

ITEM 11607. 92 M - WATERFOWL BARRIER (NYCDPR)

DESCRIPTION

Under this Item, the work shall consist of fabrication, installation, and maintenance of a temporary waterfowl barrier around the perimeter of the reconstructed salt marsh. The fence shall serve to discourage waterfowl from grazing on newly planted marsh grasses.

MATERIALS

The fence shall be made of the following materials, as shown in the plans:

Fence Posts: 50 mm x 50 mm x 2.4 m stakes of pointed tipped, untreated hardwood timber.

Nylon Monofilament Line: Nylon mason's line, minimum 445 N test, of sufficient flexibility to wrap tightly around posts.

Construction Fencing: Orange plastic construction fencing with vertical and horizontal mesh.

Nails: 50 mm hot dipped galvanized roofing nails.

CONSTRUCTION DETAILS

The waterfowl barrier fence shall be installed after grading of the planting area is complete. The timber posts shall be pounded into the mud substrate to a minimum depth of one meter, or to a depth where solid materials underlying the mud will maintain the post in a vertical position through the growing season. Wrap nylon mason's line around each post to create a fence as shown in the detail. The horizontal lines shall be no further than 200 mm apart, and the fence shall extend around the perimeter of the planting and at fifteen (15) meter intervals to create 15 meter by 15 meter cells. The fence shall be installed a minimum of 500 mm away from the first row of plants.

Pieces of brightly colored surveyor's ribbon shall be tied at one meter intervals to the monofilament line. Ribbon must be wrapped twice around line before knotting to prevent slippage. Additional lines must be tied to the top of the stakes, crossing horizontally over the enclosed area to an opposite stake. These cross-lines must also be tied with surveyor's ribbon at the same interval to prevent entry by birds from the air. If the line span is greater than twelve (12) meters, additional stakes must be placed at six (6) meter intervals to support the cross lines, so that no open area within the enclosure exceeds thirty-six (36) square meters.

There shall be absolutely no unused strands of nylon line, orange fencing, packaging materials, or any other construction debris left on site after fence installation.

During the establishment period of the planted areas, the fence posts, line, and ribbons will need to be routinely inspected and all damaged areas repaired as necessary. In particular, the orange plastic fencing shall be maintained such that geese cannot walk into the planting area beneath the fence. At the conclusion of the establishment period, the Contractor shall completely remove the temporary fence and any associated debris.

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METHOD OF MEASUREMENT

The quantity of waterfowl barrier furnished and incorporated into the work will be the number of meters of orange construction fence installed, excluding any laps, including the cost of all labor, materials, and equipment required to install and maintain the barrier around and within the perimeter as shown on plans.

BASIS OF PAYMENT

The price bid shall be a unit price per meter of barrier, including all labor, materials, equipment, and incidentals necessary to complete the work, in accordance with the details, specifications and plans, to the satisfaction of the Engineer. The Contractor will be paid fifty percent (50%) of the price bid when installation is complete. The remaining fifty percent (50%) will be paid after the fence is adequately maintained and removed. If the Contractor does not perform periodic maintenance in a timely manner, the Engineer may withhold any portion of the remaining fifty percent (50%) balance which he deems fitting.