

SECTION C9

RAISE OR ADJUST WATER CASTINGS (BPWD)

GENERAL

The work under this section shall include all work necessary to locate and raise to grade all buried castings over water valves which are necessary for water main shutdowns within the scope of this contract and as designated by the Engineer/Inspector.

This work shall include locating the buried casting, excavating down to the casting and raising the casting to grade.

Any frames and covers found to be cracked or defective will be replaced by the contractor and supplied by the Commission.

MATERIALS

Concrete shall be leaner than one part cement, 2-1/2 parts sand and 5-1/2 parts stone and shall have a minimum compressive strength of 2000 psi.

CONSTRUCTION METHODS

The Contractor shall locate with a metal detector each buried casting designated by the Commission's Inspector. After receiving permission to excavate, the Contractor will expose the casting allowing the inspector to determine whether the existing casting is useable. If not, the contractor must install a new frame and cover supplied by the Commission.

The Contractor shall set the frames on a level masonry base set on well-compacted gravel so as not to allow the frame to settle or tilt.

MEASUREMENT AND PAYMENT

C9-1 Raise Water Casting to Grade EA

The number of water castings raised to grade to be paid for under this item shall be the actual number raised, as counted by the Commission's Inspector. Only those castings buried by more than one and one-half (1 1/2) inches of pavement shall be counted. Those buried by less than 1 1/2 inches of pavement shall be considered incidental to the clean-out and exercise valve item.

For any valve designated to be replaced under this contract the raising of its casting shall be considered as incidental to the installation of the valve and the cost covered under that item.

Payment under this item shall be at the price in the bid form and shall be full compensation for all labor, materials and equipment necessary to raise the casting to grade. All excavation below a depth of one foot shall be considered Miscellaneous Trench Excavation for payment purposes. All gravel and paving required shall be paid for under the appropriate items. All else required to complete the raise water casting to grade to the satisfactory of the Engineer will be considered incidental.

C9-1A Adjust Water Casting to Grade EA

Work under this item shall conform to Boston Water and Sewer Commission Standards and Specifications.

Under this item, the Contractor will adjust to grade any service box, gate box, or meter box, as shown on the plans, or where directed by the Engineer.

Any service box, gate box, meter box and/or covers damaged due to the Contractor's operations will be replaced by the Contractor at his own expense.

Water castings adjusted will be measured by the unit each for which the work is completed and accepted. Payment will include full compensation for all labor, tools, equipment, material, and incidental expenses necessary to complete the item to the satisfaction of the Engineer.

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