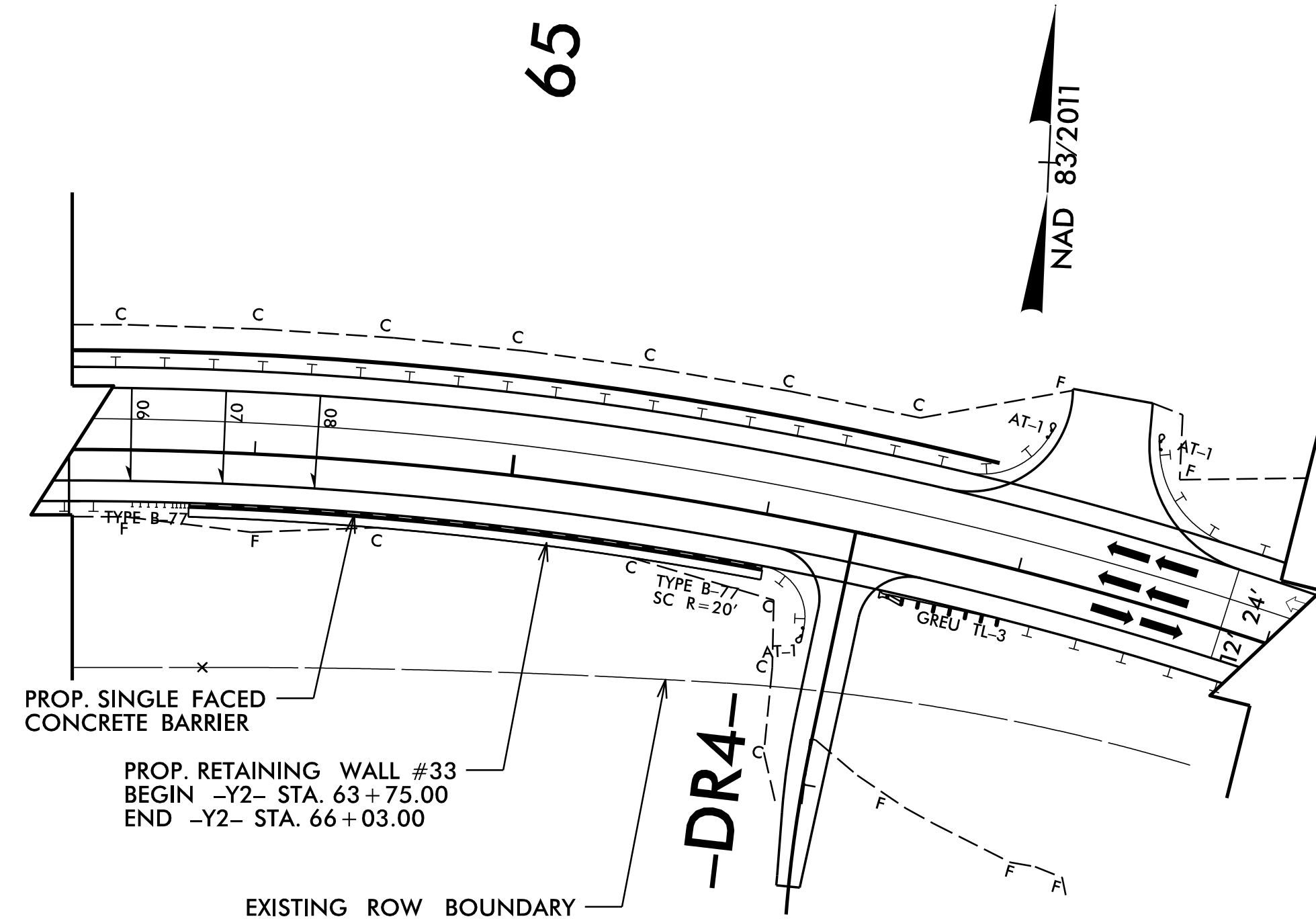


RETAINING WALL #33:



RETAINING WALL #33 - PLAN

NOT TO SCALE

GEOTECHNICAL ENGINEER

ENGINEER

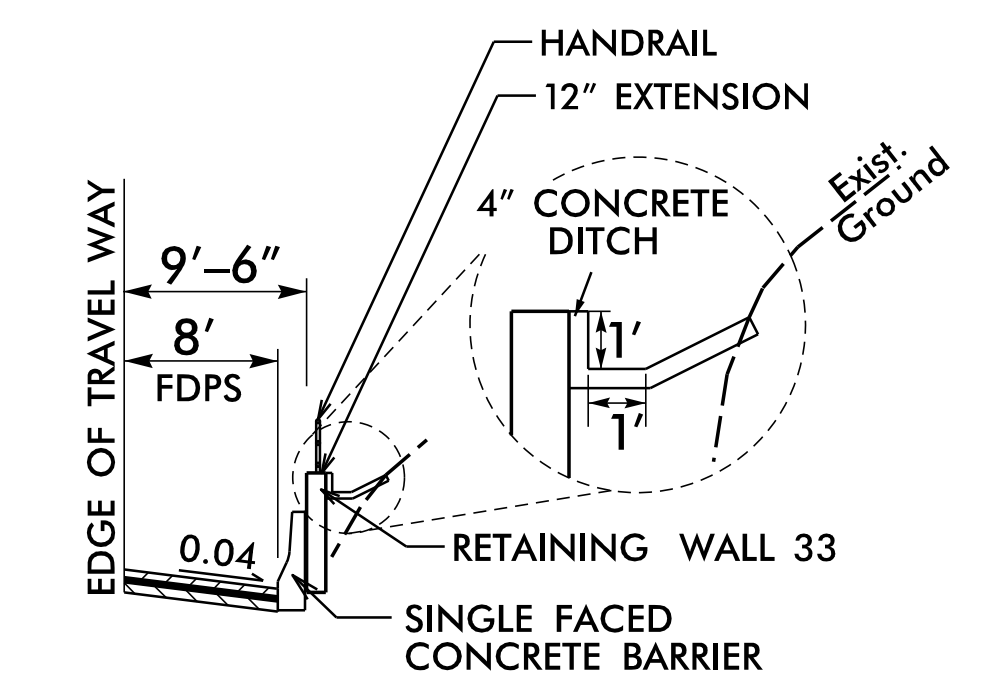
PROFESSIONAL SEAL 042642

ROBERT E. KRAL

DocuSigned by: *[Signature]* 08/01/2022

SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DETAIL FOR WALL #33

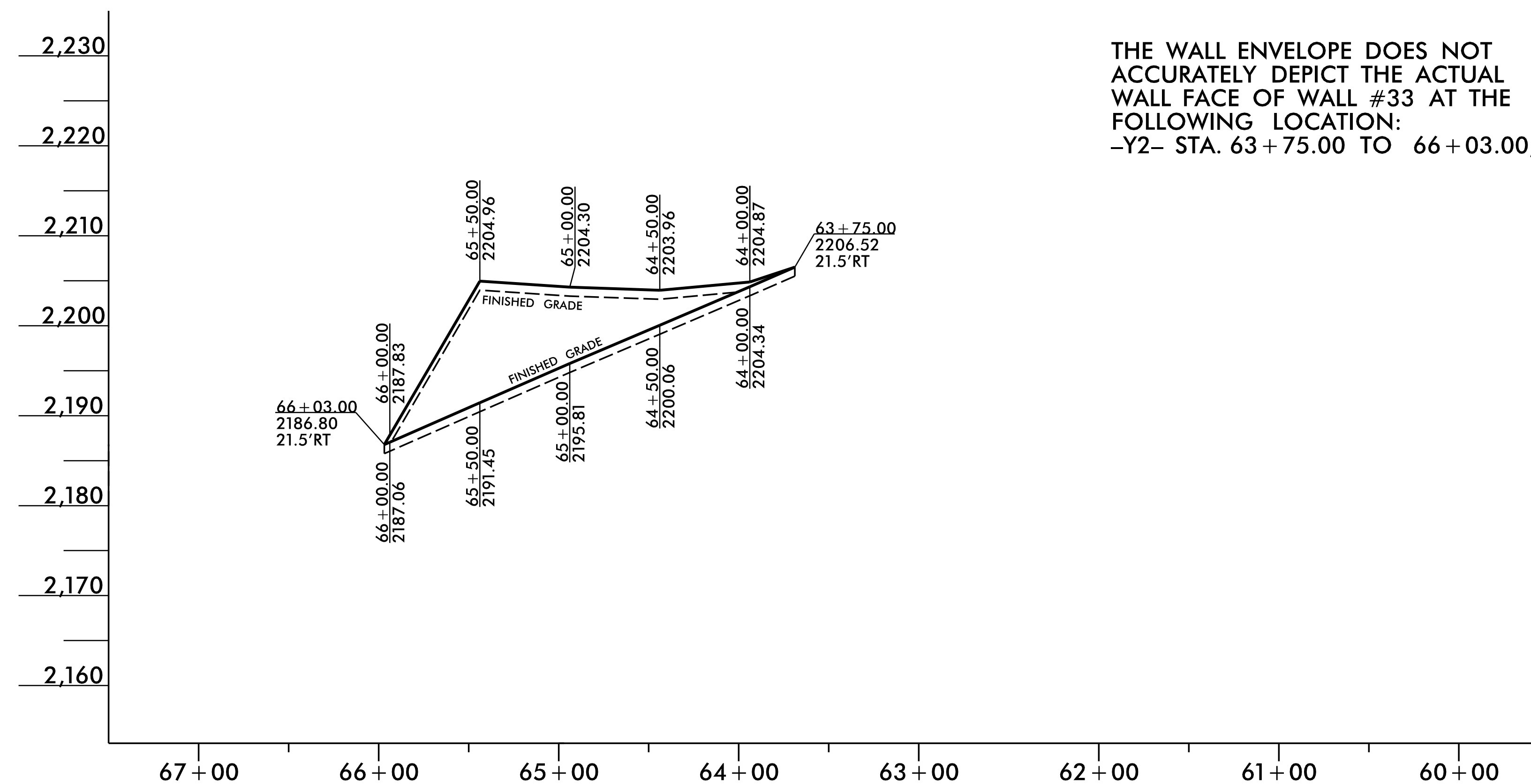
NOT TO SCALE
-Y2- STA. 63+75.00 TO -Y2- STA. 66+03.00, RT

THE WALL ENVELOPE DOES NOT ACCURATELY DEPICT THE ACTUAL WALL FACE OF WALL #33 AT THE FOLLOWING LOCATION:
-Y2- STA. 63+75.00 TO 66+03.00, RT

ESTIMATED SOIL NAIL WALL QUANTITIES

RETAINING WALL NO.	SOIL NAIL RETAINING WALLS (SQUARE FEET)	SOIL NAIL VERIFICATION TESTS	SOIL NAIL PROOF TESTS
33	1,570 *	1	5
HORIZONTAL DRAINS (CONTINGENCY)			115 LF

* INCLUDES RETAINING WALL EMBEDMENT



RETAINING WALL #33 - ENVELOPE

NOT TO SCALE
(LOOKING AT FACE OF WALL)

SOIL NAIL RETAINING WALL #33

STA. -Y2-	OFFSET FROM -Y2- (RT) FT.	ELEV. @ TOP OF WALL	BOW FINISHED GRADE	TOP OF LEVELING PAD	ESTIMATED WALL EMBEDMENT FT.	WALL DESIGN HEIGHT "H"
63+75.00	21.50	2206.52	2206.52	2205.52	1.00	1.00
64+00.00	21.50	2204.87	2204.34	2203.34	1.00	1.00
64+50.00	21.50	2203.96	2200.06	2199.06	1.00	3.90
65+00.00	21.50	2204.30	2195.81	2194.81	1.00	8.49
65+50.00	21.50	2204.96	2191.45	2190.45	1.00	13.51
66+00.00	21.50	2187.83	2187.06	2186.06	1.00	1.00
66+03.00	21.50	2186.80	2186.80	2185.80	1.00	1.00

BOW = BOTTOM OF WALL
ALL MEASUREMENTS ARE IN FEET

PROJECT NO.: A-0009CC

GRAHAM COUNTY

RETAINING WALL #33: -Y2- 63+75, 22' RT TO 66+03, 22' RT

SHEET 1 OF 3

PREPARED BY: R. KRAL DATE: 7/9/2022
REVIEWED BY: M. BREWER DATE: 7/9/2022

RETAINING WALL #33 ENVELOPE AND WALL LAYOUT PROVIDED BY TGS ENGINEERS, INC.

Prepared in the Office of:

CGE CAROLINAS GEOTECHNICAL GROUP

2400 CROWPOINT EXECUTIVE DRIVE
SUITE 800
CHARLOTTE, NC 28227
(980) 339-8684

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL #33 SOIL NAIL RETAINING WALL

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			W33-1
2			4			