

N.T.S.

SLIPCOVER FILTER SPECIFICATIONS FABRIC TYPE : NON-WOVEN, NEEDLE-PUNCHED GEOTEXTILE MINIMUM AVERAGE ROLL FABRIC PROPERTY ASTM TEST METHOD VALUES (MARVS) GRAB TENSILE STRENGTH ASTM D4632 ≥82 kg GRAB ELONGATION ASTM D4632 ≥50% MULLEN BURST ASTM D3786 ≥2275 kPa PUNCTURE STRENGTH ASTM D4833 ≥48 kg TRAPEZOIDAL TEAR >34 kg ASTM D4533 APPARENT OPENING SIZE ASTM D4751 FINER THAN OR EQUAL TO (AOS) 0.180 mm STANDARD SIEVE PERMEABILITY ≥0.003 m/s ASTM D4491 PERMITTIVITY ASTM D4491 ≥1.5 SEC⁻¹ WATER FLUX ASTM D4491 >4480 L/MIN/m² UV RESISTANCE ASTM D4355 >70% AT 500 HOURS ASTM D3776 MINUMUM 0.203 kg/m^2 HARDWARE CLOTH SPECIFICATIONS STANDARD SPECIFICATION ASTM A740 OPENING SIZE 13 mm X 13 mm

19 GAUGE (1.06 mm)

LOW CARBON STEEL (C1008)

WELDED HOT GALVANIZED STEEL WIRE FABRIC

1.0 kg/m²

GEOTEXTILE FILTER FABRIC 50 X 100 TOP BRACE SLIPCOVER OVER HARDWARE FLUSH WITH TOP CLOTH - WRAP GEOTEXTILE OF 50 X 150 AROUND OUTSIDE OF WOOD FRAME AND ANCHOR AS SHOWN BELOW SLIPCOVER -PROVIDE GALVANIZED 254 X 305 ANCHOR-HARDWARE CLOTH FOR TRENCH BACKFILL STOP BLOCKS ADDED SUPPORT. ANCHOR TRENCH WITH TO FRAME USING HEAVY DUTY WIRE STAPLES. NO. 57 STONE 100 X 100 BEYOND TOP OF 50 X 150 FLUSH WITH TOP 50 X 100 STUDS AT 1/3 SPAN FLOW CLEAR CLEAR OF STRUCTURE 50 X 150 BEYOND ANCHOR GEOTEXTILE — FABRIC WITH MINIMUM 254 MIN 305 ANCHOR FLAP 2439 TRENCH WIDTH FILTERED RUNOFF

SECTION B-B

N.T.S.

WIRE SIZE

WEIGHT

GRADE

TYPE

WIRE DIAMETER

305 mm ANCHOR FLAPS (ALL FOUR SIDES) 50 mm BEYOND BOTTOM OF FRAME

GEOTEXTILE SLIPCOVER FABRICATION

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FABRICATION SPECIFICATIONS:

- 1.GEOTEXTILE SLIPCOVER FABRIC SHALL HAVE HEAT-CUT FUSING FABRIC EDGES FOR STRENGTH.
- 2.ALL SEAMS SHALL BE SEWN WITH TWO INDEPENDENT ROWS OF LOCK-TYPE STITCHING, USING UV-BONDED POLYESTER THREAD (MINIMUM OF 63 kg) WITH MINIMUM OF SIX STITCHES PER EVERY 25 MILLIMETERS.
- CUT FABRIC EDGES.

- 3. THE INSIDE ROW OF STITCHING SHALL BE A MINIMUM OF 13 mm FROM HEAT-

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

STATE OF TENNESSEE STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

≡ SEWN EDGE

CATCH BASIN FILTER ASSEMBLY (TYPE 8) SLIPCOVER DETAILS

4-15-04 | ECM-STR-48A

CATCH BASIN FILTER ASSEMBLY (TYPE 8)

EROSION CONTROL PLAN LEGEND: