

CHAPTER 2

PIPE SPECIFICATIONS & INSPECTION

Pipe Specifications

The engineer's plans and specifications describe the materials, methods and scope of work to be performed. These specifications frequently refer to standards established by recognized professional organizations which serve as excellent supplements to procedures contained in the contract specifications.

The design documents must specify the standards for all pipe materials. Established standards serve to clarify the minimum performance standards the pipe must meet in order to appropriately serve the remaining design parameters.

Pipe material specifications change project design considerations, so pipe materials cannot be treated as interchangeable.

Pipe Inspection

VCP (Vitrified Clay Pipe) is inspected and measured for compliance with quality standards at the factory. It should be inspected at the point of delivery and again immediately prior to installation. Rejected pipe shall not be marked or defaced in any manner. The supplier must be notified immediately of the reason(s) for rejection.

ASTM Standards

Those concerned with pipe installation should be familiar with the latest revision of regional construction specifications and the following American Society for Testing and Materials (ASTM) Specifications:

- C12** *Standard Practice for Installing Vitrified Clay Pipe Lines*
- C301** *Standard Test Methods for Vitrified Clay Pipe*
- C425** *Standard Specification for Compression Joints for Vitrified Clay Pipe and Fittings*
- C700** *Standard Specification for Vitrified Clay Pipe; Extra Strength, Standard Strength and Perforated*
- C828** *Standard Test Method for Low-Pressure Air Test of Vitrified Clay Pipe Lines*
- C896** *Standard Terminology Relating to Clay Products*
- C923** *Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes and Laterals*
- C1091** *Standard Test Method for Hydrostatic Infiltration Testing of Vitrified Clay Pipe Lines*
- C1208/1208M**
Standard Specification for Vitrified Clay Pipe and Joints for Use in Jacking, Sliplining, Pipe Bursting and Tunnels

