Nonwoven Sediment Log Specifications

DESCRIPTION: Nonwoven Sediment Log shall consist of three parts:

1. Sediment Log geotextile shall be a 36" needle punched, nonwoven filter fabric, machine produced from 100% polypropylene. Geotextile should be designed specifically to retain sediment and remain highly permeable to water. Desired characteristics include small pore size, high U.V. resistance, high permittivity and a high percent open area.
2. 13/4 Cotton or Polyester Thread
3. Mulch or wood chips.

GEOTEXTILE PROPERTIES:

Mechanical/ Physical Properties	**Description/Minimum Average Roll Values**	**Test Method**
Structure	Nonwoven, needle punched	
Polymer	Polypropylene	
U.V. Resistance (@ 500hrs)	>70% Strength Retained	ASTM D4355
Permittivity	1.4 Sec^{-1}	ASTM D4491
Flow Rate	105 gpm/ft^2	ASTM D4491
Grab Tensile Strength	160 lbs	ASTM D4632
Grab Tensile Elongation	50%	ASTM D4632
Trapezoid Tear Strength	60 lbs	ASTM D4533
AOS (U.S. Sieve)	#70 Sieve	ASTM D4751
CBR Puncture Strength	410 lbs	ASTM D6241
Color	**Black**	

ASSEMBLY:

Geotextile shall be sewn into tube and filled with wood chips.

PACKAGING:

Color:	Black	
Tube Diameter	10"	+/- 1"
Tube Length	10'	+/- 3"
Laying Length	9' 6"	
Weight/Tube	75 lbs	+/- 10lbs.

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