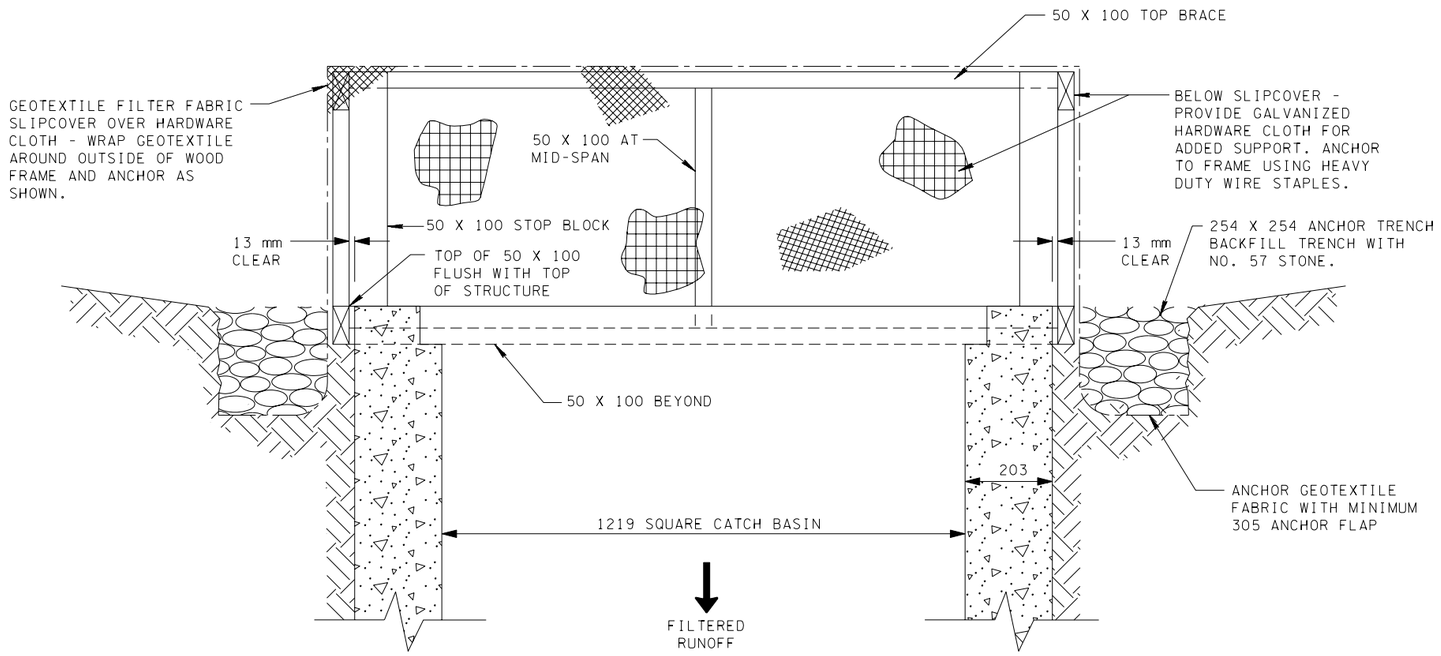
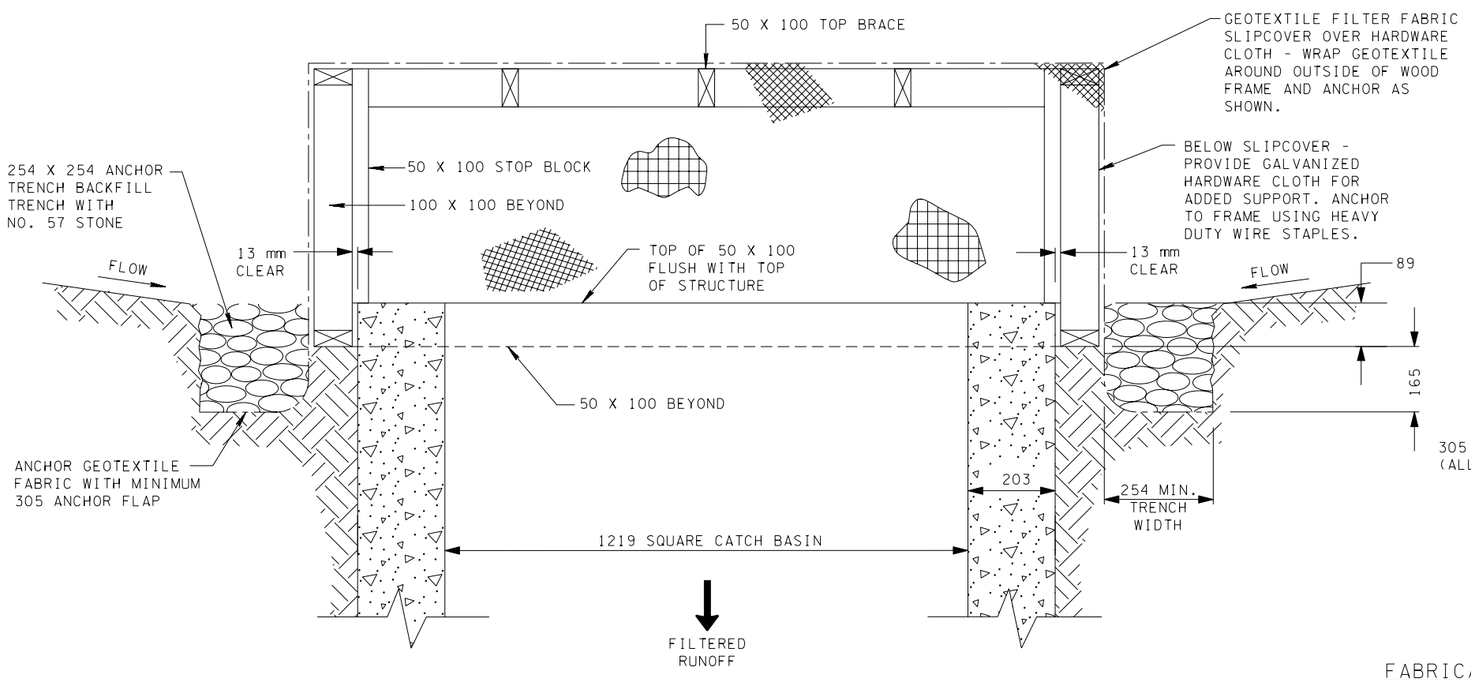


SECTION A-A

N.T.S.



SECTION B-B

N.T.S.

EROSION CONTROL PLAN LEGEND: ② CATCH BASIN FILTER ASSEMBLY (TYPE 2)

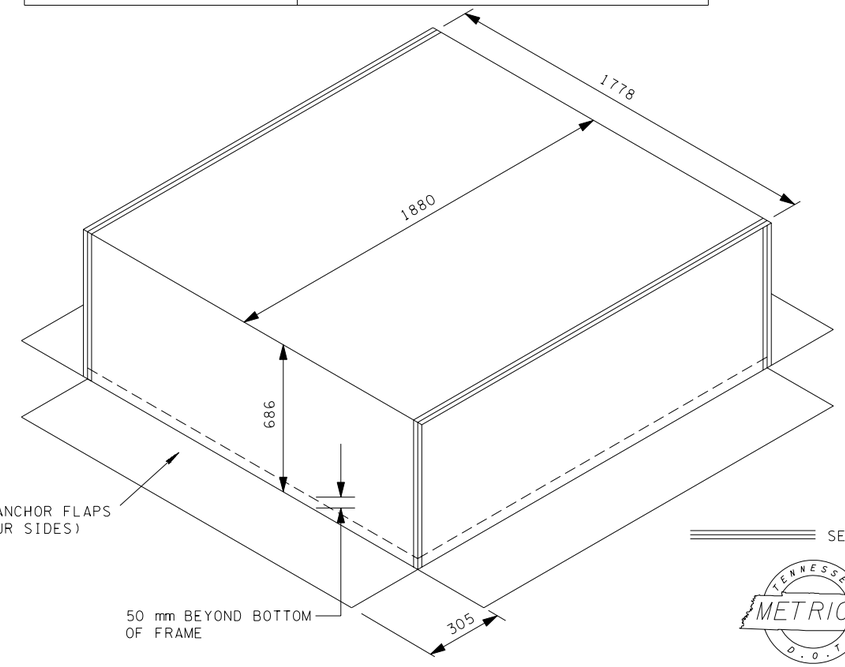
SLIPCOVER FILTER SPECIFICATIONS

FABRIC TYPE : NON-WOVEN, NEEDLE-PUNCHED GEOTEXTILE

FABRIC PROPERTY	ASTM TEST METHOD	MINIMUM AVERAGE ROLL 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	ASTM D4533	≥34 kg
APPARENT OPENING SIZE (AOS)	ASTM D4751	FINER THAN OR EQUAL TO 0.180 mm STANDARD SIEVE
PERMEABILITY	ASTM D4491	≥0.003 m/s
PERMITTIVITY	ASTM D4491	≥1.5 SEC^{-1}
WATER FLUX	ASTM D4491	≥4480 L/MIN/m^2
UV RESISTANCE	ASTM D4355	≥70% AT 500 HOURS
WEIGHT	ASTM D3776	MINUMUM 0.203 kg/m^2

HARDWARE CLOTH SPECIFICATIONS

STANDARD SPECIFICATION	ASTM A740
OPENING SIZE	13 mm X 13 mm
WIRE SIZE	19 GAUGE (1.06 mm)
WIRE DIAMETER	1 mm
WEIGHT	1.0 kg/m^2
GRADE	LOW CARBON STEEL (C1008)
TYPE	WELDED HOT GALVANIZED STEEL WIRE FABRIC



GEOTEXTILE SLIPCOVER FABRICATION

N.T.S.

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

TENNESSEE METRIC D.O.T.

ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS

4-15-04 ECM-STR-42A