

ITEM 209.18030124 -- VEGETATED MAT

DESCRIPTION

This work shall consist of furnishing and installing vegetative mats in accordance with the contract documents.

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.

MATERIALS

The following sections of the standard specifications shall apply:

Rolled Erosion Control Products and Soil Stabilizers	§713-07, Class 1, Type C
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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 4.75 mm and 9.5 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.

Materials will be accepted on the basis of the manufacturer's name and location appearing on the Approved List and a material certification that specifies the product conforms to this specification.

CONSTRUCTION DETAILS

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

METHOD OF MEASUREMENT

This work will be measured as the number of square meters to the nearest whole square meter of vegetated mat satisfactorily furnished and installed.

BASIS OF PAYMENT

The unit price bid per square meter of vegetated mat shall include the cost of 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, if used in conjunction with vegetative mats, shall be paid for separately.