

ITEM 11613.0103 M - WETLAND SOIL

DESCRIPTION

Under this item, the Contractor shall furnish and install wetland soil mix, in accordance with the plans, specifications, and directions of the Engineer.

The following Mix shall be used in all landscape locations where plan material is installed in wetland areas as indicated on the plans and as directed by the Regional Landscape Architect.

MATERIALS

Organic Granular Soil: The organic granular soil material shall be free from refuse, foreign materials, roots, hard dirt, stiff clay, cobbles, materials deleterious to plant growth, or others which will prevent the formulation of a uniform mixture when blended with pulverized, well composted leaf mulch or rotted manure meeting NYSDOT specification 713-15. The pH of the blended material shall not be less than 6.0 and not greater than 7.0. Any blended material that is stockpiled on site shall be located high and dry, outside of the stream channel and pond basin, protected from precipitation, and prevented from mingling with storm water runoff.

- A) Granular soil shall be guaranteed clean fill material obtained from a commercial sand and gravel pit, not originating from reconstituted or recycled pavement materials. The granular soil portion shall constitute 80 to 85 percent of the mixture, and shall have the following gradation:

<u>Sieve Size</u>	<u>Percentage Passing by Weight</u>
No. 16	100%
No. 40	85-100%
No. 60	40-100%
No. 200	5-10%

- B) The organic portion shall constitute 15-20% of the mixture, and be comprised of well pulverized and composted leaf mulch or rotted manure.
- C) The Contractor shall blend the organic portion with the granular portion under dry conditions to produce a homogenous mixture. A one kilogram representative sample of the blend, for each 500 cubic meters of stockpiled material shall be submitted to the Engineer for approval prior to use. Any required testing of the soil materials shall be conducted at the Contractors expense.

CONSTRUCTION DETAILS

Wetland soil mix shall be thoroughly premixed in the proportions stated above and shall be placed to the depths and dimensions shown in the contract documents. The backfill mix shall be thoroughly settled by firming or tamping in a manner approved by the Engineer.

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METHOD OF MEASUREMENT

The quantity of wetland soil mix will be the number of cubic meters, computed from the payment lines shown on the plans, or, where changes have been ordered, from payment lines established by the Engineer or the Regional Landscape Architect prior to performing the work.

BASIS OF PAYMENT

The unit price bid per cubic yard of wetland soil mix installed shall include the cost of all labor and equipment necessary to complete the work including furnishing, and installation in accordance with the plans and specifications, to the satisfaction of the Engineer.

DISAPPROVED
BY EI 12-001