

STANDARD DESIGN CRITERIA

PIPE SIZE

- 4" diameter minimum for individual gravity building sewer (lateral)
- 2" diameter minimum for conventional pump residential force main system
- 1.25" diameter minimum for grinder pump residential force main system
- 8" diameter minimum for public (CVSan maintained) collector sewers

PIPE TYPE

Vitrified Clay Pipe (VCP) may be used:

- On all gravity public collector sewers and building sewers (laterals)
- Where cover is greater than 4 feet in areas subject to vehicular loadings
- Where cover is greater than 2 feet in areas not subject to vehicular loadings
- Where pipe slope is less than 20%

Ductile Iron Pipe (DIP) or Cast Iron Pipe (CIP) must be used:

- Where cover is less than 4 feet and greater than 2 feet in areas subject to vehicular loadings
- Where cover is 2 feet or greater in areas not subject to vehicular loadings
- Where pipe slope is greater than 20%
- In special circumstances, as required by CVSan

High Density Polyethylene (HDPE SDR-17) may be used:

- On building sewers subject to CVSan Code Specifications
- On all residential forced main systems
- Where cover is greater than 4 feet in areas subject to vehicular loadings
- Where cover is greater than 2 feet in areas not subject to vehicular loadings
- Where pipe slope is less than 20%

The authority of the Castro Valley Sanitary District (CVSan) is granted under the provisions of Division 6, Part 1 of the Health and Safety Code of the State of California. This "Mini Spec" is intended to provide property owners and contractors with a basic understanding of CVSan's Code requirements for the installation of sewer laterals.

Article III of the Castro Valley Sanitary District Code provides the General Provisions and Specifications for Construction of Sanitary Sewers. This document is available for viewing on our website, www.cvsan.org. The Mini Spec can also be found on the website or at either of the CVSan offices, 21040 Marshall Street and 20211 Patio Drive, Suite 200.

Remember, no unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer, private lateral, or appurtenance thereof without first obtaining a written permit from the Castro Valley Sanitary District (CVSan Code 4112).



MINI SPEC

Excerpts from General Provisions & Specifications for the Construction of Sanitary Sewers (Revised November 2017)

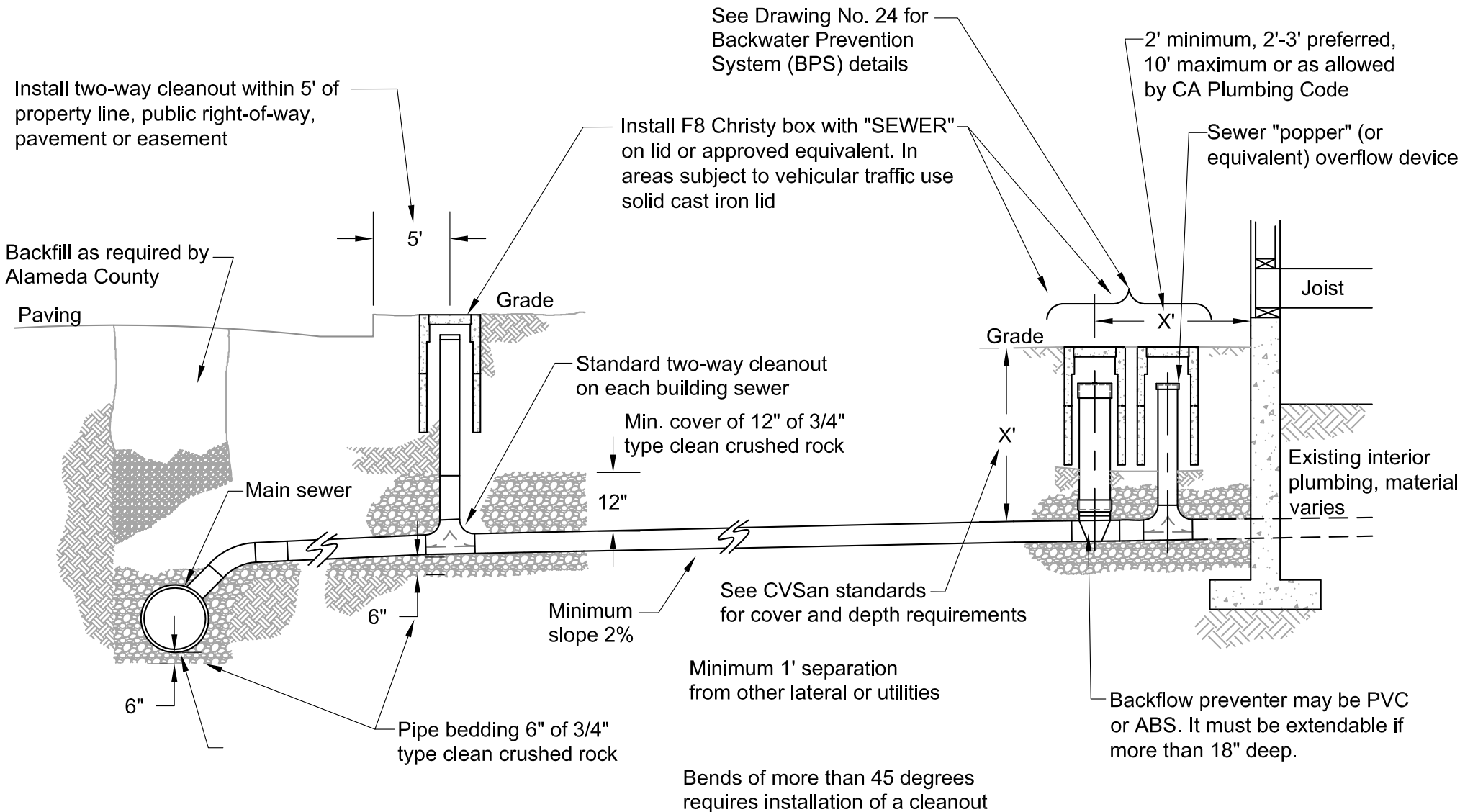
For additional information, please contact:

CASTRO VALLEY SANITARY DISTRICT

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CASTRO VALLEY SANITARY DISTRICT



All sanitary sewer construction must comply with the Castro Valley Sanitary District Code, General Provisions and Specifications for Construction of Sanitary Sewers, and CA Uniform Plumbing Code.

TESTING REQUIREMENTS

1. Prior to backfilling
2. Air or water test performed to CVSAn Standards