

STONE FILL, STREAM BED MATERIAL

****From Wardsboro-Jamaica ER STP 013-1(17)/Wardsboro BF 013-1(21)(22)**

- xx. DESCRIPTION. This work shall consist of furnishing and placing stone fill material inside of, as well as upstream and/or downstream of, a culvert or pipe to facilitate aquatic organism passage and mimic the native channel.
- xx. MATERIALS. Stone Fill, Stream Bed Material shall consist of Stone Fill, Type III meeting the requirements of Section 613 supplemented with material excavated from the channel and/or the tailings of a topsoil screening operation, with gradation adjusted to conform to the following table:

STONE/SIEVE SIZE	% FINER BY MASS (WEIGHT)
1200 mm (48 inches)	100
300 mm (12 inches)	30-75
4.75 mm (No. 4)	4-30
75 µm (No. 200)	4-6

Bed material shall be approved by the Engineer and the Agency of Natural Resources prior to use.

- xx. PLACING. Stone fill shall be placed at the bottom of the concrete box as shown in the Plans. Place the stone such that it does not cause segregation or damage to the concrete box.

Stone fill shall be placed upstream and downstream of the culvert or pipe as shown in the Plans.

Fill in voids in the stone with a mixture of fines from the existing stream bed material. Fill voids by hand tamping with metal tamping rods, plate compactors, and water pressure with a metal wand to reach between stones.

Once all material has been placed in the stream channel, the Contractor shall slowly wet the stream to minimize the effects of the initial sediment pulse. Every attempt shall be made to minimize the movement of sediment downstream of the site.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Stone Fill, Stream Bed Material) to be measured for payment will be the number of cubic meters (cubic yards) installed in the complete and accepted work, measured within the limits shown on the Plans or as directed by the Engineer.
- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Stone Fill, Stream Bed Material) will be paid for at the Contract unit price per cubic meter (cubic yard). Payment will be full compensation for furnishing, transporting, and placing the material specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.608 Special Provision (Stone Fill, Stream Bed Material)	Cubic Meter (Cubic Yard)