



Iowa Department of Transportation

SPECIAL PROVISIONS FOR GEOTEXTILE FABRIC

Pottawattamie County
IM-NHS-029-3(102)48--03-78

THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

120230.01 DESCRIPTION.

A. Scope.

1. The work of this specification consists of providing and placing Geotextile Fabric soil separator.
2. All work will also include the preservation from injury or defacement of all vegetation and objects designated to remain as shown on the contract documents or as directed by the Engineer.

B. Samples and Submittals.

Geotextile Fabric: provide product literature and a 4 inch by 4 inch sample. Product literature will include complete product description including materials, thickness, and certified testing results.

120230.02 MATERIALS.

Geotextile fabric soil separator will be a needle punched, nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Fabric will be inert to biological degradation and resist naturally encountered chemicals, alkalis, and acids. Geotextile will meet the requirements of AASHTO M288-06 Class 3 for elongation greater than 50%. Fabric will have a minimum flow rate of 135 Gal./Min/Ft. and a minimum puncture strength of 135 pounds. Geotextile product will be: Mirafi 140N manufactured by Tencate, or approved equal manufactured by US Fabrics or Hanes Geo Components.

120230.03 CONSTRUCTION.

A. Installation of Geotextile Fabric.

1. Confirm that subbase has been installed and approved and that the surface elevations conform to the requirements of the contract documents.
2. Install geotextile fabric over freely draining aggregate subbase in a smooth and continuous

sheet, avoiding folds or wrinkles in the fabric. Overlap all sheets 24 inches, minimum. Extend fabric edges up at least 6 inches beyond the proposed finish grade for Planting Soil. Ensure that all aggregate is covered and that all edges are secured prior to placing planting soil.

3. No planting soil will be installed until the installed geotextile fabric has been inspected and accepted by the Engineer.

B. Cleanup.

1. Following installation of planting soil over geotextile fabric; cut, remove, and dispose exposed excess fabric.
2. At the end of all geotextile installation and before acceptance of the work, the Contractor will remove all debris, rubbish, etc., from the site. The premises will be left clean and presentable to the Engineer's satisfaction.

120230.04 METHOD OF MEASUREMENT.

Measurement will be at the contract unit price per square yard for Geotextile Fabric, supplied and installed.

120230.04 BASIS OF PAYMENT.

Payment for Geotextile Fabric will be made at the contract unit price and will constitute full compensation for complete compliance with requirements of this item, including all labor, equipment, materials, tools, incidental work, and construction methods.