

## ITEM 803 TAPPING SLEEVES AND VALVES

- 803.01 Description**  
**803.02 Valves and Sleeves for Mains**  
**803.03 Installation**  
**803.04 Valve Boxes**  
**803.05 Concrete Supports**  
**803.06 Not Used**  
**803.07 Basis of Payment**

**803.01 Description.** The Contractor shall provide all work required to furnish and install the tapping sleeves and valves complete in service and as herein specified.

**803.02 Valves and Sleeves for Mains.** Unless approved by the Administrator, Division of Power and Water, provide mechanical joint type tapping sleeves designed for use on the class of pipe the Contractor plans to tap. Provide mechanical joint sleeves in accordance with the current Approved Materials List. Provide castings that conform to the requirements of Item 804.

Provide tapping valves that conform in all respects to the requirements of Item 802. Provide inlet joints designed for the sleeve provided. Provide mechanical joint outlet ends and seat rings of sufficient size to permit passage of the tapping machine cutters.

**803.03 Installation.** Expose the existing main to verify dimensions prior to ordering sleeve and valve. After installation of the sleeves and valves at the designated locations, but before cutting made or installation of any concrete supports or backers, pressure test the sleeves and valves to check for leaks. Test the sleeves and valves for taps into ductile iron mains, under 150 pounds per square inch air or water pressure. For taps into concrete mains an outlet size less than 12 inches, test the sleeves and valves under 75 pounds per square inch. For taps into concrete mains, where the outlet size 12 inches or greater, test the sleeves and valves 110 percent of the line pressure. Pressure test for a minimum fifteen (15) minutes. When the valves and sleeves show no leaks, make the cut through the wall of the pipe under pressure. Adequately support valves prior to cutting. Excavate and backfill as specified under Item 801.

**803.04 Valve Boxes.** Provide tapping valves with the "Columbus Standard Heavy Duty Valve Boxes" as provided under Item 802 unless otherwise specified.

**803.05 Concrete Supports.** Provide concrete backers and supports of the sizes shown on the plans or designated by the Engineer. Include concrete for thrust backer and valve support costs and the cost of excavating to line and grade shown for the supports in the unit prices bid under this item.

**803.06 Not Used.**

**803.07 Basis of Payment.** The City will pay for all work under this item at the unit price bid and will consider the unit price as full compensation for all work required to make a complete installation including the furnishing and installing of concrete supports and blocking, restraints, and valve boxes as specified.

The City will make payment at the contract price for:

Item	Unit	Description
803	Each	___ Inch x ___ Inch Tapping Sleeve and

**803.07**

Valve and Appurtenances.