

## ITEM 807

### FILTER FABRIC

#### PART 1 GENERAL

##### 1.01 DESCRIPTION:

This item shall govern for furnishing the materials and for placing the filter fabric as indicated or directed by the Engineer. Filter Fabric shall have the capability of passing ground water without transporting the soil placed around the filter fabric.

#### PART 2 PRODUCTS

##### 2.01 MATERIALS:

###### A. General

The fabric shall be constructed exclusively of synthetic thermoplastic fibers and may be either woven or non woven to form a mat of uniform quality. Fabric fibers may be either continuous or discontinuous and oriented in either a random or an aligned pattern throughout the fabric. The fabric shall be mildew resistant, rot proof, shall be satisfactory for use in a wet soil and aggregate environment, contain ultraviolet stabilizers and have nonraveling edges.

###### B. Physical Requirements

The fabric shall meet the following requirements when sampled and tested in accordance with the methods indicated.

Test Original Physical Properties	Method	Requirements
Fabric weight, on an ambient temperature air-dried tension free sample, expressed in oz/sq. yd	SDHPT Test Method Tex-616-J "Testing of Construction Fibers"	4.0 minimum for Underdrains and Slope Stabilization, 6.0 minimum for Gabions and Revetment

#### PART 3 EXECUTION

##### 3.01 CONSTRUCTION METHODS:

Catalog cuts, samples and materials selected and the manufacturer's certification of compliance with the specification shall be submitted for review before any materials are ordered.

The "Filter Fabric" shall be installed in accordance with the manufacturer's recommendations, as indicated or as directed by the Engineer. When lapping is required, it shall be in accordance with the manufacturer's recommendations. Backfilling round the Filter Fabric shall be done in such a way as not to damage the Filter Fabric material during the placement.

##### 3.02 MEASUREMENT:

Work and acceptable material for "Filter Fabric" will be measured by the square yard, complete in place.

### **3.03 PAYMENT:**

The work performed and the materials furnished and measured as provided under "Measurement" will be paid at the unit price bid for "Filter Fabric", which price shall be full compensation for all materials, excavation and backfilling and for all manipulations, labor tools, equipment and incidentals necessary to complete the work, when included in the contract as a pay item.