

Section 6 - Design and Performance Provisions

A. Introduction

The intent of this section of the SSMP is to summarize the City's sewer system design, inspection, and construction requirements for constructing new sewer components including the sewer pipelines, manholes, and pumping stations or for rehabilitating or replacing existing manholes or pipelines.

A. Regulatory Requirement

The SSMP must identify:

1. 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
2. Procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects

B. City of Ceres Design and Performance Provisions

The Ceres, CA Municipal Code states that any owner of an undeveloped subdivision, tract, area, or lot with the sewer district may make private arrangements to construct sewer lines to serve the subdivision, tract, area, or lot in accordance with plans and specifications prepared by a registered engineer in accordance with the City's improvement standards. Section I of the Improvement Standards contains General Provisions for all projects, Part B of Section II contains requirements for Sanitary Sewers, and Part C of Section III contains construction requirements for Pipeline Construction.

Attached to the end of this section are copies of the Table of Contents for the Improvement Standards. After this are copies of the following:

- The first page of the General Provisions referring the latest edition of the California Standard Specifications (Page 2 of the Improvement Standards)
- Pages 10 to 14 which cover Part B Sanitary Sewers under Section II
- Pages 41 and 42 which cover Part C Pipeline Construction Requirements of Section III

Also attached are copies of the following standard drawings:

- Plate S-1: Sanitary Terminal Manhole
- Plate S-2: Sanitary Drop Manhole
- Plate S-3: Sanitary Lamphole Standard
- Plate S-4: House Service Lateral
- Plate S-5: Grease and Sand Interceptor

These are the applicable design standards and drawings for sanitary sewer construction.

For inspection and acceptance, an engineering technician will spot check new construction about once per day. When the developer indicates that the construction is complete, an air test is performed with the engineering technician on site during the air test to observe the results. After the new piping has passed the air test on sewer mains, the City will then clean and inspect the pipeline using the closed circuit television inspection equipment owned by the City. A target “bullet” is pulled ahead of the television inspection camera so that the severity of any sags in the pipeline can be observed and measured.