

SECTION S915 - RELOCATE WATER SERVICE METER (1-INCH AND SMALLER)

S915-1 DESCRIPTION

Work consists of relocating existing water service meter from an outside meter pit to the interior of a building as required in the Contract Documents and as directed by the Project Manager.

Work is to be in conformance with the requirements of Section S900 General Water Provisions.

S915-2 MATERIALS

Inside meter setting shall be "copperhorn", "handyhorn" or "pretzelhorn" style setting. Meter setting shall be same size as existing water service entering inside the building.

Inlet valve shall be ball valve.

Outlet valve shall be ball valve with drain and handle.

Pack joint connections may be used to attach new setting/valve assembly to existing pipe, if necessary.

Ground wire shall be #4 AWG ground wire with heavy duty ground clamps.

S915-3 CONSTRUCTION DETAILS

Contractor shall notify the water customer and the Water Bureau's Meter Services Office 48 hours in advance before starting the water service meter relocation.

All work required to modify indoor plumbing for installation of the meter shall be done by a plumber licensed by the City. Contractor will be responsible for obtaining all necessary permits from the City and providing the licensed plumber.

Contractor shall verify size and type of materials required for the water service meter relocation before commencing work.

Existing meter shall be removed from its meter pit and stored in the customer's building, unless otherwise directed by the Project Manager. The water service is to be reconnected after the meter is removed. Existing meter pit shall be removed, the resultant void backfilled and the surface restored.

Existing meter shall be installed inside the building, unless directed otherwise by the Bureau's Meter Services Office or the Project Manager. If the meter requires replacement, a new meter will be furnished by the Water Bureau, and shall be picked up and installed by the Contractor/Plumber. If replaced with new meter, existing meter shall be delivered to the Water Bureau's Materials and Equipment Office.

Installation of water service meter setting should be as close as possible to the point of entry of the water service pipe inside the building. Water service meter setting shall have easy access with a minimum clearance of 24 inches from the floor and 30 inches from the overhead ceiling. Water service meter shall be installed in the horizontal and up-right position with inlet and outlet valves. Length of water service pipe cut out shall be the minimum length necessary to install the water service meter setting and valves. Caution shall be taken using an electrical jumper across the length of water service pipe cut out until installation is complete. A permanent electrical bond strap shall be installed across the completed installation.

Contractor shall replace any water service meters that are damaged or are misplaced as a result of the Contractor's operation.

Upon completion of the work, Contractor shall immediately inform the Water Bureau's Meter Services Office of the completed installation. A representative of the Water Bureau will then install an electronic or radio meter reading device and seal the meter. The Contractor will also be responsible for completing and submitting an updated water service record card to the Water Bureau.

S915-4 METHOD OF MEASUREMENT

The quantity to be measured for payment will be the number of water service meters relocated.

S915-5 BASIS OF PAYMENT

The unit price bid shall include the cost of: notifying Water Bureau's Meter Services Office and water customer; removing existing water meter pit including excavation, backfill, and surface restoration; reconnecting exterior water service; furnishing and installing inside water service meter setting, valves, and electrical bond straps; delivery of existing meters when replaced; removing, storing and installing existing water service meter; picking up and installing new water service meter if required; City Licensed Plumber; preparation and submittal of updated water service record information and card; and furnishing all labor, material and equipment necessary to complete the work.

Payment will be under:

ITEM NO.	ITEM	PAY UNIT
S915.01XXXX	Relocate Existing X" Water Service Meter	Each