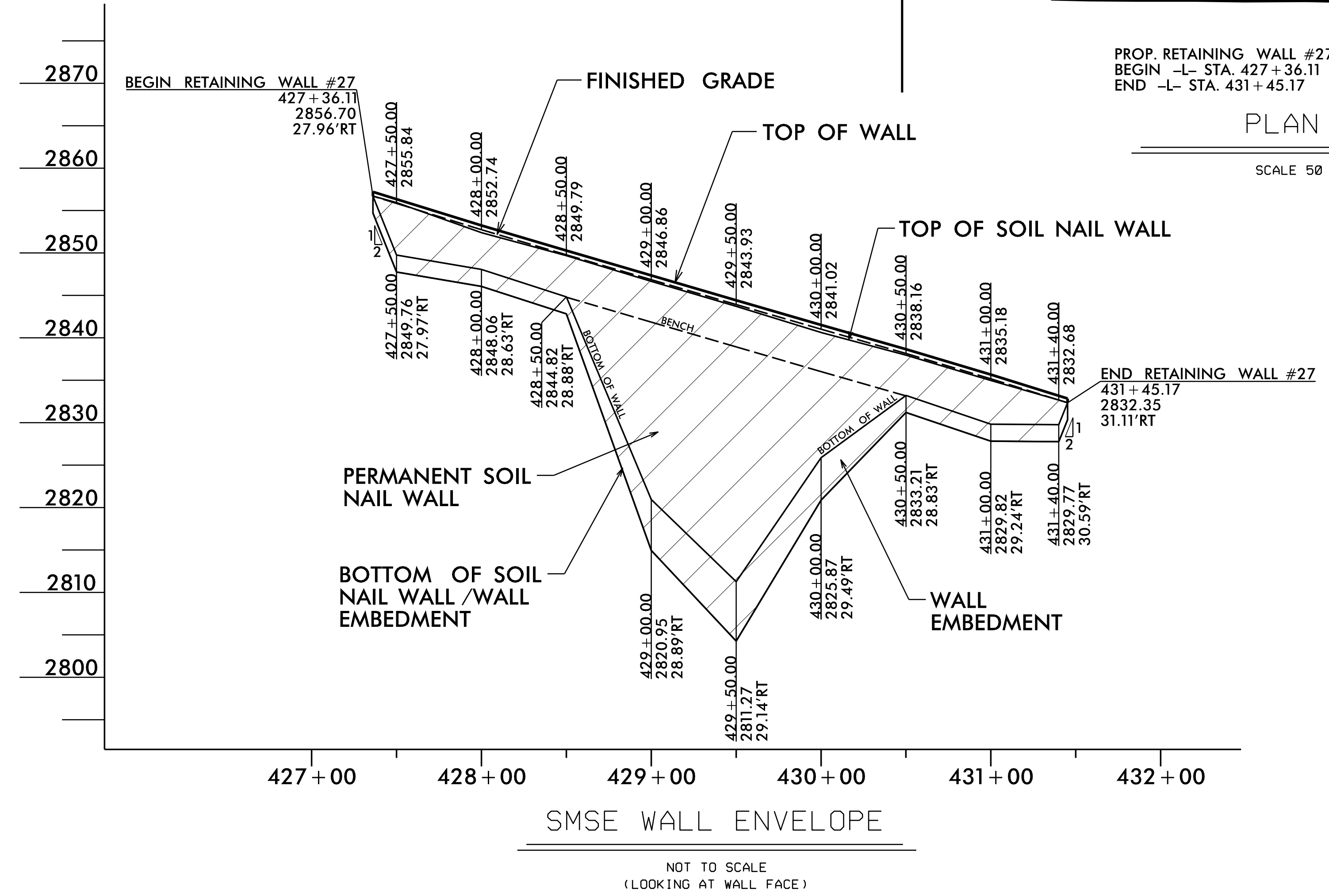
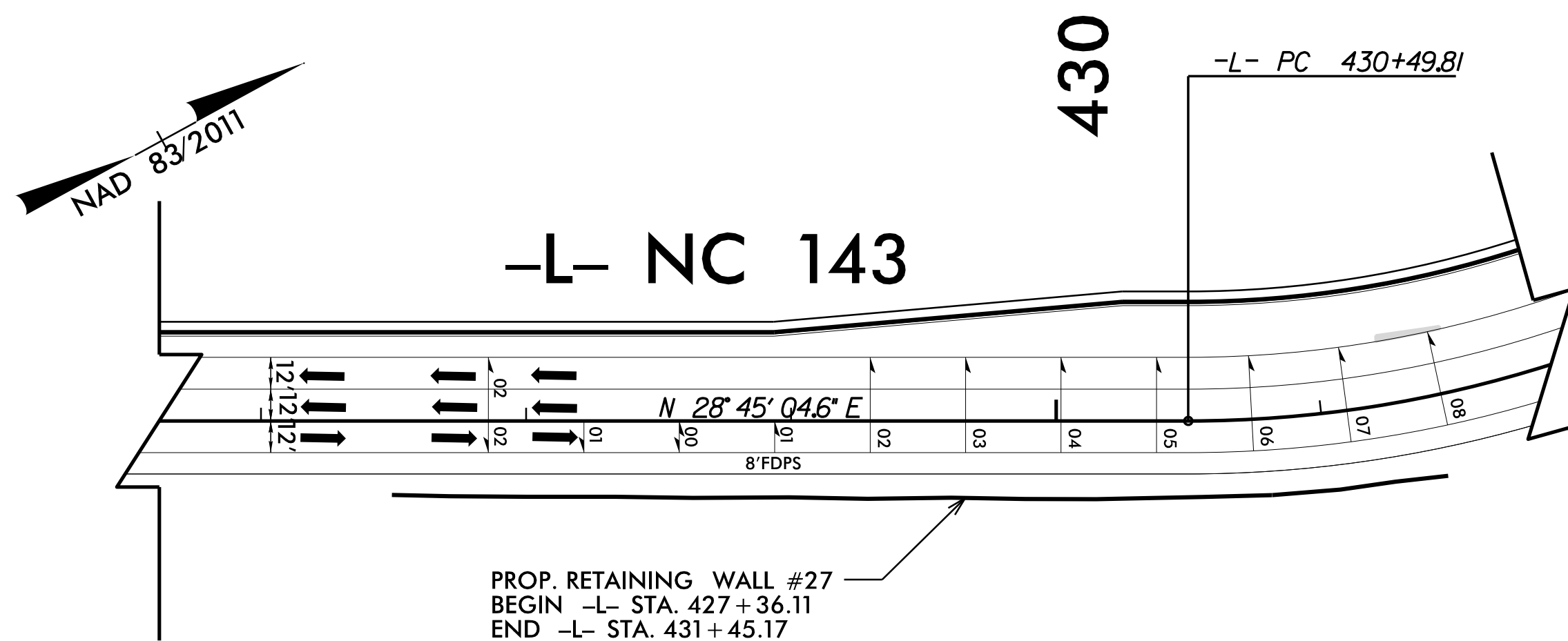
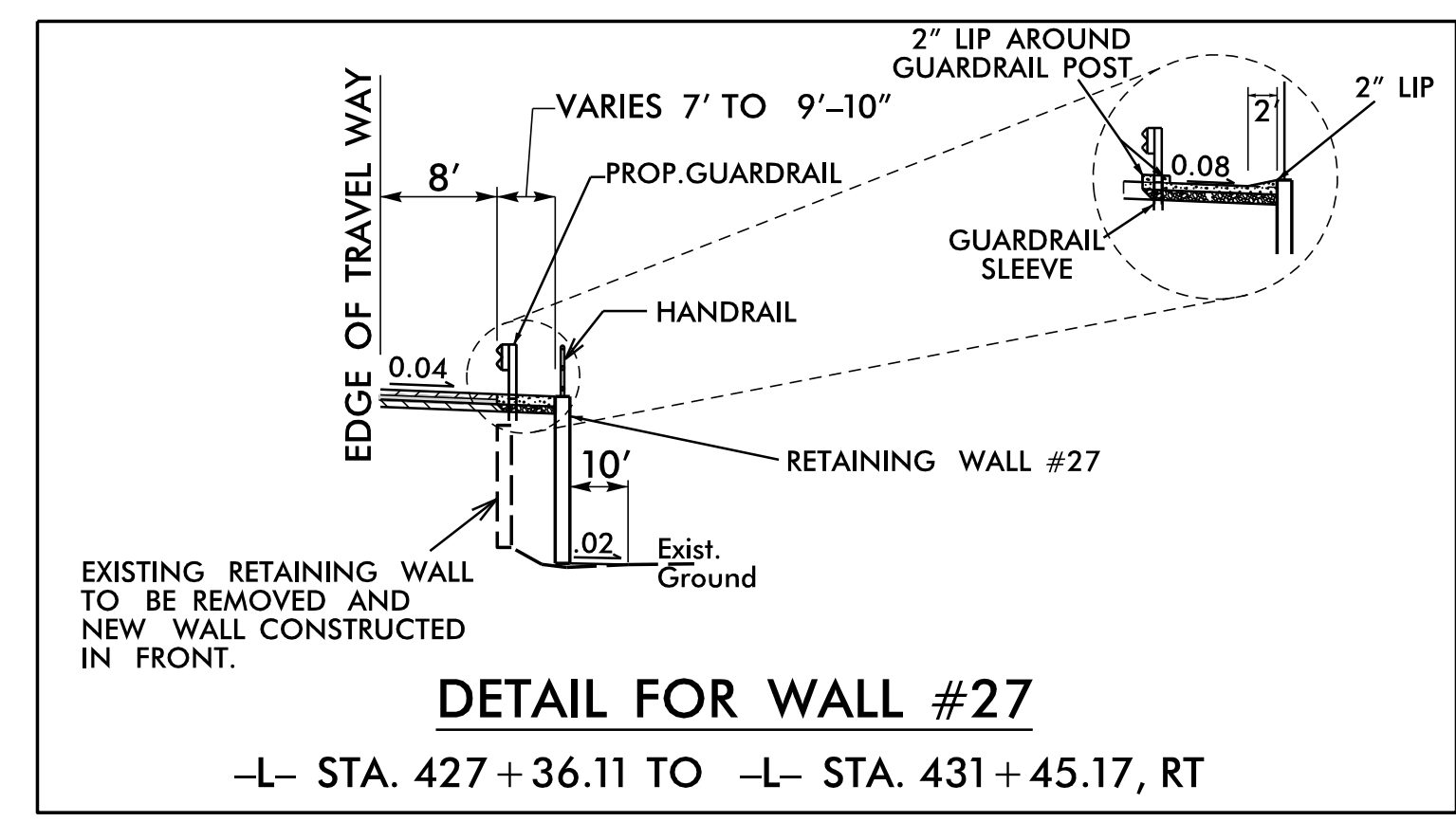


RETAINING WALL #27



PROP. RETAINING WALL #27
 BEGIN -L- STA. 427+36.11
 END -L- STA. 431+45.17

PLAN VIEW
 SCALE 50 FT = 1 IN



DETAIL FOR WALL #27

-L- STA. 427+36.11 TO -L- STA. 431+45.17, RT

TYPICAL WALL SECTION

NOT TO SCALE

ESTIMATED SMSE WALL #27 QUANTITIES	
SHORED MSE RETAINING WALL #27	6,550 SQ. FT.

ESTIMATED SOIL NAIL WALL QUANTITIES			
RETAINING WALL #	SOIL NAIL RETAINING WALLS (SQUARE FEET)	SOIL NAIL VERIFICATION TESTS	SOIL NAIL PROOF TESTS
27	6,260*	3	18

* INCLUDES RETAINING WALL EMBEDMENT

SMSE RETAINING WALL #27 INFORMATION									
STA. -L-	OFFSET FROM CL TO WALL FACE	FINISHED GRADE	BOTTOM OF WALL	MINIMUM TOP OF LEVELING PAD	ESTIMATED MINIMUM SMSE WALL EMBEDMENT	* DESIGN SMSE WALL HEIGHT "H"	TOP OF SOIL NAIL WALL	APPROX. SOIL NAIL WALL HEIGHT	WALL REINFORCEMENT (MSE STRAP) LENGTH 'L'
427+36.11	27.96	2856.70	2856.70	2854.70	2.00	2.00	2856.70	2.00	0.5XH OR 6 FT (MIN)
427+50.00	27.97	2855.84	2849.76	2847.76	2.00	8.08	2855.94	8.18	0.5XH OR 6 FT (MIN)
428+00.00	28.63	2852.74	2848.06	2846.06	2.00	6.68	2852.40	6.34	0.5XH OR 6 FT (MIN)
428+50.00	28.88	2849.79	2844.82	2842.82	2.00	6.97	2849.69	6.87	LOWER: 0.5XH OR 6 FT (MIN) UPPER: 0.7XH OR 10 FT (MIN)
429+00.00	28.89	2846.86	2820.95	2814.95	6.00	31.91	2846.66	31.71	LOWER: 0.5XH OR 6 FT (MIN) UPPER: 0.7XH OR 10 FT (MIN)
429+50.00	29.14	2843.93	2811.27	2804.27	7.00	39.66	2843.72	39.45	LOWER: 0.5XH OR 6 FT (MIN) UPPER: 0.7XH OR 10 FT (MIN)
430+00.00	29.49	2841.02	2825.87	2820.87	5.00	20.15	2840.63	19.76	LOWER: 0.5XH OR 6 FT (MIN) UPPER: 0.7XH OR 10 FT (MIN)
430+50.00	28.83	2838.16	2833.21	2831.21	2.00	6.95	2837.96	6.75	LOWER: 0.5XH OR 6 FT (MIN) UPPER: 0.7XH OR 10 FT (MIN)
431+00.00	29.24	2835.18	2829.82	2827.82	2.00	7.36	2834.98	7.16	0.5XH OR 6 FT (MIN)
431+40.00	30.59	2832.68	2829.77	2827.77	2.00	4.91	2832.68	4.91	0.5XH OR 6 FT (MIN)
431+45.17	31.11	2832.35	2832.35	2830.35	2.00	2.00	2832.53	2.00	0.5XH OR 6 FT (MIN)

* FOR DESIGN WALL HEIGHT "H" AND ADDITIONAL CONSTRUCTION DETAILS, SEE SHEETS W27-3 TO W27-5
 ALL TABLE DIMENSIONS ARE GIVEN IN FEET

GEOTECHNICAL ENGINEER
 ENGINEER

NO. 17 CAROLINA PROFESSIONAL SEAL 041986 ENGINEER M. MATTHEW BREWER

DocuSigned by: D. Matthew Brewer 08/01/2022

3861262CALC1452 SIGNATURE DATE SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO.: A-0009CC
 GRAHAM COUNTY
 STATION: -L- 427+36, 28' RT TO 431+45, 31' RT
 SHEET 1 OF 8

Prepared in the Office of:

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

REVISIONS						SHEET NO. W27-1
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

PREPARED BY: M. BREWER DATE: 7/10/2022
 REVIEWED BY: R. KRAL DATE: 7/10/2022

THE WALL ENVELOPE DOES NOT ACCURATELY DEPICT THE ACTUAL WALL FACE OF WALL #27 AT THE FOLLOWING LOCATION: -L- STA. 430 + 49.81 TO 431 + 45.17, RT