

ITEM 228.1

CLEANOUT WITH FRAME AND COVER

EACH

GENERAL

The work under this item shall consist of supplying and installing pipes, fittings and castings to allow surface access to perforated underdrains.

Submittals

Submit a list of materials proposed to be provided for work under this section including the name and address of the materials producer and the location from which the materials are to be obtained.

Submit certificates, signed by the materials producer, stating that materials meet or exceed the specified requirements.

The Contractor shall submit a shop drawing detailing all dimensions and materials of the proposed cleanout piping, frame and cover for review and approval prior to ordering any material.

Quality Assurance

Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work in this Section.

MATERIALS

PVC pipe shall conform to the Massachusetts Department of Transportation Standard Specifications for Highways and Bridges Division III, M5.03.7, Schedule 80.

HDPE corrugated pipe shall conform to the Massachusetts Department of Transportation Standard Specifications for Highways and Bridges Division III, M5.03.10. Pipe shall be double walled pipe.

Frame shall be East Jordan Iron Works (EJIW) product 00157311 or approved equal. Cover shall be EJIW product 00157324 or approved equal. Cover shall be capable of supporting H-20 loading. The cover shall also be ADA-compliant. Ensure the frame shall be able to fit over the cleanout access pipe.

CONSTRUCTION METHODS

The cleanout piping and fittings shall be the same material and size as the underdrain to which it connects.

Piping shall extend from the sidewalk/roadway surface to the underdrain and connect to the underdrain with a wye. The wye shall be placed such that a pulse of water from the surface will be directed down to the underdrain and to the downstream structure. If there are no downstream structures, the wye shall be directed to the upstream structure.

At the surface, the cleanout piping shall terminate in a traffic safe casting and shall have a threaded cover within the casting to protect the underdrain from debris.

A concrete collar of the dimensions shown on the Plans shall be used to support the casting under the sidewalk or roadway surface.

The Cleanouts shall be constructed in accordance with specifications provided and with Boston Water and Sewer Commission Valve Box Standards (C-2) unless specified otherwise. All covers shall be in accordance with Boston Water and Sewer Commission standards unless specified otherwise.

METHOD OF MEASUREMENT

Cleanout with Frame and Cover will be measured for payment per each, complete in place.

BASIS OF PAYMENT

Cleanout with Frame and Cover will be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment, and incidental costs required to complete the work. No separate payment will be made for concrete collars and castings, but all costs in connection therewith shall be included in the Contract unit price bid.