
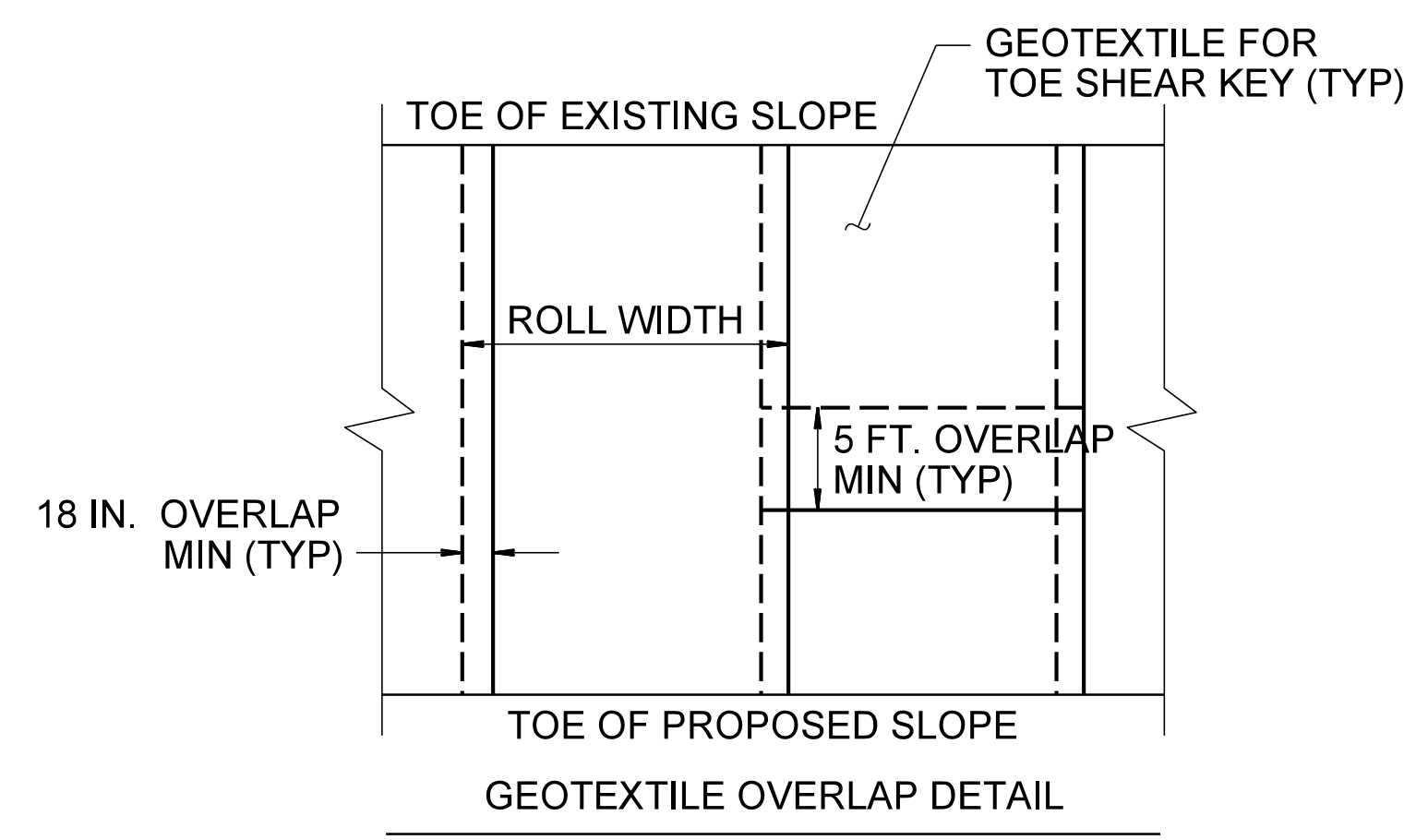
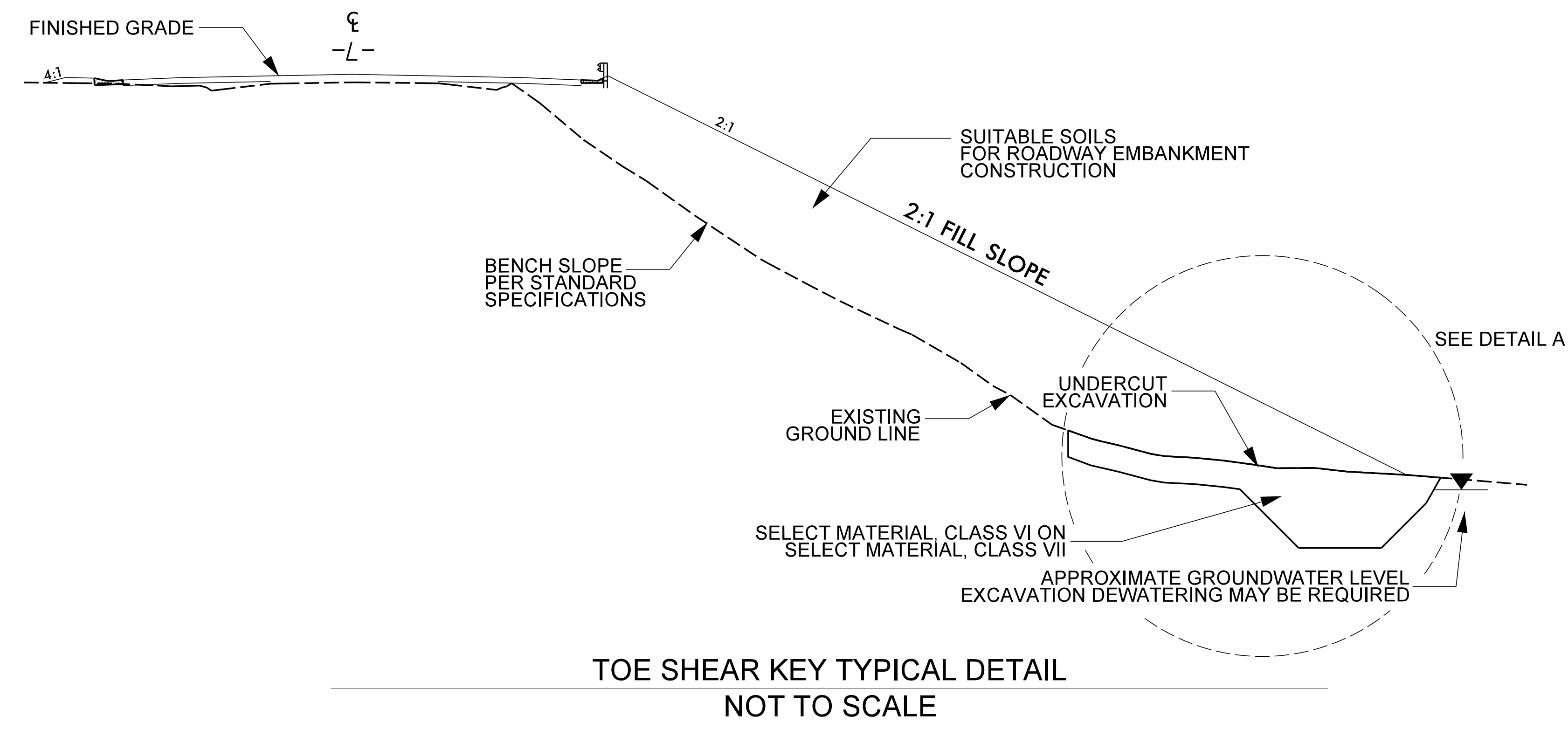


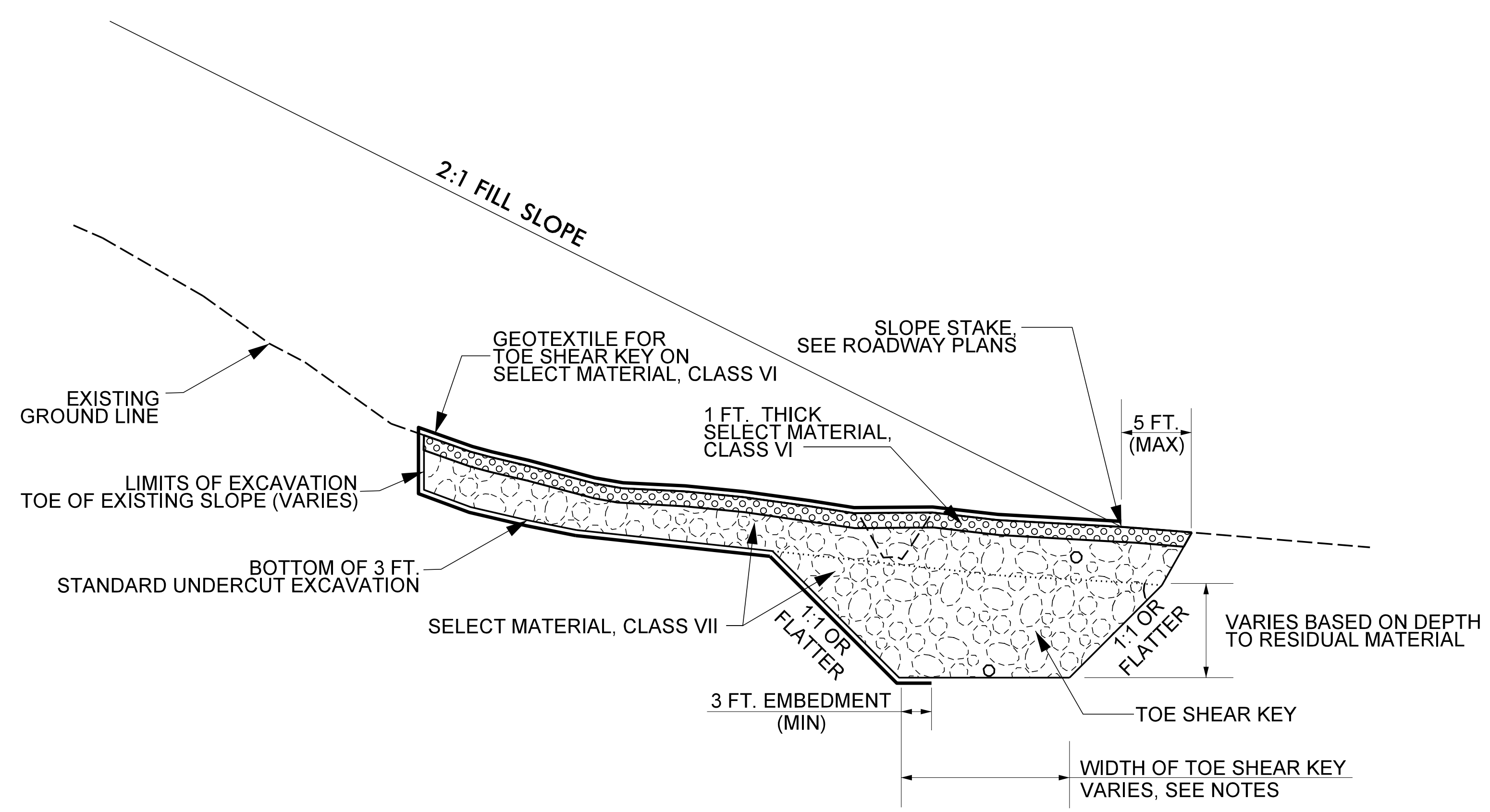
PROJECT REFERENCE NO. A-0009CC	SHEET NO. 2G-2
GEOTECHNICAL ENGINEER  D. Matthew Brewer 10/17/22	ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



FOR USE IN THE FOLLOWING LOCATIONS, OR AS DIRECTED BY THE ENGINEER
 STATION: -Y2-, 23+50 to 26+50, LT
 -Y2-, 48+00 to 53+00, LT
 -Y2-, 55+00 to 60+00, LT
 -Y2-, 66+40 to 70+00, RT
 -DR4-, 10+35 to 11+25, LT

NOTES:
 FOR TOE SHEAR KEY, SEE TOE SHEAR KEY SPECIAL PROVISION
 PERFORM UNDERCUT EXCAVATION IN THE AREAS NOTED. UNDERCUT SHALL EXTEND FROM TOE OF EXISTING SLOPE TO FIVE FEET BEYOND OF TOE OF PROPOSED SLOPE. UNDERCUT EXCAVATION SHALL EXTEND TO A DEPTH OF 3 FEET BELOW EXISTING GRADE.
 FOR SELECT MATERIAL, CLASS VII, SEE TOE SHEAR KEY SPECIAL PROVISION.
 FOR SELECT MATERIAL, CLASS VI, SEE TOE SHEAR KEY SPECIAL PROVISION.
 FOR GEOTEXTILE FOR TOE SHEAR KEY AND SELECT MATERIAL, CLASS VI, SEE TOE SHEAR KEY SPECIAL PROVISION
 WIDTH OF TOE SHEAR KEY AT -Y2-, 23+50 to 26+50, LT IS 5 FT.
 WIDTH OF TOE SHEAR KEY AT -Y2-, 48+00 to 53+00, LT IS 10 FT.
 WIDTH OF TOE SHEAR KEY AT -Y2-, 55+00 to 60+00, LT IS 10 FT.
 WIDTH OF TOE SHEAR KEY AT -Y2-, 66+40 to 70+00, RT IS 10 FT.
 WIDTH OF TOE SHEAR KEY AT -DR4-, 10+35 to 11+25, LT IS 10 FT.

ESTIMATED QUANTITIES TOE SHEAR KEY	
SELECT MATERIAL, CLASS VII FOR TOE SHEAR KEY	36,220 TON
SELECT MATERIAL, CLASS VI FOR TOE SHEAR KEY	5,630 TON
GEOTEXTILE FOR TOE SHEAR KEY	21,890 SY
UNDERCUT EXCAVATION FOR TOE SHEAR KEY	22,600 CY



DETAIL A - TOE SHEAR KEY ADDITIONAL DETAILS AND DIMENSIONS
 NOT TO SCALE

PREPARED BY: D. MATTHEW BREWER, P.E.	DATE: 7/14/22
REVIEWED BY: ROBERT E. KRAL, P.E.	DATE: 7/14/22

Prepared in the Office of:



**CAROLINAS
 GEOTECHNICAL
 GROUP**
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**GEOTECHNICAL
 CONSTRUCTION DETAILS -
 TOE SHEAR KEY**

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		