

SLEEVES FOR UTILITIES

****From Hartford IM BLDG(10)**

- xx. DESCRIPTION. This work shall consist of the furnishing and installation of sleeves for public or private utilities. Sleeves are hereby defined as encasements for utility lines and are also known as ducts, casings, and conduits.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 625 of the Standard Specifications.

- xx. MATERIALS. Smooth walled steel sleeves shall be new plain steel pipe with a minimum wall thickness of 8.33 mm (0.328 inches). The sleeve shall conform to ASTM A 139 and shall have minimum yield strength of 241 MPa (35,000 PSI).

- xx. INSTALLATION. Carrier pipe (water, sewer, gas) shall be installed in a sleeve with size and type as shown in the Plans.

Following installation of the sleeve, casing spacers shall be installed on the carrier pipe prior to the carrier pipe being inserted into the sleeve. Casing spacers shall be spaced a maximum of 2.4 m (8 feet) apart along the length of the carrier pipe with one casing spacer within 600 mm (2 feet) of each side of a pipe joint and the rest evenly spaced. Casing spacers shall be PSI Ranger II casing spacers by Pipeline Seal and Insulator, Inc., Cascade Casing Spacers by Cascade Waterworks Manufacturing Co., or equal.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Steel Sleeve, Smooth Walled) of the size specified to be measured for payment will be the number of meters (linear feet) installed in the complete and accepted work.

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Steel Sleeve, Smooth Walled) of the size specified will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for fabricating, furnishing, transporting, handling, saw cutting, and placing all materials, including pull wire and end caps, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Blocking (skids), stainless steel straps, casing spacers, end seals, bituminous concrete pavement, portland cement concrete pavement, reinforcing steel, emulsion, subbase materials, brick end walls, and other materials required in conjunction with sleeves will be considered incidental to Special Provision (Steel Sleeve, Smooth Walled).

Excavation and backfill of trenches and borings or jacking pits for the placement of sleeves for utilities will be considered incidental to Special Provision (Steel Sleeve, Smooth Walled).

Payment will be made under:

10/5/2011

<u>Pay Item</u>	<u>Pay Unit</u>
900.640 Special Provision (Steel Sleeve, Smooth Walled)(# X X mm (X"))	Meter (Linear Foot)