

STONE DIAPHRAGM FOR GRASS CHANNEL

**\*\*From Cornwall BRS 0172(6)**

xx. DESCRIPTION. This work shall consist of furnishing and installing stone diaphragm(s) for grass channel(s) for the purpose of stormwater treatment at the locations indicated in the Plans and as directed by the Engineer.

xx. MATERIALS. Materials shall meet the requirements of the following Subsections:

Drainage Aggregate.....704.16  
Geotextile for Underdrain Trench Lining.....720.01

xx. CONSTRUCTION REQUIREMENTS.

(a) Excavation. Trenches for stone diaphragms shall be excavated to the dimensions and grade shown in the Plans or as directed by the Engineer. The surface of the trench shall be prepared to a smooth condition free of debris, depressions, or obstructions which may damage the geotextile.

(b) Placing Geotextile. The geotextile fabric shall be placed loosely with no wrinkles or folds. Care shall be taken to ensure direct contact with the soil such that there are no voids between the geotextile and the trench. A layer of geotextile shall be placed 100 mm (4 inches) below finished grade and extend 300 mm (12 inches) beyond each side of the trench. The upstream geotextile shall be overlapped over the downstream.

(c) Placing Drainage Aggregate. Drainage aggregate shall be placed in layers of not more than 150 mm (6 inches) in thickness and thoroughly compacted by use of air or mechanical tampers.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Stone Diaphragm for Grass Channel) to be measured for payment will be the number of meters (linear feet) of stone diaphragm installed in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Stone Diaphragm for Grass Channels) will be paid for at the Contract unit price per meter (linear foot). Payment shall be full compensation for furnishing, transporting, handling, and placing the materials specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Excavation for Special Provision (Stone Diaphragm for Grass Channel) will be paid for as Trench Excavation of Earth.

Payment will be made under:

| <u>Pay Item</u>  | <u>Pay Unit</u>        |
|--|------------------------|
| 900.640 Special Provision (Stone Diaphragm for<br>Grass Channel) | Meter<br>(Linear Foot) |