

## **Section V – Design and Performance Provisions**

### **Background and Regulatory Requirements**

The Statewide WDRs governing sanitary sewers specify the development and implementation of design and performance provisions as an element of each Wastewater Collection Agency's Sanitary Sewer Management Plan (SSMP). Specifically, design and construction standards and specifications must be in place for the installation of new facilities and for the rehabilitation and repair of existing facilities. Additionally procedures and standards should be in place for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.

### **Leucadia Wastewater District Actions**

Certified by the District Engineer, the District maintains a set of standard specifications and drawings which are adopted by Board resolution and called the *Standard Specification and Procedures for Wastewater Facilities*, also known as the "LWD Standard Spec." The District adopted its original set of standard specifications in November 1970, and since that time, has reviewed, updated, and readopted the document periodically to match the changing design and construction environment and to meet the needs of the District. Currently, the District Engineer reviews the LWD Standard Spec every three years to determine if revisions are necessary. The LWD Standard Spec is then stamped and signed by the District Engineer prior to Board adoption. The District is presently in the process of completing a revision to the LWD Standard Spec which is anticipated to be adopted by the Board in the fall of 2009.

The LWD Standard Spec functions as the primary document provided for sewer construction. In addition to the standard specifications and drawings, it also identifies the procedures that must be followed for the District to ultimately accept privately constructed facilities. As the author of these requirements and the enforcer of adherence to these guidelines in acceptance of facilities, the District follows these same standards and specifications in the development of its own CIP projects. As part of the plans and specification for a District CIP project, the Engineer of Record for the capital project incorporates the LWD Standard Spec by reference and oversees and approves any deviations from the sections as necessary for the specific project.

The LWD Standard Spec includes the following:

- Design and Construction Standards and Specifications for the installation of
  - new sanitary sewer systems,
  - pump stations, and
  - appurtenances.
- Design and Construction Standards and Specifications for the rehabilitation and repair of existing sanitary sewer systems

- Procedures and Standards for inspecting and testing the installation of
  - new sanitary sewer systems,
  - pump stations, and
  - appurtenances.
- Procedures and Standards for the rehabilitation and repair of existing sanitary sewer systems

In addition to the above, the LWD Standard Spec also includes:

- the preparation and processing of privately constructed wastewater facilities,
- sewer system planning guidelines,
- the District Standard Drawings, and
- standardized forms for easements, encroachments, annexations, etc.

**District Documents Referenced By This Section**

- District Standard Spec