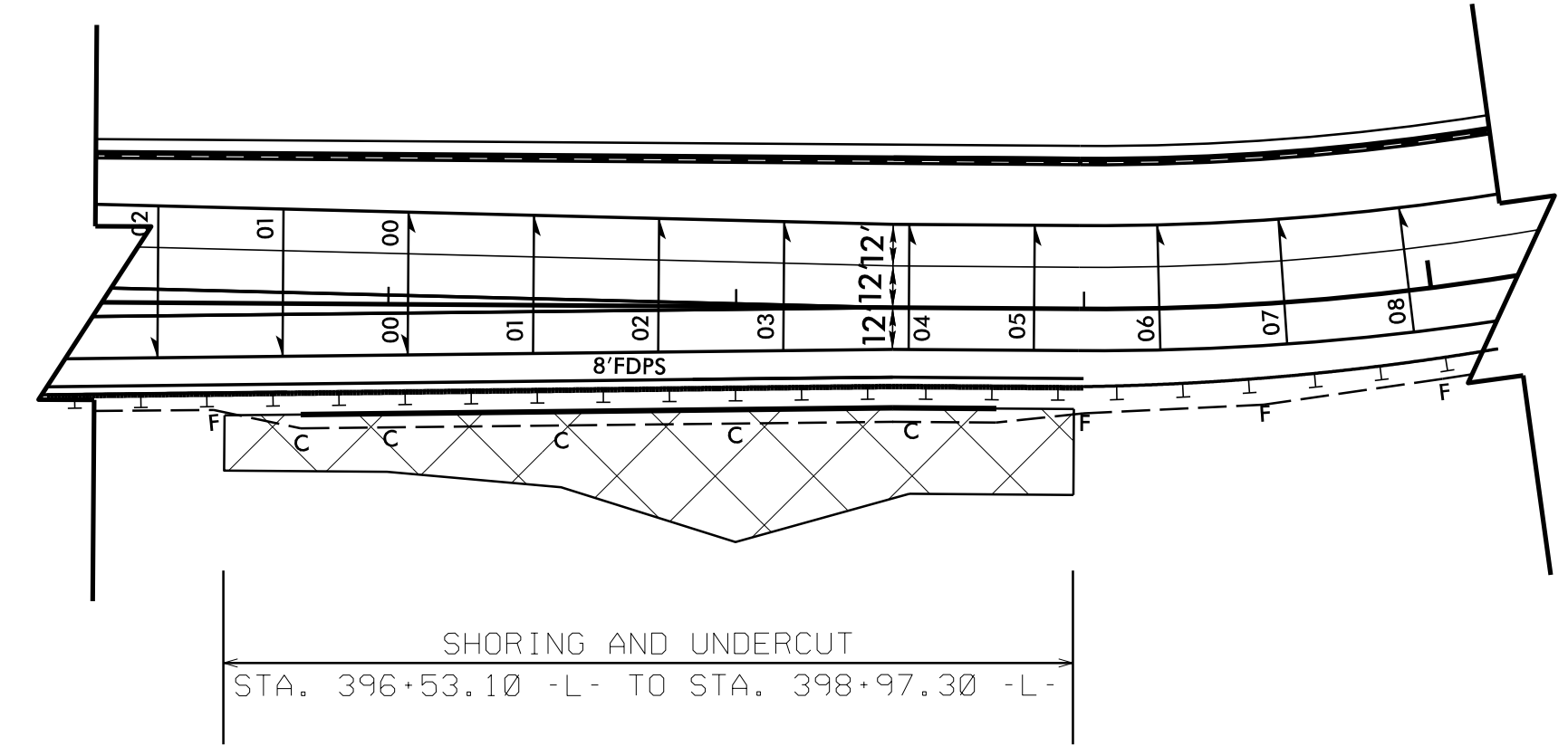
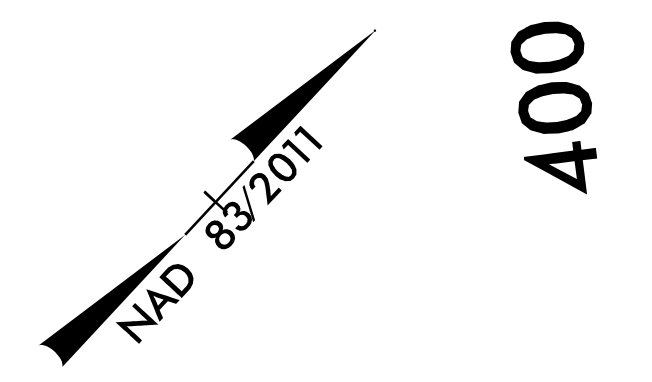


THE WALL ENVELOPE DOES NOT ACCURATELY DEPICT THE ACTUAL WALL FACE OF WALL #29A AT THE FOLLOWING LOCATION:
 -L- STA. 396+75.00 TO 398+75.00,RT

APPROXIMATE ENVELOPE - SHORING FOR UNDERCUT

NOT TO SCALE
 (LOOKING AT WALL FACE)



SHORING AND UNDERCUT LIMITS SKETCH

SCALE: 50' = 1"

ESTIMATED SOIL NAIL SHORING QUANTITIES

RETAINING WALL #	SOIL NAIL SHORING (SQUARE FEET)	SOIL NAIL VERIFICATION TESTS	SOIL NAIL PROOF TESTS
29A	3,930	3	10

ESTIMATED QUANTITIES

UNDERCUT EXCAVATION	3,850 CY
GEOTEXTILE FOR SOIL STABILIZATION	800 SY
SELECT GRANULAR MATERIAL	800 CY
SHOULDER DRAIN	500 LF
CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	3 EA

GEOTECHNICAL ENGINEER

ROBERT E. KRAL

ENGINEER

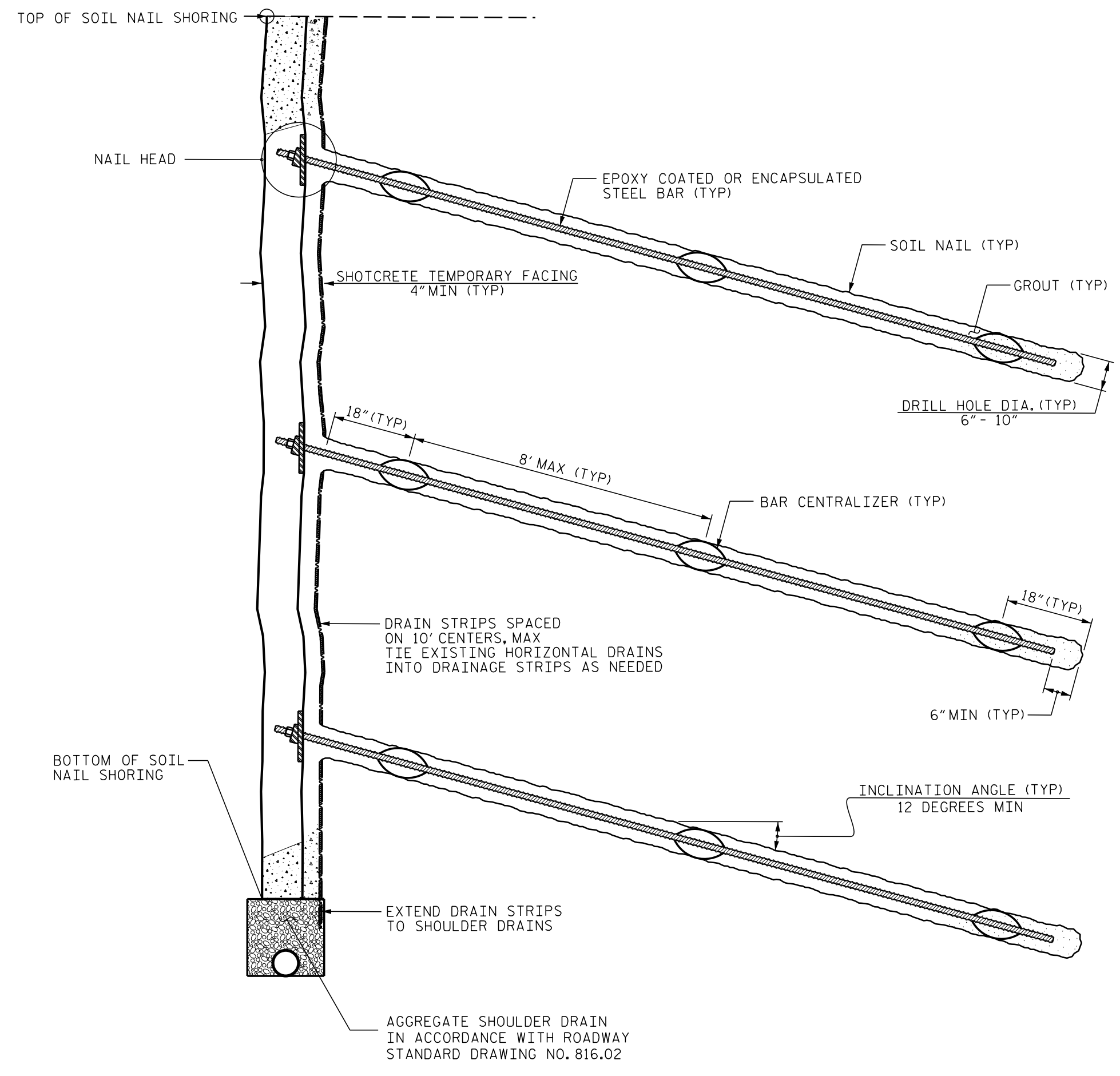
DocuSigned by:

 SA07082AB84F#
 SIGNATURE

7/15/2022
 DATE

DATE
 SIGNATURE

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



SOIL NAIL SHORING - TYPICAL SECTION
 NOT TO SCALE

PROJECT NO.: A-0009CB
 GRAHAM COUNTY
 STATION: -L-396+75, 32' RT TO 398+75, 29' RT
 SHEET 5 OF 6

PREPARED BY: DMB	DATE: 7/14/2022
REVIEWED BY: REK	DATE: 7/14/2022

Prepared in the Office of:

**CAROLINAS
 GEOTECHNICAL
 GROUP**
 2400 CROWNPOINT EXECUTIVE DRIVE
 SUITE 800
 CHARLOTTE, NC 28227
 (980) 339-8684

REVISIONS						SHEET NO. W29A-5
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			