

**Volume 3**  
**PLACER COUNTY SEWER MAINTENANCE DISTRICT 1**  
**(SMD 1) NORTH AUBURN**  
**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.

**SMD 1 HISTORY AND DESCRIPTION**

In the late 1950's, development started in the North Auburn Area without annexing into the Auburn City limits. North Auburn had no sewer system so the first developments were approved on leach fields. By 1959, many of the leach fields were failing and it was determined that a public sewer system was needed. The Placer County Board of Supervisors approved the formation of Placer County SMD No. 1 (SMD 1). Bonds were sold to pay for design and construction of a North Auburn sewer system and a wastewater treatment plant located on Joeger Road. By 1961, both the sewer system and treatment plant were complete and SMD 1 began maintenance and operation of the collection system and treatment plant. All existing structures within the District and within established criteria were required to connect to the sewer, along with all new commercial and residential development.

Since then, the SMD 1 sewer system was expanded to serve new development as it progressed. Undeveloped land within the District was served by new sewers constructed by development. Land requiring sewer service was annexed into the District. Several areas of existing homes on leach fields and not served by the original District, had sewers constructed to them through grants and assessment districts. As of July 2008, SMD 1 has 105 miles of sewer pipe in the ground and 7,934 Equivalent Dwelling Unit (EDU)

connections including 93 EDUs that are currently inactive. A district map is provided in Section 4 of this SSMP.

Most sewer systems are constructed with gravity sewers, where sewage flows down a sewer pipe by gravity with the pipeline sloped downhill toward the wastewater treatment plant. Four inch pipe is the minimum diameter of gravity sewer pipe used for servicing properties and six inch pipe is used for collector sewer in the street. If gravity sewer is not feasible, a sewage pump station is constructed to pump sewage in a pressure pipe to the top of the hill where it again flows by gravity downhill.

Placer County SMD 1 uses low pressure sewer in portions of the District that cannot accommodate gravity sewer flow. The sewer system utilizes a pressure pipe as small as two inch diameter that is able to go up or down hill. Each structure connected to the low pressure sewer has a septic tank that can remove solids and grease from the wastewater and pumps the remaining water into the low pressure sewer. Each pump is strong enough to pump the water to the end of the low pressure pipe. The unit at each structure is called a Septic Tank Effluent Pump (STEP) unit and is maintained for the property owner by the District. As of July 1, 2014, the District maintains 372 STEP units.

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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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## **2.0 ORGANIZATION**

### **2.1 Introduction**

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 “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, Volume 1), two have their own wastewater treatment systems and do not rely on other agencies for wastewater treatment. The remaining seven sewer 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 systems and their two satellite systems somewhat complicated. An explanation of the SMD 1 legal authority and that of its one satellite collection system, the Auburn Airport Industrial Park, are as follows:

### **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 does regulate many industrial types of discharges that could have adverse effects on collection systems.

Section 3 of the 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 3-2, 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”** and a separate copy can be obtained at the Facility Service’s front counter or the Community Development Resources Agency 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 Agreements with the City of Auburn for Sewer Service to the Auburn Airport Industrial Park**

In the 1970s, the City of Auburn began developing an industrial park adjacent to the Auburn Airport (on City owned land not contiguous to the City limits). Construction included a sewage collection system and a small package wastewater treatment plant. The treated effluent was spray irrigated on land between the runways. As the industrial park grew, the capacity of the existing treatment plant was reached. The City constructed an offsite sewer line and connected the industrial park to the Placer County SMD 1 sewer system. The industrial park became an outside user of SMD 1 and a formal agreement was approved by the Placer County Board of Supervisors on July 26, 1983. A copy of the agreement can be found in **Appendix “G”**. After that time, the City maintained the sewer collection system in the industrial park and SMD1 treated the wastewater from the site. A Regional Project is currently being constructed that will eliminate the SMD No. 1 North Auburn WWTP in approximately late-2015.

Due to the distance from the industrial park and the Auburn City limits, it became difficult for the City to maintain the industrial park’s collection system. Since SMD 1 was directly billing all of the sewer connections in the industrial park for full sewer service charges, the City asked that SMD 1 take over maintenance of the sewer lines as part of those charges in 1998. A second agreement, which can also be found in **Appendix “G”**, was approved on August 25, 1998, which transferred maintenance of the Auburn Airport Industrial Park’s sewer collection system to the County.

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**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 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. Copies of the index map and one example of the individual map pages for SMD 1 are shown on pages 6 and 7, respectively. Wall maps of the entire sewer district are available for public review at the Environmental Engineering Offices located at 11476 C Avenue, Auburn, CA 95603 and upon request at (530) 886-4900.

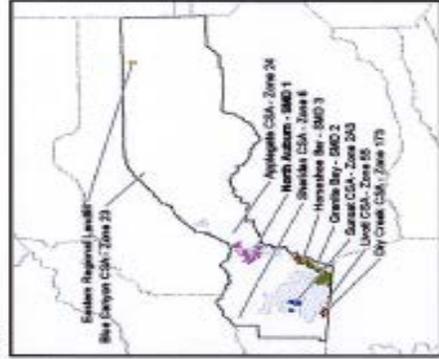
# North Auburn - Sewer Maintenance District 1



North Auburn - Sewer Maintenance District 1

## District Index Page

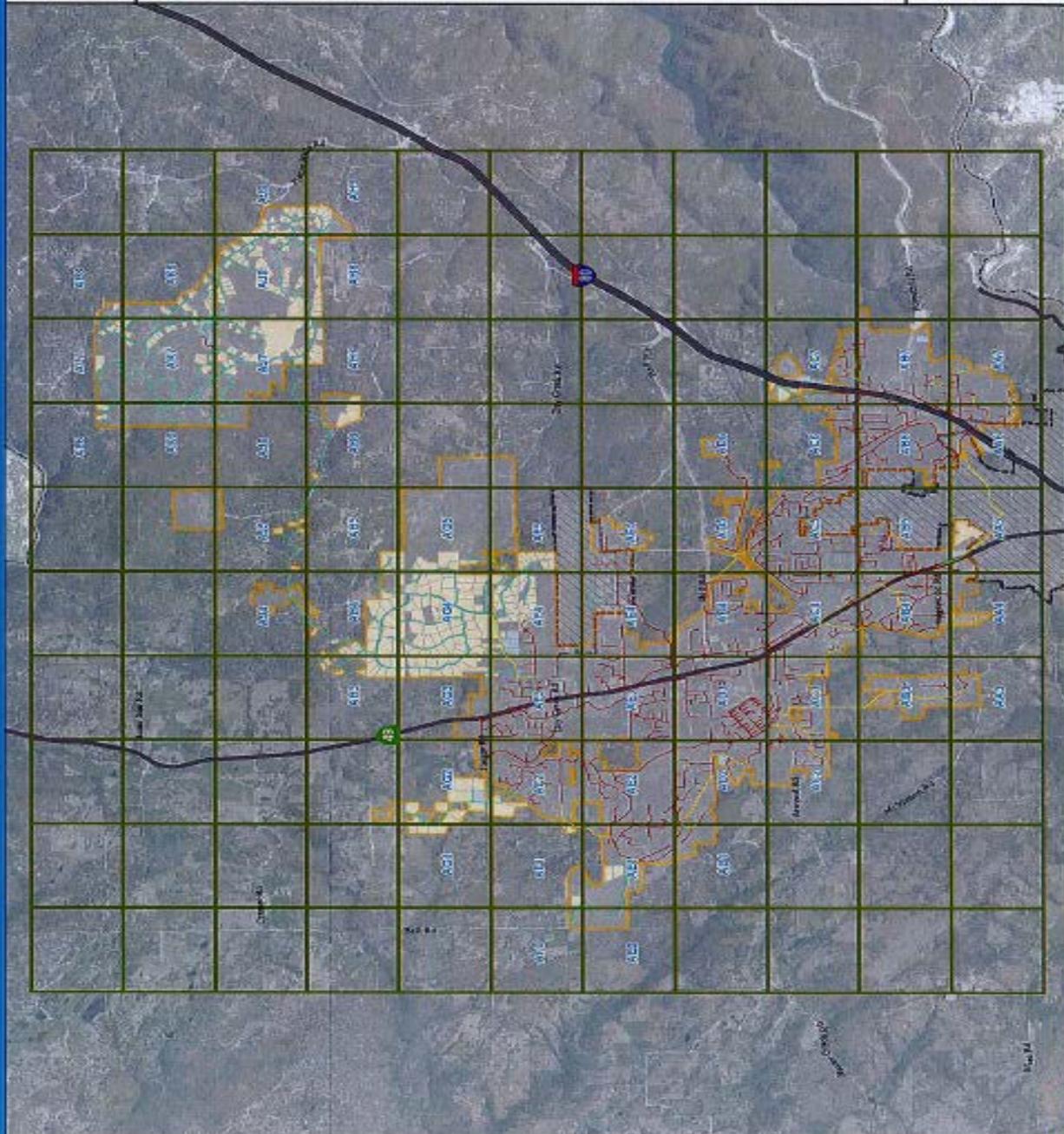
- North Auburn - SMD 1 Boundary
- Force Main
- Gravity Main
- Low Pressure
- Siphon
- Vent
- County Step Tank
- Private Step Tank
- City Limits



Mapset: 8/12/2010



**PLACER COUNTY ENVIRONMENTAL ENGINEERING & UTILITIES**  
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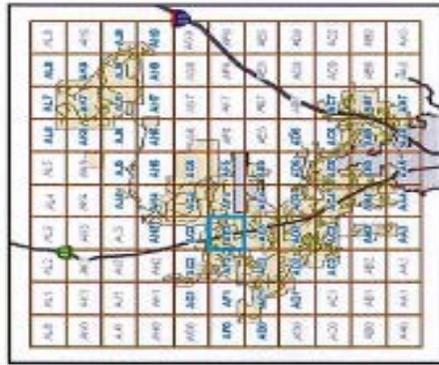
# North Auburn - Sewer Maintenance District 1



North Auburn - Sewer Maintenance District 1

## Map Page AF3

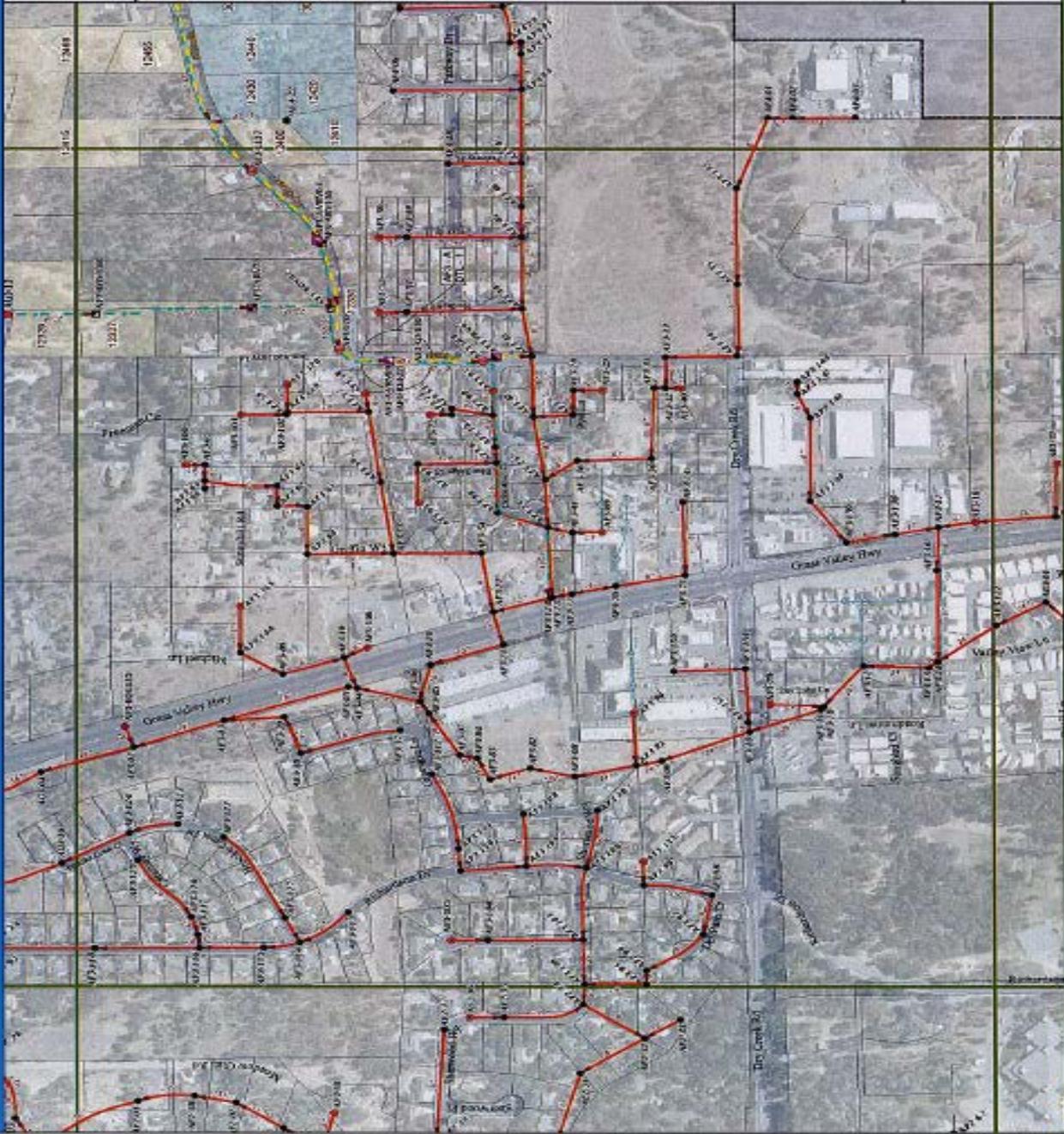
- Force Main
- County Main
- Low Pressure
- Low Pressure Solids
- Siphon
- Vent
- Abandoned Sewer Main
- Private Sewer Main
- Air Relief Valve
- Air Vacuum Relief Valve
- Blow Off Valve
- Pressure Relief Valve
- Ball Valve
- Gate Valve
- Manhole
- Cleanout
- Cleanout in Manhole
- End Of Line
- Launch in Manhole
- Launch in Vault
- Receptacle Launch in Manhole
- Receptacle Launch in Vault
- Reducer
- Lift Station
- County Step Tank
- Private Step Tank



Map Page AF30040



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## **4.2 Preventive Operation and Maintenance**

### **4.2.1 Introduction**

As mentioned in the introduction to this SSMP, a number of requirements or sections of the SSMP provide data pertaining to all nine Placer 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 “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 Repair (R&R) plan for a sewer system, a Condition Assessment of the sewer system must be completed. Methods for developing 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 collection system.**

### **4.3.2 Condition Assessment, Rehabilitation, and Replacement Plan**

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

- Television 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 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 larger 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 district into smaller sections is a feasible way of completing the project over a number of years rather than all at once.

In the case of SMD 1, the following information is available:

- The district has 105 miles of sewer pipe and 22 sewage pump stations.
- 33.7 miles of the sewer system cannot be televised because the pipelines are pressurized.
- In the last five years, 120 miles of the sewer system have been closed circuit televised.

- Since 2008, 6.34 miles of the gravity sewer were smoke tested. Eighty-eight defects were found and corrected; mostly in private laterals.
- A small number of sewer system overflows have been recorded in the last five years (see Section 9).
- A condition assessment of the Auburn Ravine Drainage (piping above the Auburn Ravine Pump Station) was contracted to a consultant in 2007 and a Capital Improvement Plan report based on that assessment was completed in 2008.

The SMD 1 trunk sewer system can be broken into four major drainage areas (see Section 8). As noted above, a condition assessment for one was completed in 2008. The two remaining drainage areas have been televised. The fourth drainage area consists of pressure sewer pipe and cannot be inspected or smoke tested. Condition assessments for the three remaining areas will be completed prior to the preparation of a R&R plan.

### 4.3.3 SMD 1 Rehabilitation and Replacement Schedule

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

<b>Proposed Project</b>	<b>Completion Year</b>
CCTV Sewers	2018*
Pump Station Evaluation	2018*
Condition Assessment Report	2019*
Capacity Analysis	2020*
Capital Improvement Program	2021*

\*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 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 the 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**

**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 SMD 1 SSMP, the reader should review Section 7 of Volume 1 to better understand the methods chosen to control FOG in the SMD 1 Sewer System.**

### **7.2 Existing SMD 1 Sewer System**

See the “Introduction” of this SSMP, SMD 1 History and Description, for a summary of the district sewer system. There are a number of restaurants that are part of the existing FOG control program detailed in Section 7 of Volume 1. The District has three mobile home parks and a number of multi-family dwelling complexes. One of them, Auburn Greens at Highway 49 and Quartz Drive, has a history of excessive build up of FOG in the sewer system and is considered a hot spot for cleaning.

### **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 B” and “Program C”. All District homeowners need to receive Public Education Outreach through a newsletter and multi-family area renters need targeted education. The remaining FOG producing commercial connections should continue to be in the FOG Control Program, detailed in Section 7 of of Volume 1.

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**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 SMD 1 SSMP, the reader should review Section 8 of Volume 1 to better understand the methods chosen to evaluate the SMD 1 sewer system.**

**8.2 Existing SMD 1 Sewer System**

The existing sewer system in North Auburn has 105 miles of pipe and 7,934 EDUs connected. The district main trunk sewer system was built in 1961 along Highway 49 when the District was formed. A trunk sewer to the west of Highway 49 was constructed in 1983 when the Dewitt Center Wastewater Treatment Plant was decommissioned. The trunk sewer, which also served the Bell Road/Dry Creek Road area, was run to the wastewater treatment plant on Joeger Road. A third low pressure trunk sewer was completed in 2003 and serves the Christian Valley and Winchester developments.

The main trunk sewer, at its upstream end, collects wastewater from the general area around the Foresthill/Auburn Ravine Road off-ramp from I-80. The wastewater flows downhill to Auburn Ravine Road at the Auburn city limits. At that location, a sewage pump station pumps the wastewater down Auburn Ravine Road and up Marguerite Mine Road to Highway 49. From there it flows by gravity north to the wastewater treatment plant on Joeger Road.

SMD 1 Sewer System can be broken into 4 major sub-basin areas as follows:

- Dewitt Trunk Lines
- Edgewood/Hwy 49 South Trunk Lines
- Auburn Ravine/Lincoln Way Trunk Lines
- Airport Trunk Lines

SMD 1 has multiple pipe capacity issues along the Highway 49 trunk sewer. One issue is the 15 inch trunk sewer goes into a 14 inch inverted siphon at Luther Rd. During wet weather, the

system backs up due to Inflow and Infiltration (I&I). The flow is diverted into a pair of storage tanks that are then trucked to the Dewitt Trunk Line by County Utility staff.

Recent I&I analysis show that the Auburn Ravine and Edgewood sub-basins are the highest contributors to the I&I issues on the Highway 49 trunk sewer. County staff completed a Capital Improvement Project (CIP) and report for the entire Auburn Ravine basin in 2007. County staff instituted a number of sewer lining (using Cured-In-Place-Pipe lining) and manhole coating projects to repair several defects found in the public sewer collection systems in these two basins. Staff plans to perform additional metering and capacity analysis in these basins pursuant to the Table in section 8.5.

### **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 D” for the district Highway 49 trunk sewer and a “Type B” for the Dewitt trunk sewer and the Winchester trunk sewer. Due to the size of the District, they will be phased over the years. A capacity assessment for the Auburn Ravine Drainage was combined with a condition assessment (see Section 4.3.0). A report on both assessments was completed in 2008.

### **8.4 Capital Improvement Program and Funding**

Based on the results of the future Capacity Analysis proposed in Section 8.3 of Volume 1, if improvements are needed to the SMD 1 Sewer System, a CIP and Funding Program will be developed to meet those needs.

### **8.5 CIP Schedule**

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

<b>Proposed Assessment</b>	<b>Completion Year</b>
Flow Metering	2019*
Capacity Analysis and report completed	2020*
Capital Improvement Program and report completed	2021*

\*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. SMD 1 Measurement Categories**

Category	Units	Description	Unit	Number By Year					
				2008	2009	2010	2011	2012	2013
SSOs	--	Caused by Roots	Count	0	1	2	0	0	See note
SSOs	--	Caused by Grease	Count	0	0	0	1	1	See note
SSOs	--	Caused by Contractors	Count	0	0	0	0	0	See note
SSOs	--	Caused by Vandalism	Count	0	0	0	0	0	See note
SSOs	--	From Pump Stations	Count	0	0	0	0	0	See note
SSOs	--	From Other Causes	Count	2	1	3	3	4	See note
SSOs	--	Total Category 1	Count	1	1	1	4	2	See note
SSOs	--	Total Category 2	Count	1	1	4	0	3	See note
SSOs	--	Total SSOs	Count	2	2	5	4	5	See note
Gravity Sewers	Miles	CCTV Inspection Sewers	Miles	17.26	31.56	30.05	26.72	14.91	See note
Gravity Sewers	Miles	Clean Sewers	Miles	40.68	52.42	39.88	58.61	41.95	See note
Gravity Sewers	Miles	Sewer Rehabilitation Dig and Repair	Count	3	14	14	31	11	See note
Gravity Sewers	Miles	Sewer Rehabilitation Pipe Lining	Miles	1.17	.77	.8	1.52	.27	See note
Gravity Sewers	Miles	Smoke Test Sewers	Miles	3.26	0	0	4.28	.33	See note
Gravity Sewers	Miles	Root Treatment	Miles	4.6	6.4	2.52	1.24	1.95	See note
Force Mains	Miles	Force Main Pigged	Miles	0	0	.04	0	.55	See note

**Table 9.1. SMD 1 Measurement Categories - continued**

Category	Units	Description	Unit	Number By Years					
				2008	2009	2010	2011	2012	2013
Sewage Air Relief Valves	Each	ARV Maintenance	Count	13	157	41	180	71	See note
Manholes	Each	Manholes Rehabilitation	Count	38	54	0	14	10	See note
Pump Stations	Each	Pump Station Major Rehabilitation	Count	0	1	0	0	0	See note
STEP Tanks	Each	Tanks Pumped	Count	23	19	14	75	60	See note
STEP Units	Each	Units Repaired	Count	61	76	70	67	49	See note

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 performs 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.

**PLACER COUNTY SEWER MAINTENANCE DISTRICT 1  
(SMD 1) NORTH AUBURN  
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 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 SEWER MAINTENANCE DISTRICT 1  
(SMD 1) NORTH AUBURN  
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 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 SEWER MAINTENANCE DISTRICT 1  
(SMD 1) NORTH AUBURN  
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 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.**