

SECTION 026210
POLYVINYL CHLORIDE PIPE
(AWWA C900 Pressure Pipe for Municipal Water Mains and
Wastewater Force Mains)

1. DESCRIPTION

This specification shall govern all work necessary for furnishing all AWWA C900 PVC pipe required to complete the project.

2. MATERIALS

PVC pipe shall be made of Class 12454-A or Class 12454-B virgin compounds, as defined in ASTM D1784 with an established hydrostatic-design-basis of 4000 psi for water at 73.4 degrees F.

2.1. DIMENSIONS

Pipe shall be manufactured to ductile iron pipe equivalent outside diameters.

2.2. JOINTS

Pipe shall have a gasket bell end with a thickened wall section integral with the pipe barrel. The use of solvent weld pipe shall not be allowed.

2.3. GASKETS

Gaskets for jointing pipe shall be in accordance with ASTM F477 (High Head).

2.4. PIPE PRESSURE CLASS AND DIMENSION RATIO

Unless indicated otherwise on the drawings, AWWA C900 pipe shall have a dimension ratio (DR) of 18.

2.5. CAUSE FOR REJECTION

Pipe shall be clearly marked in accordance with AWWA Requirements. Unmarked or scratched pipe shall be rejected.

2.6. CERTIFICATION

The Contractor shall furnish in duplicate to the OAR a copy of the manufacturer's affidavit of compliance with this specification, to include gaskets. Certification shall accompany each delivery of materials.

3. CONSTRUCTION METHODS

Comply with requirements of Section 026402 "Waterlines."

4. MEASUREMENT AND PAYMENT

Unless otherwise specified in the Bid Form, AWWA C900 PVC pipe will be measured by the linear foot along the centerline for each size of pipe installed. Measurement of pipe shall be up to, but not include, the fittings.

Payment shall include all labor, materials, tools and equipment for the completed installation, backfilling and testing of the AWWA C900 PVC pipe, together with all incidentals necessary to install the pipe complete in place, per linear foot.