

**SPECIFICATIONS - DETAILED PROVISIONS**  
**Section 15072 - Asbestos-Cement Water Pipe**

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**SECTION 15072**  
**ASBESTOS-CEMENT WATER PIPE**

**PART 1 - GENERAL**

**1.01 REQUIREMENT**

It is required that the Contractor shall furnish, deliver, unload and string along the trench site, all pipe and material as hereinafter described in these specifications. All fabrication, workmanship, material and testing of pipe shall conform to the latest revision of the specifications hereinafter described, except as otherwise specified herein or approved by the Engineer. Approval by the Engineer, whenever required, shall be in writing.

**1.02 DELIVERY**

Pipe shall be delivered with one coupling and one ring assembled on each standard length as required.

**1.03 MEASUREMENT AND PAYMENT**

Payment for pipe shall be made on a unit price basis per lineal foot of pipe.

**PART 2 - PRODUCT**

**2.01 TYPE OF PIPE**

Asbestos-cement pipe shall conform to the latest revision of AWWA Specs. C400 and ASTM Specs. C296, C500, D-1869, with Ring-Tite or Fluid Tite joints or approved equal. Up to 10% of the total footage for each size of pipe may be in random lengths. Lengths shall be predetermined to meet joint location requirements.

**2.02 CLASS OF PIPE**

Asbestos-cement pipe shall be Class 150 except where noted otherwise.

**2.03 FREE LIME CONTENT**

The uncombined calcium hydroxide shall not exceed 1.0%, and the pipe shall be Type II as designated in ASTM C500 and in AWWA C-400-80.

**2.04 COUPLINGS AND RINGS**

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Machined pipe and couplings and rubber rings furnished shall be of such design for which there is available from local stock, cast iron fittings and gate valves having bells with sealing ring grooves of the same profile design as the ring groove of the couplings. Rubber rings shall be solid in cross section and shall use a compression seal principle. In the assembled position, the ring shall be compressed not less than 30% nor more than 50%.

**2.05 SERVICE CONNECTION OUTLETS**

Service connection outlets shall be single or double heavy tapped couplings with physical stops, with 1-1/4" I.P. outlets for 1" and 3/4" meter service connections, to be installed at the time the main pipeline is installed.

Service connection piping in sizes larger than 1" I.P.S. shall require service connection outlets by service clamps as specified on the standard drawings.

**PART 3 - EXECUTION**

**3.01 FACTORY TESTING**

All pipe shall be tested in the United States and Certification of the testing shall be furnished to the Engineer prior to delivery upon his request. The Engineer may be present during physical testing of the pipe. The hydrostatic test at the factory, conforming to values in AWWA C400-65, shall be carried out with a coupling assembled on one end of each pipe (belled) unless waived by the Engineer. If waived by the Engineer, each joint of pipe and each coupling shall be tested separately to meet AWWA C400-65.

**END OF SECTION 15072**