

DESCRIPTION

This work shall consist of installing, maintaining, and removing the protection screening as shown on the plans for all existing and proposed drainage structures shown in the contract documents.

MATERIALS

The material used to construct the silt protection screening as shown in the details and in the contract documents shall meet the requirements of the following:

Filter Fabric: The filter fabric shall conform to the requirements specified in §737-01A. Geotextile Bedding.

Sand Bags: The sand bags shall have a minimum weight of 4.5 kg.

Lumber: The lumber shall be a construction grade pine in accordance with §712-13.

Nails: All nails used shall be galvanized.

Wire Mesh: The 150 mm x 150 mm nominal wire mesh used to support the silt protection screening shall be steel wire cloth with a wire diameter of 2.03 mm.

CONSTRUCTION DETAILS

All construction of the silt protection screening shall be done in accordance to the specifications, details and A.O.B.E.

The Geotextile Filter Material shall be attached to the wire frame by using wire ties. The ties shall be placed every 0.3 m on center A.O.B.E.

The purpose of the sand bags will be to hold the filtering system in place and divert the runoff that occurs along the curb into the drainage grate. The placement of the sand bags shall be done at the same time that the filtering system is installed.

The installation of the silt protection screening shall be done as soon as any excavation is started on the job that could result in erosion runoff into the existing or proposed drainage system and A.O.B.E.

It shall be the Contractor's responsibility to inspect the basins weekly and after each rainfall. The Contractor shall be required to clean all sediment that is accumulated in the drainage grate. The filtering system shall be cleaned by using methods approved by the Engineer.

The sediment material that is removed from the drainage grate shall be removed from the site. All material that accumulates shall be disposed of by the Contractor in accordance with any State and Federal requirements at the time of removal. The silt protection screening shall then be reinstalled in the same basin unless ordered to be disposed of by the Engineer. In the event that any part of the silt protection screening is determined unusable, the Contractor shall reconstruct or refurbish the silt protection screening at no additional cost to the State.

METHOD OF MEASUREMENT

The work will be measured as the number of silt protection screening units that are installed.

BASIS OF PAYMENT

The unit price bid for each silt protection screening unit shall include the cost of equipment, labor, materials, installation, cleaning and removal necessary to complete the work. The placement of the sand bags and cones shall be included in this item. The Contractor will be paid 50% of the bid price upon the installation of the silt protection screening units and the remaining 50% upon the removal of the units when no longer needed as determined by the Engineer.