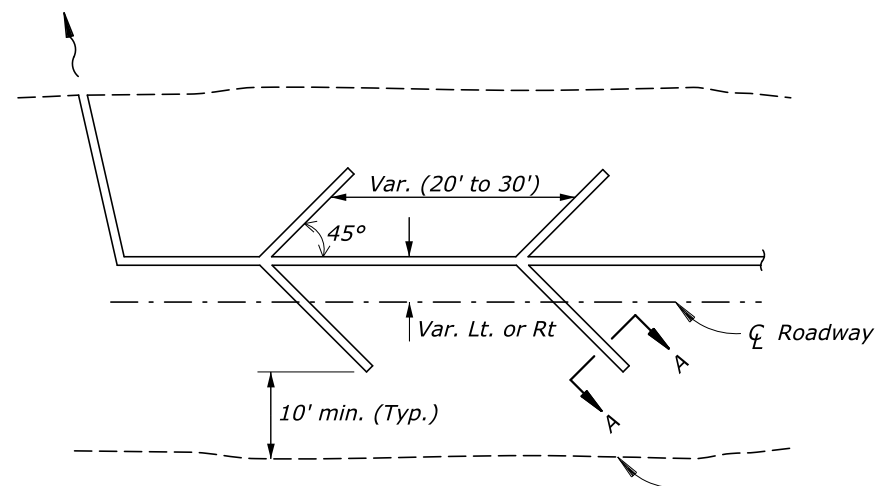
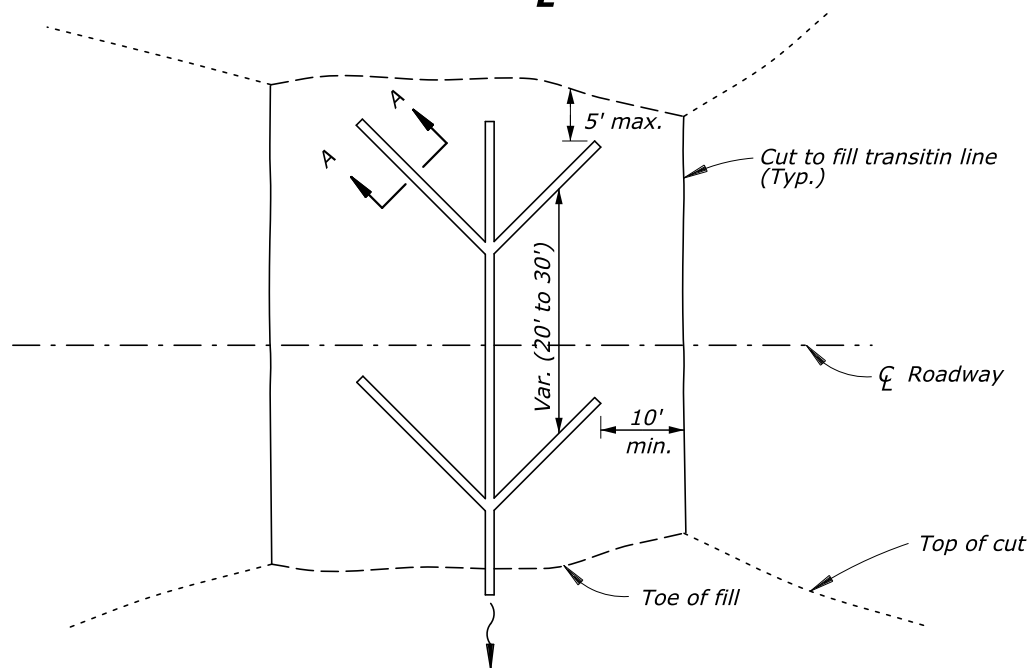


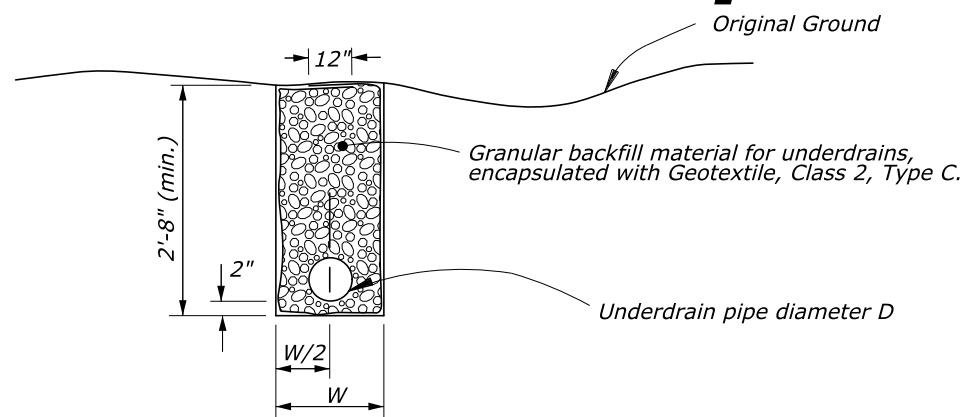
NOTE:  
 1. Location of pipe underdrains may be adjusted by the CO.  
 2. Minimum grade of underdrain is 0.5%.



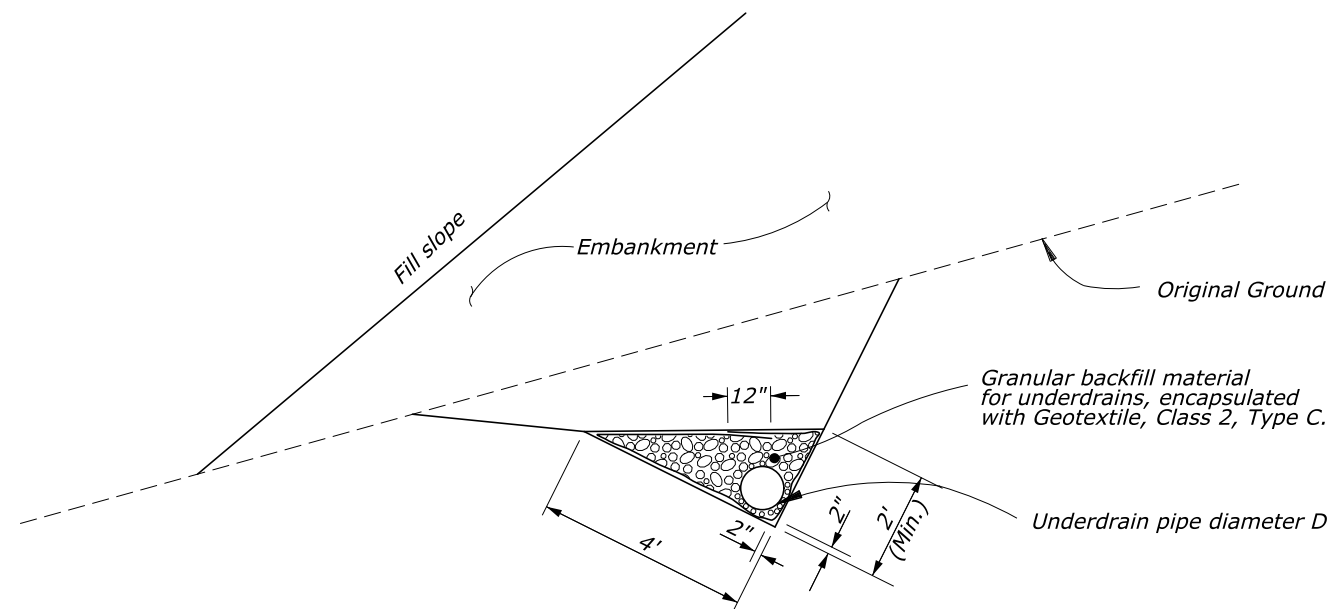
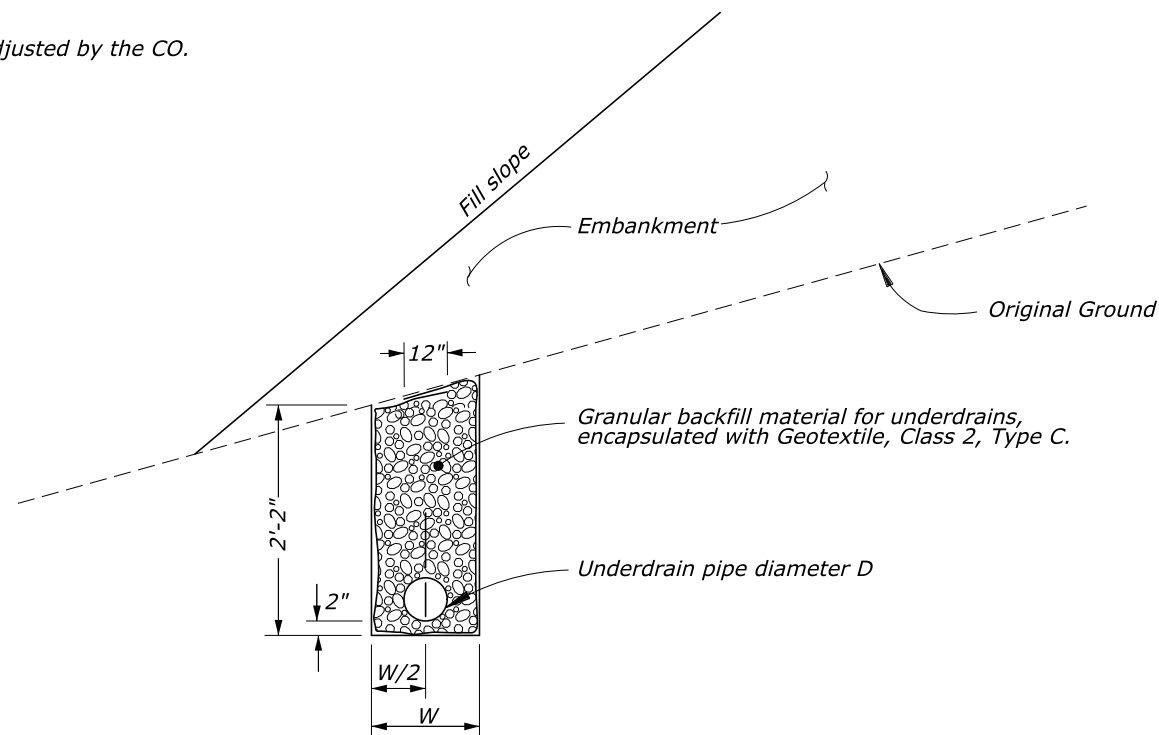
**HERRINGBONE DRAINAGE PATTERN  
(PARALLEL TO  $\zeta$ )**



**HERRINGBONE DRAINAGE PATTERN  
(PREPENDICULAR TO  $\zeta$ )**



**SECTION A-A**



DIAMETER (D)	WIDTH (W)
4"	12"
6"	15"

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U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>UNDERDRAIN, FOR FILL SLOPES</b>	
DETAIL APPROVED FOR USE	DETAIL
APPROVED: MAY 2011 REVISED: SEPTEMBER 2014	E605-02