

ITEM 10209. 11 M - TEMPORARY SEDIMENT FILTER BAG FOR DRAINAGE STRUCTURES

DESCRIPTION

Under this Item the Contractor shall furnish, install, periodically clean and remove sediment filter bags at the locations shown on the plans or where ordered by the Engineer.

MATERIALS

The sediment filter bag shall be designed to allow the passage of water, while preventing silt and other particles and debris from passing into the drainage structure through the inlet opening. The size of the filter bag shall fit drainage structure grate and be made from a polypropylene fabric which substantially conforms to the following characteristics:

	<u>UNIT</u>	<u>TEST</u>
Permeability rate	1630 L/min/sq. m	
Grab tensile strength	1.33 kN	ASTM D-4632
Apparent opening size	425 _m	ASTM D-4751
Seams	Double stitched	

CONSTRUCTION DETAILS

The sediment filter bag shall be installed in accordance with the plans and Manufacturer's printed instructions. Two weeks prior to installation, the Contractor shall submit to the Engineer two copies of those instructions.

The sediment filter bag shall be installed for existing structures prior to any excavation or filling operations. For new structures, the sediment filter bag shall be installed after setting the new frame in place. The sediment filter bags shall be removed after turf has been established or AOB.

When ordered by the Engineer or at least once every twenty eight days, the Contractor shall remove and clean the sediment filter bag. The accumulated material shall be disposed of in accordance with Section 203-3.07. The sediment filter bag shall then be reinstalled in the structure as per Manufacturer's specifications unless the Engineer determines that the sediment filter bag is unfit for reinstallation, then it shall be replaced at no extra cost to the State.

METHOD OF MEASUREMENT

The work will be measured as number of structures which have sediment filter bags installed.

BASIS OF PAYMENT

The unit price bid shall include the cost of all labor, materials and equipment necessary to install, clean and remove sediment filter bags, including disposal. No additional payment will be made for new bags used to replace damaged bags.

Payment will be made at half (50%) the price bid for each structure after the sediment filter bag is first installed and half (50%) after the sediment filter bag is removed after no longer being required.