

PLANT AND YARD PIPING

The work under this item includes furnishing and installing all pipe and fittings, valves and other materials, and constructing complete, ready for use, all yard or outside piping and all plant piping, including all accessory work in connection therewith, all as shown on the plans and as hereinafter specified.

Plant and yard piping shall be cast iron or ductile iron and concrete pipe as shown on the plans.

CAST IRON PIPE AND FITTINGS

All cast iron pipe and fittings shall be Class 150 cast iron pipe complying with ASA specifications A21.8-1962 or A21.6-1962, fittings to correspond, with thicknesses in accordance with tables 6.4 and 8.4 in the foregoing specifications for 8.0 ft. cover and laying condition B.

All cast iron pipe and fittings shall be cement mortar lined in accordance with AWWA C-104-64 and coated on the outside with coal-tar enamel in accordance with the appropriate standard.

CAST IRON PIPE JOINTS

Flanged joints shall be made with full face asbestos composition gaskets; flanges faced and drilled 125# American Standard.

DUCTILE IRON CENTRIFUGALLY CAST

All ductile-iron pipe shall be manufactured in accordance with and meet the requirements of AWWA C151-65/ASA 21.51-1965. The pipe shall be coated and lined as specified under CAST IRON PIPE. Pipe shall be in accordance with Table 51.1 in the foregoing specifications for 8 ft. of cover and laying condition B.

REINFORCED CONCRETE WATER PIPE

All reinforced concrete water pipe shall be manufactured in accordance with AWWA "Standard Specification C300-64 Cylinder Type, Not Prestressed" for 100 psi internal pressure.

Sections 1, 2, 3 and 4 shall govern with the following additions:

Sec. 1.2 Par. 1.2.9 External loads - Pipe shall be designed for an external load of 18,000# per linear foot.