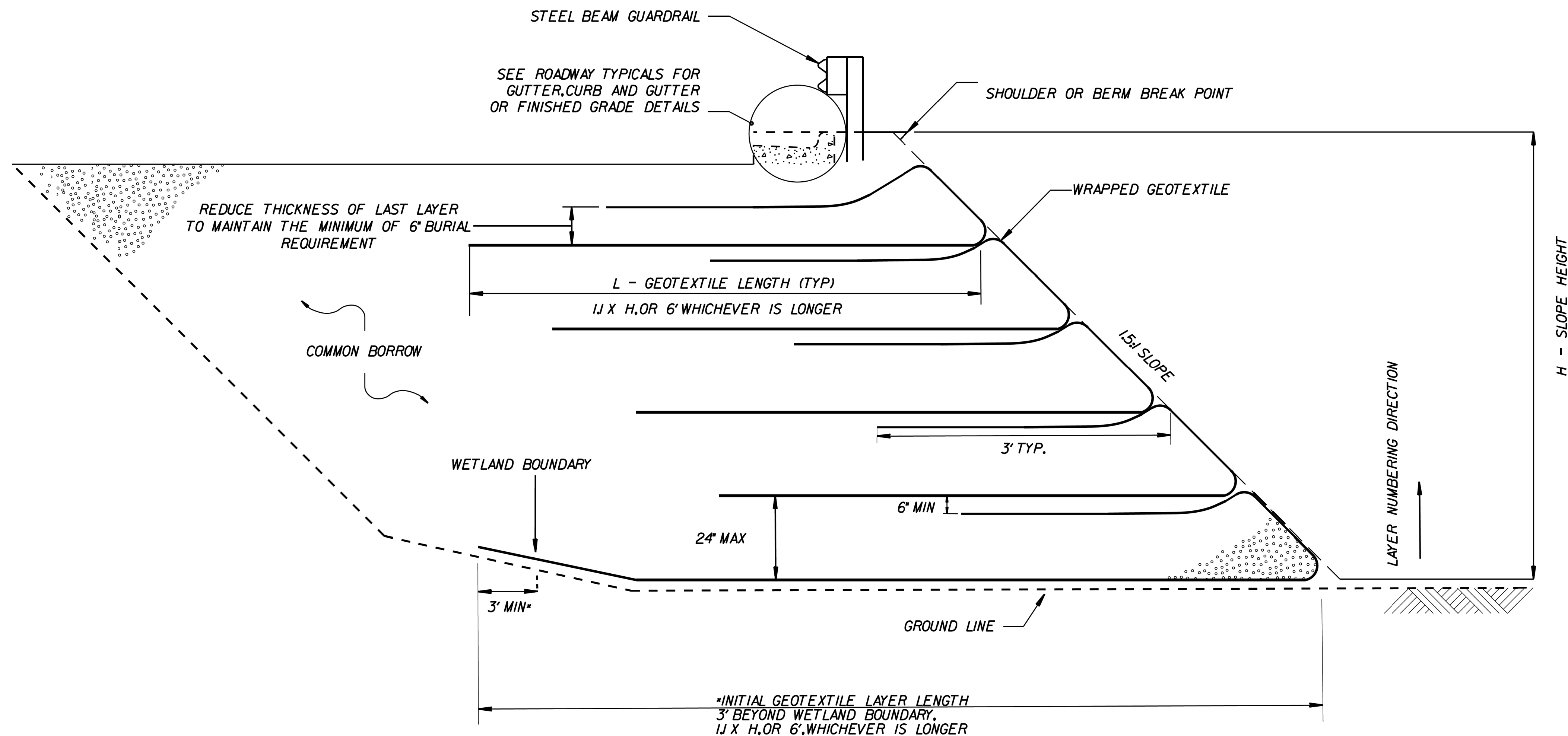


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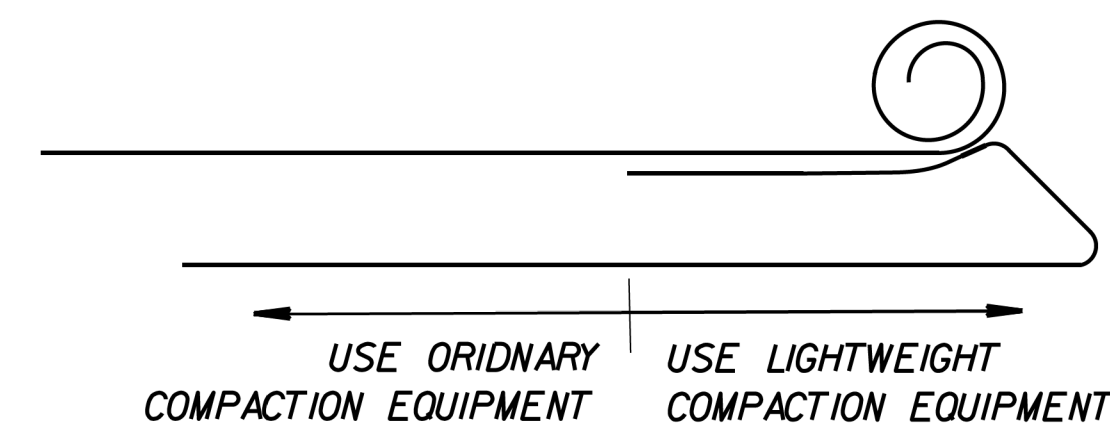
MODIFIED REINFORCED SOIL SLOPES – TYPICAL SECTION

NOTES:

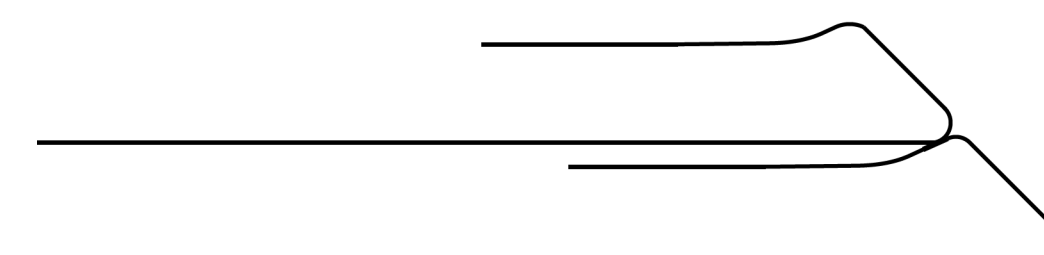
- FOR MODIFIED REINFORCED SOIL SLOPES (MRSS), SEE MODIFIED REINFORCED SOIL SLOPES PROVISION.
- DO NOT PLACE ANY GEOTEXTILE UNTIL EXCAVATION DIMENSIONS AND IN-SITU MATERIAL ARE APPROVED.
- USE TYPE 5A GEOTEXTILE FOR THE REINFORCEMENT IN MRSS.
- USE COMMON BORROW THAT MEETS COSTAL AREA CRITERIA DESCRIBED IN ARTICLE 1018-2(B) OF THE STANDARD SPECIFICATIONS.
- REINFORCEMENT SHOULD BE PLACED WITH MACHINE OR ROLL DIRECTION PERPENDICULAR TO THE SLOPE FACE.
- A MINIMUM OVERLAP OF 6' IS RECOMMENDED ALONG THE EDGES PERPENDICULAR TO THE SLOPE.
- TURN UP REINFORCEMENT AT THE FACE OF THE SLOPE AND RETURN REINFORCEMENT A MINIMUM OF 3' INTO THE EMBANKMENT AS SHOWN IN THE LAYER STAGING DETAIL.
- USE LIGHTWEIGHT COMPACTION EQUIPMENT WITHIN 3' OF THE SLOPE FACE TO HELP MAINTAIN SLOPE ALIGNMENT, AS SHOWN IN LAYER STAGING DETAIL.

SUMMARY OF QUANTITIES FOR MODIFIED REINFORCED SOIL SLOPES

LINE	STATION RANGE	OFFSET	QUANTITIES (SY)
-LDET-	11+25 ± - 15+85 ±	RT	1030
-LDET-	18+85 ± - 26+25 ±	RT	1490
			TOTAL = 2520

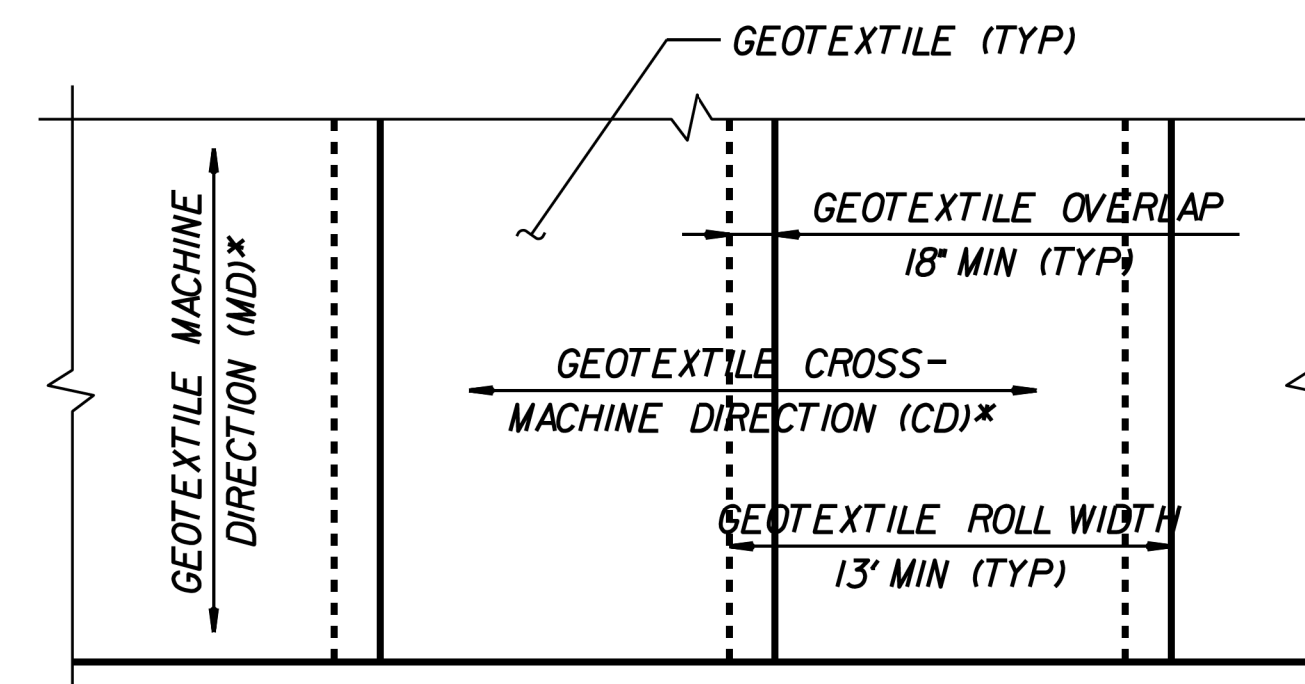


A. LAYER 1 PLUS REINFORCING FOR LAYER 2



B. LAYER 2 WITH WRAPPED FACE

LAYER STAGING



GEOTEXTILE PLACEMENT
(100% COVERAGE MIN FOR GEOTEXTILE REINFORCEMENT)

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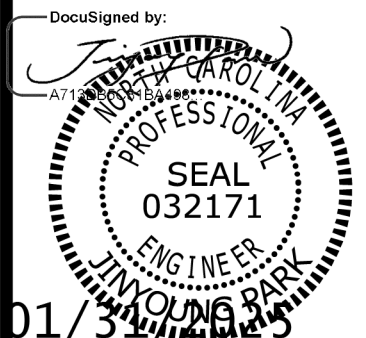
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NORTH CAROLINA
DEPARTMENT
OF TRANSPORTATION



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DOCUMENT NOT CONSIDERED FINAL
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SPECIAL DETAIL

GEOTECHNICAL SPECIAL DETAIL FOR

MODIFIED REINFORCED SOIL SLOPE DETAILS

DATE: 01-31-2025