

SECTION 124

REINFORCED CONCRETE PRESSURE PIPE

124.1 GENERAL

These specifications cover three types of reinforced concrete pressure pipe, two of which are not prestressed and one prestressed, with internal diameters of 12 inches and larger and for pressures specified on the plans, to be used in the transmission and distribution systems that carry water under pressure.

124.2 REFERENCES:

124.2.1 ASTM

C 361

124.2.2 AWWA

C 300

C 301

C 302

124.3 MANUFACTURE AND TESTS

Reinforced concrete pressure pipe and fittings shall be manufactured and tested to conform to one of the following specification requirements:

124.3.1 AWWA C 300 for the steel bar reinforcement and cylinder type in pipe diameters of 24 inches and larger, for design pressures no greater than 40 psi, and for external loading conditions as may be designated on the plans or in the Supplementary Specifications.

124.3.2 AWWA C 301 for the prestressed steel wire reinforcement and cylinder type, in pipe diameters of 30 inches and larger, for design pressures to a maximum of 350 psi, and for external loading conditions as may be designated on the plans or in the Supplementary Specifications.

124.3.3 AWWA C 302 for the steel bar reinforcement (without cylinder) type, in pipe diameters 12 inches and larger, for design pressures of not more than 45 psi, and for external loading conditions as may be designated on the plans or in the Supplementary Specifications.

124.4 MEASUREMENT AND PAYMENT

124.4.1 When required as a separate material item, the measurement shall be by the linear foot and payment will be made at the unit price per linear foot per diameter of pipe, as specified in the Bid Proposal.

124.4.2 Reinforced concrete pressure pipe, when used in conjunction with a project, the measurement and payment will be as defined in Section 901 or 910.