

ITEM 605.1801 11 - STORMWATER POLLUTION CONTROL FILTER

DESCRIPTION

The work shall consist of constructing STORMWATER POLLUTION CONTROL FILTER in accordance with the contract documents and as directed by The Engineer.

MATERIALS

Stormwater Pollution Control Filter material shall consist of either of the materials described below at the Contractor's option. For all materials, perform material tests and quality control methods in conformance with the procedures contained in the version of the following Departmental publication in effect on the date of advertisement for the project: **GCP-17 – Procedure for the Control and Quality Assurance of Granular Materials.** This publication is available from the Department's web site at the following location:

<https://www.nysdot.gov/divisions/engineering/technical-services/technical-services-repository/GCP-17b.pdf>

Option 1 - Crushed Cullet Glass. Crushed cullet glass shall consist of crushed bottle glass from a NYSDEC permitted recycling facility. Provide and stockpile all crushed glass filter material conforming to the requirements of Section 203-2.02 F., and meeting the gradation and other requirements in this specification.

Gradation:

<u>Sieve Designation</u>	<u>Percent Passing By Weight</u>
12.5 mm	100
9.5 mm	90 - 100
75 µm	0 – 5

Option 2 – Underdrain Filter Type II. This material shall conform to the soundness and gradation requirements in Section 605-2.02 B. Underdrain Filter Type II. All other requirements of Section 605 shall apply.

CONSTRUCTION DETAILS

Construct subsequent lifts of Stormwater Pollution Control Filter so that they are no more than 150 mm thick prior to compaction. Compact each lift by two passes of an approved vibrating pad or drum type compactor.

In case an underdrain pipe is included, after the pipe installation has been inspected and approved, place the Stormwater Pollution Control Filter loosely around and over the underdrain pipe to such a depth that, after compaction, it will extend to a level 150 mm above the pipe or to the next course, whichever is less.

Proceed with the remainder of the installation in accordance with the applicable Standard Sheet or as indicated on the plans.

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For corrugated polyethylene underdrain tubing, place the filter material around and over the tubing to such a depth that, after compaction, the filter material extends to a level 300 mm or to the next course, whichever is less, above the tubing. At this stage, compact the surface of the filter material by three passes of a vibrating pad or drum type compactor. Place the remainder of the backfill in maximum 600 mm loose lift thicknesses, and perform compaction by three passes of a vibrating pad or drum type compactor after the placement of each lift.

No compaction control tests will be required.

METHOD OF MEASUREMENT

This work will be measured as the number of cubic meters of STORMWATER POLLUTION CONTROL FILTER satisfactorily installed.

A deduction shall be made for pipes (based on nominal diameters) and other payment items, when the combined cross-sectional area of the pipes exceeds 0.1 m², unless otherwise shown on the plans. No deduction will be made for the cross-sectional area of an existing facility.

If the excavation for the underdrain extends outside these payment lines, backfill it with Underdrain Filter material meeting the requirements of this specification, furnished and installed at the Contractor's expense.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the work. No direct payment will be made for any losses of material which may result from compaction, foundation settlement, erosion, or any other causes. Include the cost of such losses in the price bid for this item. The Contractor shall replace any contaminated filter material, as directed by the Engineer, at no additional cost to the State.

Excavation, granular fill and backfill will be paid for separately under their appropriate items in Sections 203 and 206, as applicable.

Payment for underdrain pipe will be made separately under its appropriate item in Section 605, as applicable.