


GEOTECHNICAL  
ENGINEER



DocuSigned by:  
*Cheng Wang*  
172112246833403  
SIGNATURE

ENGINEER

8/8/2025  
DATE

SIGNATURE

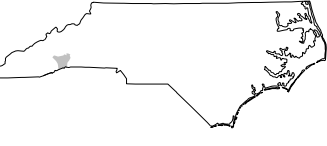
DATE

DOCUMENT NOT CONSIDERED FINAL  
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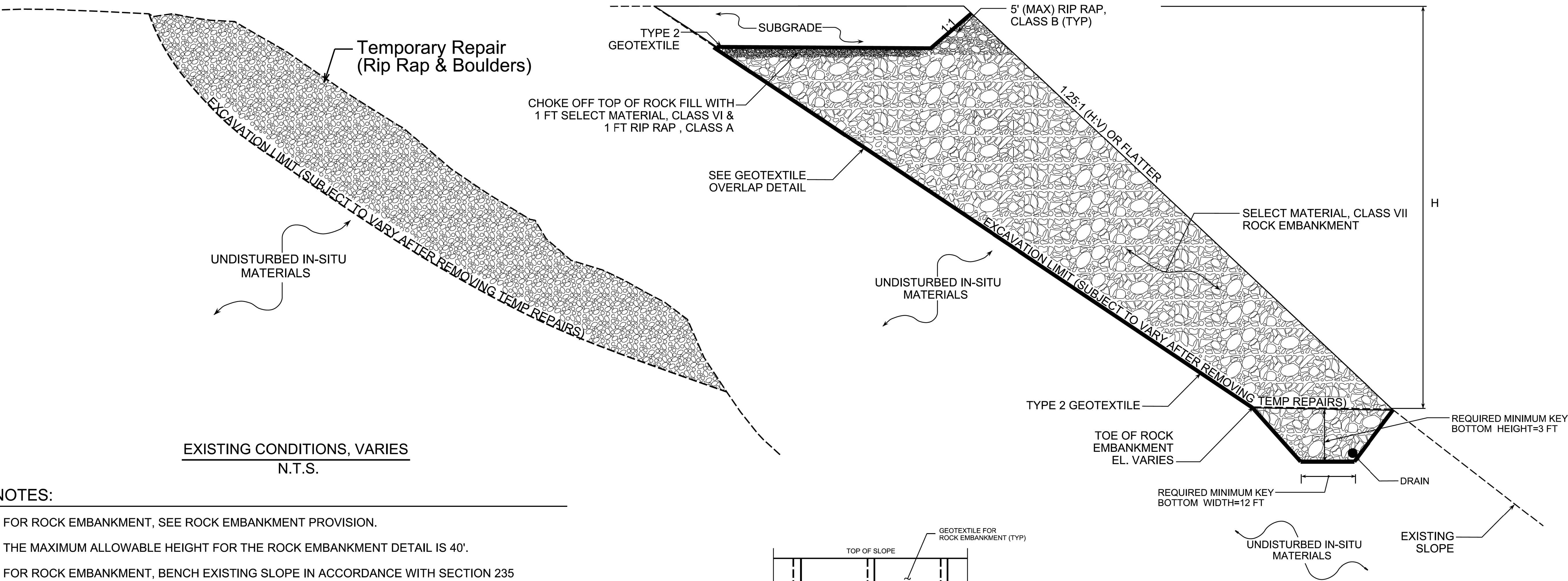
DF18314.  
2045455

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NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HENDERSON COUNTY

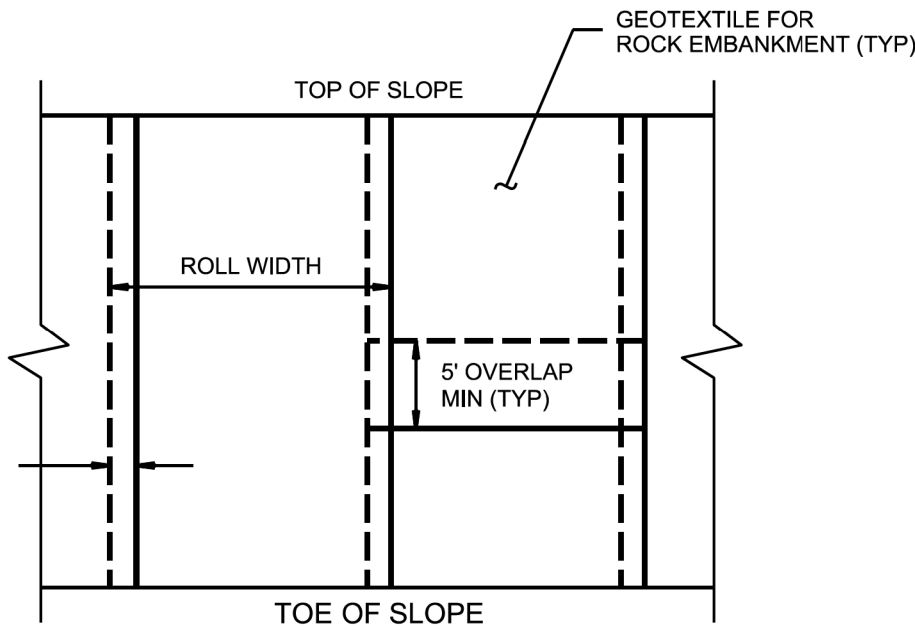


HIGHWAY DIVISION 14



NOTES:

- FOR ROCK EMBANKMENT, SEE ROCK EMBANKMENT PROVISION.
- THE MAXIMUM ALLOWABLE HEIGHT FOR THE ROCK EMBANKMENT DETAIL IS 40'.
- FOR ROCK EMBANKMENT, BENCH EXISTING SLOPE IN ACCORDANCE WITH SECTION 235 OF THE STANDARD SPECIFICATIONS, WHERE POSSIBLE.
- REMOVE THE TEMPORARY REPAIR (RIP RAP AND BOULDERS) TO UNDISTURBED IN-SITU MATERIALS TO THE SATISFACTION OF THE ENGINEER BEFORE CONSTRUCTING ROCK EMBANKMENT.
- IF SOFT/LOOSE MATERIALS EXIST AT THE TOE OF SLOPE, UNDERCUT THE MATERIALS TO THE SATISFACTION OF THE ENGINEER AND BACKFILL WITH SELECT MATERIAL APPROVED BY THE ENGINEER.
- CONSTRUCTION OF THE TOE KEY MAY REQUIRE ADDITIONAL EXCAVATION BEYOND THE LIMITS OF THE TEMPORARY REPAIR




GEOTEXTILE OVERLAP DETAIL  
(PLAN VIEW) N.T.S.

ROCK EMBANKMENT DETAIL  
N.T.S.

PROJECT NO.: DF18314.2045455  
COUNTY: HENDERSON

PREPARED BY: C. WANG, P.E.	DATE: 08/25
REVIEWED BY: P. ALTON, P.E.	DATE: 08/25

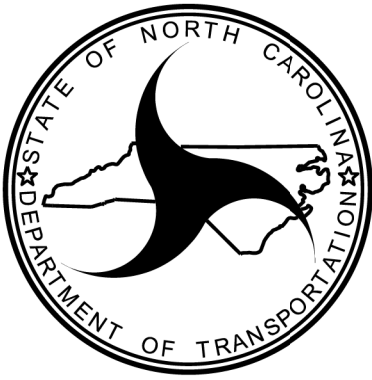
SINCE  
  
1881

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NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
  
GEOTECHNICAL  
ENGINEERING UNIT

HURRICANE HELENE EMERGENCY REPAIRS  
ROCK EMBANKMENT  
SITE 8-BALD ROCK RD.

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

SHEET  
NO.  
2G-8

REVISIONS