

ITEM 24616.18 M -- VEGETATED MAT

DESCRIPTION

A vegetative mat consists of a reinforced coir-woven blanket used along banks of streams, channels, or bodies of water to control erosion and provide a suitable planting medium for selected plants. Under this item the Contractor shall furnish and install vegetative mats in accordance with the contract documents.

MATERIALS

The mat shall meet the minimum requirements of § 713-07 Class 1, Type C erosion control material or as specified otherwise in the contract documents. In addition, the matrix shall be no less than 70% coconut fiber and 30% straw, excelsior, rice straw or other approved material and be manufacturer-certified 100% weed free. The matrix shall be encased in a net material which shall be an open mesh, photodegradable or biodegradable material with a grid size of between 5 and 10 mm. The netting material shall be attached on both sides of the matrix and stitched together. The netting shall have a minimum effective life span of no less than one year.

CONSTRUCTION DETAILS

Vegetative mats shall be installed according to manufacturers recommendations, except when otherwise specified in the contract documents.

The Contractor shall supply vegetative mats as specified in the contract documents. The vegetated mat manufacturer and the product proposed for use shall be approved by the Engineer prior to delivery to the site. Herbaceous plugs and other erosion control methods and techniques may be specified in the Contact Documents.

METHOD OF MEASUREMENT

The quantity of vegetated mat will be measured as the number of square meters of surface area satisfactorily installed and accepted in accordance with the plans.

BASIS OF PAYMENT

The unit price per square meter shall include the cost of furnishing all labor, materials, and equipment necessary to complete the work.

Herbaceous plugs, live cuttings, live stakes, fiber rolls, live fascines or other erosion control items shall be paid for under the item specified, if used in conjunction with vegetative mats.