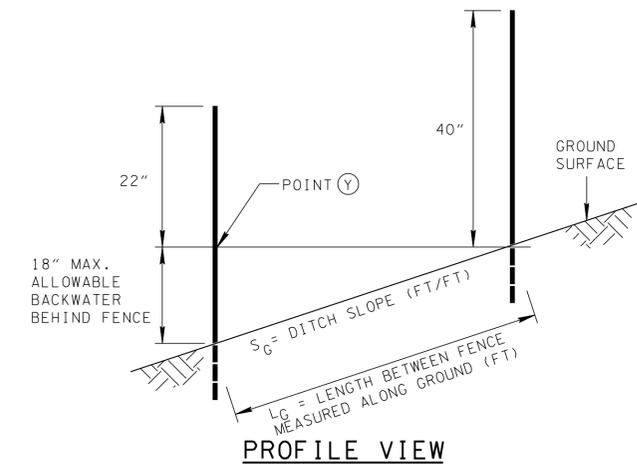
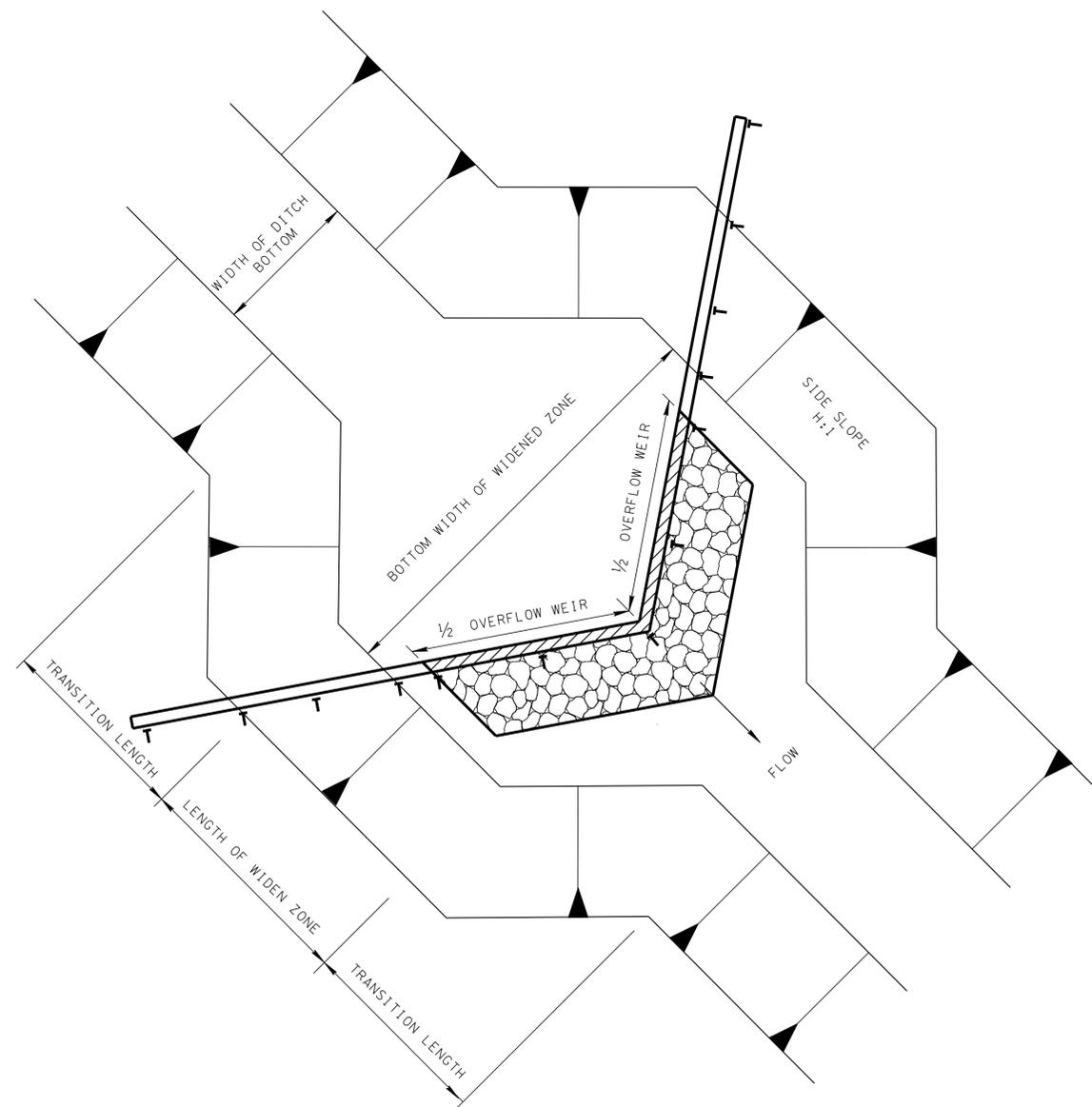


STATION (LT or RT)	L (FT) (1)	X1 (FT) (1)	X2 (FT) (1)	OVERFLOW WEIR LENGTH (FT)	TOTAL LENGTH OF ESF (FT)	WIDENED ZONE				
						BOTTOM WIDTH (FT)	SIDE SLOPE (H:1)	LENGTH (FT)	TRANSITION	
									RATIO	LENGTH (FT)

(1) REFER TO STD. DWG. EC-STR-4 OR EC-STR-4A

DITCH SLOPE S_G (FT/FT)	RECOMMENDED SPACING, (L_G) BETWEEN ENHANCED SILT FENCE CHECKS (FT)
0.01	150
0.02	75
0.03	50
0.04	40
0.05	30
0.06 AND STEEPER	25



SPACING FOR ENHANCED
SILT FENCE CHECKS

ENHANCED SILT FENCE CHECK GENERAL NOTES

- (A) ENHANCED SILT FENCE CHECKS ARE USED TO REMOVE SUSPENDED SEDIMENTS FROM STORM WATER FLOW VIA SETTLING AND FILTRATION. THEY ARE ALSO USED FOR VELOCITY REDUCTION. ENHANCED SILT FENCE CHECKS SHOULD NOT BE PLACED IN STREAMS OR OTHER NATURAL WATER RESOURCES.
- (B) IT MAY BE NECESSARY TO FLATTEN THE DITCH SIDE SLOPES AND/OR WIDEN THE DITCH BOTTOM WIDTH IN THE VICINITY OF THE CHECK IN ORDER TO ACHIEVE THE SURFACE AREA OF FABRIC REQUIRED FOR THE CHECK. REFER TO LIMITS OF FLOW TABLE ON EC-STR-4 AND EC-STR-4A.
- (C) FOR ADDITIONAL INSTALLATION INFORMATION REFER TO EC-STR-4 FOR ENHANCED SILT FENCE CHECK USED IN TRAPEZOIDAL DITCHES AND EC-STR-4A FOR ENHANCED SILT FENCE CHECKS USED IN V-DITCHES.
- (D) FOR INSTALLATION DETAILS FOR ENHANCED SILT FENCE SEE STANDARD DRAWING EC-STR-3D AND EC-STR-3E.
- (E) THE SPACING OF ENHANCED SILT FENCE CHECKS, ALONG A DITCH SHOULD BE BASED ON A COMBINATION OF HYDRAULIC PROPERTIES OF THE FENCE MATERIAL, LIMITS OF FLOW TABLE (EC-STR-4 AND EC-STR-4A), AND THE SPACING TABLE.
- (F) UPON REMOVAL OF THE ENHANCED SILT FENCE CHECK THE WIDENED ZONE SHOULD BE IMMEDIATELY RESHAPED TO MATCH THE PROPOSED DITCH SIZE. IT SHOULD BE COVERED WITH SEEDING AND EROSION CONTROL BLANKETS OR TURF REINFORCEMENT MATS OR IT SHOULD BE SODDED.

MINOR REVISION -- FHWA
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENHANCED SILT
FENCE CHECK
DETAILS

01-01-10 EC-STR-4B