

ITEM 11612.0501 M - COIR LOG (NYCDPR)

DESCRIPTION

Under this item, the Contractor shall furnish and install embankment stabilizing coir log, which shall include coir log installation with wooden stakes and coir twine, in accordance with the plans, specifications, and directions of the Engineer.

MATERIALS

Coir Log: A coir log is a man-made, biodegradable, durable coconut fiber “log”. The coir log shall be in 6 meter lengths, 300 mm in diameter, and shall weigh ten (10) kg per meter. Coir Logs shall be “Bio Log”, as manufactured by Bon Terra, telephone: 1-800-882-9489, or equal as approved by the Engineer.

Outer Net: The outer net around the coir log shall be made of Bristol Fiber coir twines woven square with openings 50 mm x 50 mm. Twine shall have 335 N tensile strength. Interior coir mattress fiber shall be compacted to 145 kg per cubic meter density.

Wood Stakes: Wood stakes used to secure the coir logs shall be a minimum of 50 mm x 50 mm x 1 meter long.

CONSTRUCTION DETAILS

Coir Log:

Place coir logs along the toe of the bank where indicated on the drawings.

Submerge the coir log at a constant depth of 1/2 to 2/3 of the coir log’s height and to achieve the grades and lines indicated on the drawings. The proper submersion of the coir log is important for the plugged plants’ survival

Tie the ends of adjacent coir logs together with a strong twine. Make a number of passes with the twine in the end netting of the adjacent coir logs; this effectively laces the logs together.

Drive the stakes in at the recommended spacing of 330 mm on center continuously on the pond side of the log and three (3) meters on center on the path side of the log. Pound the stakes down so that the top of the stake is level with the top of the coir log.

Where a coir log does not abut another coir log, bend the end in towards the shore and embed it into the bank. This will prevent water collection behind the log and subsequent pull out of the logs. Trench in both ends of either a single or a continuous line of coir logs, where shown on the plans and as directed by the Engineer.

SUBMITTALS

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The Contractor shall submit coir log samples and catalog cuts for approval.

METHOD OF MEASUREMENT

The quantity of coir log to be paid for under this item will be the number of meters of coir log installed in accordance with the plans and specifications and the directions of the Engineer.

BASIS OF PAYMENT

The unit price bid per meter of coir log 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. Any excavation required will be paid for under Item 203.02 M - Unclassified Excavation.

DISAPPROVED
BY EI 12-001