

SECTION 104

WATER FOR USE IN PORTLAND CEMENT CONCRETE

104.1 DESCRIPTION

A. General: Water for use in portland cement concrete, mortar and cement stabilization or similar uses shall be as described herein.

B. Related Work:

Section 40	Portland Cement Concrete Pavement
Section 50	Precast Concrete
Section 55	Cast in Place Concrete Structures
Section 56	Class M6 Concrete for Curb & Gutter and Flatwork
Section 58	Concrete Box Culvert
Section 60	Concrete Curb and Gutter
Section 61	Concrete Sidewalk, Curb Ramps and Detectable Warning Surfaces
Section 62	Drop Inlets
Section 63	Storm Sewer Junction Boxes and Manholes
Section 200	Controlled Low Strength Material
Section 203	Submittals

104.2 MATERIALS

A. Requirements: Water shall be from a potable water source. Water used in portland cement concrete and cement stabilization shall be clean and free of the following: oil, salt, acid, alkali, sugar, vegetation, effluent from a sewage disposal plant, and other substances detrimental to the finished product.

Water containing suspended matter shall be checked for total solids. The total solids shall not exceed 50,000 parts per million.

Water shall be tested for pH and dissolved solids. The pH shall be no less than 6.0 or more than 8.6. Maximum dissolved solids shall be no more than 2,500 parts per million.

B. Testing:

Total Solids	ASTM C1603
Dissolved Solids.....	South Dakota DOT SD 415
pH.....	Manufacturer Instructions with Meter

104.3 METHOD OF MEASUREMENT

Water used in portland cement concrete and cement stabilization shall be incidental to the various bid items. There will be no separate measurement for water used in portland cement concrete and cement stabilization.

104.4 BASIS OF PAYMENT

Water used in portland cement concrete and cement stabilization shall be incidental to the various bid items. There will be no separate payment for water used in portland cement concrete and cement stabilization.

END OF SECTION