

## ITEM 464

### PVC PIPE

- 464.1 Description. This item shall govern for the furnishing and installation of PVC pipe, including all fittings, painting when necessary and all incidentals necessary to do the work in accordance with the plans and this specification.
- 464.2 Material. The plastic pipe and fittings shall meet the requirements of ASTM D3034, F949 or D2680, and the pipe shall have a minimum of 46 psi pipe stiffness and be of the nominal pipe size shown on the plans. All PVC pipes shall be made of resins meeting ASTM D1784 cell classifications 12454B or 12454C. The Contractor shall furnish manufacturer's certification that the pipe and fittings furnished to the project meet the ASTM requirements above.
- Pipe and fittings shall be free from defects which, in the judgment of the Engineer, would hinder their ability to function as planned.
- The dimensions of the PVC pipe shall be as shown on the plans. The fittings supplied shall properly fit the pipe supplied and shall be the same color as the pipe.
- 464.3 Construction Methods. The pipe shall be installed at the locations, lines, grades and dimensions shown on the plans or as revised by the Engineer in full accordance with ASTM D2321. All fittings shown on the plans and any other fittings necessary to properly install the pipe, including splice fittings, if necessary, shall be attached to the pipe by solvent welding according to the manufacturer's recommendations.
- Splicing will not be allowed unless the required length of a straight section of pipe exceeds 30-feet. This requirement may be waived by the Engineer for special conditions.
- Devices required to attach the pipe to portions of structures or to other types of pipe shall be as shown on the plans or as approved by the Engineer.
- Backfill material required for installation of the pipe, shall be performed according to the Item, "Construction of Underground Utilities". Bedding material for PVC pipe shall be as shown by the Item, "Construction of Underground Utilities".
- After installation of all pipe and fittings which will be exposed to view in the completed structure shall be cleaned.
- 464.4 Measurement. PVC pipe shall be measured by the **linear foot** along the centerline of the pipe as installed, for the various sizes required. Any excavation and backfill required will not be measured for payment, but shall be subsidiary to this item.

464.5 Payment. Payment for PVC pipe measured as prescribed above will be made at the unit price bid per **linear foot** for "PVC Pipe" of the various sizes required. Payment shall be full compensation for furnishing and installing the PVC pipe, for all fittings, clamps, anchors, guard plates, bedding, excavation and backfill, painting labor, tools, equipment and incidentals necessary to complete the work.

END OF ITEM 464