

Element 5 - Design and Performance Standards

The standards and specifications used in new construction and repair of the existing the sanitary sewer system in order to ensure a high quality, well designed, and functioning sanitary sewer system is identified in the SSMP Element.

5.1 Regulatory Requirements

WDR Order No. 2006-0003-DWQ Section D.13(v) states that the SSMP must identify:

- (a) Design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and
- (b) Procedures and standards for inspection and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.

5.2 Design and Construction Standards

The District follows the standards and specifications of the Member Agency that has jurisdiction over the area where the work is done. Design and construction standards for each Member Agency are available on the following websites:

- City of Arroyo Grande
City of Arroyo Grande Engineering Standards for Sewers and Sanitation:
<http://www.arroyogrande.org/document-center/standards/engineering-standards/section-2/>
- City of Grover Beach
City of Grover Beach Standards and Specifications, Section 6 Sewerage:
<http://www.grover.org/DocumentView.aspx?DID=268>
- Oceano CSD
San Luis Obispo County Department of Public Works Standard Improvement Specifications and Drawings:
<http://www.slocounty.ca.gov/PW/DevServ/PublicImprovementStandards.htm>.

When the District has jurisdiction over a connection to the trunk system, the current version of the *San Luis Obispo County Department of Public Works Standard Improvement Specifications and Drawings* are utilized. These standards are located at the San Luis Obispo County website at:
<http://www.slocounty.ca.gov/PW/DevServ/PublicImprovementStandards.htm>.

The District may use a combination of measures, such as spot repairs, linings, coatings, etc., depending on the site-specific conditions to restore trunk system performance to acceptable levels when rehabilitating or repairing a sewer line. The current version of the *Greenbook Standard Specifications for Public Works Construction, Part 5 System Rehabilitation* is used as the basis for design.

5.3 Inspection Procedures and Standards

The District provides inspections during the construction and repair of sewer facilities along the trunk lines through a licensed contractor. The District's standard procedure requires work to be placed into service only after it is accepted by the District Engineer or his delegate following satisfactory inspection and testing. A copy of the District's standard procedure for trunk sewer connections is included in Appendix 5A.

Inspection and testing requirements for sanitary sewer system components are followed as described by the current version of the *Greenbook: Standard Specifications for Public Works Construction* and include closed-circuit television inspection and air-pressure and mandrel testing of gravity sewer mains. The sections of the *Greenbook* utilized by the District are:

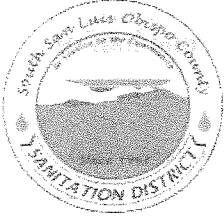

- Section 207 Pipe
- Section 500 System Rehabilitation

The District has the authority to enforce inspection and testing to new, rehabilitated, and repaired facilities, as described in SSMP Element 3: Legal Authority. The District currently contracts out this work.

Appendix 5A

Standard Procedure for Trunk Sewer Connections

O-SOP-021

	Standard Operating Procedure		Document No:
	South San Luis Obispo County Sanitation District		O-SOP-021
Title:		Page:	
Trunk Sewer Connection Request		1 of 2	
		Revision:	
		0	
Issued by:	Prepared by:	Date Issued:	
Bob Barlogio	Aaron Yonker	September 7, 2011	

**South San Luis Obispo County Sanitation District
Operating Procedures**

1.0 Purpose

- A. The purpose of this Standard Operating Procedure (SOP) is to establish a uniform process for compliance for checking and approving connections to the South San Luis Obispo County Sanitation District's (District) Trunk Sewer Collection System.
- B. The SOP outlined is applicable to the Plant Superintendent, District Administrator, and District Engineer. The District staff or hired engineering contractor conducting this procedure must be familiar with the San Luis Obispo County Public Works Standard Construction Details for sewer systems.

2.0 Procedure

- A. Applicant contacts the Plant Superintendent or District Bookkeeper at the District and submits project plans for connection request.
- B. District forwards project plans to the District Engineer.
- C. District Engineering Staff updates connection tracking spreadsheet and continues to update with each new submittal, response or project closeout.
- D. District Engineering Staff contacts the District's attorney to create a resolution for the District Board of Directors to approve a new connection request to the District trunk line.
- E. The District calculates sewer connection fees upon Board review.
- F. Developer pays one half of fees as determined by District.

- G. District notifies District Engineering Staff that Developer has paid one half of fees.
- H. District Engineering Staff reviews project plans and provides Applicant with SSLCOSD Connection Requirement Package tailored to location and connection type (Manhole vs. Pipe, ACP vs. VCP) utilizing version of the San Luis Obispo County Department of Public Works Standard Improvement Specifications and Drawings. These standards are located at the San Luis Obispo County website at: <http://www.slocounty.ca.gov/PW/DevServ/PublicImprovementStandards.htm>.
- I. Applicant completes connection requirement package and submits to District Engineering Staff for review.
- J. District Engineering Staff provides Plan Check Comments if required and reissues to Applicant for correction.
- K. If approved, Conditions of Approval are generated by District Engineering Staff and forwarded to the Applicant with instruction to notify District Engineering Staff in writing a minimum of 48 hours prior to beginning construction within the Trunk System easement and/or connection.
- L. Applicant submits notification to District Engineering Staff informing District Engineering Staff of construction/connection date.
- M. District Engineering Staff performs on-site inspection and completes necessary observation checklist, daily construction report and documents connection sequence through photographic record.
- N. Applicant notifies the District Bookkeeper or Plant Superintendent at the District that the connection is complete.
- O. District contacts Applicant, and Applicant pays remaining fees.
- P. Sewer service is activated.
- Q. District Engineering Staff updates connection tracking spreadsheet.

