
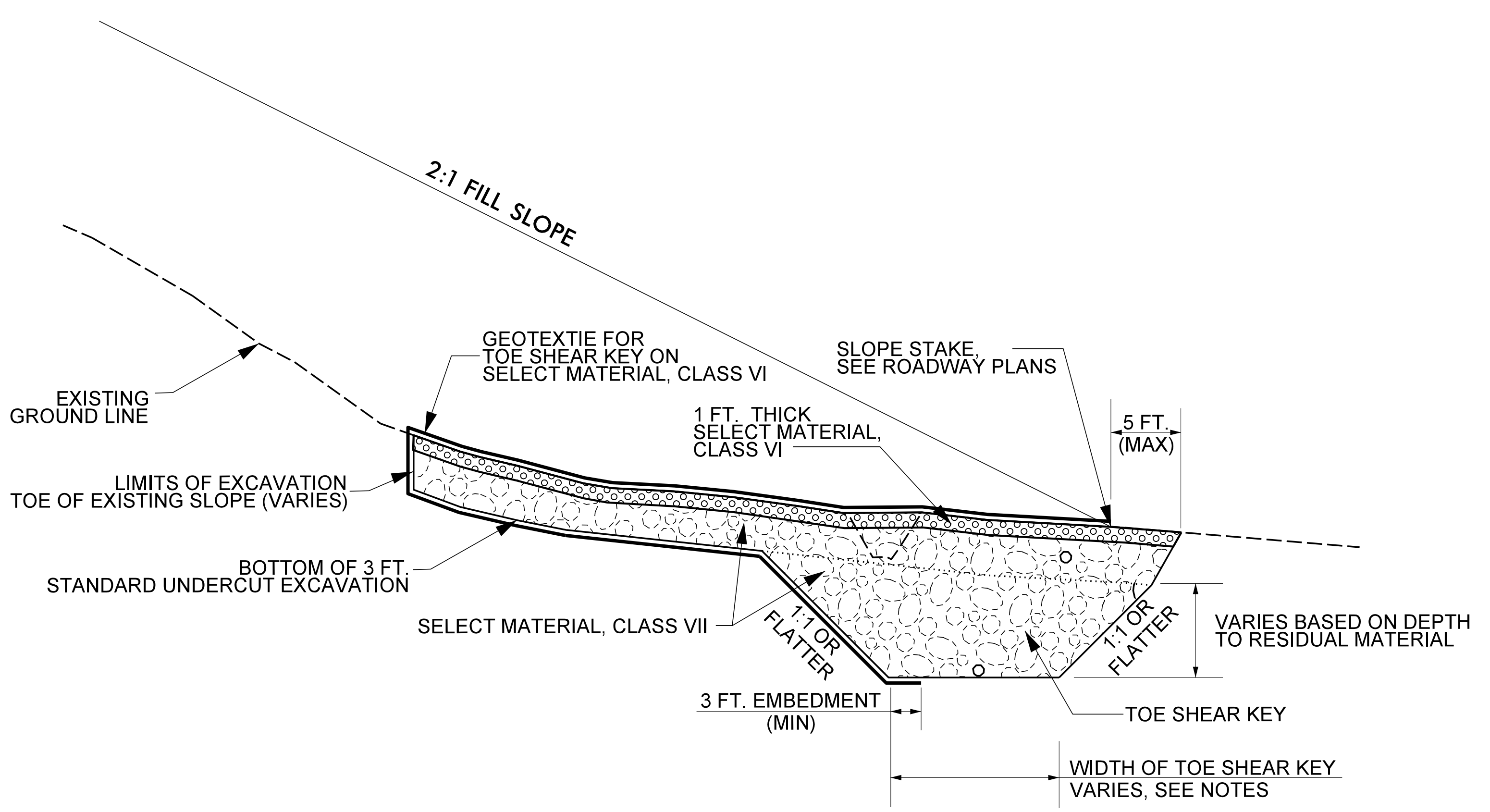
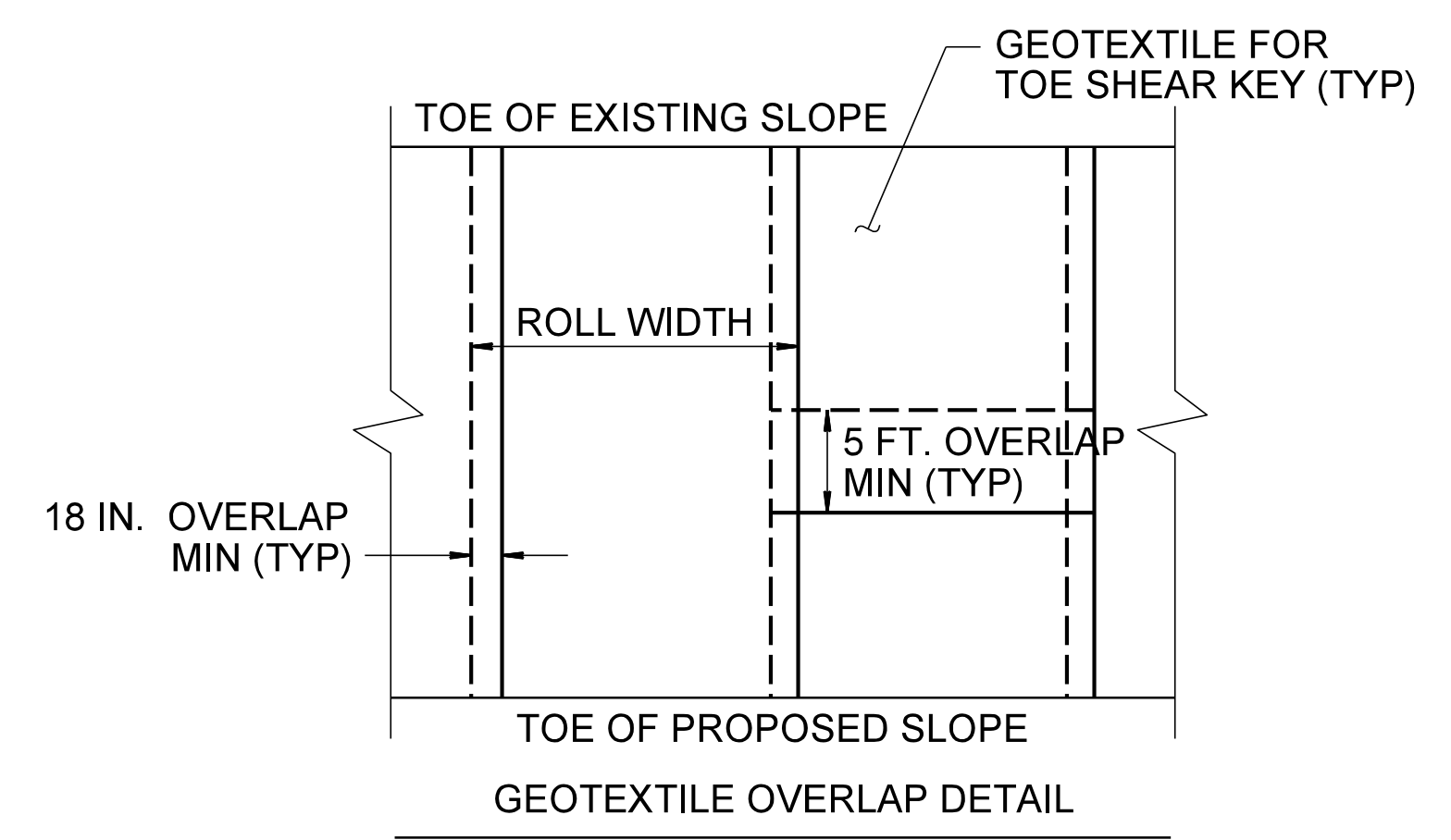
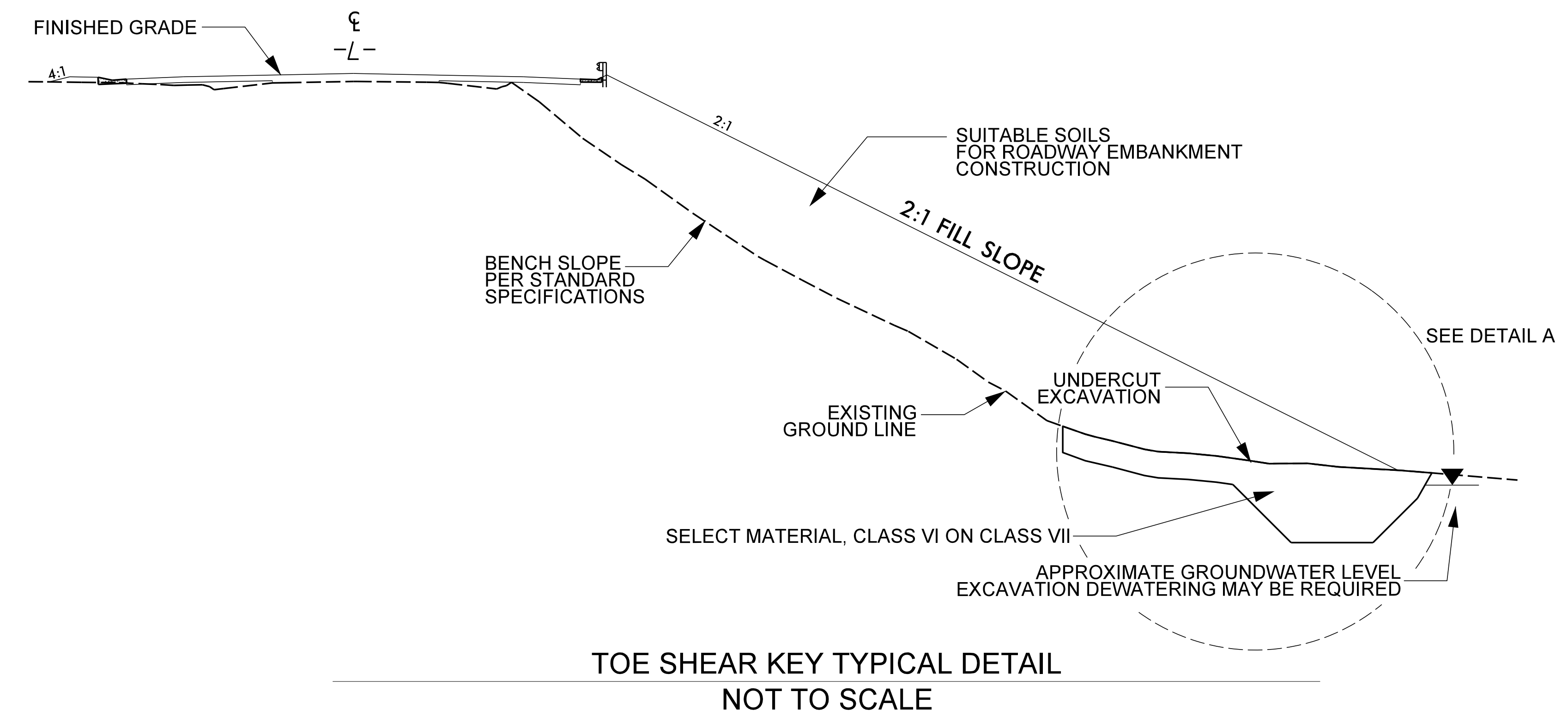


<b>PROJECT REFERENCE NO.</b> A-0009CB	<b>SHEET NO.</b> 2G-2
GEOTECHNICAL ENGINEER  D. Matthew Brewer 388122024/07/14/22 SIGNATURE DATE	ENGINEER _____ SIGNATURE DATE
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



FOR USE IN THE FOLLOWING LOCATIONS, OR AS DIRECTED BY THE ENGINEER  
 STATION: -L-, 310+00 TO 313+50 RT

- 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 -L-, 310+00 TO 313+50 RT IS 15 FT.

ESTIMATED QUANTITIES TOE SHEAR KEY	
SELECT MATERIAL, CLASS VII FOR TOE SHEAR KEY	7,100 TON
SELECT MATERIAL, CLASS VI FOR TOE SHEAR KEY	1,750 TON
GEOTEXTILE FOR TOE SHEAR KEY	5,250 SY
UNDERCUT EXCAVATION FOR TOE SHEAR KEY	4,400 CY

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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 SUITE 800  
 CHARLOTTE, NC 28227  
 (980) 339-8684

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

**GEOTECHNICAL CONSTRUCTION DETAILS - TOE SHEAR KEY**