

ITEM 283.3

METAL WEIR

LINEAR FOOT

Work under this item consists of providing and installing metal weirs where specified on the Plans.

GENERAL

Metal 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 installed in a 4000 PSI, 3/4 Inch, 610 Cement Concrete cradle, placed over a crushed stone base in accordance with specifications for Item 156.12, Crushed Stone for Curb Foundation. Waterproofing sealant shall be applied to the cement concrete cradle.

Metal weirs shall be made from ASTM A-588 atmospheric corrosion resistant (weathering) steel. Metal weirs shall be 3/16-inch-thick x 12-inches high and as shown on the Plans. Metal shall be unfinished.

A notch shall be cut in the weir as shown on the Plans at the fabricators shop. The cut shall be clean and smooth.

CONSTRUCTION METHODS

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

The weir shall be recessed 1" into the adjacent granite curbs. 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

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

BASIS OF PAYMENT

Metal 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, cement concrete cradle, waterproofing sealant, and mortar, 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.