

ITEM 603.9400xx07 – FURNISH AND INSTALL HDPE PIPE

DESCRIPTION

Under this item, Contractor shall furnish and install a High Density Polyethylene (HDPE) pipe, fittings, brackets and connecting straps of the size indicated in accordance with subsection 706-11, the contract documents and as directed by the Engineer.

MATERIALS

The High Density Polyethylene pipe material must conform to ASTM F714 (Smooth Wall). All pipe supplied shall be clearly marked with the appropriate ASTM as certified. Nominal pipe size is determined by an outside diameter. All bracket assemblies, bolts, nuts, washers, and connecting straps shall conform to A325 steel.

CONSTRUCTION DETAILS

Special care in handling shall be exercised during delivery and distribution of pipe to avoid damage. Damaged pipe shall be rejected and replaced at Contractor's expense.

Contractor shall fuse all joints and/or fittings in order to provide a watertight seal, in accordance with the manufacturer's recommendation for fusion joints.

Contractor shall install pipe, fittings, brackets, and connecting straps as shown in the plans.

METHOD OF MEASUREMENT

This item will be measured as the number of linear meters of pipe satisfactorily furnished and installed, measured along the bottom centerline of the pipe, in accordance with the contract documents.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete this work including pipe, fittings, brackets, straps and drilling and grouting of bolts.

Excavation and backfill will be paid for under their respective items.

xx Denotes Size of Pipe - NPS