

SECTION 120

REINFORCED CONCRETE PIPE

120.1 REQUIREMENTS

Reinforced concrete pipe shall conform to the requirements of AASHTO M170, M206 and M207. The pipe and fittings shall be manufactured at a pre-cast facility that is certified by the American Concrete Pipe Association and is approved for supplying products to the South Dakota Department of Transportation.

A. Basis of Acceptance

The acceptability of the pipe will be determined based on plant load-bearing tests, compressive strength of concrete, materials tests, and inspection of the complete product, including installation, as required.

B. Related Work

Section 11	Utility Excavation & Backfill
Section 54	Pipe Culverts
Section 58	Pre-cast Concrete Box Culvert
Section 62	Drop Inlets
Section 63	Storm Sewer Manholes

120.2 MATERIALS

Materials shall conform to the requirement of the following sections:

1. Portland Cement shall be Type II, conforming to Section 100.
2. Water shall conform to Section 104.
3. Fine aggregate shall conform to Section 105.
4. Coarse aggregate shall conform to Section 107, except the gradation requirements shall not apply.
5. Reinforcement shall conform to Sections 57 & 123.
6. Air entraining admixtures shall conform to Section 101.
7. Chemical admixtures shall conform to Section 102.

120.3 CONSTRUCTION REQUIREMENTS

The concrete in special sections shall have a minimum compressive strength of 4000 psi. The strength shall be determined by test cylinders or by cores. Tests with the Swiss Hammer may be used to supplement the tests.

Pipe culverts and storm drains (storm sewers) shall be tested in accordance with the provisions contained in Section 54 – Pipe Culverts.

**120.4 METHOD OF MEASUREMENT &
120.5 BASIS OF PAYMENT**

Measurement and payment for reinforced concrete pipe culvert shall be as called for in Sections 54 and 58 of these Specifications.

END OF SECTION