

SECTION 1017 PRECAST CONCRETE SEWER AND DRAIN UNITS

Delete this Section in its entirety and replace with the following:

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1017-1 PRECAST CONCRETE BOX CULVERTS: Precast reinforced concrete box culvert sections shall conform to ASTM C 850, table 1.

1017-2 PRECAST CONCRETE MANHOLES:

- a. Precast reinforced concrete manhole sections, transitions, conical sections, and base shall conform to ASTM C 478 and shall be designed for an AASHTO HS-20 loading. Frames and covers shall conform to Subsection 1011-5. Lifting inserts shall be embedded in manhole walls; through-wall holes will not be permitted.
- b. Pipe connection openings shall be 4"±1/2" larger than pipe O.D.
- c. Sewer manhole bases shall have paved inverts, and sewer manhole sections shall have rubber gasket joints conforming to ASTM C 990 or C 443.
- d. Sewer manholes shall be externally sealed with rubber seal wraps conforming to ASTM C 877 (Type III – Chemically-Bonded Adhesive Butyl Bands).

1017-3 PRECAST CONCRETE DRAIN INLETS AND JUNCTION BOXES:

- a. Materials, workmanship and curing shall be as specified for precast manholes in ASTM C 478. Frames, grates and covers shall conform to Subsection 1011-5. Lifting devices shall be embedded in walls; through-wall holes will not be permitted.
- b. Pipe connection openings shall be 4"+1/2" larger than pipe O.D.