

1128 Each Reconnecting Existing
1-1/2" & 2" [3.81 cm to 5.10cm]
Service Branches

ITEM 1129 - INSTALLING STOP COCKS IN EXISTING LINES

1129.01 Description

1129.02 Material

1129.03 Construction

1129.04 Basis of Payment

1129.01 Description. This item shall cover the installing of stop cocks in existing service branches where shown on the Plans or as directed by the C.W.W. Inspector.

1129.02 Material. The contractor will furnish all new service pipe and fittings required to complete the work as shown, unless otherwise indicated on plans. Service pipe furnished by the contractor requires submittal of material certification prior to installation.

All new stop cocks will be furnished by C.W.W. and installed by the Contractor, unless otherwise noted on the plans.

1129.03 Construction. The Contractor shall make the necessary excavations, install the new stop cock where indicated, check the existing stop cock joints for tightness in the presence of the C.W.W. Inspector, firmly backfill the excavations, and restore all disturbed surfaces. This item shall include the installation of a short piece of copper pipe when necessary.

1129.04 Basis of Payment. The unit price bid for installing stop cocks in existing lines, including the installation of a short piece of service pipe, shall be full compensation for all labor, material, and equipment including restoration of disturbed surfaces required to complete the work in accordance with the above specifications.

The hauling of service branch material furnished by C.W.W. shall be included in the unit price bid and will not be paid for under Item 1102.

Payment will be made at the contract price for:

Item	Unit	Description
1129	Each	Hauling and Installing ___" [cm] Stop Cocks in Existing Lines
1129	Each	Furnish and Install ___" [cm] Stop Cocks in Existing Lines

ITEM 1130 - DISCONNECTING EXISTING SERVICE BRANCHES 5/8" [1.59cm] THROUGH 2" [5.10cm]

1130.01 Description

1130.021 Service Branches with Service Saddles

1130.03 Measurement

1130.04 Basis of Payment

1130.01 Description. This item shall cover the disconnecting of existing service branches where required, the removal of existing curb, roadway, or valve boxes, backfilling, and restoration of all surfaces. Branches to be disconnected will be shown on the Plans or indicated by the C.W.W. Inspector.

1130.02 Construction. The Contractor shall excavate down to the ferrule at the water main, and completely close the ferrule in the presence of the C.W.W. Inspector, and disconnect the service line at the ferrule. If the service branch exists within a shutdown area, the contractor will be required to install a brass plug furnished by the Water Works with no additional payment for this work.

1130.021 Service Branches with Service Saddles. In those instances where a service saddle is part of the service branch, the contractor shall expose the connection to the water main, remove the service saddle, and furnish and install a stainless steel leak clamp. After the service line has been disconnected, the Contractor shall backfill the excavation and perform permanent restoration.

The Contractor shall remove or break out existing curb, roadway, or valve box. If the box is in a concrete walk, or in permanent roadway, the Contractor shall remove the lid and place a patch of concrete over the opening. If the box is located in a dirt or sod area, the Contractor shall remove or break out the entire top section of the box and backfill with earth.

1130.03 Method of Measurement. The Contractor shall be paid for each service branch disconnected. This shall include all necessary labor, equipment, and the material to perform the operation as specified. Service branches disconnected for service branches renewed as part of Item 1126 will not be paid for if the ferrule is in the same trench.

1130.04 Basis of Payment. The payment for all work done under this item shall be at the unit price bid for each, which payment shall be full compensation for all labor, and equipment required to do the work as specified.

Payment will be made at the contract price for:

Item	Unit	Description
1130	Each	Disconnecting Existing 5/8" thru 2" [1.59cm thru 5.10cm] Service Branches

ITEM 1131 - INSTALLING CURB AND ROADWAY BOXES

1131.01 Description

1131.02 Construction

1131.02 Construction

1131.03 Basis of Payment

1131.01 Description. This item shall cover the installation of curb or roadway boxes as indicated on the Plans or as directed by the C.W.W. Inspector.

1131.02 Construction. The Contractor shall make the necessary excavation, remove the old box if required, and set the new box in a vertical position directly over the stop cock. The base of the box shall be set on wood block or brick foundation to prevent the transferring of any loads from the box to the service line. The box shall be adjusted to the proper grade and the backfill shall be carefully tamped around the box. All disturbed surfaces shall be properly restored.

1131.03 Basis of Payment. Installing curb and roadway boxes will be paid for at the contract unit price bid per each type of box specified, which price and payment shall constitute full compensation for all labor, tools, material, and equipment to complete the installation as described.

The hauling of curb and roadway boxes furnished by C.W.W. shall be included in the unit price bid and will not be paid for under Item 1102.

Payment will be made at the contract price for:

Item	Unit	Description
1131	Each	Hauling and Installing Curb and Roadway Boxes
1131	Each	Furnishing and Installing Curb and Roadway Boxes

ITEM 1132 - RESETTING EXISTING CURB AND ROADWAY BOXES

1132.01 Description

1132.02 Construction

1132.03 Basis of Payment

1132.01 Description. This item shall cover the resetting of existing curb and roadway boxes where necessary to conform to the established lines and grades of the street.

1132.02 Construction. The Contractor shall make the necessary excavation, reset the box in a vertical position directly over the stop cock, and adjust it to conform to the proper grade. The base of the box shall be set on wood block or brick foundation to prevent the transferring of any loads from the box to the service line. The backfill shall be well tamped around the box. All disturbed surfaces shall be properly restored.

C.W.W., will be installed and shall conform to the provisions in Item 1131 as part of unit bid price for Item 1132.

If the boxes are damaged or broken by the Contractor's operations, he shall furnish and install new boxes at his own expense.

1132.03 Basis of Payment. The resetting of curb and roadway boxes shall be paid for at the contract unit price bid for each box reset, which price and payment shall constitute full compensation for all excavation, material, backfill, restoration, and labor required.

Payment will be made at the contract price for:

Item	Unit	Description
1132	Each	Resetting Existing Curb and Roadway Boxes

ITEM 1133 - FURNISHING AND INSTALLING FROST-PROOF METER SETTINGS COMPLETE

1133.01	Description	
1133.02	Material	
1133.03	Construction	
1133.04	Method of Measurement	
1133.05	Basis of Payment	

1133.01 Description. This item shall cover the furnishing and installing of a standard frost-proof meter setting complete, as shown on the Plans or as directed by the C.W.W. Inspector.

1133.02 Material. All material used shall comply with the "Rules and Regulations of the C.W.W." governing service branches and meter settings, and shall be furnished by the Contractor.

Where sub-standard piping exists within the right-of-way, such piping shall be replaced. Copper service pipe will be furnished as indicated in Item 1126.

1133.03 Construction. The Contractor shall make the necessary excavations, connect the ends of service pipe, install the tile, hood, meter, and appurtenances to conform to the C.W.W. Standard Drawings "Rules and Regulations of the C.W.W." in the proper location, backfill all openings, and restore all disturbed surfaces.

The meter box tile shall be set on bricks to prevent the transferring of any loads from the tile to the service line. Any sub-standard piping shall be disconnected and new service pipe installed in its place.

1133.04 Method of Measurement. The Contractor shall be paid for each frost-proof meter setting furnished,

1133.04 Method of Measurement. The Contractor shall be paid for each frost-proof meter setting furnished, installed, and accepted which shall include the removal of existing meter setting and reconnecting the pipe ends.

Any additional service pipe, other than that required to reconnect the ends of the branch where the original meter setting was removed, which must be installed to conform to the "Rules and Regulations of the C.W.W." will be paid for under Item 1126.

1133.05 Basis of Payment. Payment for this item will be made at the unit price bid, which will be full compensation for all labor, material, and equipment required to furnish and install the meter setting complete as specified.

Payment will be made at the contract price for:

Item	Unit	Description
1133	Each	Furnishing and Installing ___" [cm] Frost-Proof Meter Setting Complete.

ITEM 1134 - RELOCATING EXISTING FROST-PROOF METER SETTINGS

1134.01 Description

1134.02 Construction

1134.03 Method of Measurement

1134.04 Basis of Payment

1134.01 Description. The Contractor shall furnish all labor, tools, material, and equipment necessary to remove an existing frost-proof meter setting and relocate it to new location as indicated on the Plans or as directed by the C.W.W. Inspector.

1134.02 Construction. The Contractor shall make the necessary excavations, carefully remove the existing tile, hood, meter and appurtenances, relocate them in the new location specified, install a curb stop if required, and backfill and restore all openings. All work shall conform with the requirements stated in 1133.03. The service branch ends shall be reconnected, and any sub-standard piping disconnected and new service pipe installed in its place.

1134.03 Method of Measurement. The Contractor shall be paid for each frost-proof meter setting relocated and accepted, which shall include the reconnecting of pipe ends and the installation of a curb stop if required.

Any additional service pipe, other than that required to reconnect the end of the branch where original meter setting was removed, which must be installed to conform to "Rules and Regulations of the C.W.W." will be paid for under Item 1126.

1134.04 Basis of Payment. Payment for this item will be made at the unit price bid, which will be full compensation for all labor, material, and equipment required to relocate the frost-proof meter setting complete, and restore all disturbed surfaces.

Payment will be made at the contract price for:

Item	Unit	Description
1134	Each	Relocating Existing ___" [cm] Frost-Proof Meter Setting

ITEM 1135 - RESETTING EXISTING FROST-PROOF METER SETTINGS

- 1135.01 **Description**
- 1135.02 **Construction**
- 1135.03 **Basis of Payment**

1135.01 Description. This item shall cover the resetting of an existing frost-proof meter setting to the proper grade, where shown on the Plans or as directed by the C.W.W. Inspector.

1135.02 Construction. The Contractor shall make the necessary excavation, carefully remove the tile, hood, meter and its appurtenances, and add or remove any pipe and fittings to adjust the meter to the proper grade, and reset the tile and hood.

The meter box tile shall be set on bricks to prevent the transferring of any loads from the tile to the service line. The completed installation shall conform to the C.W.W. Standard Drawings.

1135.03 Basis of Payment. The resetting of frost-proof meter settings shall be paid for at the contract unit price bid for each setting reset, which price and payment shall constitute full compensation for labor, tools, material, and equipment necessary to reset the settings as specified.

Payment will be made at contract price for:

Item	Unit	Description
1135	Each	Resetting Existing ___" [cm] Frost- Proof Meter Settings

ITEM 1136 - FURNISHING AND INSTALLING FROST-PROOF METER SETTING APPURTENANCES

- 1136.01 **Description**
- 1136.02 **Material**
- 1136.03 **Construction**

1136.04 Method of Measurement

1136.05 Basis of Payment

1136.01 Description. This item shall cover the furnishing and installing of various frost-proof meter setting appurtenances as shown on the Plans or as directed by the C.W.W. Inspector.

1136.02 Material. All appurtenances shall be furnished by the Contractor and shall comply with the following descriptions:

Angle Valves - locking padlock wing on inlet valve and test cock on outlet valve . . . 5/8" [1.59cm] through 1" [2.5cm].

Meter Yokes - 5/8" through 1" [1.59 through 2.5cm].

Flanged Angle Valves - flanged angle valves with padlock wing. 1-1/2" through 2" [3.81cm through 10cm].

Frost-Proof Meter Box - double-lid frost-proof meter box . . . 5/8" through 2" [1.59cm through 5.10cm].

Lids - inner or outer (as specified) lids for frost-proof meter box . . . 5/8" [1.59cm] through 2" [5.10cm].

Meter Box Tiles - vitrified, concrete, or bituminized fibre frost-proof meter box tile, 20" [.508m], 24" [.610m], 30" [.762m] diameter.

1136.03 Construction. The Contractor shall install the various appurtenances as required to conform to "Rules and Regulations of the C.W.W." and C.W.W. Standard Drawings.

1136.04 Method of Measurement. The Contractor shall be paid for each frost-proof meter setting appurtenance furnished, installed, and accepted.

1136.05 Basis of Payment. Payment for these items will be made at the unit price bid for each appurtenance, which will be full compensation for all labor, material, and equipment required to furnish and install the appurtenance.

Payment will be at the contract price for:

Item	Unit	Description
1136	Each	Furnishing and Installing ____" [cm] Angle Valves
1136	Each	Furnishing and Installing ____" [cm] Meter Yokes

1136	Each	Furnishing and Installing ___" [cm] Flanged Angle Valves
1136	Each	Furnishing and Installing Lids for ___" [cm] Setting
1136	Each	Furnishing and Installing Double- Lid Frost-Proof Meter Box for ___" [cm] Setting
1136	Each	Furnishing and Installing ___" [cm] Meter Box Tile

ITEM 1137 - METER SETTINGS LARGER THAN 2" [.510cm] IN SIZE

1137.01 Description

1137.01 Description. This item shall cover the furnishing and installing, relocating and resetting of standard meter settings and appurtenances larger than (2) inches [.510cm] in size. This work shall be done in accordance with the specifications described in the Special Provisions of the Contract.

ITEM 1138 - REMOVING CURB AND ROADWAY BOXES

1138.01 Description

1138.02 Construction

1138.03 Method of Measurement

1138.04 Basis of Payment

1138.01 Description. This item shall cover the removal of existing curb and roadway boxes, backfilling, and restoration of all surfaces. Boxes to be removed will be shown on the plans or indicated by the C.W.W. Inspector.

1138.02 Construction. The Contractor shall remove the existing curb or roadway box. If the box is in a concrete walk, or in a permanent roadway, the Contractor shall remove the lid and fill the cavity with concrete. If the box is located in a dirt or sod area, the Contractor shall remove or break out the entire top section of the box, backfill with earth and restore the area to conform to the adjacent surface.

1138.03 Method of Measurement. The Contractor shall be paid for each curb or roadway box removed. This shall include all necessary labor, equipment and the material to perform the operation as specified.

1138.04 Basis of Payment. The payment for all work done under this item shall be at the unit price bid for each box removed, which payment shall be full compensation for all labor, material and equipment required to do the work as specified.

Payment will be made at the contract price for:

Item	Unit	Description
1138	Each	Removing Curb and Roadway Boxes