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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045452	2G-1
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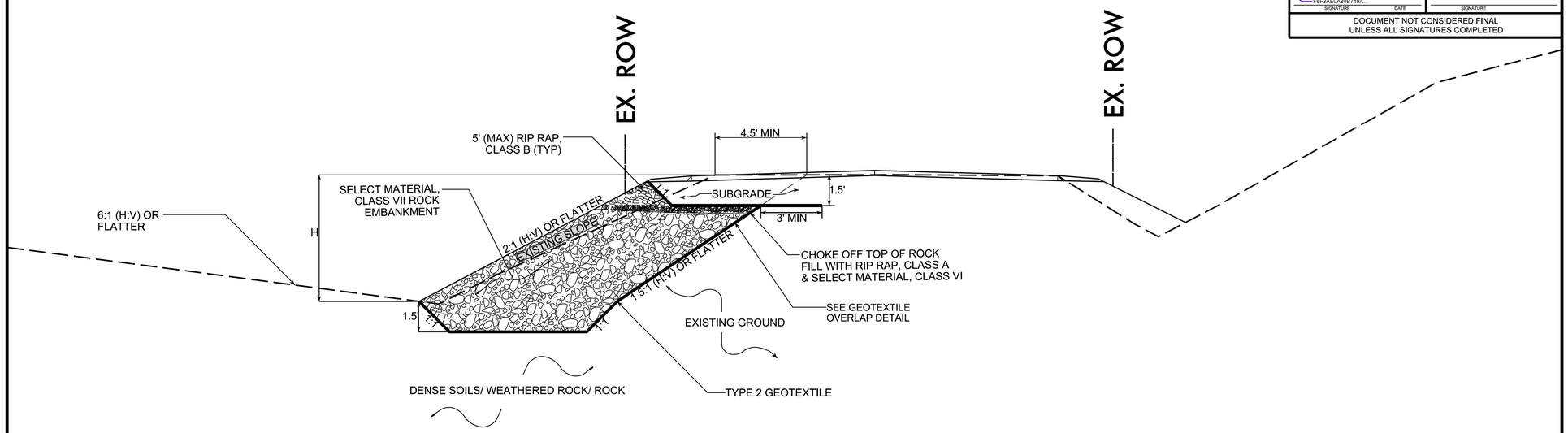
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

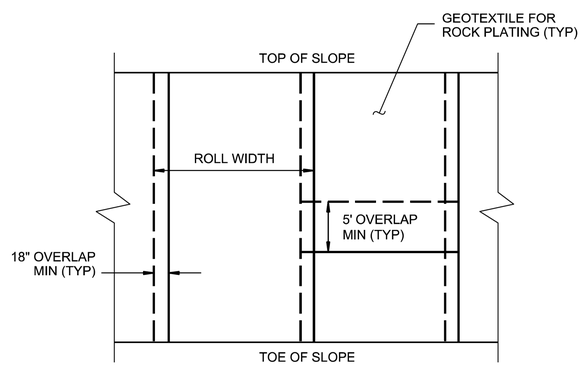
GEOTECHNICAL DETAILS

GEOTECHNICAL ENGINEER	ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 051684 ENGINEER MICHAEL S. LAMB Signed by: F6F3AE0A80B749A... 6/23/2026	
SIGNATURE / DATE	SIGNATURE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



EMBANKMENT DETAIL



GEOTEXTILE OVERLAP DETAIL
(PLAN VIEW)

NOTES:

1. FOR ROCK EMBANKMENT, BENCH EXISTING SLOPE IN ACCORDANCE WITH SECTION 235 OF THE STANDARD SPECIFICATIONS, WHERE POSSIBLE.

2. INSTALL GEOTEXTILE FABRIC BENEATH RIP RAP TO SEPARATE RIP RAP FROM NATIVE SOILS AND REDUCE POTENTIAL FOR MIGRATION OF FINE MATERIALS. GEOTEXTILE SHALL BE EMBEDDED BENEATH THE ROADWAY SUBGRADE OR TO A MINIMUM DEPTH OF 1.5'. AT THE CREEK SIDE, PLACE THE FABRIC BENEATH THE RIP RAP.

3. TYPICAL DETAIL - DRAWN BASED ON CONDTIONS AT -L- STA. 15+50.00. VERIFY APPLICABILITY AT EACH LOCATION FROM -L- STA. 10+98.98 TO 16+25.00.

ESP ESP ASSOCIATES, INC.
P.O. BOX 7030
CHARLOTTE, NC 28241
WWW.ESPASSOCIATES.COM
FIRM NC LICENSE NO.: F-1407

PREPARED BY: PB	DATE: 5/2026
REVIEWED BY: HAA/MML	DATE: 5/2026

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL
ENGINEERING UNIT

DF18314.2045452
SR 1700 (RIVERSIDE DR) ALONG
REEDYPATCH CREEK
ROCK EMBANKMENT

REVISIONS						
NO.	BY	DATE	NO.	BY	DATE	SHEET NO.
1			3			1 OF 5
2			4			

AMT A. MORTON THOMAS AND ASSOCIATES, INC.
900 RIDGEFIELD DRIVE, SUITE 325•RALEIGH, NC 27609
(919) 855-9989•NC LICENSE NO. F-1049
WWW.AMTENGINEERING.COM

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