

Volume 10
PLACER COUNTY SERVICE AREA 28, ZONE 173
(CSA 173) DRY CREEK
SEWER SYSTEM MANAGEMENT PLAN

INTRODUCTION

PLACER COUNTY MAINTAINED PUBLIC SEWER SYSTEMS

The Placer County Department of Facility Services operates and maintains nine separate sanitary sewer collection systems within the County. Eight of these are either Sewer Maintenance Districts (SMDs) or County Service Areas (CSAs) which derive their operating revenue from sewer user fees. Funds do not co-mingle between Districts. The Placer County Board of Supervisors is the governing board of each SMD or CSA. The ninth sewer system serves the Eastern Regional Landfill (ERL) Facility and the property is owned by the County. On May 2, 2006, the State Water Resources Control Board adopted Order 2006-003 Waste Discharge Requirements, which required all public owned sewer systems in the State with more than one mile of collection pipe to develop a Sewer System Management Plan (SSMP). Volume 1 (All Districts), Volume 2 (Appendices) and this volume comprise the SSMP for this District.

CSA 173 HISTORY AND DESCRIPTION

In the late 1950s, the Sabre City Mobile Homes Estates Development was constructed near the intersection of PFE Road and Walegra Road. The development was mobile home park size lots that were sold to mobile home owners (the lots are not rented). The proposal consisted of approximately 800-900 lots, one-third of which were located in Placer County and two-thirds were located in Sacramento County. All of the land drained to the north (to Dry Creek), so an initial sewer collection system was built with wastewater treatment ponds constructed near Dry Creek north of PFE Road. Unit 1 of the subdivision was built in 1961 and Unit 2 in 1965 for a total of 207 lots. All 207 lots were in Placer County. After that initial construction, no additional lots were subdivided and nothing was built in Sacramento County.

Because of the expected growth that was initially proposed, Sacramento County maintained the sewer lines and the wastewater treatment ponds, billing residents directly for sewer service. In 1986, Sacramento County informed Placer County that, due to the lack of development on their side of the County line, they would no longer operate and maintain the Sabre City Sewer System. Placer County then formed County Service Area 28 and began maintaining the sewer collection system.

In 1998, under pressure from the State to abandon the wastewater treatment ponds which only provided secondary treatment of the wastewater, SMD 2 reached a temporary agreement with Sacramento County for their sewer system to receive and treat Sabre City's wastewater. A sewage pump station was constructed on PFE Road along with a force main, connecting to a manhole just inside the Sacramento County line. The ponds were then abandoned, drained and the original grade was restored.

In 1990, the Dry Creek/West Roseville Specific Plan was approved by the Placer County Board of Supervisors. The plan called for about 5,000 new homes south of Baseline Road between the City of Roseville and Watt Avenue. An agreement was reached with the City of Roseville for wastewater to be conveyed to the Roseville Dry Creek Wastewater Treatment Plant. The plant is located at the east and uphill end of the Specific Plan. A sewer master plan was developed for all the Dry Creek area which laid out gravity sewer lines and two large pump stations to pump the wastewater east to the Dry Creek Treatment Plant. The plan called for Sabre City's wastewater to also be pumped to the City of Roseville plant.

The developers of the Dry Creek area were responsible for constructing the proposed sewer system. A Community Facilities District (CFD) was formed and bonds were sold to pay for design and construction of the first phase of the sewer, water and roadway infrastructure. County Service Area (CSA 28, Zone 173) was formed to own and operate the new system. The new CSA included all land being developed at the time plus Sabre City. Sabre City was detached from SMD 2 and the County paid connection fees to the City of Roseville for the existing residents at Sabre City.

Construction was completed on the Phase 1 trunk sewer system in 2003 and the Sacramento County pump station was decommissioned and Sabre City's wastewater has been pumped to the City of Roseville for treatment since that date.

The second phase of the Dry Creek/West Roseville Specific Plan is currently in the planning stage. That phase will develop land west of the current development and will discharge to the Roseville Regional Wastewater Treatment Plant.

A District sewer map is provided in Section 4.1 of this SSMP. As of July 2014, CSA 173 has 24.7 miles of sewer pipe in the ground and 1,261 Equivalent Dwelling Units (EDUs).

**PLACER COUNTY SERVICE AREA 28, ZONE 173
(CSA 173) DRY CREEK
SEWER SYSTEM MANAGEMENT PLAN**

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1.0 GOALS

1.1 Introduction

Goals are the crux of any plan. They are the defining targets in which more specific objectives of this SSMP are aimed. The SSMP goals are itemized in SSMP Volume 1.

1.2 Placer County SSMP Goals

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine County maintained public sewer systems and there is no reason to duplicate the information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Goals” requirements.**

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SEWER SYSTEM MANAGEMENT PLAN**

2.0 ORGANIZATION

2.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Organization” requirements.**

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3.0 LEGAL AUTHORITY

3.1 Introduction

Of the nine wastewater collection systems owned and maintained by Placer County (see Table Int-1), two have their own wastewater treatment systems and do not rely on other agencies for wastewater treatment. The remaining seven sewer collection systems are satellite collection systems that connect to wastewater treatment plants owned and operated by other public agencies. This makes the legal authority for all nine sewer collection systems and their two satellite systems somewhat complicated. CSA 173 is a satellite collection system to the City of Roseville Regional Wastewater Treatment Plant. Explanations of the CSA173 and the City of Roseville’s legal authority are provided below:

3.2 Placer County Code, Articles 13.12 and 13.14

Every Placer County maintained sewage collection system, whether it has its own wastewater treatment plant or it is a satellite collection system to another agency’s treatment plant, is covered by Articles 13.12 and 13.14 of the Placer County Code. These code articles also cover the two small satellite collection systems connected to Placer County maintained Districts.

Article 13.12 is a comprehensive sewer ordinance that has been in use over 40 years and governs operation and maintenance of the County’s sewer system. It also contains the user fee, annexation fee and connection fee schedule for the nine sewer systems (excluding Cabin Creek). This ordinance has been updated many times and will continue to be updated as conditions warrant.

Article 13.14 is the Placer County Industrial Pretreatment Ordinance. While this article primarily regulates industry to protect the district wastewater treatment systems, it also regulates many industrial types of discharges that could have adverse effects on collection systems.

Section 3, of the State WDRs, directs that legal authority cover a minimum of five items. Those five items and their location in the Placer County Code are summarized in the following table.

Table 3-1, WDR Legal Authority Requirements

Requirement	Code Location
Prevent illicit discharges	Section 13.12.020 Section 13.12.070 Section 13.12.100 Section 13.12.140 Section 13.14.050
Require proper design and construction	Section 13.12.210 and 220
Ensure access for maintenance/repairs	Section 13.14.180
Limit FOG discharges	Section 13.14.050
Enforce violations	Section 13.12.190 and 330

The Placer County Department of Facility Services periodically publishes a booklet containing current copies of Sections 13.12 and 13.14 of the County Code together with copies of the applicable City of Roseville Sewer Codes (see Sub-Section 3.2 of this Section). That booklet is contained in **Appendix “B”** of Volume 2 and a separate copy can be obtained at the Facility Service’s front counter. It is titled “Rules and Regulations of Placer County Operated Sewer and Water Systems”. A current copy of the Placer County Code can also be found on the County web site at <http://qcode.us/codes/placercounty/view.php?&frames=on> .

3.3 Roseville City Code, Chapter 14.12, 14.16, and 14.26

Similar to Placer County, the City of Roseville has in its City Code sewer regulations. They can be found on the City’s website at www.qcode.us/codes/roseville . Chapter 14.12 of the City’s code covers regulations of sewer use, similar to the Placer County Code Article 13.12.010 through 13.12.230. Chapter 14.16 covers sewer rates and charges, similar to the County Code, Article 13.12.240 through 13.12.410. Chapter 14.26 covers their Industrial Wastewater Regulations. Copies of the above sections of the City’s code are also contained in the booklet found in **Appendix “B”** of Volume 2.

3.4 South Placer Wastewater Authority Joint Powers Agreement

SMD 2, SMD 3, Dry Creek, and Sunset discharge to the City of Roseville for treatment. South Placer Municipal Utilities District (SPMUD), which covers Rocklin, Newcastle, Penryn, and portions of the Loomis Basin also discharges to the City of Roseville for treatment. To facilitate financing, operations and maintenance of the jointly shared trunk sewers and the Roseville Regional Wastewater Treatment Plant, the three entities, Placer County, Roseville and SPMUD formed a joint powers authority called the South Placer Wastewater Authority. Through the Authority, Roseville continues to be fully

responsible for operation and maintenance of the treatment plant and the trunk sewers and the Authority is primarily responsible for financing of the facilities. A copy of the written agreement forming that Authority can be found in **Appendix “C”** of Volume 2.

3.5 Funding Agreement Relating to the South Placer Regional Wastewater Facilities

The three members of the South Placer Wastewater Authority also have a written agreement that directs how funding of the wastewater facilities will be handled. A copy of that agreement can be found in **Appendix “D”** of Volume 2.

3.6 Agreement Regarding the Operation and Use of the South Placer Regional Wastewater Facilities

The three members of the South Placer Wastewater Authority also have a written agreement that directs how the regional wastewater facilities shall be operated and maintained. A copy of that agreement can be found in **Appendix “E”** of Volume 2.

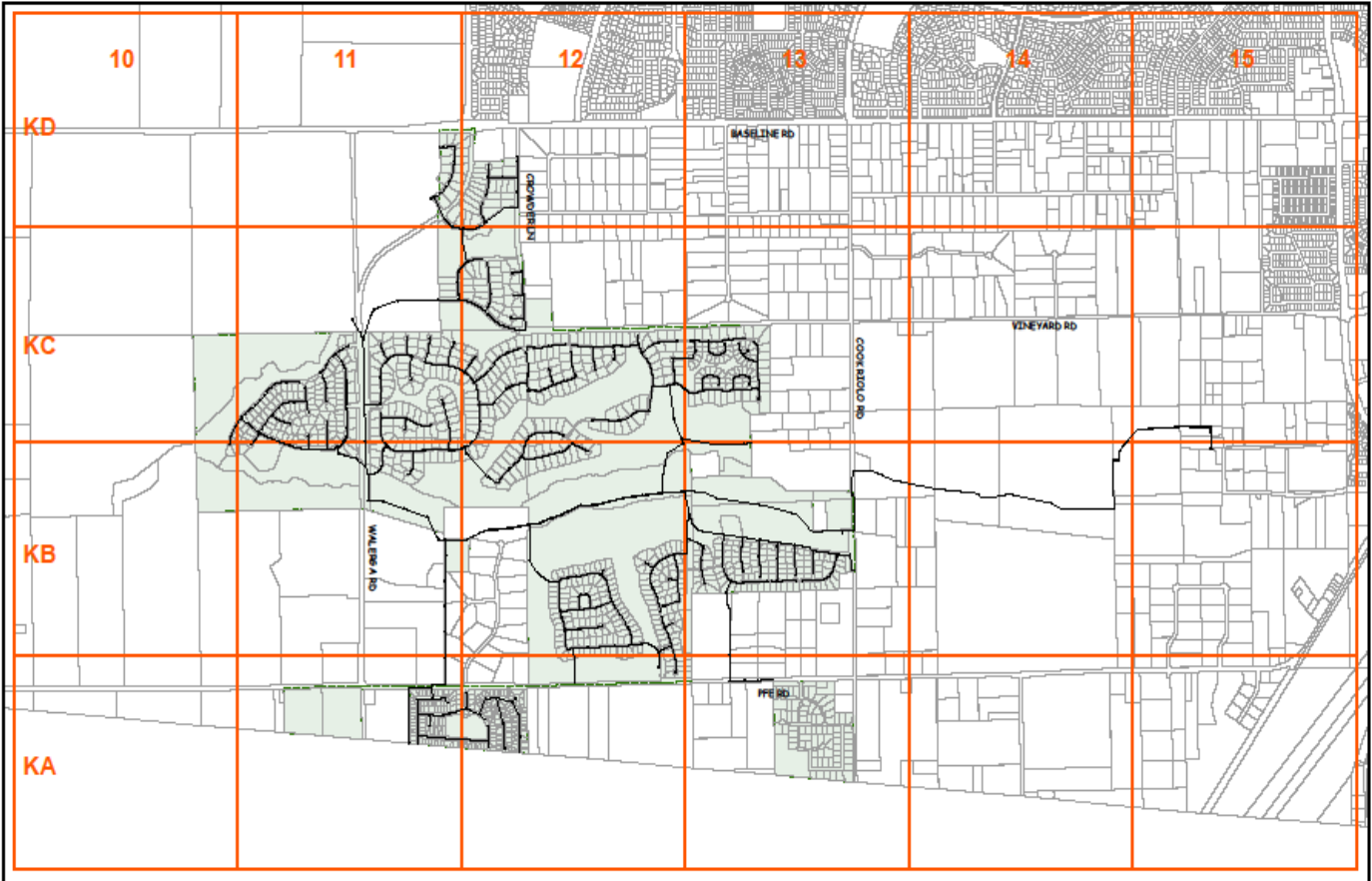
**PLACER COUNTY SERVICE AREA 28, ZONE 173
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SEWER SYSTEM MANAGEMENT PLAN**

**4.0 OPERATIONS AND
MAINTENANCE PROGRAM**

4.1 Collection System Mapping

4.1.1 Introduction

As described in detail in Section 4 of Volume 1 (All Districts SSMP), Placer County uses a GIS mapping system to produce sewer maps of each of the nine sewer collection systems it maintains. The mapping system produces wall size maps (1"=400') of the boundary of each district and also produces 11"x17" map book pages, placed in map books and used by maintenance personnel. An example of an index map and an individual map page for CSA 173 are contained in the following two pages. Wall maps of the entire sewer district are available for public review at the Environmental Engineering Offices.




MAP INDEX

DRY CREEK
 CSA 28 - ZONE 173
 SANITARY SEWER

THIS MAP IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR DESIGN PURPOSES. PLACER COUNTY DOES NOT GUARANTEE ACCURACY OR CURRENTNESS OF THE INFORMATION. PERMITS ARE REQUIRED FOR EXCAVATION IN COUNTY RIGHTS OF WAY OR PUBLIC UTILITY EASEMENTS.

REV: 05/01/06

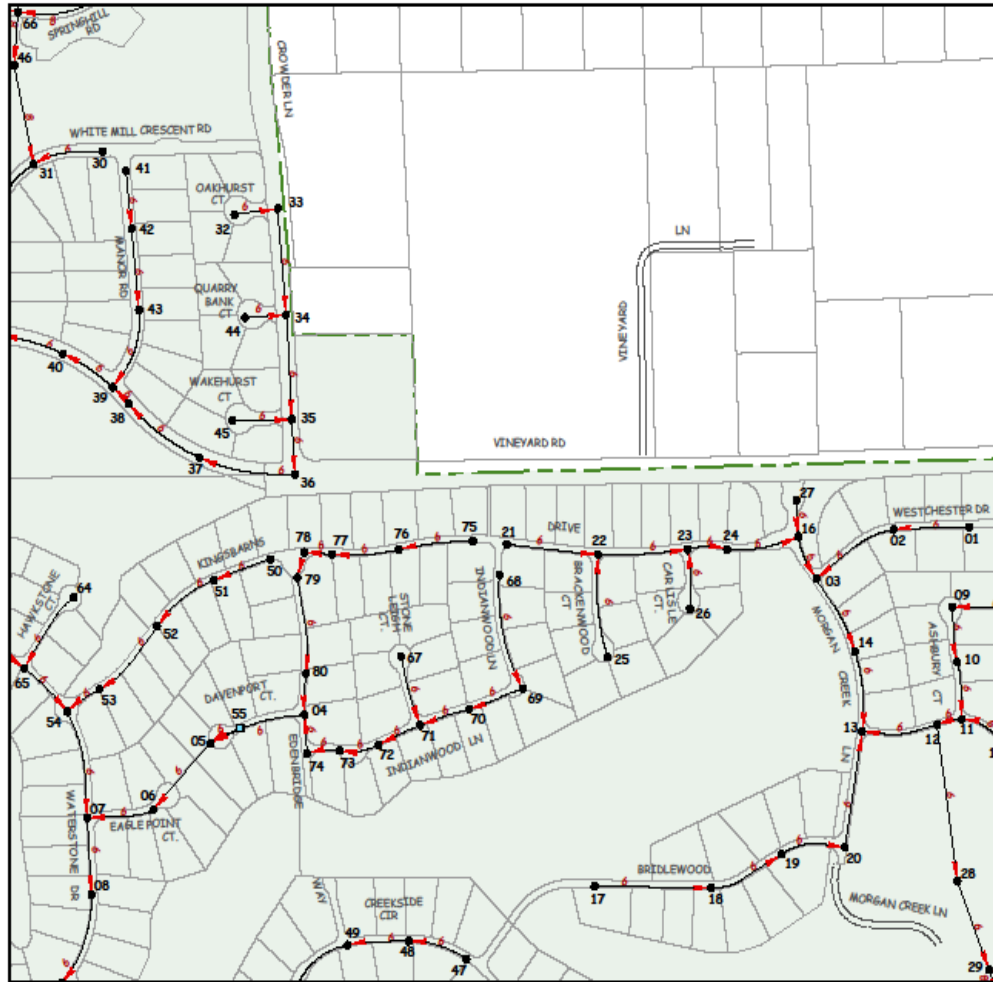


NOT TO SCALE

PLACER COUNTY



FACILITY SERVICES



KD11	KD12	
KC11	KC12	KC13
KB11	KB12	KB13

DRY CREEK

CSA 28 - ZONE 173
SANITARY SEWER

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REV: 01/05/07



SCALE: 1" = 400'

PLACER COUNTY



FACILITY SERVICES

4.2 Preventive Operation and Maintenance

4.2.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Preventive Operation and Maintenance” requirements.**

4.3 Rehabilitation and Replacement Plan

4.3.1 Introduction

As noted in Volume 1, “All Districts SSMP”, Section 4.3.0, in order to develop a Rehabilitation and Replacement (R&R) plan for a sewer system, a condition assessment of the sewer system must be completed. Methods of doing a condition assessment are detailed in Section 4.3.0. **Before proceeding with this section of this SSMP, the reader should review Section 4.3.0 of Volume 1 to better understand the methods chosen to evaluate this sewer system.**

4.3.2 Condition Assessment, Rehabilitation, and Replacement Plan

As noted in Section 4.3.0, before R&R plans can be developed, a condition assessment of a sewer system must be made. That condition assessment usually consists of the following:

- CCTV inspection of gravity sewer lines.
- Smoke testing sewer lines.
- Hydrocleaning sewer lines.
- Visual inspection of manholes.
- Complete inspection of sewage pump stations.

The nine sewer districts maintained by Placer County vary in size from 1.5 miles to 118 miles of pipe and have 42 sewage pump stations between them. Therefore, a condition assessment can be relatively easy to complete for the small districts and difficult for the large districts. For the large districts, conducting a condition assessment of the entire district at one time can be cumbersome and inefficient due to the volume of work to be completed and analyzed. In those districts, dividing the sewer districts into small sections is a feasible way of completing the project over a number of years rather than all at once.

In the case of CSA 173, the following information is available:

- Prior to 2003, the Dry Creek Sewer System was 2 miles in length within the original Sabre City Subdivision. That portion of the system was constructed in the 1960s and is approximately 40 years old.
- The entire Sabre City portion of the sewer system has been televised a number of times, the last time in 2007.
- The Sabre City portion of the sewer system has never been smoke tested.
- The Sabre City portion of the sewer system has not had significant Infiltration and Inflow.
- In 2003, the new Dry Creek Trunk Sewer System was constructed. New subdivisions have increased the length of the Dry Creek Sewer System to the current 22 miles. The pipe was pressure tested and televised during construction.
- During the last 5 years, there has been a significant increase of inflow coming from the new portions of the sewer system, which has been traced to new homes under construction where contractors were draining trenches and lots into the sewer during rain events. Those instances have been corrected and it is not expected that infiltration and inflow into the system will be a problem for a number of years.
- The trunk sewer system has a sewage pump station that serves the entire CSA. The existing one that served Sabre City was abandoned. The Dry Creek Pump Station was constructed in 2003.
- No Condition Assessment or R&R plans have been developed.

Therefore, it is recommended that the District begin a program of regular manhole inspections and sewer collection system inspection (with a TV camera) on a frequency of approximately every 10 years for the new pipes and 5 years for the older pipes. This program can be phased due to the fact that most of the sewer collection system was constructed over a period of years. Upon completion of the inspections, a Condition Assessment Report, R&R Plan and Funding Plan can be developed.

4.3.3 CSA 173 Rehabilitation and Replacement Schedule

The proposed schedule for completion of the previous noted work is as follows:

Proposed Project	Completion Year
CCTV Sewers	2020*
Pump Station Evaluation	2020*
Condition Assessment Report	2021*
Capacity Analysis	2021*
Capital Improvement Program	2022*

*The District operates under an ongoing Preventative Maintenance program that schedules portions of these Projects each year to ensure that each of the Projects are completed every ten years. Completion years for the current Project cycles are presented above.

4.4 Training

4.4.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Training” requirements.**

4.5 Contingency Equipment and Replacement Inventories

4.5.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Contingency Equipment and Replacement Inventories” requirements.**

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5.0 DESIGN AND PERFORMANCE PROVISIONS

5.1 Standards for Installation, Rehabilitation, and Repair

5.1.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Design and Performance Standards” requirements.**

5.2 Standards for Inspection and Testing of New, Rehabilitated, and Repaired Facilities

For new sewer construction, the County follows the General Specifications (see Appendix J of Volume 2) and design criteria for the Land Development Manual (see Appendix I of Volume 2). The County General Specifications are currently being revised.

The County implements a Preventative Maintenance (PM) Program that uses NASSCO ratings to prioritize rehab and repair projects. County staff perform interior point repairs and smaller excavation projects to fix structural and I&I related problems. The County routinely contracts Cured in Place Pipe (CIPP) and manhole lining work based upon the results of the PM program.

5.2.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Standards for Inspection and Testing” requirements.**

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**6.0 OVERFLOW EMERGENCY
RESPONSE PLAN**

6.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Overflow Emergency Response Plan” requirement.**

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7.0 FATS, OILS, AND GREASE (FOG) CONTROL PROGRAM

7.1 Introduction

There are a number of ways a FOG Control and Public Outreach Program can be developed for an existing sewer system depending on its size and type of connections. Those methods are summarized in Volume 1, “All Districts SSMP”, Section 7. **Before proceeding with this section of the CSA 173 SSMP, the reader should review Section 7 of Volume 1 to better understand the methods chosen to control FOG in the CSA 173 Sewer System.**

7.2 Existing CSA 173 Sewer System

See the “Introduction” of this SSMP, CSA 173 History and Description, for a summary of the District sewer collection system. As noted at that location, the existing sewer system has been built in the last four years and the area is probably the fastest growing of all of the CSA’s. At the same time, however, with the exception of the club house at the Morgan Creek Golf Course, there are no FOG producing restaurants or other commercial facilities currently connected to the CSA 173 Sewer System.

7.3 Selected FOG Source Control and Public Education Outreach Program

Due to the conditions noted above, the most appropriate FOG Source Control and Public Education Outreach Program (see Section 7.6, Volume 1) would be a combination of “Program A” and “Program C”. A property owner Education Outreach Program should be started and the one restaurant should be placed in the FOG Source Control Program.

**PLACER COUNTY SERVICE AREA 28, ZONE 173
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SEWER SYSTEM MANAGEMENT PLAN**

8.0 SYSTEM EVALUATION AND CAPACITY ASSURANCE PLAN

8.1 Introduction

There are a number of ways a System Evaluation and Capacity Assurance Plan can be developed for an existing sewer system depending on its size and age. Those methods are summarized in Volume 1, “All Districts SSMP”, Section 8. **Before proceeding with this section of the CSA 173 SSMP, the reader should review Section 8 of Volume 1 to better understand the methods chosen to evaluate the CSA 173 sewer system.**

8.2 Existing CSA 173 Sewer System

See the “Introduction” of this SSMP, CSA 173 History and Description, for a summary of this district sewer system. As noted at that location, with the exception of the original Sabre City sewers, all existing sewer systems in the Dry Creek area have been constructed in the last 4 years and, therefore, should have minimal amounts of peak wet weather flow caused by Infiltration and Inflow. Furthermore, the trunk sewer collection system for Phase 1 had a static hydraulic model prepared for it by the original design engineer and was used as the basis for the system design. That hydraulic model meets the requirements of this SSMP. When Phase 2 of the specific plan is developed, it will also have the hydraulic model prepared and approved.

8.3 Selected Capacity Analysis Type

Due to the conditions noted above, the most appropriate Capacity Analysis Type (see Section 8.3, Volume 1) would be “Type B”.

8.4 Capital Improvement Program and Funding

Based on the results of the proposed Capacity Analysis in Section 8.3, if improvements are needed to the CSA 173 Sewer System, a Capital Improvement Program (CIP) and funding program will be developed to meet those needs. However, at this time, the

capacity analysis has not been completed and, therefore, the CIP and funding program cannot be presented.

8.5 CIP Schedule

The proposed schedule for the above noted work is as follows:

Proposed Project	Completion Year
CCTV Sewers	2020*
Pump Station Evaluation	2020*
Condition Assessment Report	2021*
Capacity Analysis	2021*
Capital Improvement Program	2022*

*The District operates under an ongoing Preventative Maintenance program that schedules portions of these Projects each year to ensure that each of the Projects are completed every ten years. Completion years for the current Project cycles are presented above.

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9.0 MONITORING, MEASUREMENT, AND PROGRAM MODIFICATIONS

9.1 Introduction

As noted in Section 9 of the All Districts SSMP (Volume 1), Monitoring, Measurement, and Program Modifications, is probably one of the most important components in developing a SSMP. Once all programs and projects listed in the previous chapters are implemented, they need to be monitored and measured so they can be evaluated to determine their effectiveness. This evaluation is done by collecting data on a yearly basis that will show how effective they are in reaching the goals of the SSMP, reducing Sewer System Overflows (SSOs) and protecting the environment. The yearly SSO data is plotted to see rolling five-year trends as a part of the internal self-audit process that occurs every two years. Program modifications are made based upon the recommendations of these internal self-audits.

9.2 Maintain Relevant Information (Requirement 9.0 a)

Section 9 of Volume 1 lists a number of potential maintenance activities that could be tracked in any district, depending on specific circumstances. Table 9.1 lists the activities selected for this district. When data is available, Table 9.1 also lists the totals from the last 5 years for those activities to provide a baseline for evaluation.

Data from calendar years 2013 and 2014 are available now, but not presented here. The next internal SSMP self-audit will be performed in calendar year 2016 and will include data through calendar year 2015. For information on these measurement categories from calendar years beyond 2012, refer to the internal SSMP self-audit.

Table 9.1 CSA 173 (Dry Creek) Measurement Categories

Category	Units	Description	Units	Number By Year				
				2008	2009	2010	2011	2012
SSOs	--	Caused by Roots	Count	0	0	0	0	0
SSOs	--	Caused by Grease	Count	0	0	0	0	0
SSOs	--	Caused by Contractors	Count	0	0	0	0	0
SSOs	--	Caused by Vandalism	Count	0	0	0	0	0
SSOs	--	From Pump Stations	Count	0	0	0	0	0
SSOs	--	From Other Causes	Count	0	0	1		1
SSOs	--	Total Category 1	Count	0	0	0	0	1
SSOs	--	Total Category 2	Count	0	0	1	0	0
SSOs	--	Total SSOs	Count	0	0	1	0	1
Gravity Sewers	Miles	CCTV Inspection Sewers	Miles	1.33	.32	2.04	.08	.65
Gravity Sewers	Miles	Clean Sewers	Miles	2.14	2.16	17.00	.44	1.68
Gravity Sewers	Miles	Sewer Rehabilitation Dig and Repair	Count	0	0	0	0	0
Gravity Sewers	Miles	Sewer Rehabilitation Pipe Lining	Linear Feet	0	0	0	0	0

Table 9.1 CSA 173 (Dry Creek) Measurement Categories (continued)

Category	Units	Description	Units	Number By Year				
				2008	2009	2010	2011	2012
Gravity Sewers	Miles	Smoke Test Sewers	Miles	.15	0	0	0	0
Gravity Sewers	Miles	Root Treatment	Miles	.58	1.23	0	.08	1.16
Force Mains	Miles	Force Main Piggid	Miles	0	0	0	0	0
Sewage Air Relief Valves	Each	ARV Maintenance	Count	0	0	12	1	10
Manholes	Each	Manholes Rehabilitation	Count	0	0	0	0	0
Pump Stations	Each	Pump Station Major Rehabilitation	Count	0	0	0	0	0

Note: Calendar year 2013 and 2014 data are now available but not presented here. The next internal SSMP self-audit will be performed in calendar year 2016 and will include data through calendar year 2015. For information on these measurement categories from calendar years beyond 2012, refer to the internal SSMP self-audit.

9.3 Monitor the Effectiveness of the SSMP and the Success of the Preventative Maintenance Program (Requirement 9.0 b-c)

The WDRs require Placer County to monitor the effectiveness of the SSMP and the success of the preventative maintenance program. Staff performed SSMP self audits every two years. The SMD 1 SSMP audit was last completed in October 2014.

9.4 Update Program Elements (Requirement 9.0 d)

The SSMP elements are updated every five years, at a minimum. The updates are based upon the recommendations of the internal SSMP self-audits that occur a minimum of every two years.

9.5 Identify and Illustrate SSO Trends (Requirement 9.0 e)

SSO trends are presented in the internal SSMP self-audits performed every two years. The audits specifically show trends of the number of SSO's, the category of SSO's and the volume of SSO's (total and unrecovered) over the previous 5 years. For specific trends, refer to the most recent internal SSMP self-audit.

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SEWER SYSTEM MANAGEMENT PLAN**

10.0 SSMP PROGRAM AUDITS

10.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “SSMP Program Audits” requirements.**

**PLACER COUNTY SERVICE AREA 28, ZONE 173
(CSA 173) DRY CREEK
SEWER SYSTEM MANAGEMENT PLAN**

11.0 COMMUNICATION PROGRAM

11.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “Communication program” requirements.**

**PLACER COUNTY SERVICE AREA 28, ZONE 173
(CSA 173) DRY CREEK
SEWER SYSTEM MANAGEMENT PLAN**

**12.0 SSMP COMPLETION AND
CERTIFICATION**

12.1 Introduction

As mentioned in the introduction to this SSMP, a number of the requirements or sections of the SSMP provide data pertaining to all nine of the Placer County maintained public sewer systems and there is no reason to duplicate that information. These sections are located in SSMP Volumes 1 and 2. **The reader should refer to those binders for information regarding the “SSMP Completion and Certification” requirements.**