

ITEM 283.1

GRANITE WEIR

LINEAR FOOT

Work under this item shall conform to the relevant provisions of Subsection 500 of the MassDOT Standard Specifications and the following:

GENERAL

Granite weirs shall be used in vegetated and bioretention swales to withhold stormwater runoff and allow time to infiltrate. If used in a continuous swale, the openings within weirs in series shall be staggered. In no case shall weir openings be placed to line up. The same material shall be used for all weirs in a continuous swale.

MATERIALS

Weirs shall be placed on a crushed stone base in accordance with specifications for Item 156.12, Crushed Stone for Curb Foundation.

Weirs shall be backfilled with concrete conforming to 4000 PSI, 1.5 Inch, 535 Cement Concrete.

All granite shall be in conformance with Subsection M9.04 of the MassDOT Standard Specifications and the Contract drawings. Granite shall be 6" wide and 24" deep. The granite shall have the same finish front and back extending the full depth of the weir.

CONSTRUCTION METHODS

The Contractor shall excavate a sufficient area in depth and width in order to install the weir on a crushed stone base in accordance with the Plans. Weir shall be cleaned of all debris prior to placement.

The Contractor shall backfill the weir with 6" concrete support as shown on the Plans.

A notch shall be cut in the weir, either at the quarry or on site, as shown on the Plans. The cut shall be clean and smooth. No chipping of the stone to construct the notch will be allowed. If a cut extends into the granite to remain, the entire section shall be replaced at no additional cost.

The joints between the weir and roadway/sidewalk curbing (both front and back) shall be carefully filled with cement mortar and neatly pointed on the top and all exposed portions. After pointing, the weir shall be satisfactorily cleaned of all excess mortar that may have been forced out of the joints.

METHOD OF MEASUREMENT

Granite Weir will be measured for payment by the linear foot, complete in place.

BASIS OF PAYMENT

Granite Weir will be paid for at the contract unit price per linear foot, which price shall include all labor, materials, equipment, and incidental cost required to complete the work. No separate payment will be made for excavation, concrete backfill, mortar, or sawcutting, but all costs in connection therewith shall be included in the Contract unit price bid.

Crushed stone will be paid for separately under Item 156.12, Crushed Stone for Curb Foundation.