

SEWER SYSTEM MANAGEMENT PLAN AUDIT YEARS 2010 and 2011

- 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).
- May 6, 2008 – Sewer System Management Plan (SSMP) adopted by the Board.
- May 6, 2010 – First SSMP Audit due and every two years thereafter, per subsection D.13.x of the WDRs and Section 10.1 of the Consolidated Sewer Maintenance District and the Marina Sewer Maintenance District (Districts) SSMP.
- December 30, 2012 – Date of SSMP Audit.

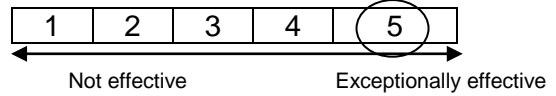
Elements of the SSMP

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

**SEWER SYSTEM MANAGEMENT PLAN AUDIT
FOR THE CONSOLIDATED SEWER MAINTENANCE DISTRICT AND
THE MARINA SEWER MAINTENANCE DISTRICT**

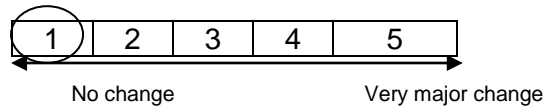
A. Goals and Objectives

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



B. Organization

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



C. Legal Authority

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

- 1) Industrial Waste Ordinance
Date 2002
- 2) County Plumbing Code
Date 2008
- 3) County Building Code
Date 2008

D. Operation and Maintenance (O&M) Program

- 1) What was the actual expenditure on each of these elements of the Districts' O&M programs for the last three fiscal years?
 - (i) New Equipment Purchase
 - (ii) Capital Improvement – (ACO) and Marina
 - (iii) Travel and Training
- 2) Expenditures/Revenues Data
 - (i) Total Budget Amount
 - (ii) Actual Expenditures on Closed-Circuit Television (CCTV)
 - (iii) Total O&M Expenditure
 - (iv) Sewer Service Charge Rates – Consolidated
 - (v) Sewer Service Charge Rates – Marina
(includes City of Los Angeles' disposal charges)

	2009-10	2010-11	2011-12
(i) New Equipment Purchase	\$1,088,582	\$2,204,329	\$1,017,529
(ii) Capital Improvement – (ACO) and Marina	\$2,867,469	\$1,930,968	\$3,161,726
(iii) Travel and Training	\$9,837	\$21,521	\$34,458
(i) Total Budget Amount	\$46,940,000	\$52,085,000	\$48,820,000
(ii) Actual Expenditures on Closed-Circuit Television (CCTV)	\$2,731,024	\$4,372,768	\$4,515,928
(iii) Total O&M Expenditure	\$26,711,684	\$29,476,378	\$28,378,489
(iv) Sewer Service Charge Rates – Consolidated	\$40.50	\$40.50	\$44.50
(v) Sewer Service Charge Rates – Marina	\$190	\$190	\$190

E. Design and Performance Provision

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

	2009-10	2010-11	2011-12
(i) Sewer Plan Check	\$161,081	\$157,844	\$182,388
(ii) Construction Management and Inspection	\$365,296	\$632,672	\$559,360
(iii) Project Design	\$420,918	\$486,729	\$268,179

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

Yes		No	✓

F. Overflow Emergency Response Plan

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

2009	2010	2011
82	95	60
90.2%	91%	80%

G. FOG Control Program

- 1) Was an annual report with FOG information published and/or mailed out to the Districts' property owners?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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- 2) What was the percentage of SSOs due to:
 - (i) FOG
 - (ii) Roots
 - (iii) Other causes

2010	2011
32%	28%
47%	48%
21%	23%

H. System Evaluation and Capacity Assurance

- 1) What is the total length (mi) of sewer line rehabilitated by lining or reconstructed?

2010	2011
10.5	6.2

- 2) What percentage of sewer lines televised was rated as being in severely deteriorated structural condition?

3.45%	1.5%
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- 3) What percentage of SSOs was due to a sewer capacity issue?

0	0
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I. Monitoring, Measurement, and Program Modifications

- 1) When was the last Audit conducted per the WDRs certified?

2009

- 2) Were any changes recommended?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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- 3) Percentage of recommended changes in the last Audit adopted.

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J. SSMP Program Audit and Certification

- 1) What was the overall effectiveness rating of the last Audit?

1	2	3	4	5
poor	fair	good	very good	excellent

- 2) What is the overall effectiveness rating of this Audit?

1	2	3	4	5
poor	fair	good	very good	excellent

K. Communication Program

List communication methods utilized in disseminating information on FOG to stakeholders with implementation dates.

✓	Method	Date Last Implemented
✓	Newsletter	2012
✓	Door Hangers	ongoing
✓	Internet	2012
✓	EPD/CSD Posters	ongoing

L. *LIST OF IDENTIFIED DEFICIENCIES AND PLANNED CORRECTIVE ACTIONS, IF ANY.

1. As stated in our last report, we are behind in meeting our goal to completely televise the entire Consolidated Sewer Maintenance District's (CSMD) sewer lines to assess the structural condition of the pipes at least once every ten years. In addition to the unexpected slow start resulting from needed training of our CCTV staff and contractors on methods and strategies, there were some unanticipated delays caused by challenges in contract execution. We are on track in completing the inspection of the CSMD's entire sewer system by increasing our annual CCTV output by an additional 75 miles each year for the next 4 years. In addition, we are currently executing only two large-scale CCTV inspection projects each year to minimize the time of processing contract documents in between contracts.
2. Of the 2,675 miles of sewers televised, to date, about 94 percent of sewer pipes are in good to excellent structural condition. Approximately two percent are found to be in poor structural condition. Twelve percent of the latter category has been repaired through our emergency repair program or by CSMD forces. The rest have been prioritized, based on degree of deterioration, and added to our list of future ACO projects.
3. There was about a 31 percent reduction in the number of SSOs (9) this period from the figure (13) reported during the previous period for the City of Rancho Palos Verdes. This could be attributed to the increased use of chemical root foaming and other programs of the CSMD.

*Based on interviews of field personnel/cities/other agencies, analysis of back-up data (enclosed), and Audit.

M. COMMENTS

1. The Districts continue to meet their set goals of reducing the number of SSOs and responding SSOs and other service calls within two hours of being notified. Districtwide, there was a total of 60 SSOs in 2011, which was a 73 percent reduction from the 226 SSOs experienced in 2007. On the average, 85 percent of the SSOs that occurred during this Audit period were responded to within 2 hours.
2. With the Countywide budgetary and the Air Quality Management District's regulatory issues of the previous Audit period resolved, the temporary delays in replacement equipment acquisitions during Fiscal Years 2007-08 and 2008-09 have been addressed. This resulted in resumption of purchasing of new and replacement of ageing equipment needed to perform work more efficiently by the Districts.

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
Nicholas Agbobu	Senior Civil Engineer	<i>Nicholas A. Agbobu</i>	12/18/12
Jeff Bouse	Senior Civil Engineer	<i>[Signature]</i>	1/3/13
Robert Swartz	Senior Civil Engineer	<i>[Signature]</i>	1-3-13
Paul Bradford	Regional Sewer Maintenance Supt.	<i>[Signature]</i>	1-8-13
John Feese	Regional Sewer Maintenance Supt.	<i>[Signature]</i>	1-8-13
Michael Garcia	Regional Sewer Maintenance Supt.	<i>[Signature]</i>	1-8-13
James Pryor	Regional Sewer Maintenance Supt.	<i>[Signature]</i>	
Mark Ramirez	Electro-Mechanic Supervisor	<i>[Signature]</i>	1/8/13

ENCLOSURE A
Yearly SSO Worksheet

YEARLY SSO WORKSHEET CSMD AND MARINA

#27

#28

#20, #27minus #28

#32 minus #31

#34 & #35

SSO #	Total Volume	Volume Captured	Volume Reaching Water of U.S. (gallons)	Response Time (hours)	*Cause of SSO						
					R	G	R/G	D	O	PS	
2010	1	150	75	75	0.75	1					
2010	2	300	100	200	0.75	1					
2010	3	20	0	0	0.17	1					
2010	4	5	0	0	1.42					1	
2010	5	600	50	550	0.42	1					
2010	6	25	15	10	0.67	1					
2010	7	900	0	0	1.17					1	
2010	8	100	0	0	0.75	1					
2010	9	1000	850	150	1.75			1			
2010	10	800	0	0	0.55		1				
2010	11	200	50	150	0.5	1					
2010	12	400	0	0	0.58	1					
2010	13	800	0	800	0.67				1		
2010	14	100	50	50	0.93		1				
2010	15	150	150	0	0.43					1	
2010	16	450	50	400	0.25				1		
2010	17	450	50	400	0.25				1		
2010	18	10	0	0	2.00	1					
2010	19	20	0	0	0.50			1			
2010	20	20	0	0	0.50			1			
2010	21	500	500	0	0.42						
2010	22	300	300	0	0.58	1					
2010	23	20	20	0	0.17		1				
2010	24	2000	1000	1000	1.80						
2010	25	1	1	0	0.63			1			
2010	26	200	0	0	1.33						1
2010	27	300	50	250	0.33						1
2010	28	200	50	150	1.33		1				
2010	29	10	0	0	1.33		1				
2010	30	100	30	70	2.33	1					
2010	31	50	50	0	1.22	1					
2010	32	50	50	0	0.00					1	
2010	33	1800	800	1000	2.22		1				
2010	34	95	0	95	0.25	1					
2010	35	50	50	50	0.17		1				
2010	36	1	0	0	2.00	1					
2010	37	100	90	10	0.92	1					
2010	38	82	20	62	1.92		1				
2010	39	50	0	0	0.92					1	
2010	40	600	300	300	2.17			1			
2010	41	80	30	50	0.50				1		
2010	42	80	30	50	0.50				1		
2010	43	200	50	150	2.00		1				
2010	44	300	0	0	2.17		1				
2010	45	700	200	500	2.17		1				
2010	46	25	25	0	0.58	1					
2010	47	1000	0	0	1.50		1				
2010	48	100	90	10	0.92		1				

YEARLY SSO WORKSHEET CSMD AND MARINA

SSO #	Total Volume	Volume Captured	Volume Reaching Water of U.S. (gallons)	Response Time (hours)	*Cause of SSO						
					R	G	R/G	D	O	PS	
2010	49	900	800	100		1					
2010	50	500	100	400			1				
2010	51	300	200	100	1						
2010	52	500	300	200		1					
2010	53	200	200	0	1						
2010	54	200	100	100	1						
2010	55	50	50	0					1		
2010	56	10	10	0	1						
2010	57	40	0	0					1		
2010	58	100	50	50			1				
2010	59	300	300	0		1					
2010	60	5	5	0		1					
2010	61	200	0	0	1						
2010	62	3000	0	3000					1		
2010	63	1000	300	700					1		
2010	64	800	200	600	1						
2010	65	200	100	100	1						
2010	66	1000	0	1000					1		
2010	67	400	100	300	1						
2010	68	500	100	400	1						
2010	69	100	50	50		1					
2010	70	10	10	0					1		
2010	71	200	150	50	1						
2010	72	500	0	500					1		
2010	73	200	200	0	1						
2010	74	10	10	0		1					
2010	75	500	100	400			1				
2010	76	10	0	10			1				
2010	77	50	0	50	1						
2010	78	50	25	25			1				
2010	79	8000	0	8000					1		
2010	80	240	0	0					1		
2010	81	100	75	25					1		
2010	82	100	0	100	1						
2010	83	40	40	0	1						
2010	84	50	0	50					1		
2010	85	175	175	0					1		
2010	86	200	0	200		1			1		
2010	87	50	5	45					1		
2010	88	400	300	100	1						
2010	89	300	100	200	1						
2010	90	300	100	200	1						
2010	91	100	0	100	1						
2010	92	1500	0	1500					1		
2010	93	600	200	400					1		
2010	94	35	0	0					1		
2010	95	50	0	0	1						
TOTAL	95	39,569	9,631	25,587	101.38	35	20	10	5	22	2

YEARLY SSO WORKSHEET CSMD AND MARINA

SSO #	Total Volume	Volume Captured	Volume Reaching Water of U.S. (gallons)	Response Time (hours)	*Cause of SSO					
					R	G	R/G	D	O	PS
2011	1	50	40	10		1				
2011	2	30	25	0	1					
2011	3	30	25	0	1					
2011	4	150	75	75	1.22				1	
2011	5	20	0	0	0.67	1				
2011	6	200	0	200	1.41				1	
2011	7	200	0	200	0.42		1			
2011	8	600	200	400	1.4		1			
2011	9	25	10	15	0.67				1	
2011	10	150	20	130	1.75	1				
2011	11	100	98	0	0.5		1			
2011	12	800	100	0	1.33	1				
2011	13	10	5	0	0.33		1			
2011	14	200	100	0	0.85	1				
2011	15	120	20	100	1.55	1				
2011	16	3000	300	2700	2.13				1	
2011	17	100	0	100	0.25				1	
2011	18	1100	500	600	0.85				1	
2011	19	700	700	0	1.17		1			
2011	20	25	0	0	0.83	1				
2011	21	600	0	600	0.17		1			
2011	22	75	2	73	0.08	1				
2011	23	200	0	20	0.77	1				
2011	24	300	50	250	0.78			1		
2011	25	100	15	85	0.58			1		
2011	26	4200	0	4200	0.82			1		
2011	27	100	50	50	1.67		1			
2011	28	150	50	100	0.12				1	
2011	29	100	0	0	1.5	1				
2011	30	300	15	0	0.25		1			
2011	31	300	10	290	0.5		1			
2011	32	10	0	0	2				1	
2011	33	100	50	50	2.08	1				
2011	34	25	25	0	0.25	1				
2011	35	50	5	45	1.47				1	
2011	36	50	50	0	0.5	1				
2011	37	10	0	10	1.67				1	
2011	38	200	100	100	1.5	1				
2011	39	800	0	0	2	1				
2011	40	1800	500	1300	1.42	1				
2011	41	300	0	300	0.83	1				
2011	42	200	0	0	1.17				1	
2011	43	700	0	0	1.25	1				
2011	44	50	0	50	0.37				1	
2011	45	200	0	0	0.25				1	
2011	46	100	100	0	1.08	1				
2011	47	15	15	0	0.65		1			
2011	48	100	5	0	0.33				1	
2011	49	5	3	0	1	1				
2011	50	200	0	100	1.58	1				

YEARLY SSO WORKSHEET CSMD AND MARINA

SSO #	Total Volume	Volume Captured	Volume Reaching Water of U.S. (gallons)	Response Time (hours)	*Cause of SSO					
					R	G	R/G	D	O	PS
2011 51	460	0	460	0.33					1	
2011 52	10	2	8	0.25	1					
2011 53	50	50	0	1.97		1				
2011 54	150	150	0	2.75					1	
2011 55	50	10	0	0.5			1			
2011 56	100	0	100	2.27	1					
2011 57	1200	800	400	1.4		1				
2011 58	200	0	200	1.5	1					
2011 59	600	0	0	0.58					1	
2011 60	10000	5000	5000	0.58					1	
TOTAL 60	31,770	9,275	18,321	63.06	25	13	4	0	18	0

*Cause of SSO

R - Roots

G - Grease

R/G - Roots and Grease

D - Debris

O - Others

PS - Pumpstation failure

ENCLOSURE B
Performance Measures Worksheet

PERFORMANCE MEASURES
Overflow Prevention/Collection System Maintenance
Consolidated and Marina

Performance Indicator		2010	2011
Input			
1	Total number of pump stations condition assessment scheduled	10.00	10.00
2	Total miles of scheduled CCTV	582.15	380.73
3	Total miles of scheduled periodic cleaning	1,022.33	1,042.55
4	Total miles of scheduled cleaning (period & contract CCTV)	1,604.48	1,423.28
5	Total number of pump stations scheduled inspection	16,120	16,120
6	Total number of scheduled manhole inspection	207,076	207,612
Workload/Output			
7	Total number of SSO responded to in 12-month period *	95	60
8	Total volume of SSO	39,569	31,770
9	Total SSO response time	101.38	63.06
10	Total miles of sewer line maintained	4,587	4,593
11	Total miles of scheduled periodic completed	1,073.32	1,183.77
12	Total number of pump stations maintained	155	155
13	Total number of pump stations inspection completed	14,943	14,731
14	Total number of manhole inspections completed	191,808	208,192
15	Total SSO> 1,000 gallons responded to	5	7
16	Total FOG related SSOs responded to	30	17
17	Total root related SSOs responded to	45	29
18	Total SSOs due to other causes (debris, vandalism, etc)	22	18
19	Total number of capacity related SSOs	0	0
20	Total number of SSOs due to pump station malfunction	3	1
21	Number of SSOs responded to within 2-hours or less	86	48
22	Total miles of scheduled CCTV completed	582.15	380.73
23	Total miles of scheduled cleaning completed	1,655.47	1,564.50
24	Total miles of CCTV completed (including contract CCTV)	597.99	405.22
25	Number of pump stations condition assessment completed	10	10
26	Total miles of sewer line cleaned (all including contract CCTV)	2,551.87	2,365.18
27	Total numbers of service request responded to	548	480
Efficiency			
28	Number of SSOs per 100 miles of sewer lines	2.10	1.30
29	Volume of SSO captured	9,631	9,275
30	Number of SSOs that reached waters of the United States	57	34
31	Average response time per SSO	1.07	1.05
32	Average number of SSOs per pump station	0.02	0.01
Effectiveness/Outcome			
33	Percentage of SSOs> 1,000 gallons	5.26%	11.67%
34	Percentage of SSO captured	24.34%	29.19%
35	Percentage of SSOs due to FOG	31.58%	28.33%
36	Percentage of SSOs due to roots	47.37%	48.33%
37	Percentage of SSOs due to other causes	21.05%	23.33%
38	Percentage of SSOs that reached waters of the United States	60.00%	56.67%
39	Percentage of SSOs with response time 2-hours or less	90.53%	80.00%
40	Percentage of manhole inspection completed	92.63%	100.28%
41	Percentage of scheduled CCTV completed	100.00%	100.00%
42	Percentage of pump stations condition assessment completed	100.00%	100.00%
43	Percentage of pump stations inspection completed	92.70%	91.38%
44	Percentage of schedule cleaning completed **	103.18%	109.92%
45	SSOs from house laterals not related to mainline sewer problems	5	30

* Not including SSOs from house laterals

**All scheduled periodics were completed. the higher than 100% completion rate recorded could be attributed to the different sewer segment length determination methods used by field staff and the office Engineers (GIS).

ENCLOSURE C
MMS Periodic Report Summary

CSMD Periodics for Year 2010

City	Scheduled (Ft)
AGOORA HILLS	22,748
ARTESIA	91,033
BALDWIN PARK	97,466
BELL GARDENS	81,266
BELLFLOWER	232,754
BRADBURY	
CALABASAS	62,674
CARSON	199,460
COMMERCE	36,207
CUDAHY	55,891
DIAMOND BAR	61,076
DUARTE	143,297
GLENDORA	176,640
HAWAIIAN GARDENS	89,895
HIDDEN HILLS	44,695
INDUSTRY	62,225
IRWINDALE	24,378
LA CANADA FLINTRIDGE	18,347
LA HABRA HEIGHTS	
LA MIRADA	70,959
LAKEWOOD	201,931
LAWNDALE	83,875
LOMITA	81,213
MALIBU	7,746
PALMDALE	
PALOS VERDES ESTATES	237,616
PARAMOUNT	134,742
PICO RIVERA	141,789
RANCHO PALOS VERDES	263,564
ROLLING HILLS	
ROLLING HILLS ESTATES	96,913
ROSEMEAD	118,099
SAN DIMAS	60,479
SANTA CLARITA	242,044
SANTA FE SPRINGS	38,525
SOUTH EL MONTE	37,197
TEMPLE CITY	102,155

CSMD Periodics for Year 2010

City	Scheduled (Ft)
UNINCORPORATED AREA	1,770,782
WALNUT	21,886
WEST HOLLYWOOD	152,314
WESTLAKE VILLAGE	34,045
Grand Total:	5,397,926

CSMD Periodics for Year 2011

City	Scheduled (Ft)
AGOURA HILLS	23,018
ARTESIA	88,897
BALDWIN PARK	97,626
BELL GARDENS	77,667
BELLFLOWER	232,007
BRADBURY	
CALABASAS	62,674
CARSON	193,579
COMMERCE	38,897
CUDAHY	55,891
DIAMOND BAR	61,480
DUARTE	145,225
GLENDORA	176,640
HAWAIIAN GARDENS	87,438
HIDDEN HILLS	44,695
INDUSTRY	62,225
IRWINDALE	24,378
LA CANADA FLINTRIDGE	18,347
LA HABRA HEIGHTS	
LA MIRADA	68,981
LAKEWOOD	248,637
LAWNDALE	83,875
LOMITA	82,792
MALIBU	7,746
PALMDALE	
PALOS VERDES ESTATES	236,165
PARAMOUNT	133,008
PICO RIVERA	139,457
RANCHO PALOS VERDES	285,735
ROLLING HILLS	
ROLLING HILLS ESTATES	103,468
ROSEMEAD	118,099
SAN DIMAS	62,150
SANTA CLARITA	242,144
SANTA FE SPRINGS	37,824
SOUTH EL MONTE	38,877
TEMPLE CITY	103,076

CSMD Periodics for Year 2011

City	Scheduled (Ft)
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UNINCORPORATED AREA	1,815,377
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WALNUT	20,260
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WEST HOLLYWOOD	151,279
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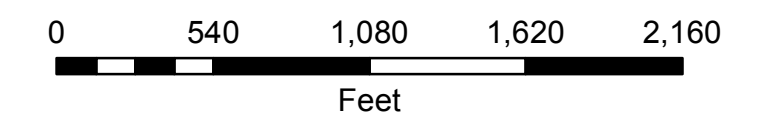
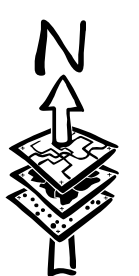
WESTLAKE VILLAGE	35,005
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Grand Total:	5,504,639
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ENCLOSURE D
Maintenance Maps - Periodics

MAINTENANCE MAP PERIODICS

Unincorporated County Area
CSMD Aneta Zone
City Hyperian
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

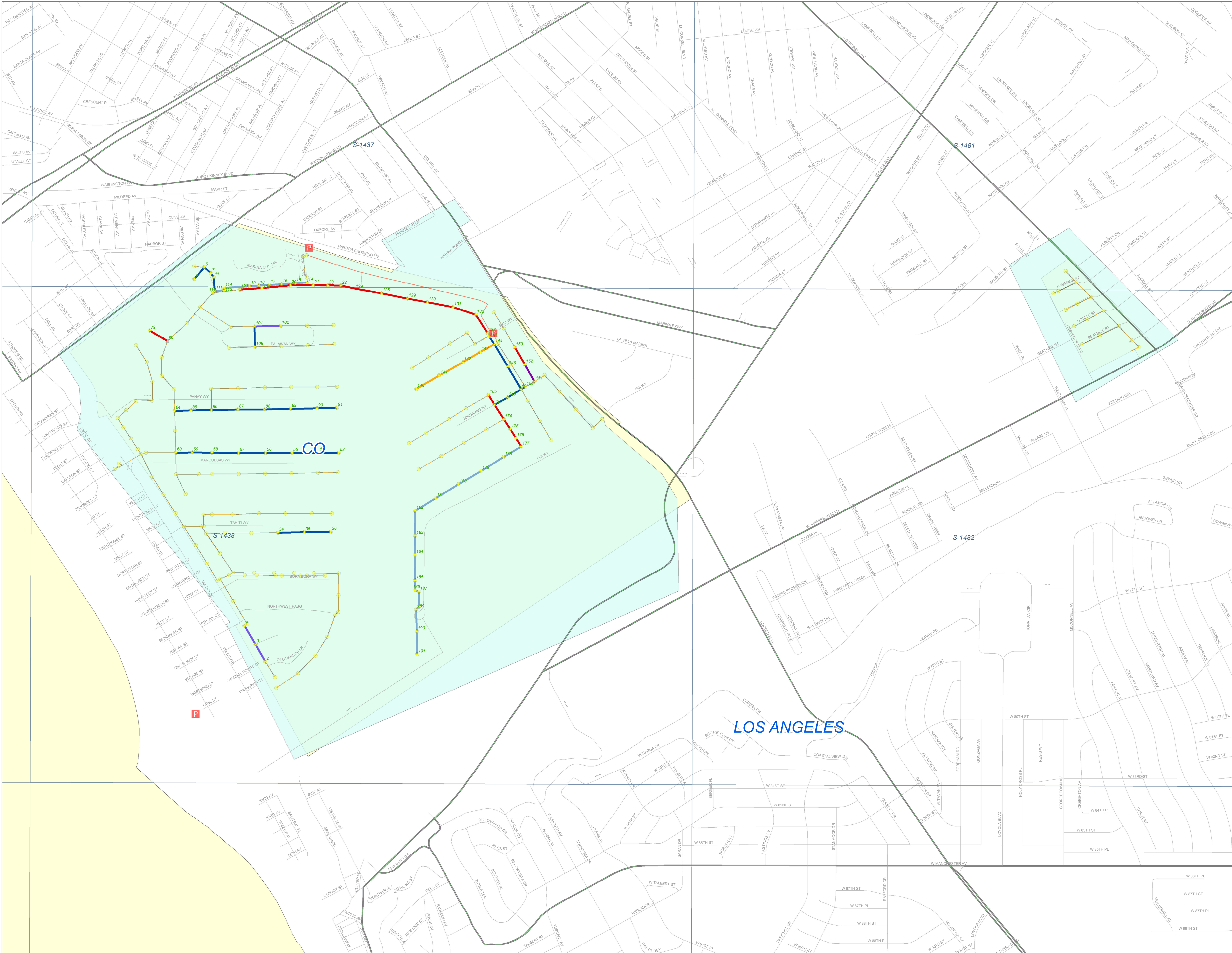
SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

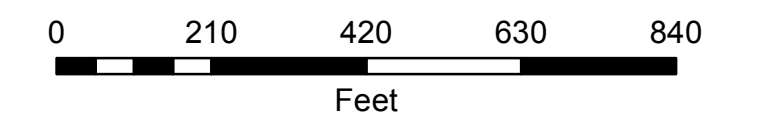
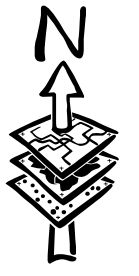
- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
- Trancas Zone of the CSMD
- Uninc. County Area Aneta Zone of the CSMD/City Hyperian
- Uninc. County Area CSMD North/County Sanitation District
- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

- ### City
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MAINTENANCE MAP PERIODICS

CSMD - Lake Hughe Zone
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

SMD Sewers

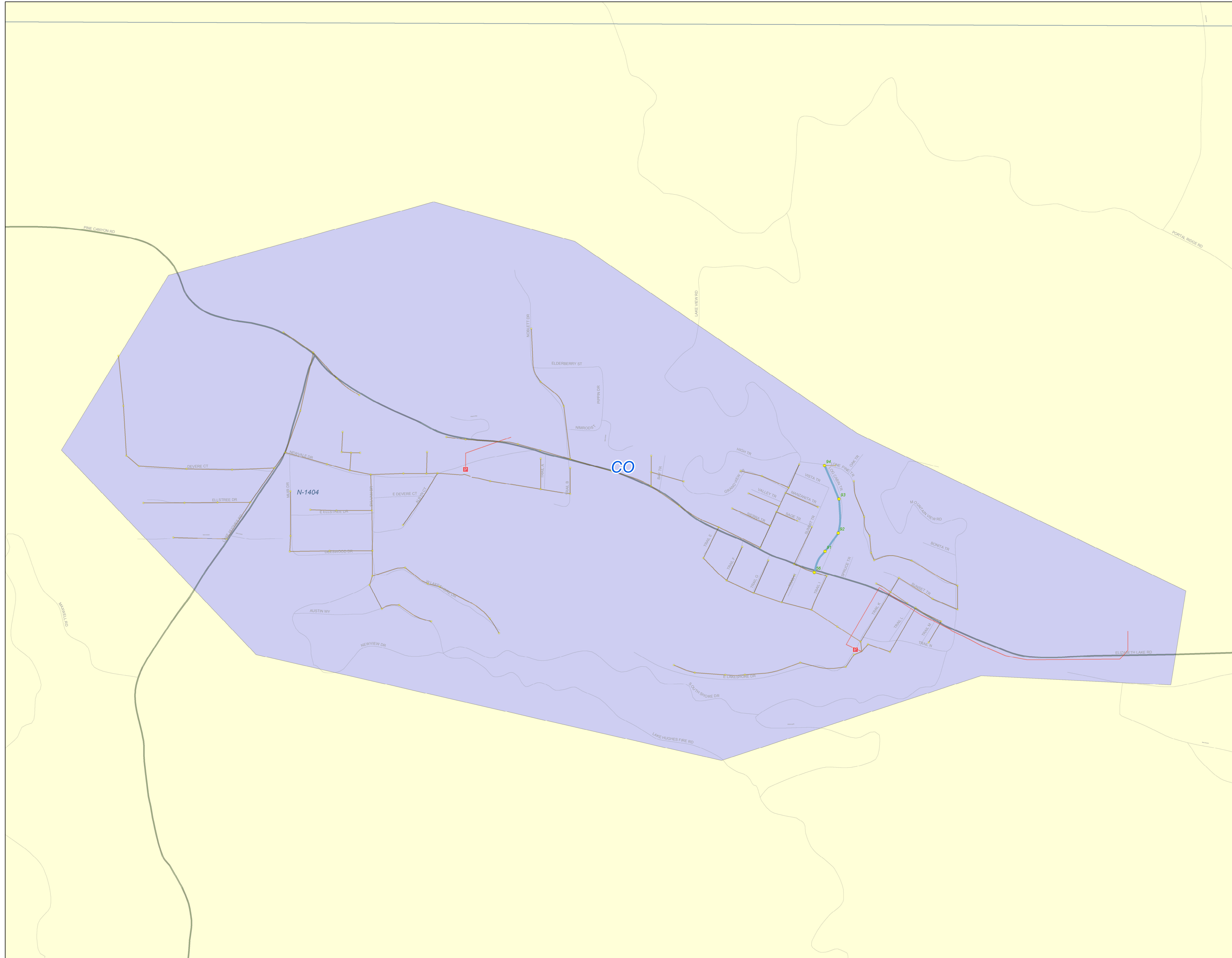
- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
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- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

City

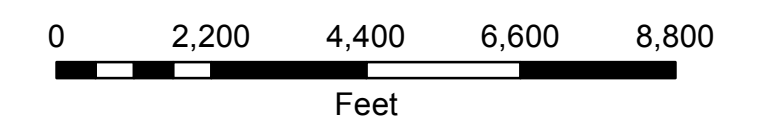
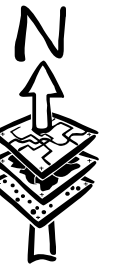
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MAINTENANCE MAP PERIODICS

Unincorporated County Area
CSMD / Las Virgenes Tapia

SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

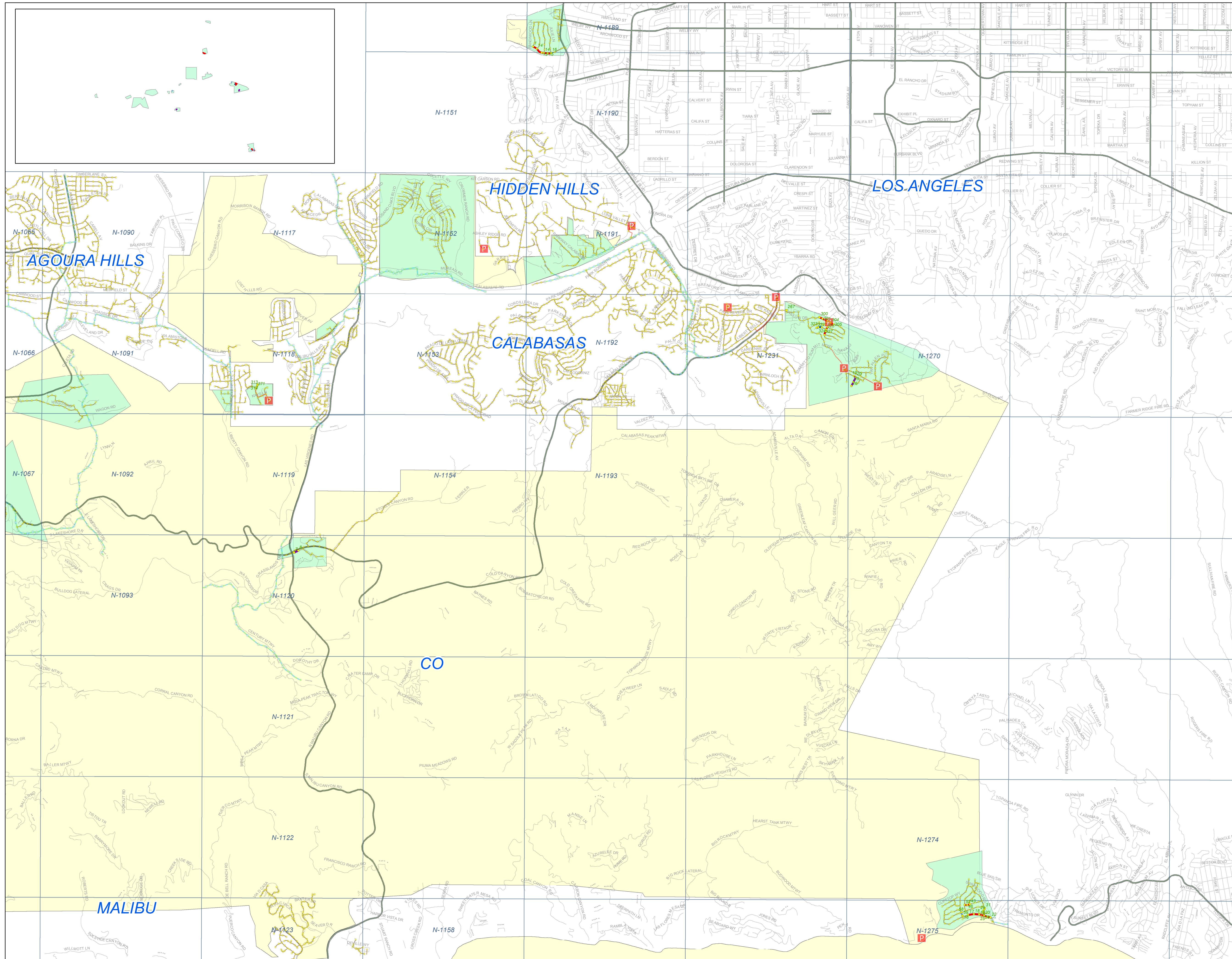
SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

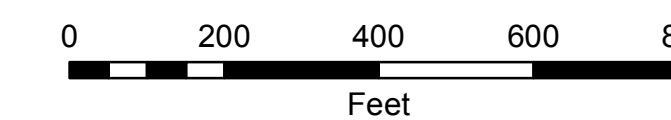
- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
- Trancas Zone of the CSMD
- Uninc. County Area Aneta Zone of the CSMD/City Hyperlan
- Uninc. County Area CSMD North/County Sanitation District
- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughes Zone of the CSMD

- ### City
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MAINTENANCE MAP PERIODICS

CSMD - Malibu Mesa Zone
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

SMD Sewers

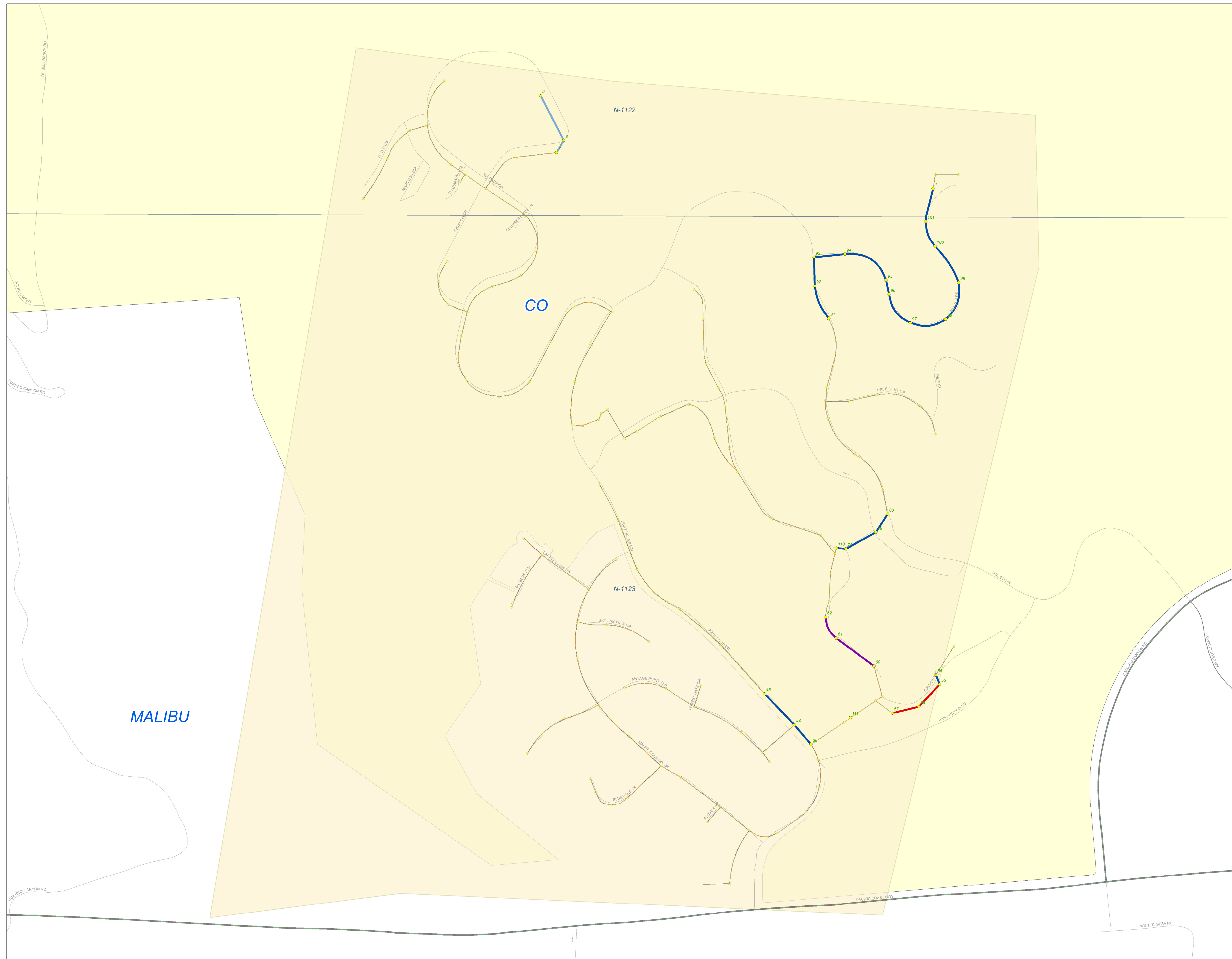
- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
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- Uninc. County Area CSMD North/County Sanitation District
- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

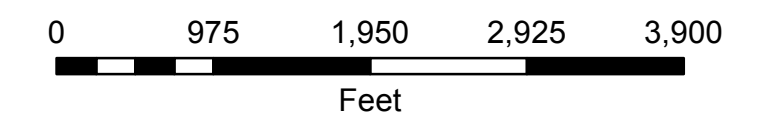
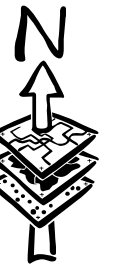
City

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MAINTENANCE MAP PERIODICS

Unincorporated County Area
CSMD North
County Sanitation District
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

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

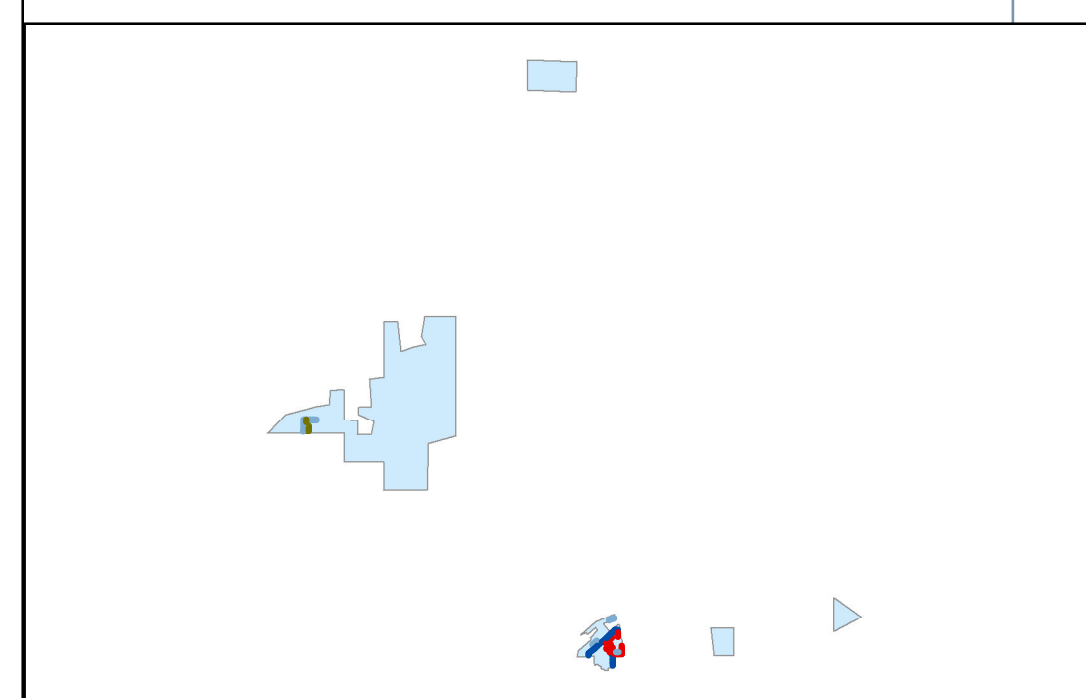
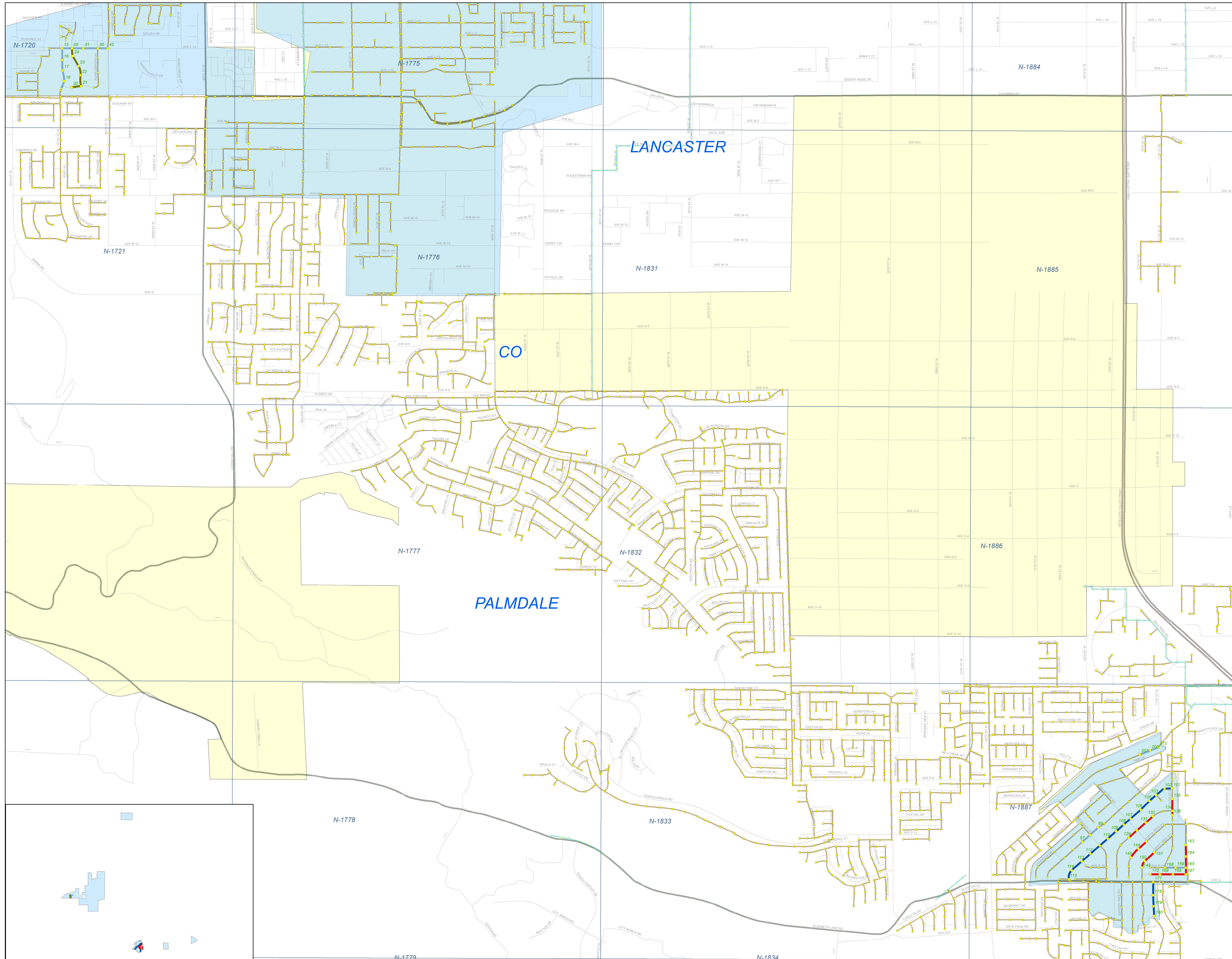
SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

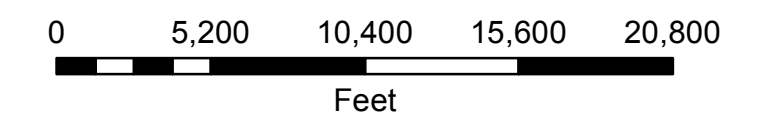
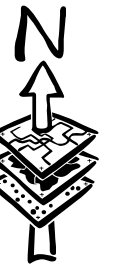
- Malibu Mesa Zone of the CSMD
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- Trancas Zone of the CSMD
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- Uninc. County Area CSMD North/County Sanitation District
- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

- ### City
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MAINTENANCE MAP PERIODICS

Unincorporated County Area
CSMD NW
County Sanitation District
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

SMD Sewers

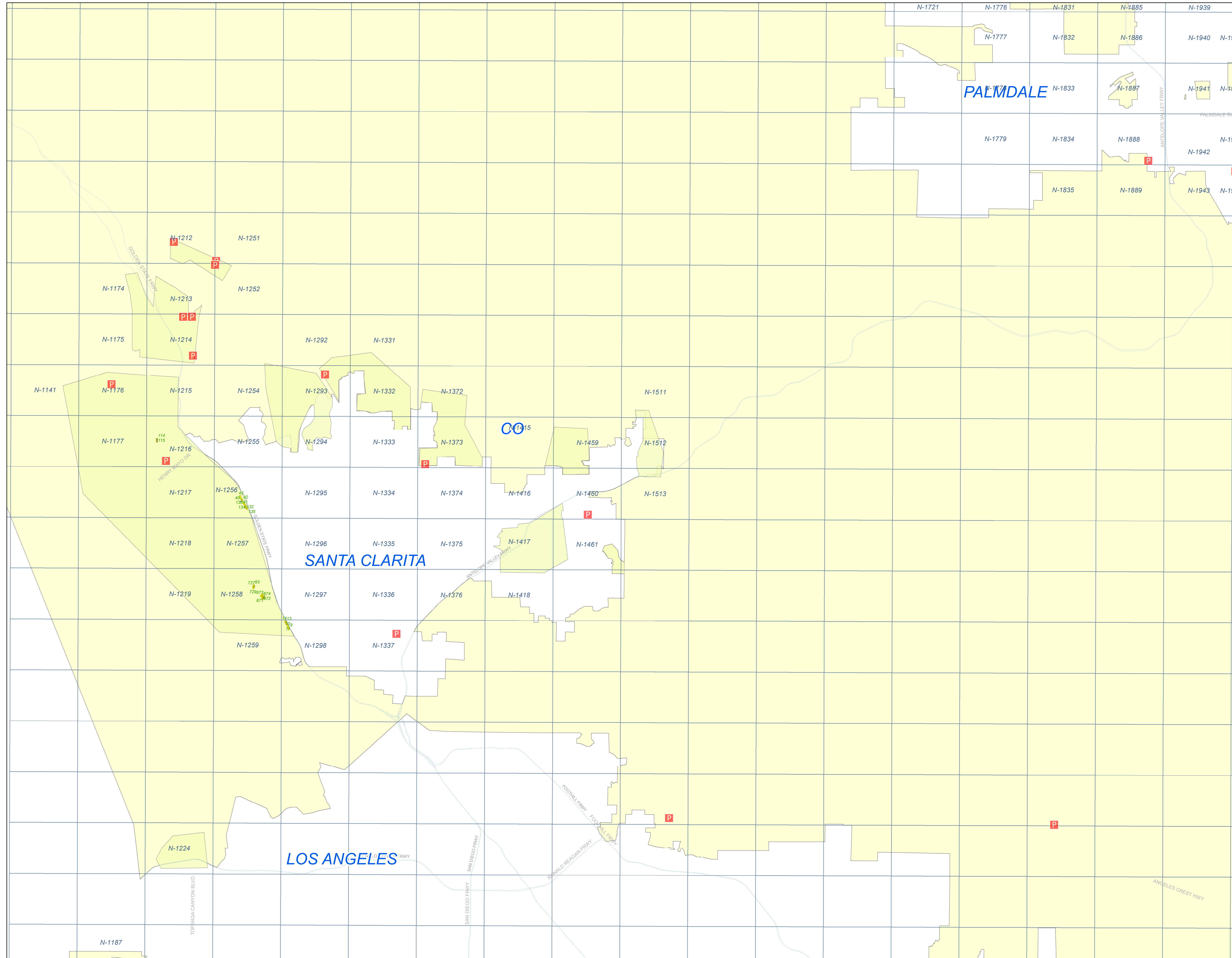
- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
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- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

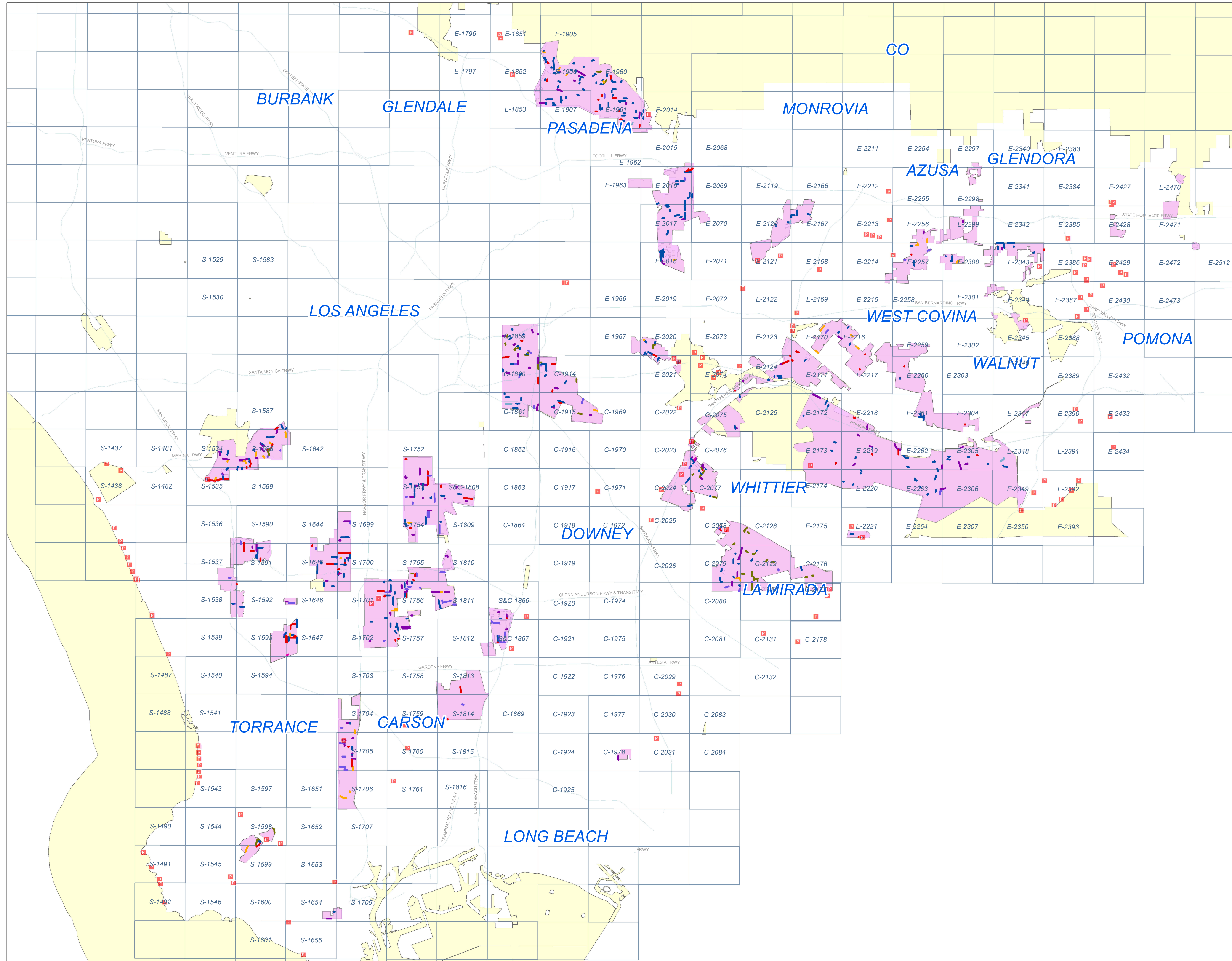
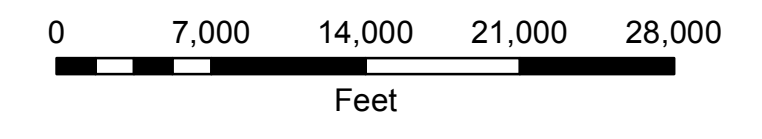
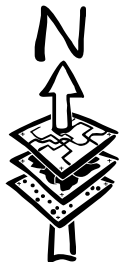
City

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MAINTENANCE MAP PERIODICS

Unincorporated County Area
CSMD South
County Sanitation District
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

SMD Sewers

- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

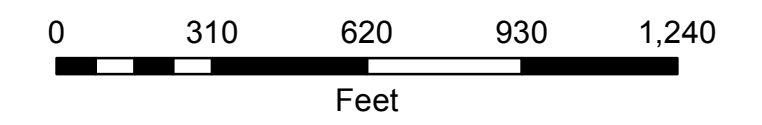
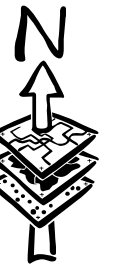
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- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughe Zone of the CSMD

City

- 1
- 2
- 3
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MAINTENANCE MAP PERIODICS

CSMD - Trancas Zone
SUPERVISORIAL DISTRICT



Legend

Periodics

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

SMD Manholes

- Standard
- DROP
- Shallow
- Trap
- Siphon
- SMD Pump Stations
- SMD Trunk MH

SMD Sewers

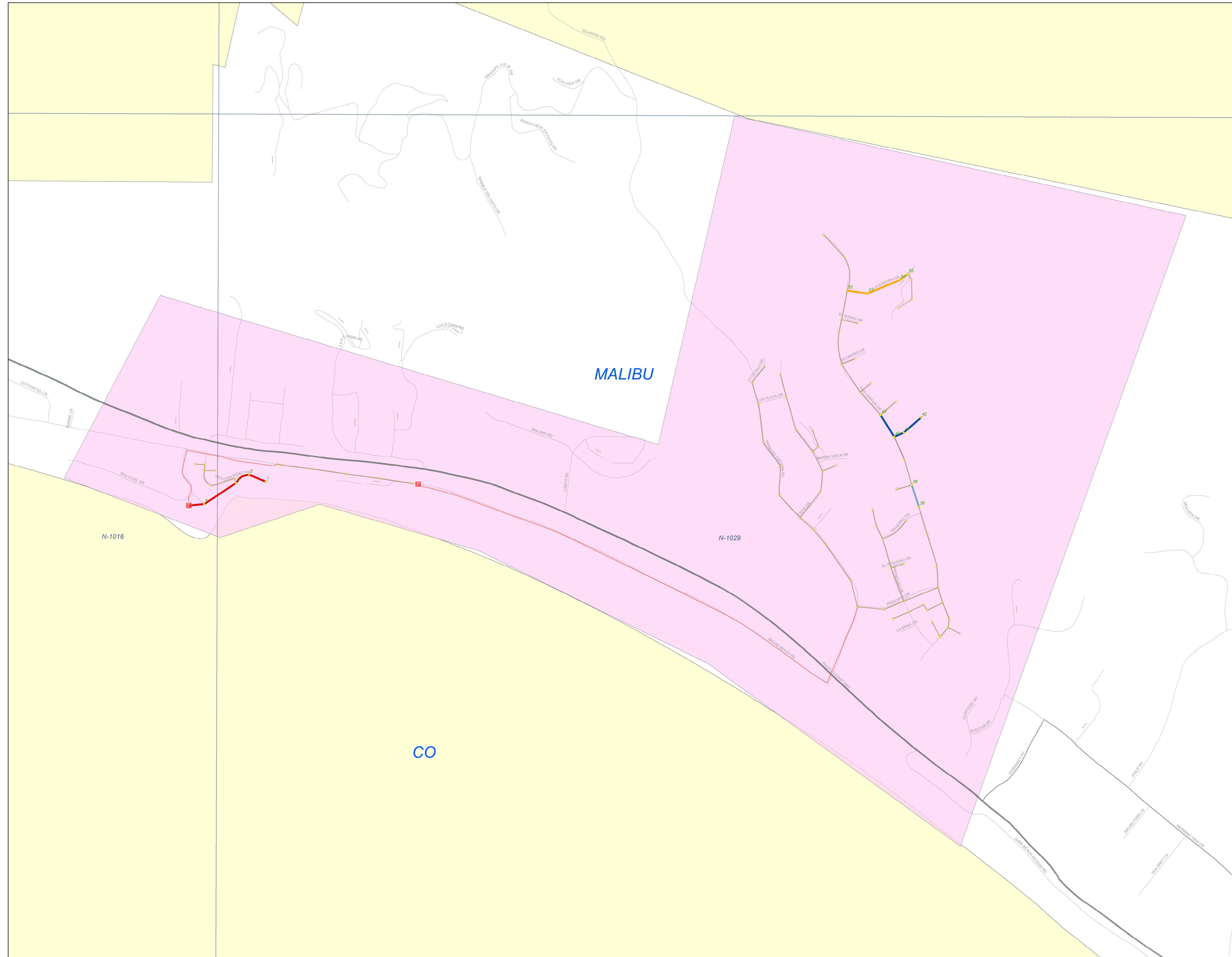
- Gravity Sewers
- Force Mains
- Siphons
- SMD Trunks
- SMD Operations Maps

SSMP

- Malibu Mesa Zone of the CSMD
- Malibu Zone of the CSMD
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- Uninc. County Area CSMD South/County Sanitation District
- Uninc. County Area CSMD-NW/County Sanitation District
- Uninc. County Area CSMD/Las Virgenes Tapia
- Uninc. County Area Lake Hughes Zone of the CSMD

City

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ENCLOSURE E

Pump Station Condition Assessment
Schedule/Completion

Pump stations Condition Assessment Work Scheduled and Completed

	Cities	2007		2008		2009		2010		2011		2012	
		Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed
1	Agoura Hills											1	
2	Artesia									2	2		
3	Baldwin Park							1	1				
4	Bellflower												
5	Bell Garden												
6	Bradbury												
7	Calabasas							2	2				
8	Carson							1	1			1	
9	Commerce												
10	Cudahy												
11	Diamond Bar							2	2	1	1	2	
12	Duarte												
13	Glendora												
14	Hawaiian Gardens												
15	Hidden Hills												
16	Industry												
17	Irwindale*												
18	La Canada-Flintridge												
19	La Habra Heights									1	1		
20	La Mirada											2	
21	Lakewood												
22	Lawndale												
23	Lomita												
24	Malibu												
25	Palos Verdes Estates												
26	Paramount												
27	Pico Rivera									1	1		
28	Rancho Palos Verdes							1	1			1	
29	Rolling Hills											1	
30	Rolling Hills Estates											1	
31	Rosemead									1	1		

Pump stations Condition Assessment Work Scheduled and Completed

	Cities	2007		2008		2009		2010		2011		2012	
		Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed	Scheduled	Completed
32	San Dimas	X	X	X	X	X	X	1	1	1	1		
33	Santa Clarita	X	X	X	X	X	X			1	1		
34	Santa Fe Springs	X	X	X	X	X	X						
35	South El Monte	X	X	X	X	X	X						
36	Temple City	X	X	X	X	X	X						
37	Walnut	X	X	X	X	X	X						
38	West Hollywood*	X	X	X	X	X	X						
39	Westlake Village	X	X	X	X	X	X						
40	Unincorporated	X	X	X	X	X	X	2	2	2	2	1	
TOTAL		X	X	X	X	X	X	10	10	10	10	10	

ENCLOSURE F
CCTV Inspection Reports and
ACO Projects by City

**SEWER CONDITION ASSESSMENT
ACCUMMULATIVE CAPITAL OUTLAY PROJECTS BY CITY**

	CITY	Length of Sewer Lines Rehabilitated (feet)				
		2007	2008	2009	2010	2011
1	Agoura Hills				406	'(1) Pump Station
2	Artesia					
3	Baldwin Park					
4	Bell Gardens					
5	Bellflower					
6	Bradbury					
7	Calabasas				388	
8	Carson					
9	Commerce					
10	Cudahy					
11	Diamond Bar					
12	Duarte				457	
13	Glendora				1,246	559
14	Hawaiian Gardens				650	
15	Hidden Hills					
16	Industry					655
17	La Canada Flintridge				278	
18	La Habra Heights					
19	La Mirada				2,958	
20	Lakewood					
21	Lawndale				2827	
22	Lomita					
23	Malibu					
24	Palos Verdes Estates				321	900
25	Paramount					
26	Pico Rivera					12,291
27	Rancho Palos Verdes				3,273, (1) Pump Station	5,426
28	Rolling Hills					
29	Rolling Hills Estates					
30	Rosemead					
31	San Dimas				310	
32	Santa Clarita					
33	Santa Fe Springs					
34	South El Monte					

**SEWER CONDITION ASSESSMENT
ACCUMMULATIVE CAPITAL OUTLAY PROJECTS BY CITY**

	CITY	Length of Sewer Lines Rehabilitated (feet)				
		2007	2008	2009	2010	2011
35	Temple City					
36	Walnut					
37	Westlake Village					
38	Irwindale					
39	West Hollywood					
40	Unincorporated Areas				43,218	12,976
41	Marina del Rey				0	(1) Air Scrubber Installation

**SEWER CONDITION ASSESSMENT
CCTV INSPECTION REPORTS BY CITY**

	City	Miles Scheduled and Completed													
		2008			2009			2010			Miles significantly defective	2011			Miles significantly defective
		Scheduled	Completed	% Significant Defects (Rated 5)	Scheduled	Completed	% Significant Defects (Rated 5)	Scheduled	Completed	% Significant Defects (Rated 5)		Scheduled	Completed	% Significant Defects (Rated 5)	
1	Agoura Hills							29.79	29.79	0.8	2.4				
2	Artesia	31.51	31.51	1.6											
3	Baldwin Park	55.25	55.25	0.5											
4	Bell Gardens	18.43	18.43	2.1				21.09	21.09	4.4	.93				
5	Bellflower	30.87	30.87	2.5											
6	Bradbury														
7	Calabasas														
8	Carson				37.83	37.83	2.1	42.39	42.39	1.4	.59				
9	Commerce	22.21	22.21	1.2								10.36	10.36	1.9	.20
10	Cudahy							14.12	14.12	5.6	.79				
11	Diamond Bar							21.44	21.44	1.8	.39	19.34	19.34	2.0	.39
12	Duarte														
13	Glendora				57.14	57.14	2.5					31.70	31.70	1.0	.317
14	Hawaiian Gardens	15.97	15.97	2.8											
15	Hidden Hills														
16	Industry							13.64	13.64	3.27	.45				
17	La Canada Flintridge							15.43	15.43	2.2	.34				
18	La Habra Heights											2.14	2.14	0.0	0
19	La Mirada														
20	Lakewood	53.04	53.04	1.3								58.23	58.23	3.5	.07
21	Lawndale														
22	Lomita														
23	Malibu														
24	Palos Verdes Estates				21.81	21.81	1.4								
25	Paramount	20.91	20.91	2.3											
26	Pico Rivera							29.66	29.66	1.3	.39	23.49	23.49	4.0	.94
27	Rancho Palos Verdes				5.92	5.92	3.0	50.51	50.51	6.2	3.13				
28	Rolling Hills														
29	Rolling Hills Estates				19.35	19.35	1.9	3.02	3.02	1.1	.03				
30	Rosemead	78.68	78.68	1.8											

**SEWER CONDITION ASSESSMENT
CCTV INSPECTION REPORTS BY CITY**

	City	Miles Scheduled and Completed													
		2008			2009			2010			Miles significantly defective	2011			Miles significantly defective
		Scheduled	Completed	% Significant Defects (Rated 5)	Scheduled	Completed	% Significant Defects (Rated 5)	Scheduled	Completed	% Significant Defects (Rated 5)		Scheduled	Completed	% Significant Defects (Rated 5)	
31	San Dimas				2.51	2.51	0.9								
32	Santa Clarita							44.01	44.01	1.5	.66				
33	Santa Fe Springs							24.00	24.00	1.5	.36	31.09	31.09	3.2	.99
34	South El Monte							36.53	36.53	1.2	.44				
35	Temple City	33.38	33.38	1.4								43.81	43.81	0.0	0
36	Walnut							34.65	34.65	1.4	.49				
37	Westlake Village							28.84	28.84	1.7	.49				
38	Irwindale											10.80	10.80	2.22	.24
39	West Hollywood														
40	County Unincorporated							173.03	173.03	4.78	8.27	149.77	149.77	1.64	2.46
	TOTAL							582.15	582.15	3.46%	20.15	380.73	380.73	1.5%	5.607

ENCLOSURE G
SMD Productivity Report

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM DIVISION REPORT
(Org Nos. 494XXX)**

Period from 1/1/2010 thru 12/31/2010

SUMMARY FOR ALL YARDS

	TOTAL	CONSOLIDATED	MARINA	IRWINDALE	WEST HOLLYWOOD	OTHER
LENGTH OF SEWER CLEANED (FT)						
HYDRO						
Periodic Cleaning:	2,679,930	2,047,347	121,923	1,600	116,416	392,644
Internal Requested Cleaning:	2,732,039	2,271,951	16,886	0	48,435	394,767
External Service Request Cleaning:	142,552	110,079	4,060	0	9,588	18,825
Contract - Cleaning:	0	0	0	0	0	0
Total Hydro Cleaning:	5,554,521	4,429,377	142,869	1,600	174,439	806,236
RODDER						
Periodic Cleaning:	2,987,175	2,515,438	3,850	5,450	36,674	425,763
Requested Cleaning:	1,662,494	1,307,142	0	0	7,620	347,732
Service Request Cleaning:	65,285	45,354	700	0	0	18,879
Total Rodder Cleaning:	4,714,954	3,867,934	4,550	5,450	44,294	792,374
SIPHONS (EA)						
Periodic Cleaning:	1,601	1,472	0	0	0	129
FLOW MEASUREMENT (EA)						
Flow Measurements:	1	0	0	0	0	1
MANHOLES (EA)						
Tested for Gas:	321,030	232,941	1,018	32	3,166	83,873
Inspected:	185,087	140,603	346	0	1,700	42,438
Adjusted:	1,180	1,007	0	0	9	164
Reconstructed:	144	138	2	0	3	1
PEST CONTROL (EA)						
Manholes Dusted for Roaches:	6,577	6,435	0	0	0	142
Manholes Baited for Rats:	144	144	0	0	0	0
Contract - Manholes Dusted:	0	0	0	0	0	0
ROOT CONTROL						
Feet Treated for Roots - (In-House):	69,081	69,081	0	0	0	0
Feet Treated for Roots - (Contract):	0	0	0	0	0	0
CONSTRUCTION						
Saddles Installed (EA):	43	32	2	0	0	9
Sewer Point Repairs (EA):	11	9	0	0	0	2
TELEVISION						
Sewer Televised (FT):	130,643	105,973	1,322	0	7,379	15,969
Lost Laterals (EA):	0	0	0	0	0	0
Contracted - Sewer Televised (FT):	0	0	0	0	0	0
SERVICE REQUESTS (EA)						
Referrals:	23	22	0	0	1	0
False Alarms:	633	551	4	0	17	61
Other:	525	417	4	0	16	88
Total Service Requests:	1,181	990	8	0	34	149
OVERFLOWS (EA)						
Overflows:	29	21	0	0	0	8

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM DIVISION REPORT
(Org Nos. 494XXX)**

Period from 1/1/2011 thru 12/31/2011

SUMMARY FOR ALL YARDS

	TOTAL	CONSOLIDATED	MARINA	IRWINDALE	WEST HOLLYWOOD	OTHER
LENGTH OF SEWER CLEANED (FT)						
HYDRO						
Periodic Cleaning:	2,914,715	2,267,843	153,903	3,149	130,299	359,521
Internal Requested Cleaning:	2,452,061	1,920,066	1,850	4,574	25,754	499,817
External Service Request Cleaning:	100,955	69,617	1,997	0	3,560	25,781
Contract - Cleaning:	0	0	0	0	0	0
Total Hydro Cleaning:	5,467,731	4,257,526	157,750	7,723	159,613	885,119
RODDER						
Periodic Cleaning:	3,335,565	2,904,910	4,434	7,544	27,439	391,238
Requested Cleaning:	1,522,756	1,176,028	0	3,100	5,881	337,747
Service Request Cleaning:	68,181	54,295	0	0	0	13,786
Total Rodder Cleaning:	4,926,502	4,135,233	4,434	10,644	33,320	742,771
SIPHONS (EA)						
Periodic Cleaning:	1,647	1,598	0	0	0	49
FLOW MEASUREMENT (EA)						
Flow Measurements:	0	0	0	0	0	0
MANHOLES (EA)						
Tested for Gas:	290,537	208,800	1,088	94	3,146	77,409
Inspected:	198,623	140,599	395	0	1,247	56,382
Adjusted:	996	896	0	1	4	95
Reconstructed:	40	39	0	0	0	1
PEST CONTROL (EA)						
Manholes Dusted for Roaches:	9,569	9,159	0	92	0	318
Manholes Baited for Rats:	0	0	0	0	0	0
Contract - Manholes Dusted:	0	0	0	0	0	0
ROOT CONTROL						
Feet Treated for Roots - (In-House):	165,500	164,700	0	0	0	800
Feet Treated for Roots - (Contract):	2,295	2,295	0	0	0	0
CONSTRUCTION						
Saddles Installed (EA):	58	17	0	0	0	41
Sewer Point Repairs (EA):	8	8	0	0	0	0
TELEVISION						
Sewer Televised (FT):	83,646	65,831	0	0	942	16,872
Lost Laterals (EA):	0	0	0	0	0	0
Contracted - Sewer Televised (FT):	0	0	0	0	0	0
SERVICE REQUESTS (EA)						
Referrals:	8	8	0	0	0	0
False Alarms:	514	442	0	0	11	61
Other:	472	380	3	0	14	75
Total Service Requests:	994	830	3	0	25	136
OVERFLOWS (EA)						
Overflows:	40	28	0	0	0	12

ENCLOSURE H
Sanitary Sewer Overflow Report
Breakdown by City and Month

Sanitary Sewer Overflow Report

Breakdown by City and Month

2010

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	CITY	Miles of Sewer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(All SSOs) TOTAL	*SMD SSO Total	SSO/ 100 mi
1	Agoura Hills	54.08	1				1								2	2	3.70
2	Artesia	31.63													0	0	0.00
3	Baldwin Park	104.29			2										2	1	0.96
4	Bell Gardens	39.75													0	0	0.00
5	Bellflower	99.4													0	0	0.00
6	Bradbury	2.03													0	0	0.00
7	Calabasas	72.28													0	0	0.00
8	Carson	181.33													0	0	0.00
9	Commerce	49.18													0	0	0.00
10	Cudahy	14.16									1				1	1	7.06
11	Diamond Bar	161.94		1				2				1			4	4	2.47
12	Duarte	45.54											1		1	1	2.20
13	Glendora	140.89	1		1							1	1		4	4	2.84
14	Hawaiian Gardens	15.79				1		1							2	1	6.33
15	Hidden Hills	14.93							1						1	1	6.70
16	Industry	49.28													0	0	0.00
17	Irwindale	13.06													0	0	0.00
18	La Canada Flintridge	52.6					1								1	1	1.90
19	La Habra Heights	2.29													0	0	0.00
20	La Mirada	120.16						1							1	1	0.83
21	La Puente	61.14													0	0	0.00
22	Lakewood	166.24						1		1					2	2	1.20
23	Lawndale	33.51										1			1	1	2.98
24	Lomita	35.63	1		1	1									3	3	8.42
25	Palos Verdes Estates	77.46		1		1					1		1		4	4	5.16
26	Paramount	61.82					3	1							4	3	4.85
27	Pico Rivera	109.24			2							1			3	3	2.75
28	Rancho Palos Verdes	141.16			2					1	1	2	2	1	9	9	6.38
29	Rolling Hills	0.55													0	0	0.00
30	Rolling Hills Estates	32.4		1										1	2	2	6.17
31	Rosemead	78.93													0	0	0.00
32	San Dimas	101.35				1									1	1	0.99

Sanitary Sewer Overflow Report

Breakdown by City and Month

2010

	CITY	Miles of Sewer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(All SSOs) TOTAL	*SMD SSO Total	SSO/ 100 mi
33	Santa Clarita	378.33							1		1		1		3	3	0.79
34	Santa Fe Springs	81.17													0	0	0.00
35	South El Monte	36.66													0	0	0.00
36	Temple City	77.31		1											1	1	1.29
37	Walnut	91.28	1												1	1	1.10
38	West Hollywood	39.37		1	1		1	3		2			3		11	9	22.86
39	Westlake Village	32.64													0	0	0.00
40	Unincorp./LV Tapia	30.4		1											1	1	3.29
41	Unincorp. So./CSD	1426.9	3	2	2	2	5	2	2	1	3	2	1	3	28	28	1.96
42	Unincorp. NW./CSD	189.94											1		1	1	0.53
43	Unincorp. N./CSD	41.72			1										1	1	2.40
44	Lake Hughes	4.81									1				1	1	20.79
45	Marina/Aneta	12.03		2											2	2	16.63
46	Trancas Zone	3.94	1										1		2	2	50.76
47	Malibu Mesa Zone	4.72													0	0	0.00
48	Malibu Zone	0.39													0	0	0.00
49	TOTAL	4615.65	8	10	12	6	11	11	4	5	8	8	12	5	100	95	2.06

Note: * Excludes private lateral SSOs

Last updated 5/11/2010

Sanitary Sewer Overflow Report

Breakdown by City and Month

2011

CITY	Miles of Sewer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(All SSOs) TOTAL	*SMD SSO Total	SSO/ 100 mi
Agoura Hills	54.01								1			1		2	2	3.70
Artesia	31.31													0	0	0.00
Baldwin Park	104.29	1								1				2	2	1.92
Bell Gardens	39.8													0	0	0.00
Bellflower	99.4		1											1	0	0.00
Bradbury	2.03													0	0	0.00
Calabasas	73.97													0	0	0.00
Carson	181.5				1								1	2	1	0.55
Commerce	49.66													0	0	0.00
Cudahy	14.16													0	0	0.00
Diamond Bar	161.2				2									2	2	1.24
Duarte	45.38	1										1		2	2	4.41
Glendora	142.01			1		1								2	1	0.70
Hawaiian Gardens	15.83				1									1	0	0.00
Hidden Hills	14.79													0	0	0.00
Industry	49.13									1				1	1	2.04
Irwindale	13.1													0	0	0.00
La Canada Flintridge	52.38													0	0	0.00
La Habra Heights	2.29													0	0	0.00
La Mirada	120.16			1										1	0	0.00
Lakewood	166.26		1	1	1								1	4	1	0.60
Lawndale	33.51											1		1	1	2.98
Lomita	35.64										1		1	2	2	5.61
Palos Verdes Estates	77.5		1						1		2	1		5	4	5.16
Paramount	61.81		1		1									2	0	0.00
Pico Rivera	109.61				1				1					2	1	0.91
Rancho Palos Verdes	141.27					1	1	1	3					6	6	4.25
Rolling Hills	0.55													0	0	0.00
Rolling Hills Estates	33.34													0	0	0.00
Rosemead	78.99												1	1	1	1.27
San Dimas	101.36		1				1							2	2	1.97
Santa Clarita	397.55	1		2										3	2	0.50
Santa Fe Springs	83.42			1										1	1	1.20
South El Monte	36.51						1							1	1	2.74

Sanitary Sewer Overflow Report

Breakdown by City and Month

2011

CITY	Miles of Sewer	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	(All SSOs) TOTAL	*SMD SSO Total	SSO/ 100 mi
Temple City	76.99				1									1	1	1.30
Walnut	94.77													0	0	0.00
West Hollywood	39.39		1				1	1		2				5	3	7.62
Westlake Village	32.64			1			1	1				1		4	2	6.13
Unincorp./LV Tapia	30.84			1										1	1	3.24
Unincorp. So./CSD	1412.99	8	1	2	4	1	1		2	2	1	3	2	27	18	1.27
Unincorp. NW./CSD	193.08		1						1					2	1	0.52
Unincorp. N./CSD	41.81													0	0	0.00
Lake Hughes	4.82													0	0	0.00
Marina/Aneta	12.03													0	0	0.00
Trancas Zone	3.94													0	0	0.00
Malibu Mesa Zone	4.72											1		1	1	21.19
Malibu Zone	0.39													0	0	0.00
TOTAL	4572.13	11	8	10	12	3	6	3	9	6	4	9	6	87	60	1.31

Note: * Excludes private lateral SSOs

Last updated 01/17/2012

ENCLOSURE I
SMD Maintained Facilities by City

CITY SEWER MAINTENANCE DISTRICT MAINTAINED FACILITIES

		2007			2008			2009			2010			2011		
	CITY	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA
1.	AGOURA HILLS	54.29	1,346	1	54.52	1,351	1	54.08	1,351	1	53.94	1,346	1	54.01	1,342	1
2.	ARTESIA	31.60	697	2	31.63	699	2	31.63	699	2	31.63	699	2	31.31	692	2
3.	BALDWIN PARK	105.22	2,293	3	104.29	2,294	3	104.29	2,294	3	104.25	2,293	3	104.29	2,293	3
4.	BELLFLOWER	99.56	2,098	0	99.60	2,098	0	99.40	2,093	0	99.40	2,093	0	99.40	2,093	0
5.	BELL GARDENS	39.78	853	1	39.76	852	1	39.75	852	1	39.74	852	1	39.80	852	1
6.	BRADBURY	2.03	43	0	2.03	43	0	2.03	43	0	2.03	43	0	2.03	43	0
7.	CALABASAS	64.23	1,579	2	71.95	1,777	2	72.28	1,783	2	72.07	1,783	2	73.97	1,823	2
8.	CARSON	182.16	4,086	3	181.32	4,101	3	181.33	4,101	3	180.76	4,103	3	181.50	4,135	3
9.	COMMERCE	49.05	1,099	0	49.12	1,100	0	49.18	1,103	0	49.66	1,116	0	49.66	1,116	0
10.	CUDAHY	14.15	271	0	14.15	271	0	14.16	271	0	14.16	271	0	14.16	271	0
11.	DIAMOND BAR	161.17	3,470	9	161.94	3,487	9	161.94	3,488	9	161.63	3,498	9	161.20	3,532	9
12.	DUARTE	45.57	1,006	0	45.54	1,004	0	45.54	1,004	0	45.70	1,006	0	45.38	1,012	0
13.	GLENDORA	140.26	3,059	0	141.01	3,072	0	140.89	3,071	0	140.83	3,071	0	142.01	3,108	0
14.	HAWAIIAN GARDENS	15.69	332	0	15.69	332	0	15.79	340	0	15.83	341	0	15.83	341	0
15.	HIDDEN HILLS	14.95	303	2	14.84	303	2	14.93	305	2	14.93	305	2	14.79	305	2
16.	INDUSTRY	49.54	1,042	0	49.54	1,042	0	49.28	1,035	0	48.92	1,030	0	49.13	1,048	0
17.	LA CANADA-FLINTRIDGE	33.61	908	3	33.61	907	3	52.38	1,503	3	52.38	1,503	3	52.38	1,506	3
18.	LA HABRA HEIGHTS	2.29	58	1	2.29	58	1	2.29	58	1	2.29	58	1	2.29	58	1
19.	LA MIRADA	120.17	2,747	4	120.16	2,747	4	120.16	2,747	4	120.16	2,746	4	120.16	2,746	4
21.	LAKESWOOD	166.08	3,295	1	166.07	3,293	1	166.24	3,293	1	166.11	3,293	1	166.26	3,295	1
22.	LAWNDALE	33.51	705	0	33.51	705	0	33.51	705	0	33.51	705	0	33.51	705	0
23.	LOMITA	35.59	895	0	35.59	895	0	35.63	897	0	35.63	897	0	35.64	897	0
24.	MALIBU	5.66	128	2	5.66	128	2	5.66	128	2	5.66	128	2	5.66	128	2
25.	PALOS VERDES ESTATES	77.33	1,905	2	77.33	705	2	77.46	1,905	2	77.44	1,906	2	77.50	1,897	2

CITY SEWER MAINTENANCE DISTRICT MAINTAINED FACILITIES

		2007			2008			2009			2010			2011		
	CITY	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA	PIPE (MI)	MH'S	STA
26.	PARAMOUNT	61.78	1,399	1	61.77	895	1	61.82	1,401	1	61.82	1,401	1	61.81	1,402	1
27.	PICO RIVERA	109.39	2,488	3	109.39	128	3	109.24	2,496	3	109.49	2,505	3	109.61	2,512	3
28.	RANCHO PALOS VERDES	140.66	3,458	7	140.57	3,459	7	141.16	3,476	7	141.16	3,476	7	141.27	3,474	7
29.	ROLLING HILLS	0.51	17	0	0.51	17	0	0.55	18	0	0.55	18	0	0.55	18	0
30.	ROLLING HILLS ESTATES	32.48	835	3	32.48	835	3	32.40	833	3	33.33	854	3	33.34	846	3
31.	ROSEMEAD	78.83	1,722	1	79.10	1,728	1	78.93	1,723	1	78.99	1,725	1	78.99	1,725	1
32.	SAN DIMAS	101.55	2,267	7	101.35	2,267	7	101.35	2,267	7	101.36	2,268	7	101.36	2,268	7
33.	SANTA CLARITA	365.15	8,593	2	375.88	8,885	2	378.33	8,982	2	379.65	9,026	2	397.55	9,501	2
34.	SANTA FE SPRINGS	81.55	1,778	1	81.19	1,776	1	81.17	1,778	1	83.41	1,868	1	83.42	1,868	1
35.	SOUTH EL MONTE	38.04	758	1	38.15	762	1	36.66	762	1	36.51	756	1	36.51	757	1
36.	TEMPLE CITY	77.00	1,743	0	77.31	1,746	0	77.31	1,746	0	77.66	1,760	0	76.99	1,772	0
37.	WALNUT	91.28	2,008	0	91.28	2,012	0	91.28	2,012	0	89.93	2,012	0	94.77	2,121	0
38.	WESTLAKE VILLAGE	33.31	794	1	33.32	796	1	32.64	796	1	32.64	796	1	32.64	797	1
39.	UNINCORPORATED AREA										1728.07	38,674	23	1708.95	38,200	23
	TOTAL	2755.02	64,085	63	2773.46	60,578	63	2792.66	65,368	63	4523.21	104,235	86	4529.63	104,510	86

CONTRACT CITIES

FULL SERVICE

	IRWINDALE	13.06	222	3	13.06	222	3	13.06	222	3	13.10	221	3	13.10	215	3
	WEST HOLLYWOOD	39.37	881		39.37	881		39.37	881		39.39	885		39.39	885	
	TOTAL	52.43	1,103	3	52.43	1,103	3	52.43	1,103	3	52.49	1,106	3	52.49	1,100	3

MARINA SEWER MAINTENANCE DISTRICT

	MARINA DEL REY	11.37	207	1	11.37	207	1	11.37	207	1	11.37	207	1	11.37	207	1
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ENCLOSURE J

California Integrated Water Quality
System (CIWQS) Certified SSO
Reports

CIWQS reports on file.