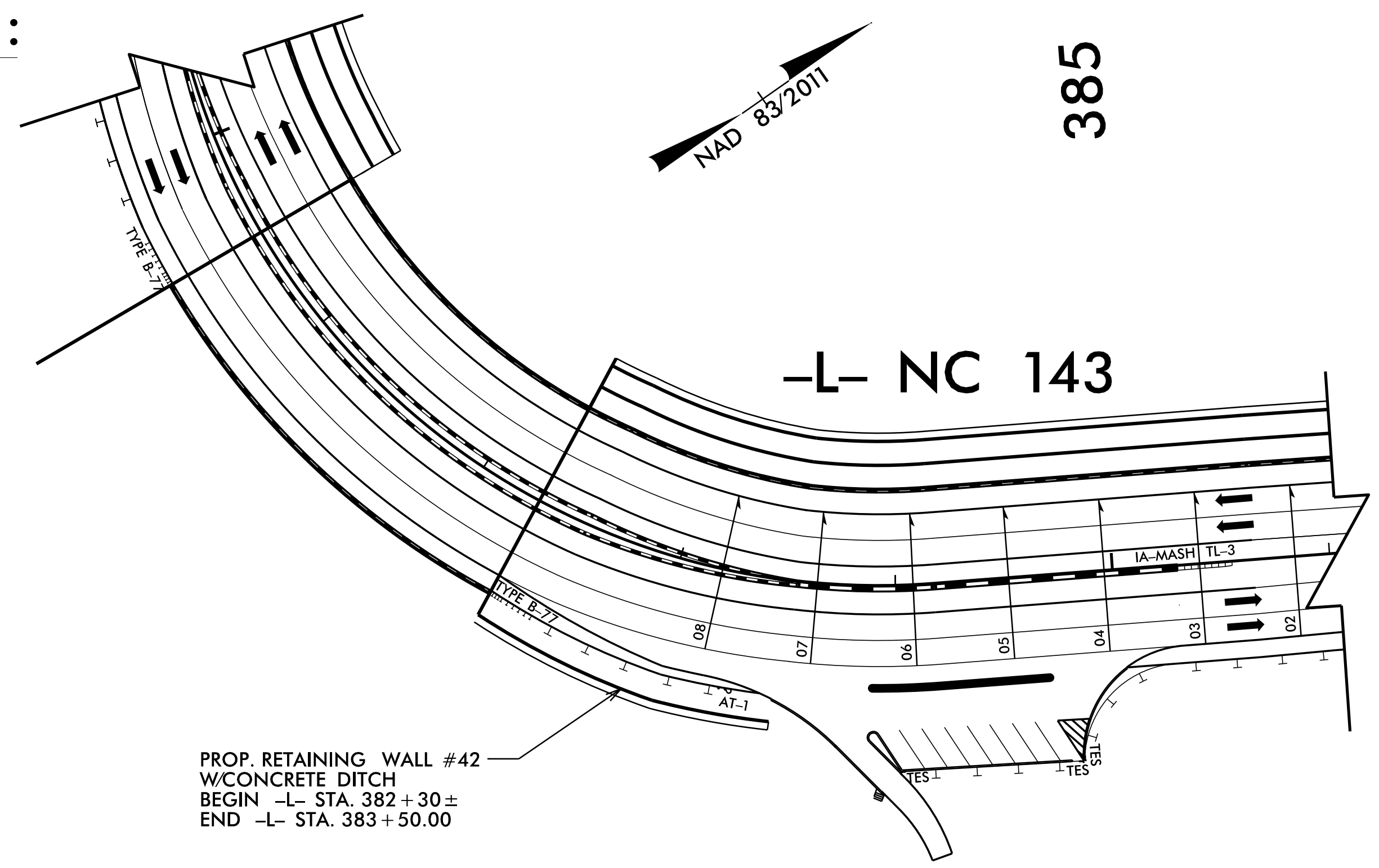


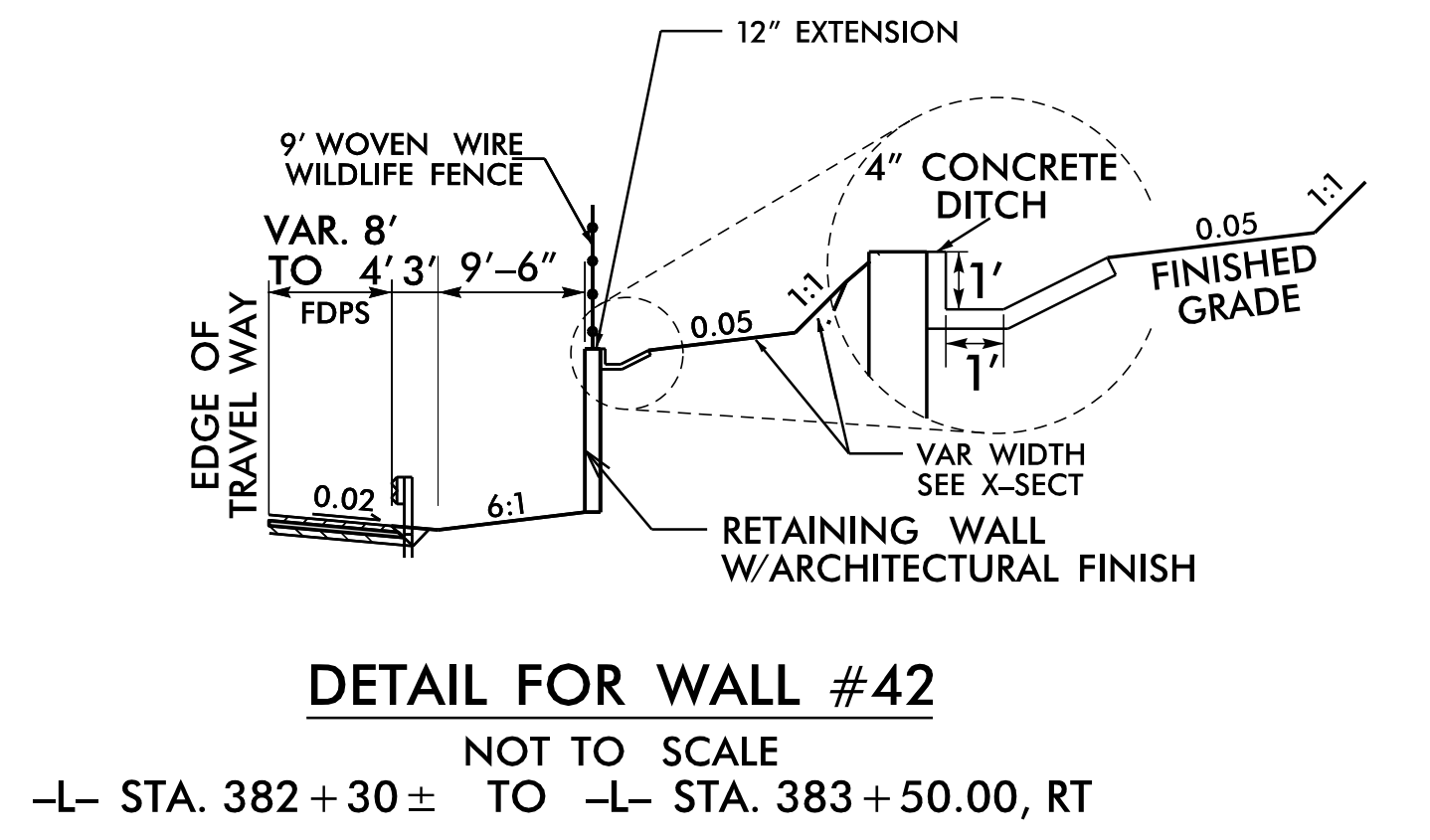
RETAINING WALL #42:



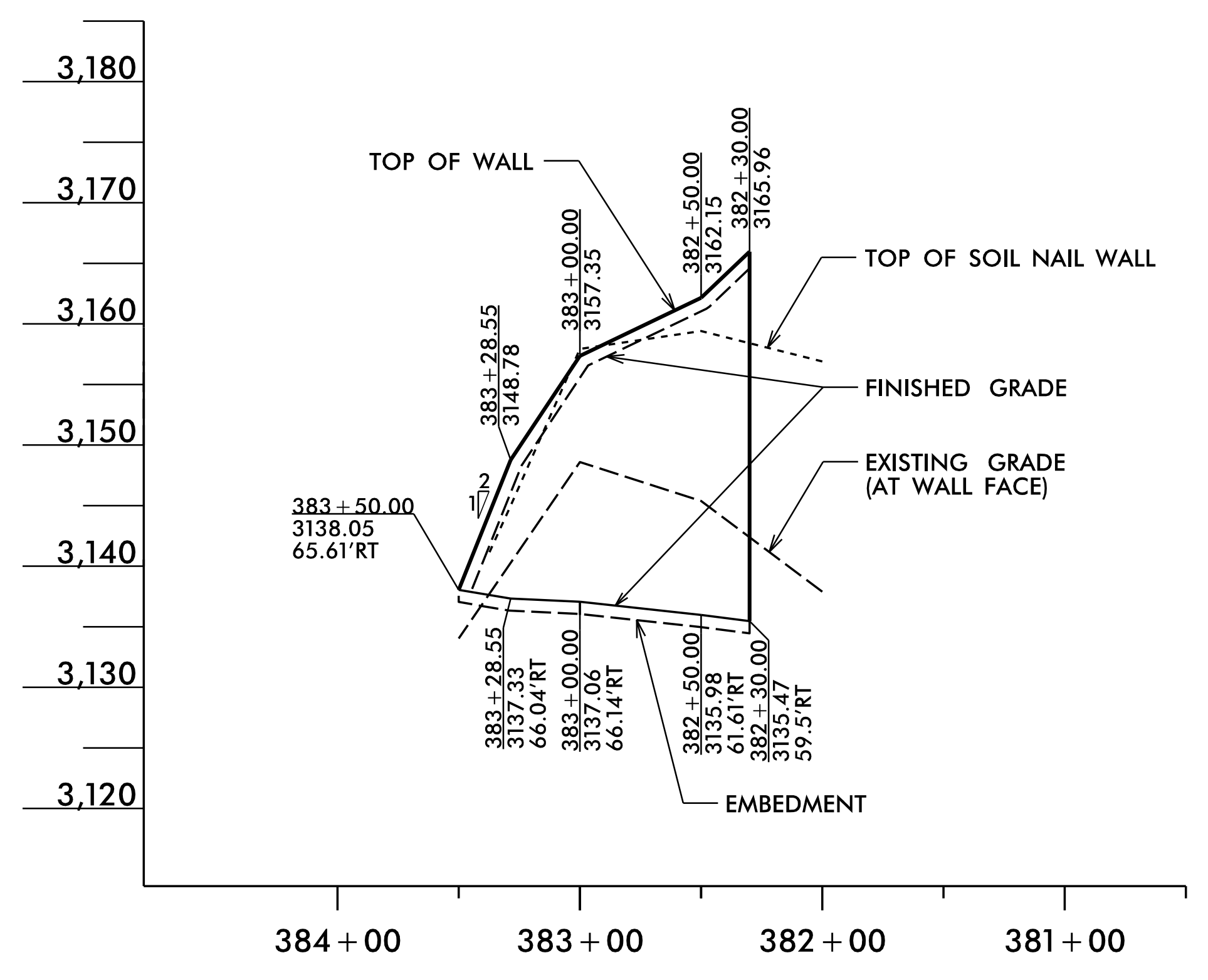
PROP. RETAINING WALL #42
W/CONCRETE DITCH
BEGIN -L- STA. 382 + 30 ±
END -L- STA. 383 + 50.00

RETAINING WALL #42 - PLAN
NOT TO SCALE

GEOTECHNICAL ENGINEER SEAL 042642 ROBERT E. KRAL	ENGINEER
DocuSigned by: 7/14/2022	SIGNATURE DATE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



DETAIL FOR WALL #42
NOT TO SCALE
-L- STA. 382 + 30 ± TO -L- STA. 383 + 50.00, RT



RETAINING WALL #42 - ENVELOPE
NOT TO SCALE
(LOOKING AT FACE OF WALL)

RETAINING WALL NO.	SOIL NAIL RETAINING WALLS (SQUARE FEET)	SOIL NAIL VERIFICATION TESTS	SOIL NAIL PROOF TESTS
42	2,430*	2	5
SIMULATED STONE FORM LINER SYSTEM AND SURFACE FINISH			2,310 SF
HORIZONTAL DRAINS (CONTINGENCY)			60 LF

* INCLUDES RETAINING WALL EMBEDMENT

STA. -L-	OFFSET FROM -L- (RT) FT.	ELEV. @ TOP OF WALL FT.	* PROPOSED FINISHED GRADE FT.	* EXPOSED WALL HEIGHT FT.	** DESIGN WALL HEIGHT "H" FT.
382+30.00	59.50	3165.96	3135.47	30.49	30.49
382+50.00	61.61	3162.15	3135.98	26.17	26.17
383+00.00	66.14	3157.35	3137.06	20.29	20.29
383+28.55	66.04	3148.78	3137.33	11.45	11.45
383+50.00	65.61	3138.05	3138.05	0.00	1.00

* ELEVATION @ PROPOSED FINISHED GRADE AND EXPOSED WALL HEIGHT DO NOT INCLUDE EMBEDMENT DEPTH

** FOR DESIGN WALL HEIGHT "H" AND ADDITIONAL CONSTRUCTION DETAILS SEE SHEET W42-2

PROJECT NO.: A-0009CB

GRAHAM COUNTY

RETAINING WALL #42: -L- 382+30, 59.5' RT TO 383+50, 65.6' RT

SHEET 1 OF 3

PREPARED BY: R. KRAL
DATE: 7/14/2022
REVIEWED BY: M. BREWER
DATE: 7/14/2022

RETAINING WALL #42 ENVELOPE AND WALL LAYOUT PROVIDED BY TGS ENGINEERS, INC.

Prepared in the Office of:

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

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL #42 SOIL NAIL RETAINING WALL WITH CAST-IN-PLACE CONCRETE FACE

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

SHEET NO. W42-1