cyn 360 - 355 Mhs Repeat	0357/2390-0360/2390	30 DAYS	1/10/2006	285	3,420	3,420
arp hmsht 2390 cogburn cyn 360 - 355 Mhs Repeat	0355/2390-0357/2390	30 DAYS	1/10/2006	282	3,384	3,384
	Summary for 'PM' = S09E00037			567	6,804	6,804
PM S09E00038						
H: Mapsheet No. 2433 - Leyland Dr. : Mh #311 to #308	0308/2433-0309/2433	60 DAYS	8/28/2001	241	1,446	1,446
H: Mapsheet No. 2433 - Leyland Dr. : Mh #311 to #308	0309/2433-0310/2433	60 DAYS	8/28/2001	338	2,028	2,028
H: Mapsheet No. 2433 - Leyland Dr. : Mh #311 to #308	0310/2433-0311/2433	60 DAYS	8/28/2001	331	1,986	1,986
	Summary for 'PM' = S09E00038			910	5,460	5,460
PM S09E00101						
H: Mapsheet No. 2348 - Golden Springs Rd. : Mh #517 to #516	0516/2348-0517/2348	90 DAYS	3/1/1998	244	976	976
	Summary for 'PM' = S09E00101			244	976	976
PM S09E00102						
H: Mapsheet No. 2348 - Colima Rd. : Mh #378 to #376	0376/2348-0377/2348	90 DAYS	3/1/1998	314	1,256	1,256
H: Mapsheet No. 2348 - Colima Rd. : Mh #378 to #376	0377/2348-0378/2348	90 DAYS	3/1/1998	54	216	216
	Summary for 'PM' = S09E00102			368	1,472	1,472
PM S09E00141						
H: Mapsheet No. 2433 - Newbury Wy. : #309 to #343	0309/2433-0343/2433	60 DAYS	6/24/2001	176	1,056	1,056
	Summary for 'PM' = S09E00141			176	1,056	1,056

Periodics Report for the City of Diamond Bar

2013 - 2014

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2013	2014
PM S09E00191						
H: Mapsheet No. 2349 - Castlerock Dr. : from MH #128 to MH #129	0128/2349-0129/2349	90 DAYS	8/23/2005	234	936	936
	Summary for 'PM' = S09E00191					
PM S09E00193						
H: Mapsheet No. 2392 - Steeplechase Ln. : MH #12 to #352	0011/2392-0352/2392	30 DAYS	11/28/2005	203	2,436	2,436
H: Mapsheet No. 2392 - Steeplechase Ln. : MH #12 to #352	0011/2392-0012/2392	30 DAYS	11/28/2005	248	2,976	2,976
	Summary for 'PM' = S09E00193					
PM S09E00200						
H: Mapsheet No. 2389 - Alley S/O Sunset Crossing Rd. : Mh #179 to #180	0179/2389-0180/2389	60 DAYS	1/3/2006	216	1,296	1,296
	Summary for 'PM' = S09E00200					
PM S09E00220						
H: Mapsheet No. 2390 Gentle Springs Lane From Mh 201 to Mh 177	0177/2390-0178/2390	30 DAYS	8/9/2006	275	3,300	3,300
H: Mapsheet No. 2390 Gentle Springs Lane From Mh 201 to Mh 177	0178/2390-0179/2390	30 DAYS	8/9/2006	85	1,020	1,020
H: Mapsheet No. 2390 Gentle Springs Lane From Mh 201 to Mh 177	0200/2390-0201/2390	30 DAYS	8/9/2006	84	1,008	1,008
H: Mapsheet No. 2390 Gentle Springs Lane From Mh 201 to Mh 177	0177/2390-0200/2390	30 DAYS	8/9/2006	345	4,140	4,140
	Summary for 'PM' = S09E00220					
PM S09E00221						
H: Mapsheet No. 2390-Diamond Bar Golf Course From Mh 113 to Mh 114	0113/2390-0114/2390	90 DAYS	8/17/2006	232	928	928
	Summary for 'PM' = S09E00221					
PM S09E00226						
H: Mapsheet No. 2390 - Sabana Drive From MH 285 to MH 293.	0285/2390-0293/2390	90 DAYS	11/4/2007	171	684	684
	Summary for 'PM' = S09E00226					
PM S09E0213						
H: Mapsheet No. 2392 - Vista Ct from Pump Station to MH 391	0391/2392-0392/2392	90 DAYS	3/17/2014	261	1,044	1,044
H: Mapsheet No. 2392 - Vista Ct from Pump Station to MH 391	0392/2392-PUMP/2392	90 DAYS	3/17/2014	116	464	464
	Summary for 'PM' = S09E0213					

Periodics Report for the City of Diamond Bar

2013 - 2014

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2013	2014
PM S10CR0409						
RP (Foam): Mapsheet No. 2432 El Encino Dr. from MH 103 to MH 102	0087/2432-0102/2432	18 MONTHS	6/10/2013	240	240	
RP (Foam): Mapsheet No. 2432 El Encino Dr. from MH 103 to MH 102	0102/2432-0103/2432	18 MONTHS	6/10/2013	179	179	
	Summary for 'PM' = S10CR0409			419	419	
PM S10E00165						
R Msht #2389 Decorah Rd MH 293-296	0295/2389-0296/2389	120 DAYS	4/1/1998	209	627	627
R Msht #2389 Decorah Rd MH 293-296	0293/2389-0294/2389	120 DAYS	4/1/1998	342	1,026	1,026
R Msht #2389 Decorah Rd MH 293-296	0294/2389-0295/2389	120 DAYS	4/1/1998	296	888	888
	Summary for 'PM' = S10E00165			847	2,541	2,541
PM S10E00166						
R: Mapsheet No. 2390 - Rock River Dr. : Mh #49 to #63	0055/2390-0056/2390	120 DAYS	4/1/1998	280	840	840
R: Mapsheet No. 2390 - Rock River Dr. : Mh #49 to #63	0057/2390-0063/2390	120 DAYS	4/1/1998	257	771	771
R: Mapsheet No. 2390 - Rock River Dr. : Mh #49 to #63	0049/2390-0054/2390	120 DAYS	4/1/1998	302	906	906
R: Mapsheet No. 2390 - Rock River Dr. : Mh #49 to #63	0056/2390-0057/2390	120 DAYS	4/1/1998	196	588	588
R: Mapsheet No. 2390 - Rock River Dr. : Mh #49 to #63	0054/2390-0055/2390	120 DAYS	4/1/1998	319	957	957
	Summary for 'PM' = S10E00166			1,354	4,062	4,062
PM S10E00167						
R: Mapsheet No. 2432 - Del Sol Ln. : Mh #119 to #120	0119/2432-0120/2432	120 DAYS	4/1/1998	233	699	699
	Summary for 'PM' = S10E00167			233	699	699
PM S10E00259						
R: Mapsheet No. 2434 - R/W W/O Derringer Ln. : Mh #53 to #42	0042/2434-0050/2434	180 DAYS	6/1/1998	247	494	494
R: Mapsheet No. 2434 - R/W W/O Derringer Ln. : Mh #53 to #42	0052/2434-0053/2434	180 DAYS	6/1/1998	216	432	432
R: Mapsheet No. 2434 - R/W W/O Derringer Ln. : Mh #53 to #42	0050/2434-0051/2434	180 DAYS	6/1/1998	205	410	410
R: Mapsheet No. 2434 - R/W W/O Derringer Ln. : Mh #53 to #42	0051/2434-0052/2434	180 DAYS	6/1/1998	76	152	152
	Summary for 'PM' = S10E00259			744	1,488	1,488

Periodics Report for the City of Diamond Bar

2013 - 2014

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2013	2014
PM S10E00266						
R: Mapsheet No. 2392 - Birch Hill Dr: MH #231 to #101 (C-2391)	0233/2392-0101/2391	90 DAYS	6/1/1998	350	1,400	1,400
R: Mapsheet No. 2392 - Birch Hill Dr: MH #231 to #101 (C-2391)	0231/2392-0232/2392	90 DAYS	6/1/1998	320	1,280	1,280
R: Mapsheet No. 2392 - Birch Hill Dr: MH #231 to #101 (C-2391)	0232/2392-0233/2392	90 DAYS	6/1/1998	355	1,420	1,420
	Summary for 'PM' = S10E00266			1,025	4,100	4,100
PM S10E00282						
R Msht 2389 R/W N/O DryCk Rd MH179-180	0179/2389-0180/2389	60 DAYS	1/3/2006	216	1,296	1,296
	Summary for 'PM' = S10E00282			216	1,296	1,296
PM S10E00348						
R: Mapsheet No. 2391 - Terra Loma Dr. : MH #107 to #115	0108/2391-0115/2391	90 DAYS	9/11/2004	163	652	652
R: Mapsheet No. 2391 - Terra Loma Dr. : MH #107 to #115	0107/2391-0108/2391	90 DAYS	9/11/2004	296	1,184	1,184
	Summary for 'PM' = S10E00348			459	1,836	1,836
PM S10E00358						
R: Mapsheet No. 2389 - Palo Cedro Dr. : MH #201 to #202	0201/2389-0202/2389	90 DAYS	12/9/2004	141	564	564
	Summary for 'PM' = S10E00358			141	564	564
PM S10E00371						
R: Mapsheet No. 2390 - Torito Ln. : Mh #234 to #235	0234/2390-0235/2390	90 DAYS	3/3/2005	110	440	440
	Summary for 'PM' = S10E00371			110	440	440
PM S10E00478						
R Msht #2348 Brea Cyn Rd MH 581-582	0581/2348-0582/2348	90 DAYS	2/20/2008	37	148	148
	Summary for 'PM' = S10E00478			37	148	148
PM S10E00483						
R: Mapsheet C-2389 Diamond Bar Bl from MH 272 to MH 273.	0272/2389-0273/2389	90 DAYS	4/8/2008	350	1,400	1,400
	Summary for 'PM' = S10E00483			350	1,400	1,400
PM S10E00499						
R: Mapsheet No. 2392 - R/W E/O Steeple Chase Ln MH 18 to MH 22	0018/2392-0022/2392	90 DAYS	1/29/2009	74	296	296
	Summary for 'PM' = S10E00499			74	296	296

Periodics Report for the City of Diamond Bar

2013 - 2014

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2013	2014
PM S10E0316						
R: Msft #2391 Presado Dr MH 147-148	0147/2392-0148/2392	90 DAYS Summary for 'PM' = S10E0316	10/27/2008	122	488	488
PM S10E0326						
R: Mapsheet No. C-2432 Flintlock Rd from Mh 22 To Mh 23	0022/2432-0023/2432	90 DAYS Summary for 'PM' = S10E0326	3/3/2007	226	904	904
PM S10E0348						
R: Mapsheet No. 2391-PRESADO DR. FROM MH120 TO MH 148(C-2392)	0120/2391-0148/2392	60 DAYS Summary for 'PM' = S10E0348	6/29/2010	50	300	300
PM S10E0361						
R: Mapsheet No.2391 Chestnut Creek Rd. from MH 116 to MH 115	0115/2391-0116/2391	90 DAYS Summary for 'PM' = S10E0361	4/14/2011	125	500	500
PM S10E0362						
R: Mapsheet No. 2392 Castle Rock Rd. from MH142 to MH 143	0142/2392-0143/2392	90 DAYS Summary for 'PM' = S10E0362	5/24/2011	154	616	616
PM S10E0372						
R: Mapsheet No. 2433 - Maple Springs Dr. from MH 33 to MH 32	0032/2433-0033/2433	90 DAYS Summary for 'PM' = S10E0372	10/23/2012	170	680	680

Total Pipe Length (ft): 12,174
(2.31 miles)

Grand Total (ft): 63,129 64,218

Grand Total (mile): 11.96 12.16

Sewers (count): 55 55

ENCLOSURE D
Map of Hot Spots

Maintenance Map Periodics City of Diamond Bar



Legend

Periodics

- 30 DAYS
- 60 DAYS
- 90 DAYS
- 120 DAYS
- 150 DAYS
- 180 DAYS
- 18 MONTHS

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon

SMD Pump Stations

- SMD Trunk MH

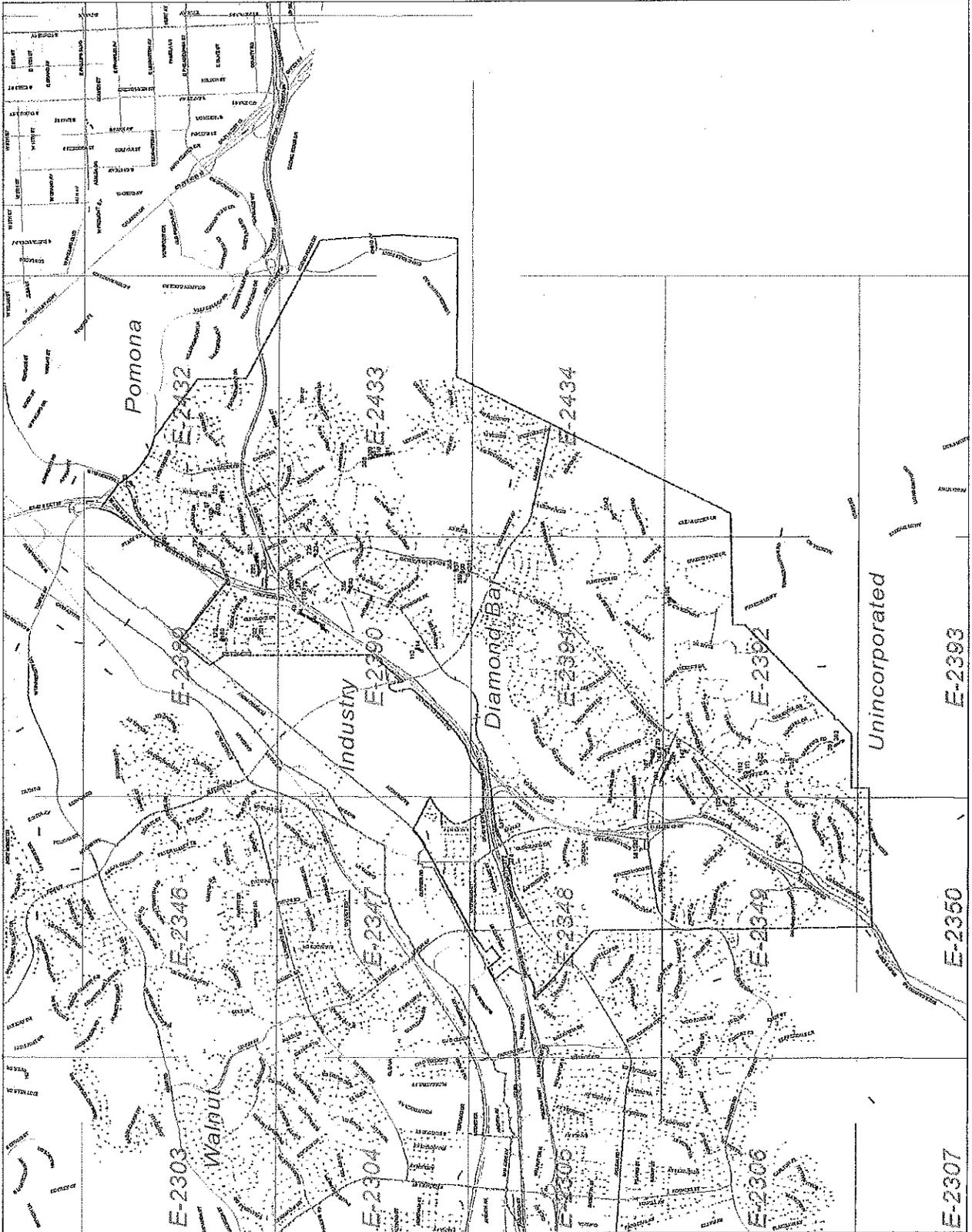
SMD Sewers

- SMD Trunks
- Gravity Sewers
- Force Mains
- Siphons

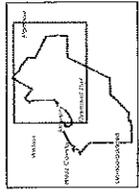
SMD Operations Maps

- City

- 1
- 2
- 3
- 4
- 5
- 6
- 9



Maintenance Map
Periodics
 City of Diamond Bar
 Part 1 of 2



Overall view

Legend

Periodics

- 30 DAYS
- 60 DAYS
- 90 DAYS
- 120 DAYS
- 150 DAYS
- 180 DAYS
- 18 MONTHS

SMD Manholes

- Standard
- △ DROP
- Shallow
- Trap
- Siphon

SMD Pump Stations

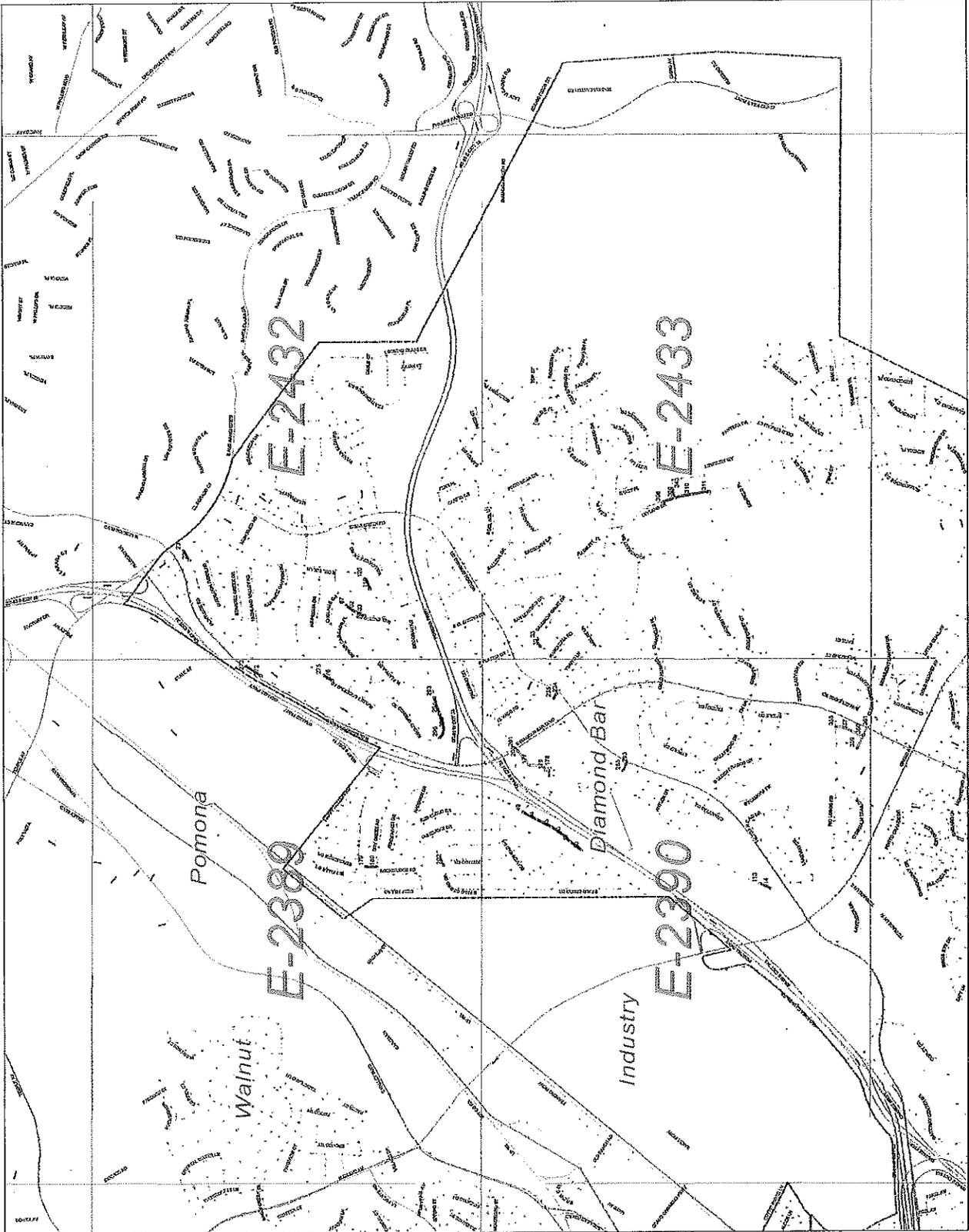
- SMD Trunk MH
- SMD Trunks

SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons

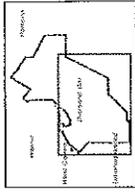
SMD Operations Maps

- 1 City
- 2
- 3
- 4
- 5
- 6
- 9



Maintenance Map Periodics

City of Diamond Bar
Part 2 of 2



Overall view

Legend

Periodics

- 30 DAYS
- 60 DAYS
- 90 DAYS
- 120 DAYS
- 150 DAYS
- 180 DAYS
- 18 MONTHS

SMD Manholes

- Standard
- △ DROP
- Shallow
- Trap
- Siphon

SMD Pump Stations

- SMD Trunk IMH

SMD Trunks

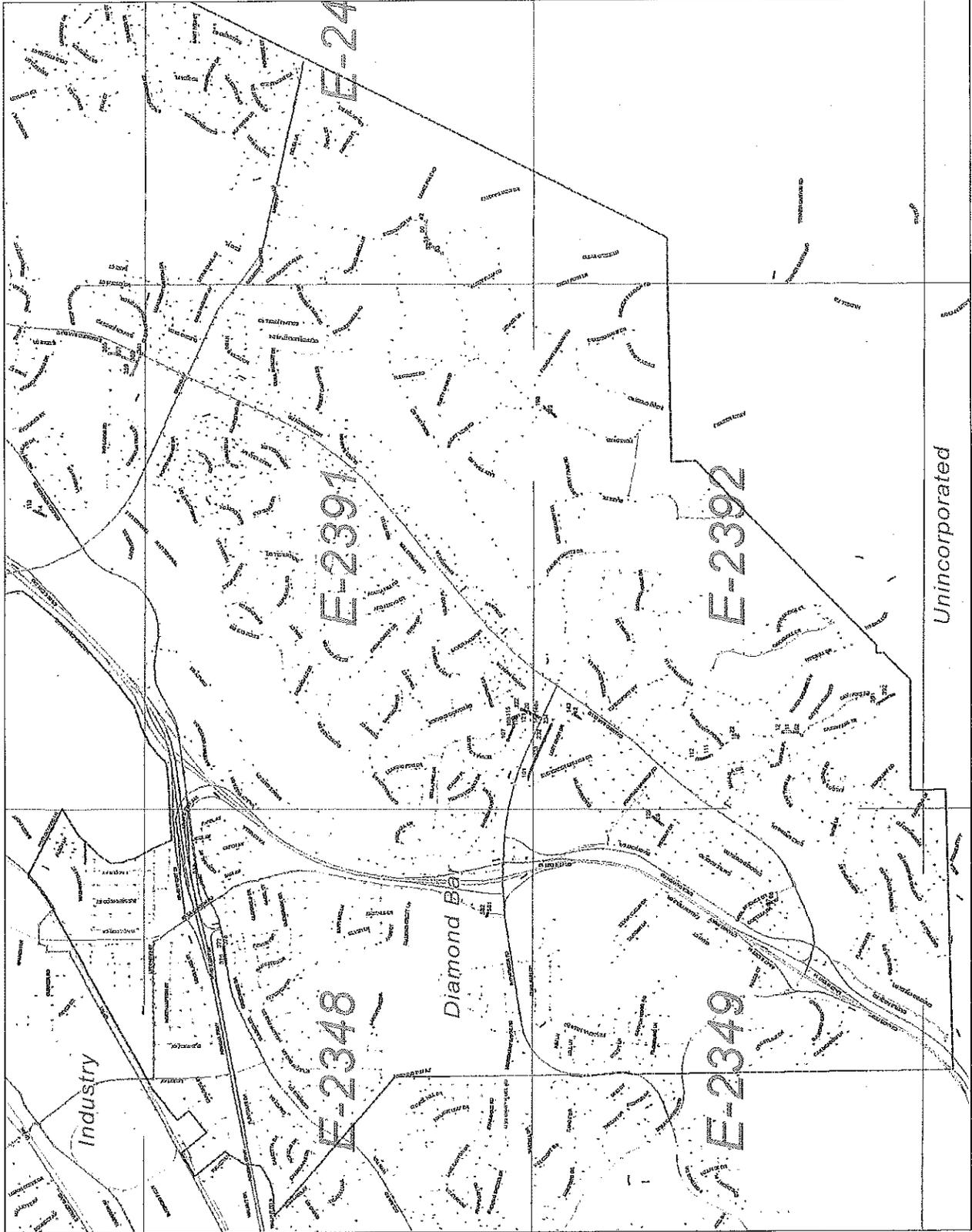
SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons

SMD Operations Maps

- City

- 1
- 2
- 3
- 4
- 5
- 6
- 9



ENCLOSURE E
Pump Station Condition
Assessment Work

**PUMP STATION CONDITION ASSESSMENT WORK FOR
THE CITY OF DIAMOND BAR**

Year	Scheduled	Completed
2013	N/A	N/A
2014	N/A	N/A
Total	N/A	N/A

ENCLOSURE F

CCTV Inspection Report and
Sewer Condition Assessment
ACO Projects

**CCTV INSPECTION REPORT FOR
THE CITY OF DIAMOND BAR**

Year	Miles Scheduled	Miles Completed	% Significant Defects (Rated 5)
2013	0	0	0
2014	0	0	0
Total	0	0	0

**SEWER CONDITION ASSESSMENT
ACO PROJECTS FOR
THE CITY OF DIAMOND BAR**

Year	Length of Sewer Lines Rehabilitated (feet)
2013	0
2014	0
Total	0

ENCLOSURE G
Productivity Reports

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2013
CITY OF DIAMOND BAR**

Total Pipe Length (feet) as of December 31, 2013: 850,771

Total Manholes as of December 31, 2013: 3,532

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 62,329
 - Periodic Cleaning (feet): 32,368
- Mechanically Rodded (feet): 37,379
 - Periodic Cleaning (feet): 24,355

Manholes

- Inspected: 7,064
- Adjusted: 13

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 1
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 7
- Other: 3
- False Alarms: 21
- Service Requests Responded to: 32

TELEVISIONING

Feet Televised: 797

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 250

CONSTRUCTION

Saddle Installation(s): 2

PUMP STATIONS

Total Number of Pump Stations: 10

Total Routine Maintenance/Repairs: 1,311

Total Major Repairs: 51

Total Emergency Responses: 25

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 2

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2014
CITY OF DIAMOND BAR**

Total Pipe Length (feet) as of December 31, 2014: 833,945

Total Manholes as of December 31, 2014: 3,532

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 72,612
 - Periodic Cleaning (feet): 31,375
- Mechanically Rodded (feet): 33,262
 - Periodic Cleaning (feet): 22,510

Manholes

- Inspected: 7,064
- Adjusted: 12

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 3
- Floodouts: 1
- Roach Complaints: 0
- Misc.: 4
- Other: 0
- False Alarms: 11
- Service Requests Responded to: 19

TELEVISIONING

Feet Televised: 1,190

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 2

PUMP STATIONS

Total Number of Pump Stations: 10

Total Routine Maintenance/Repairs: 1,145

Total Major Repairs: 35

Total Emergency Responses: 17

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 2

ENCLOSURE H
SSO Report

**SSO REPORT FOR
THE CITY OF DIAMOND BAR**

Years	Pipe Length (mi)	SSOs/100 mi	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SSOs Total	*CSMD SSOs Total
2013	161.13	1.86	1	0	0	0	0	0	1	0	0	1	1	1	5	3
2014	157.94	1.9	0	1	1	0	0	0	0	0	1	0	0	0	3	3
Total			1	1	1	0	0	0	1	0	1	1	1	1	8	6

* Excludes private lateral SSOs

ENCLOSURE I
Facilities Maintained by the CSMD

FACILITIES MAINTAINED BY THE CSMD FOR THE CITY OF DIAMOND BAR

Years	Pipe Length (mi)	Manholes	Pump Stations
2013	161.3	3,532	10
2014	157.94	3,532	10

ENCLOSURE J
California Integrated Water Quality
System Certified SSO Reports



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Navigate to:
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Spill - General Information ? [SSO Menu](#)

Spill Event ID:	791007	Regional Water Board:	Region 4 - Los Angeles
Spill Location Name:	2432 - 24224 Sylvan Glen Road	Agency:	Diamond Bar City
WDID:	4SSO10382	Sanitary Sewer System:	Diamond Bar City CS

[General Info](#) | [Spill Related Parties](#) | [Attachments](#)

Amend

Note: Certification of PLSD reports will not be required after WDR Review and Update changes are implemented. Questions with "*" are required.
 You have 59:35 minutes to save your report before your session expires.

Version: 1.2

* 1 - Spill Location Name:

* 2 - Estimated spill volume: gallons

* 3 - Did the spill discharge to a drainage channel and/or surface water?

* 4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?

* 5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?

6 - Estimated volume of spill recovered: gallons

7 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain: gallons

Physical Location Details

* Enter either Lat/Lon or Address(Number, Name, City, and Zip)

8 - Latitude of spill location: deg. min. sec. OR decimal degrees [\[Map \]](#)

9 - Longitude of spill location: deg. min. sec. OR decimal degrees [\[Map \]](#)

- or -

10 - Street number:

11 - Street name: 12 - Suite/Apt:

13 - City: 14 - Zip:

15 - Spill location description:
 (Use attachment if location description is more than 2000 characters)

Spill Details

* 16 - Spill appearance point:
 (Hold Ctrl key to Select Multiple answers from the list)

* 17 - Spill appearance point explanation:
 (Required if spill appearance point is "Other")

18 - Final spill destination:
 (Hold Ctrl key to Select Multiple answers from the list)

19 - Explanation of final spill destination:
 (Required if final spill destination is "Other")

* 20 - Estimated spill start date/time: Date Format: MM/DD/YYYY

* 21 - Date and time sanitary sewer system agency was notified of or discovered spill: Date Format: MM/DD/YYYY

22 - Estimated Operator arrival date/time:	01/28/2013 11:20 Date Format: MM/DD/YYYY
23 - Estimated spill end date/time:	01/28/2013 11:20 Date Format: MM/DD/YYYY
* 24 - Spill cause:	Debris-General
25 - Spill cause explanation: (Required if spill Cause is "Other")	
26 - PLSD Source:	
27 - Explanation of PLSD Source:	
* 28 - Where did failure occur?	Other (specify below)
29 - Explanation of Where Failure Occurred: (Required if Where Failure Occurred is "Other")	Private lateral cleanout
30 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	inches
31 - Material of sewer pipe at the point of blockage or spill cause (if applicable):	
32 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):	
33 - Spill response activities: (Hold Ctrl key to Select Multiple answers from the list)	<input type="checkbox"/> Cleaned-Up <input type="checkbox"/> Mitigated Effects of Spill <input type="checkbox"/> Evidence of spill or portion of spill <input type="checkbox"/> Other (specify below)
34 - Explanation of spill response activities: (Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)	<input type="checkbox"/> Restored flow <input type="checkbox"/> Upon arrival the crew contained the spill with absorbant socks and vacuumed in spill. The crew also rodged from MP 237 to MP 236. <input type="checkbox"/> Relieved portion of Spill to Sanitary Sewer System <input type="checkbox"/> Property Owner Notified <input type="checkbox"/> Other Enforcement Agency Notified <input type="checkbox"/> Cleaned-up (mitigated effects of spill)

Spill ID: 797439	Region: 4
Spill Location: 2432-0115	Agency: Diamond Bar City
WDID: 4SSO10382	Collection System: Diamond Bar City CS
Certifier: Nicholas A. Agbobu	Certify on: 08/01/2013

1 - Spill Type: Category 1

2 - Version: 1.4

3 - Spill Location Name: 2432-0115

4 - Latitude of Spill Location: 34.027852

5 - Longitude of Spill Location: -117.801022

6 - Address: 23960 Decorah Road Diamond Bar

15 - County: Los Angeles

16 - Spill location description: CSMD Mapsheet No. 2432 Manhole No. 115
MMS No. 4933986

17 - Regional Water Quality Control Board: 4

18 - Spill appearance point: Manhole

19 - Spill appearance point explanation:

20 - Did the spill discharge to a drainage channel and/or surface water? Yes

21 - Did the spill reach a storm drainpipe that is not part of a combined sewer system? Yes

22 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

23 - Private lateral spill? No

24 - Name of responsible party (for private lateral spill only, if known):

25 - Final spill destination: Separate storm drain;Other (specify below)

26 - Explanation of final spill destination: Spill flowed from Manhole No. 115 into a storm drain, which leads to Upper San Jose Creek.

27 - Estimate Spill Volume: 4700.0

28 - Estimate volume of spill recovered: 100.0

1.1 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain: 4600.0

29 - Estimate current spill rate: 0.0

30 - Estimated spill start date/time: 07/25/2013 08:00

31 - Date and time sanitary sewer system agency was notified of or discovered spill: 07/25/2013 08:20

32 - Estimated Operator arrival date/time: 07/25/2013 09:30

33 - Estimated spill end date/time: 07/25/2013 11:00

34 - Spill cause: Root intrusion

35 - Spill cause explanation:

36 - Where did failure occur: Main

37 - Explanation of Where Failure Occurred:

38 - If spill caused by wet weather, choose size of storm:

39 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):

40 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

41 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

42 - Description of terrain surrounding the point of blockage or spill cause (if applicable):

43 - Spill response activities: Contained all or portion of spill; Restored flow; Other (specify below)

44 - Explanation of spill response activities:: Upon arrival Manhole No. 115 was overflowing. Rodder equipment was used to break down the mainline blockage.

1.2 - Spill response completion date: 07/25/2013 13:00

45 - Visual inspection results from impacted receiving water:

1.3 - Health warnings posted: No

46a - Name of impacted beach(es) (enter NA if None)

46b - Name of impacted surface water(s) (enter Un-named Tributary to XXXXX where XXXXX is the name of first named downstream tributary if receiving surface water body is un-named): Upper San Jose Creek

1.6 - Is there an ongoing investigation? No

1.7 - Water quality samples analyzed for:	No water quality samples taken
1.8 - Explanation of water quality samples analyzed for:	
1.9 - Water quality sample results reported To:	No water quality samples taken
1.10 - Explanation of water quality sample results reported to:	
1.11 - Spill corrective action taken:	Other (specify below)
1.12 - Explanation of spill corrective action taken:	Mainline will be televised to determine if further actions are needed.
47 - OES Control Number :	134580
48 - OES Called Date/Time :	07/25/2013 08:30
1.13 - County health agency notified	yes
1.14 - Agency Name:	Department of Public Health
1.15 - Method Notification:	
1.16 - Name of Staff Contacted:	
1.17 - Phone Number of Staff Contacted:	
1.18 - County health agency notified date/time:	07/25/2013 08:55
49 - Regional Water Quality Control Board notified date/time:	07/25/2013 08:50
50 - Method Notification:	
51 - Name of Staff Contacted:	
52 - Phone Number of Staff Contacted:	
53 - Other Agency Notified:	L.A. County Flood Maintenance Division
54 - Was any of this spill report information submitted via fax (or electronically) to the Regional Water Quality Control Board?	yes
55 - Date and time spill report information was submitted via fax (or electronically) to the Regional Water quality Control Board:	07/26/2013 06:48



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Spill - General Information [SSO Menu](#)

Spill Event ID: 799530 Regional Water Board: Region 4 - Los Angeles
 Spill Location Name: 2392 - 2709 South Diamond Bar Boulevard, Diamond Bar Agency: Diamond Bar City
 WDID: 4SSO10382 Sanitary Sewer System: Diamond Bar City CS

[General Info](#) [Spill Related Parties](#) [Attachments](#)

Note: Certification of PLSD reports will not be required after WDR Review and Update changes are implemented. Questions with "*" are required.
 You have 59:51 minutes to save your report before your session expires.

Version: 2

* 1 - Spill Location Name:

* 2 - Estimated spill volume: gallons

* 3 - Did the spill discharge to a drainage channel and/or surface water?

* 4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?

* 5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?

6 - Estimated volume of spill recovered: gallons

7 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain: gallons

Physical Location Details

* Enter either Lat/Lon or Address(Number, Name, City, and Zip)

8 - Latitude of spill location: deg. min. sec. OR decimal degrees [\[Map \]](#)

9 - Longitude of spill location: deg. min. sec. OR decimal degrees [\[Map \]](#)

- or -

10 - Street number:

11 - Street name: 12 - Suite/Apt:

13 - City: 14 - Zip:

15 - Spill location description:
 (Use attachment if location description is more than 2000 characters)

Spill Details

* 16 - Spill appearance point:
 (Hold Ctrl key to Select Multiple answers from the list)

* 17 - Spill appearance point explanation:
 (Required if spill appearance point is "Other")

* 18 - Final spill destination:
 (Hold Ctrl key to Select Multiple answers from the list)

* 19 - Explanation of final spill destination:
 (Required if final spill destination is "Other")

* 20 - Estimated spill start date/time: Date Format: MM/DD/YYYY

* 21 - Date and time sanitary sewer system agency was notified of or discovered spill: Date Format: MM/DD/YYYY

22 - Estimated Operator arrival date/time:	10/02/2013 21:10 Date Format: MM/DD/YYYY
23 - Estimated spill end date/time:	10/02/2013 21:36 Date Format: MM/DD/YYYY
* 24 - Spill cause:	Other (specify below)
25 - Spill cause explanation: (Required if spill Cause is "Other")	Unknown
26 - PLSD Source:	
27 - Explanation of PLSD Source:	
* 28 - Where did failure occur?	Other (specify below)
29 - Explanation of Where Failure Occurred: (Required if Where Failure Occurred is "Other")	Private grease interceptor (mainlines were running good)
30 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	inches
31 - Material of sewer pipe at the point of blockage or spill cause (if applicable):	
32 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):	
33 - Spill response activities: (Hold Ctrl key to Select Multiple answers from the list)	<input checked="" type="checkbox"/> Cleaned-Up <input type="checkbox"/> Mitigated Effects of Spill <input type="checkbox"/> Contained all or portion of spill <input type="checkbox"/> Other (specify below)
34 - Explanation of spill response activities: (Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)	<input checked="" type="checkbox"/> Restored flow <input type="checkbox"/> Returned All Spill to Sanitary Sewer System <input type="checkbox"/> Returned Portion of Spill to Sanitary Sewer System <input type="checkbox"/> Property Owner Notified <input type="checkbox"/> Other Enforcement Agency Notified

Spill ID: 804377	Region: 4
Spill Location: 2389 - Flood out (23653/23645/23640 Sunset Crossing Road, Diamond Bar)	Agency: Diamond Bar City
WDID: 4SSO10382	Collection System: Diamond Bar City CS
Certifier: Nicholas A. Agbobu	Certify on: 03/06/2014

1 - Spill Type: Category 2

Version: 1.4

2 - Estimate Spill Volume:

a - Estimated spill volume that reached a separate storm drain that flows to a surface water body: 0.0

b - Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up): 0.0

c - Estimated spill volume that reached a drainage channel that flows to a surface water body: 0.0

d - Estimated spill volume recovered from a drainage channel that flows to a surface water body: 0.0

e - Estimated spill volume discharged directly to a surface water body: 0.0

f - Estimated spill volume recovered from surface water body: 0.0

g - Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.): 1200.0

h - Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up): 0.0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
0.0	1200.0	0.0	1200.0

3 - Did the spill discharge to a drainage channel and/or surface water? No

4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?	No
5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?	Not Applicable - Spill did not reach a separate storm drainpipe
6 - Spill Location Name:	2389 - Flood out (23653/23645/23640 Sunset Crossing Road, Diamond Bar)
7 - Latitude of Spill Location:	34.032318
8 - Longitude of Spill Location:	-117.806486
9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet No. 2389 MMS No. 5060379
Spill Details:	
12 - Number Of appearance points:	1
13 - Spill appearance point:	Inside Building or Structure;Lateral Clean Out (Private);Other sewer system structure
14 - Spill appearance point explanation:	Spill overflowed from a private clean out into surrounding landscaping.
15 - Final spill destination:	Building or Structure;Other (specify below)
16 - Explanation of final spill destination:	Three homes flooded out.
17 - Estimated spill start date/time:	02/28/2014 13:11
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	02/28/2014 13:20
19 - Estimated Operator arrival date/time:	02/28/2014 13:50
20 - Estimated spill end date/time:	02/28/2014 15:50
21 - Spill cause:	Root Intrusion
22 - Spill cause explanation:	
23 - Where did failure occur:	Gravity Mainline
24 - Explanation of Where Failure Occurred:	
25 - Was this spill associated with a storm event:	No
26 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	

27 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

28 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

29 - Spill response activities:

Other (specify below); Restored flow; Property Owner Notified; Other Enforcement Agency Notified

30 - Explanation of spill response activities::

Three properties were provided with Carl Warren & Company (Rapid Response Service Program Authorization) form for clean up service.

31 - Spill response completion date:

02/28/2014 17:07

32 - Spill corrective action taken:

Added sewer to preventive maintenance program

33 - Explanation of spill corrective action taken:

34a - Is there an ongoing investigation?

No

35 - Explanation of volume estimation methods used:

36(a) - Name and Title (Contact person who can answer specific questions about this SSO):

Robert Swartz, Senior Civil Engineer

36(b) - Contact Person Phone Number:

6263003367

Spill ID: 804412	Region: 4
Spill Location: 2432-Flood out (345 & 337 El Encino Drive, Diamond Bar)	Agency: Diamond Bar City
WDID: 4SSO10382	Collection System: Diamond Bar City CS
Certifier: Nicholas A. Agbobu	Certify on: 03/06/2014

1 - Spill Type: Category 3

Version: 1.4

2 - Estimate Spill Volume:

a - Estimated spill volume that reached a separate storm drain that flows to a surface water body: 0.0

b - Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up): 0.0

c - Estimated spill volume that reached a drainage channel that flows to a surface water body: 0.0

d - Estimated spill volume recovered from a drainage channel that flows to a surface water body: 0.0

e - Estimated spill volume discharged directly to a surface water body: 0.0

f - Estimated spill volume recovered from surface water body: 0.0

g - Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.): 800.0

h - Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up): 0.0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
0.0	800.0	0.0	800.0

3 - Did the spill discharge to a drainage channel and/or surface water? No

4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?	No
5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?	Not Applicable - Spill did not reach a separate storm drainpipe
6 - Spill Location Name:	2432-Flood out (345 & 337 El Encino Drive, Diamond Bar)
7 - Latitude of Spill Location:	34.030516597
8 - Longitude of Spill Location:	-117.80219121
9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet No. 2432 MMS No. 5061145
Spill Details:	
12 - Number Of appearance points:	1
13 - Spill appearance point:	Other sewer system structure
14 - Spill appearance point explanation:	Clean out
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Spill affected inside of two properties 337 & 345 El Encino Drive.
17 - Estimated spill start date/time:	03/02/2014 09:44
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	03/02/2014 10:10
19 - Estimated Operator arrival date/time:	03/02/2014 12:30
20 - Estimated spill end date/time:	03/02/2014 13:30
21 - Spill cause:	Other (specify below)
22 - Spill cause explanation:	Heavy roots and grease
23 - Where did failure occur:	Gravity Mainline
24 - Explanation of Where Failure Occurred:	
25 - Was this spill associated with a storm event:	No
26 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	
27 - Material of sewer pipe at the point of blockage or spill cause (if applicable):	

28 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

29 - Explanation of volume estimation methods used:

30(a) - Name and Title (Contact person who can answer specific questions about this SSO):

Robert Swartz, Senior Civil Engineer

30(b) - Contact Person Phone Number:

6263003367

Spill ID: 809250	Region: 4
Spill Location: 2390-0083 (22751 East Golden Springs Drive, Diamond Bar)	Agency: Diamond Bar City
WDID: 4SSO10382	Collection System: Diamond Bar City CS
Certifier: Nicholas A. Agbobu	Certify on: 09/18/2014

1 - Spill Type: Category 3

Version: 1.1

2 - Estimate Spill Volume:

a - Estimated spill volume that reached a separate storm drain that flows to a surface water body: 0.0

b - Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up): 0.0

c - Estimated spill volume that reached a drainage channel that flows to a surface water body: 0.0

d - Estimated spill volume recovered from a drainage channel that flows to a surface water body: 0.0

e - Estimated spill volume discharged directly to a surface water body: 0.0

f - Estimated spill volume recovered from surface water body: 0.0

g - Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.): 100.0

h - Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up): 0.0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
0.0	100.0	0.0	100.0

3 - Did the spill discharge to a drainage channel and/or surface water? No

4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?	No
5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?	Not Applicable - Spill did not reach a separate storm drainpipe
6 - Spill Location Name:	2390-0083 (22751 East Golden Springs Drive, Diamond Bar)
7 - Latitude of Spill Location:	34.014018227
8 - Longitude of Spill Location:	-117.81764724
9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet No. 2390 Manhole No. 83 MMS No. 5178339
Spill Details:	
12 - Number Of appearance points:	1
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Unpaved surface
16 - Explanation of final spill destination:	
17 - Estimated spill start date/time:	09/15/2014 10:03
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	09/15/2014 10:08
19 - Estimated Operator arrival date/time:	09/15/2014 11:00
20 - Estimated spill end date/time:	09/15/2014 11:20
21 - Spill cause:	Grease Deposition (FOG)
22 - Spill cause explanation:	
23 - Where did failure occur:	Gravity Mainline
24 - Explanation of Where Failure Occurred:	
25 - Was this spill associated with a storm event:	No
26 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	
27 - Material of sewer pipe at the point of blockage or spill cause (if applicable):	

28 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):

29 - Explanation of volume estimation methods used:

30(a) - Name and Title (Contact person who can answer specific questions about this SSO):

Robert Swartz, Senior Civil Engineer

30(b) - Contact Person Phone Number:

6263003367