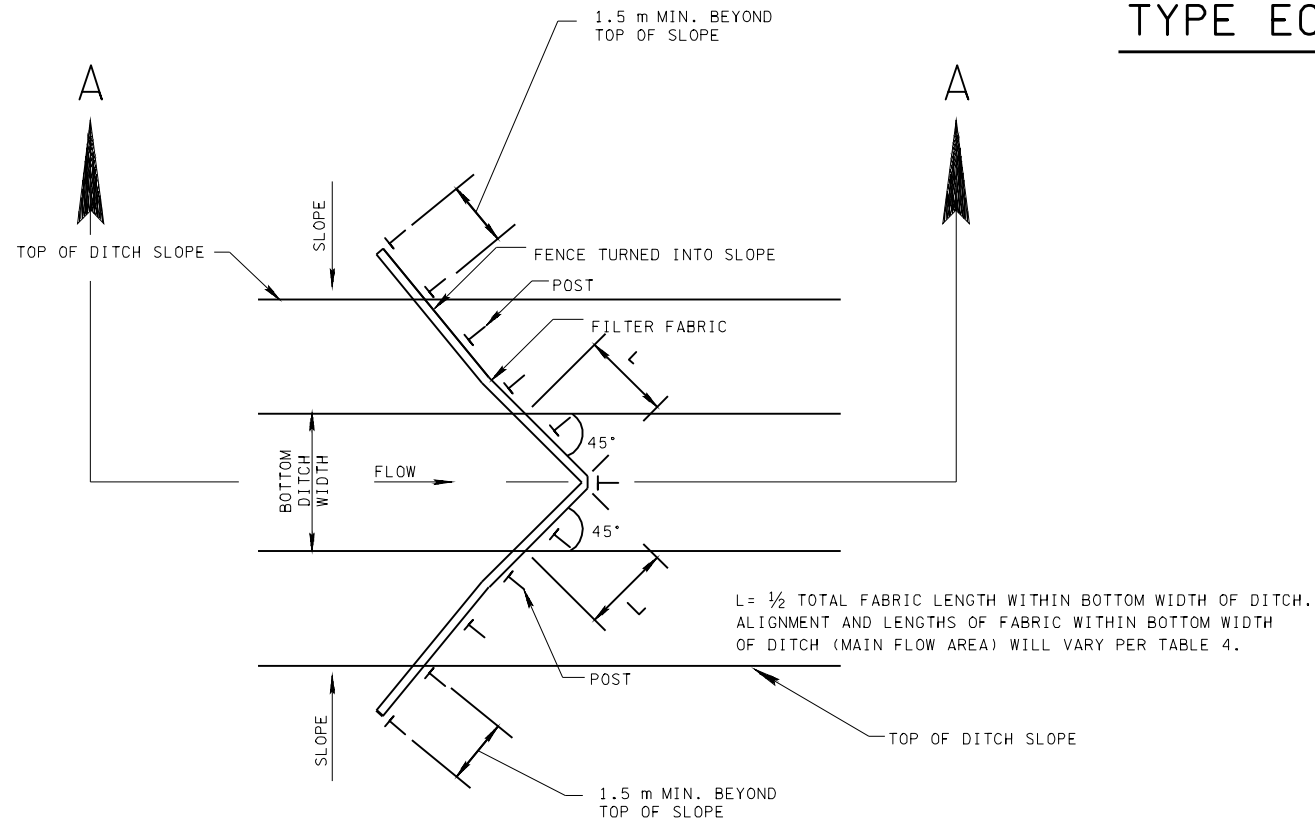
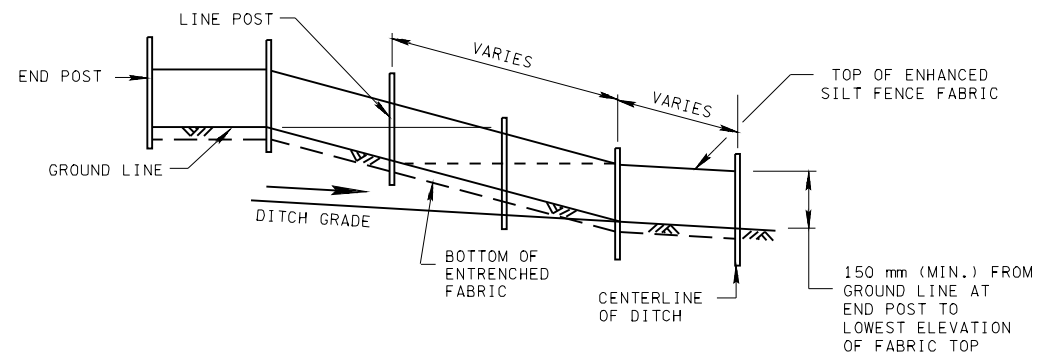


TYPE EC I



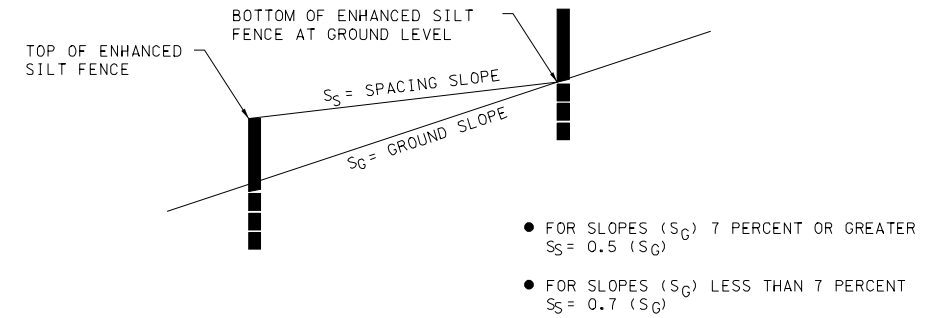
PLAN VIEW

EROSION CONTROL PLAN LEGEND: \triangleright TEMPORARY TYPE EC I FILTER BARRIER EROSION DITCH CHECK



SECTIONAL VIEW A-A

(USE ENHANCED FILTER FABRIC AS DITCH CHECK AND FILTER)



- FOR SLOPES (S_g) 7 PERCENT OR GREATER
 $S_s = 0.5 (S_g)$
- FOR SLOPES (S_g) LESS THAN 7 PERCENT
 $S_s = 0.7 (S_g)$

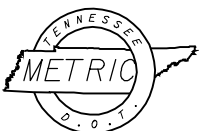
SPACING FOR ENHANCED SILT FENCE

DITCH WIDTH BOTTOM (m)	TOTAL ENHANCED SILT FABRIC FENCE LENGTH (2L) WITHIN FLAT-BOTTOM ZONE OF DITCH, (PER LINEAR METER)	* MAX. ALLOWABLE DESIGN PEAK FLOW FROM WATERSHED (L/SEC)
0.9	1.4	51.0
1.2	1.8	60.0
1.5	2.1	71.0
1.8	2.6	82.0
2.1	3.0	93.0
2.4	3.5	105.0
2.7	4.0	113.0
3.0	4.4	127.0
3.7	5.2	150.0
4.5	6.6	184.0

* BASED ON 2445 LITERS PER MIN/m² ENHANCED SILT FENCE FABRIC. SEE TABLE 3 FOR ENHANCED SILT FENCE FABRIC SPECIFICATION ON STANDARD DRAWING ECM-STR-3D.

GENERAL NOTES

- A DITCH WITH A TRAPEZOIDAL CROSS-SECTION IS ASSUMED WITH 1:1 SIDESLOPES UNLESS OTHERWISE NOTED.
- FENCE LENGTH DESIGNATED INCLUDES THE LENGTH OF FENCE STAKED WITHIN THE BOTTOM WIDTH OF DITCH (2L).
- IF ANTICIPATED DITCH FLOWS EXCEED THE VALUES SHOWN IN THE TABLE FOR THE GIVEN BOTTOM DITCH WIDTH, THEN PROVIDE A DESIGNED SPILLWAY OR BYPASS FOR OVERFLOW. OTHERWISE, ALTERNATE CHECK OR FILTER STRUCTURES MUST BE USED (E.G., ROCK CHECK/FILTERS).
- ANCHOR AND INSTALL TEMPORARY ENHANCED SILT FENCE PER DETAILS AND SPECIFICATIONS SHOWN ON STANDARD DRAWING ECM-STR-3D.



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TEMPORARY
EROSION
DITCH CHECK
USING ENHANCED
SILT FENCE