

800 WATER SUPPLY & DISTRIBUTION

ITEM 808 - RELOCATING, CUTTING AND PLUGGING (OR CAPPING) WATER MAINS OR SERVICES 3 INCHES (76 mm) AND LARGER

808.01 Description

808.02 Relocation

808.03 Cutting and Plugging (Capping)

808.04 Basis of Payment

808.01 Description. Under this item, the Contractor shall provide all labor and material necessary to relocate and/or cut and plug (cap) water lines or water service taps as shown on the plans or specified herein. Work under this item is limited to water lines and service taps 3 inches (76 mm) and larger.

The Contractor shall notify all water consumers whose water is to be turned off as a result of work under this item of the approximate length of time they will be without water and at least 24 hours in advance of the shut down.

All visible valve boxes on the water line to be cut and plugged or relocated, which will no longer be in service, shall be removed. The required surface restoration shall be paid for under the appropriate bid item(s).

808.02 Relocation. The installation of relocated water lines or water service taps shall be completed as required on the plans unless otherwise specified by the Engineer. The relocated line shall be laid, tested, and chlorinated (*by City*) prior to connection of said line(s) to the existing water line(s). *The Contractor shall hand swab all pipes and fittings that are not otherwise disinfected. The amount of chlorine to be used during hand swabbing operations will be determined by the Division of Water.* The connection of the relocated line(s) to the existing water line(s) shall be done as specified on the Division of Water, Standard Detail Drawing L-7401, Typical Water Line Lowering, unless otherwise specified in the contract plans or by the Engineer. The material and construction of the relocated water line or water service tap shall be as required for new installations under Item 801 or 805 respectively.

808.03 Cutting and Plugging (Capping). The Contractor shall cut the existing pipe at the point designated on the plans or by the Engineer. Cutting and plugging shall not be performed until all affected water services have been transferred, *and the existing water line to be cut and plugged has been shut down for 24 hours.* The method of cutting shall be approved by the Engineer. The plugs and/or caps used in connection with the work under this item shall be either mechanical joint or slip joint as required and shall be manufactured in accordance with AWWA Specification C110. After the plug or cap is installed, the Contractor shall install required blocking to adequately brace the plug or cap. Blocking may be used temporarily against the abandoned pipe, however, the permanent blocking shall be installed such that future disturbances of the abandoned pipe shall not affect the permanent blocking. After the water line has been plugged or capped and the

permanent blocking has been installed, the hole shall be backfilled as specified under *Item 801*.

808.04 Basis of Payment. The unit price bid for cutting and plugging (capping) water lines and water service taps shall be full compensation for all labor, material and equipment required to complete the work as required in the above specifications and shown on the plans. Pavement or sidewalk replacement shall be paid for under the appropriate items.

When water line and/or water service tap relocations are bid at a per each price in the contract document, the per each price bid shall be full compensation for all labor, material and equipment required to complete the relocation, including the *cut and plug* of the existing water line, the installation of the replacement pipe, the addition of valves as requested, and the transfer of all water line appurtenances. However, pavement and/or sidewalk replacement will be paid for under the appropriate items.

When water line and/or water service tap relocations are bid at a linear foot (meter) price in the contract document, the linear foot (meter) price bid shall be full compensation for all labor, material and equipment required to complete the relocation except the transfer of water line appurtenances, the addition of valves as required, and the sidewalk and/or pavement replacement shall be paid for under the appropriate items. Payment at the unit price bid shall be based on the measurement of the replacement pipe as such measurement is described under Item 801.

Payment will be made at the contract price for:

Item	Unit	Description
808	Each	Cut and Plug (Cap) ___ Inch (mm) Water Line or Water Service Tap
808	Each	Relocate ___ Inch (mm) Water Line or Water Service Tap
808	Linear Foot (Meter)	Relocate ___ Inch (mm) Water Line or Water Service Tap