

**SECTION 33 3113  
SITE SANITARY SEWERAGE GRAVITY PIPING**

**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Sanitary sewerage drainage piping, fittings, and accessories.
- B. Connection of building sanitary drainage system to municipal sewers.

**1.02 RELATED REQUIREMENTS**

- A. SBMWD Standard Specifications and Drawings for Construction of Domestic Water Systems
- B. Section 31 2316 - Excavation: Excavating of trenches.
- C. Section 31 2316.13 - Trenching: Excavating, bedding, and backfilling.
- D. Section 31 2323 - Fill and Backfill: Bedding and backfilling.

**1.03 DEFINITIONS**

- A. Bedding: Fill placed under, beside and directly over pipe, prior to subsequent backfill operations.

**1.04 REFERENCE STANDARDS**

- A. ASTM D3034 - Standard Specification for PVC non-pressure Sewer Pipe; latest edition.
- B. ASTM D3212 - Standard Specification for PVC non-pressure Sewer Pipe; latest edition.

**1.05 SUBMITTALS**

- A. Product Data: For each type of product indicated.

Enclosure #49  
Fire Station #227  
11/17/25

**PART 2 PRODUCTS****2.01 SEWER PIPE MATERIALS**

- A. PVC Pipe ASTM D3034 SDR 35.
- B. Fittings: Same material as pipe molded or formed to suit pipe size and end design, in required tee, bends, elbows, cleanouts, reducers, traps and other configurations required.

**2.02 CLEANOUTS**

- A. Cleanouts shall be in conformance with the SBMWD standard drawing S.303 and the construction plans.

**PART 3 EXECUTION****3.01 TRENCHING**

- A. Trench excavation shall be in conformance with section 3-03.03 and 3-08 of the SBMWD Standard Specifications and Drawings for Construction of Domestic Water Systems.
- B. Backfill around sides and to top of pipe with cover fill, tamp in place and compact, then complete backfilling.

**3.02 INSTALLATION - PIPE**

- A. Lay pipe to slope gradients noted on layout drawings; with maximum variation from true slope of 1/8 inch in 10 feet.
- B. Connect to building sanitary sewer outlet and municipal sewer system, through installed sleeves.

**3.03 INSTALLATION - CLEANOUTS**

- A. Install cleanouts in aboveground piping and building drain piping according to the following, unless otherwise indicated:
  - 1. Locate at each change in direction of piping greater than 45 degrees.
  - 2. Locate at minimum intervals of 50 feet.

3. Locate at base of each vertical soil and waste stack.

**3.04 PROTECTION**

- A. Protect pipe and bedding cover from damage or displacement until backfilling operation is in progress.
- B. Protect drains during remainder of construction period to avoid clogging with dirt or debris and to prevent damage from traffic or construction work.
- C. Place plugs in ends of uncompleted piping at end of each day or when work stops.

**END OF SECTION**

Enclosure #50  
Fire Station #227  
11/17/25