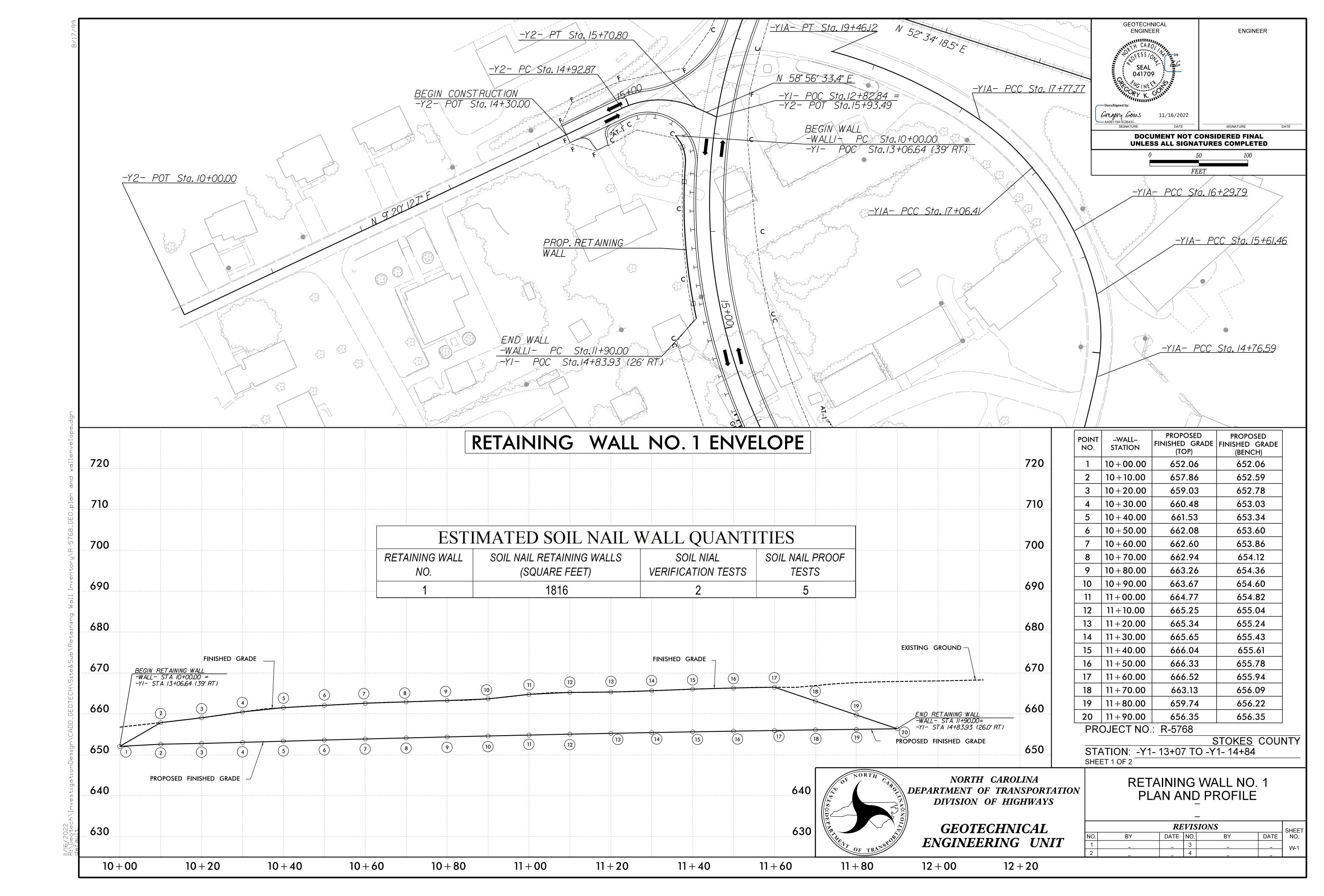
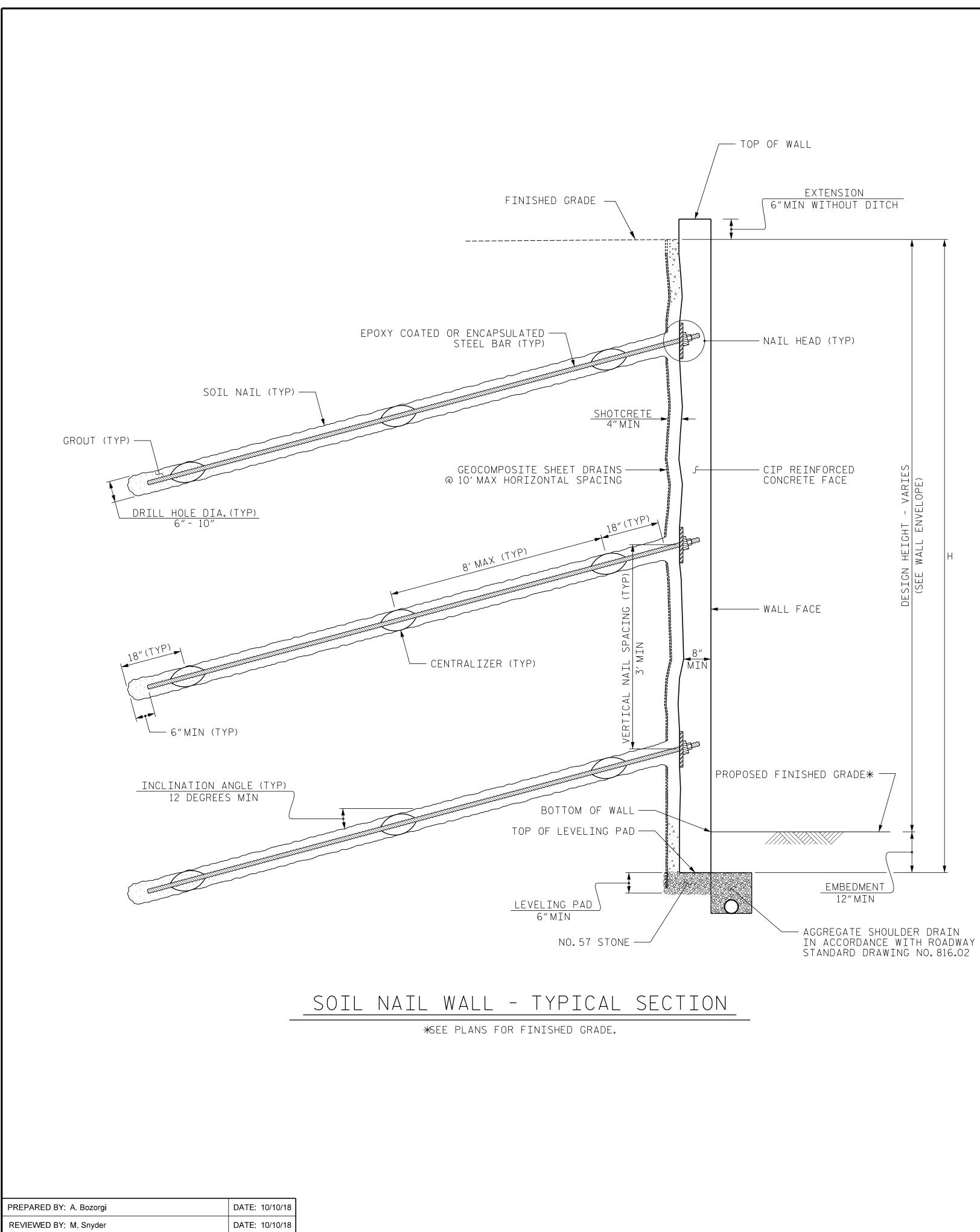
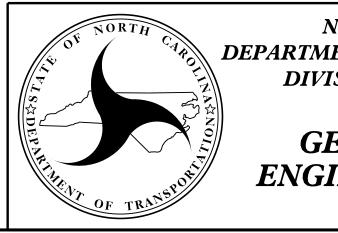
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Ā FENCE OR HANDRAIL IS REQUIRED ON TOP OF RETAINING WALL NO.<u>1</u>. SEE ROADWAY PLANS FOR EENCE OR HANDRAIL ATTACHMENT DETAILS. BEFORE BEGINNING SOIL NAIL WALL DESIGN FOR RETAINING WALL NO.1, SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE)FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED. DESIGN RETAINING WALL NO.1 FOR THE FOLLOWING: 1) H = DESIGN HEIGHT + EMBEDMENT 2) DESIGN LIFE = <u>75</u> YEARS 3) MINIMUM EMBEDMENT = <u>1</u> FT 4) IN-SITU ASSUMED MATERIAL PARAMETERS: UNIT WEIGHT,  $\gamma = \underline{115}$  PCF FRICTION ANGLE,  $\phi = \underline{30}$  DEGREES COHESION,  $c = \underline{0}$  PSF PERFORM GRADING BEHIND THE TOP OF WALL BEFORE BEGINNING WALL CONSTRUCTION. ĒOUNDATIONS FOR SIGNS,LIGHTING OR SIGNALS MAY BE LOCATED BEHIND RETAINING WALL AND <u>May</u> Interfere with soil nails. Submit proposed construction methods Eor These foundations with the soil nail wall construction plan. EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL, FENCE OR HANDRAIL POSTS, PAVEMENTS, PIPES, INLETS OR UTILITIES <u>MAY</u> INTERFERE WITH SOIL NAILS FOR RETAINING WALL.  $\overline{A}N$  ASHLAR STONE ARCHITECTURAL FINISH IS REQUIRED FOR THE CAST-IN-PLACE REINFORCED CONCRETE FACING FOR RETAINING WALL NO.1. THE CONTRACTOR SHALL SUBMIT A SAMPLE OF THE ASHLAR FINISH TO THE ENGINEER FOR APPROVAL.THE FORM LINERS SHALL CREATE NO  $\underline{V}$ ISIBLE VERTICAL OR HORIZONTAL SEAMS OR CONSPICIOUS FORM LINER BUTT MARKS.



NOTES:

GEOTECHN ENGINEE TH CARO OFESS/OF SEAL 041709 Chapter K. DocuSigned by: Grappy Goius	R N DS	ENGINEEF	٦
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FOR SOIL NAIL RETAINING WALLS, SEE SOIL NAIL RETAINING WALLS PROVISION.

PROJECT NO.: R-5768

	STOKES COUNT STATION: -Y1- 13+07 TO -Y1- 14+84						
	SHEET 2 OF 2						
NORTH CAROLINA ENT OF TRANSPORTATION ISION OF HIGHWAYS	R	RETAININ PLAN A		ALL NO. ROFILE	1		
EOTECHNICAL	REVISIONS						
INEERING UNIT	NO. BY	DATE	NO.	BY	DATE	NO.	
	<u>1</u> 2		3			W-2	