

SOIL NAIL RETAINING WALL #19A & #19B - TIER 1 (CONTINUED)

STA. -L-	OFFSET FROM -L- (LT)	ELEV. @ TOP OF WALL	BOW PROPOSED FINISHED GRADE ELEV.	TOP OF LEVELING PAD ELEV.	ESTIMATED WALL EMBEDMENT	WALL DESIGN HEIGHT "H ₁ "
385+50.00	55.50	3150.86	3127.31	3126.31	1.00	24.55
386+00.00	55.23	3150.37	3126.82	3125.82	1.00	24.55
386+50.00	54.84	3149.64	3126.09	3125.09	1.00	24.55
387+00.00	54.45	3148.66	3125.11	3124.11	1.00	24.55
387+50.00	54.06	3147.44	3123.89	3122.89	1.00	24.55
388+00.00	53.67	3146.07	3122.52	3121.52	1.00	24.55
388+50.00	53.28	3144.47	3120.92	3119.92	1.00	24.55
388+69.50	53.28	3143.49	3120.13	3119.13	1.00	24.36
389+00.00	52.89	3148.78	3119.07	3118.07	1.00	29.71
389+50.00	52.50	3145.88	3116.98	3115.98	1.00	28.90
390+00.00	52.50	3141.38	3114.68	3113.68	1.00	26.70
390+50.00	52.50	3138.08	3111.90	3110.90	1.00	26.18
391+00.00	52.50	3126.66	3108.67	3107.67	1.00	17.99
391+50.00	52.50	3114.01	3105.20	3104.20	1.00	8.81
391+90.00	52.50	3111.27	3102.23	3101.23	1.00	9.04
392+00.00	52.50	3111.46	3101.61	3100.61	1.00	9.85
392+50.00	52.50	3132.65	3098.02	3097.02	1.00	34.63
392+78.48	52.50	3135.27	3096.08	3095.08	1.00	39.19
393+00.00	52.50	3133.97	3094.48	3093.48	1.00	39.49
393+22.57	52.50	3130.56	3092.60	3091.60	1.00	37.96
393+22.57	52.50	3130.56	3094.94	3093.94	1.00	35.62
393+50.00	59.91	3130.42	3092.90	3091.90	1.00	37.52
394+00.00	74.57	3123.61	3089.16	3088.16	1.00	34.45
394+50.00	87.49	3107.94	3085.08	3084.08	1.00	22.86
394+57.00	66.22	3107.20	3081.16	3080.16	1.00	26.04
395+00.00	43.00	3115.49	3078.55	3077.55	1.00	36.94
395+50.00	43.00	3101.15	3077.09	3076.09	1.00	24.06
396+00.00	43.00	3098.34	3072.88	3071.88	1.00	25.46
396+50.00	43.00	3095.29	3068.72	3067.72	1.00	26.57
397+00.00	43.00	3088.54	3064.71	3063.71	1.00	23.83
397+50.00	43.00	3082.08	3060.73	3059.73	1.00	21.35
398+00.00	43.00	3074.87	3056.77	3055.77	1.00	18.10
398+50.00	43.00	3070.47	3052.84	3051.84	1.00	17.63
399+00.00	43.00	3067.20	3049.01	3048.01	1.00	18.19
399+50.00	43.00	3071.49	3044.44	3043.44	1.00	27.05
400+00.00	43.00	3072.28	3040.23	3039.23	1.00	32.05
400+50.00	43.00	3059.43	3036.47	3035.47	1.00	22.96
401+00.00	43.00	3046.12	3032.67	3031.67	1.00	13.45
401+50.00	43.00	3053.75	3028.97	3027.97	1.00	24.78
402+00.00	43.00	3056.41	3025.39	3024.39	1.00	31.02
402+50.00	43.00	3049.70	3021.93	3020.93	1.00	27.77
403+00.00	43.00	3044.09	3018.56	3017.56	1.00	25.53
403+50.00	43.00	3038.02	3015.76	3014.76	1.00	22.26
404+00.00	42.96	3031.63	3013.76	3012.76	1.00	17.87
404+50.00	41.00	3023.17	3010.61	3009.61	1.00	12.56
405+00.00	38.24	3022.84	3007.85	3006.85	1.00	14.99
405+50.00	35.48	3011.81	3005.09	3004.09	1.00	6.72
406+00.00	33.50	3005.36	3002.44	3001.44	1.00	2.92
406+50.00	33.50	3013.35	2999.67	2998.67	1.00	13.68
407+00.00	33.50	3009.00	2996.64	2995.64	1.00	12.36
407+50.00	33.50	3003.74	2993.09	2992.09	1.00	10.65
408+00.00	33.50	2991.39	2989.56	2988.56	1.00	1.83
408+04.26	33.50	2989.26	2989.26	0.00	1.00	33.50

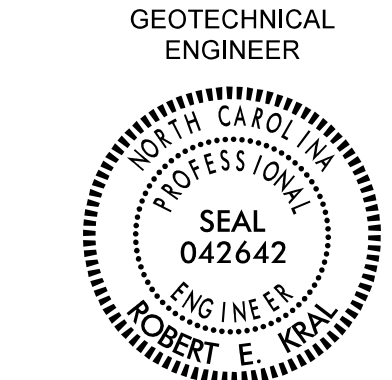

ALL MEASUREMENTS IN FEET

PREPARED BY: R. KRAL	DATE: 7/13/2022
REVIEWED BY: M. BREWER	DATE: 7/13/2022

SOIL NAIL RETAINING WALL #19A & #19B - TIER 2

STA. -L-	OFFSET FROM -L- (LT)	ELEV. @ TOP OF WALL	BOW PROPOSED FINISHED GRADE ELEV.	TOP OF LEVELING PAD ELEV.	ESTIMATED WALL EMBEDMENT	WALL DESIGN HEIGHT "H ₂ "
377+96.59	67.00	3135.38	3129.38	3128.38	1.00	6.00
378+00.00	67.00	3137.09	3131.09	3130.09	1.00	6.00
378+20.00	67.00	3147.09	3135.67	3134.67	1.00	11.42
378+50.00	67.00	3156.35	3137.25	3136.25	1.00	19.10
379+00.00	67.00	3164.30	3139.69	3138.69	1.00	24.61
379+50.00	68.23	3170.52	3141.79	3140.79	1.00	28.73
380+00.00	69.76	3174.38	3143.64	3142.64	1.00	30.74
380+50.00	70.50	3177.74	3145.31	3144.31	1.00	32.43
382+30.00	70.50	3180.46	3149.58	3148.58	1.00	30.88
382+50.00	70.50	3180.36	3149.87	3148.87	1.00	30.49
383+00.00	68.73	3178.69	3150.56	3149.56	1.00	28.13
383+50.00	66.72	3177.51	3151.33	3150.33	1.00	26.18
384+00.00	66.50	3177.26	3151.91	3150.91	1.00	25.35
384+50.00	66.50	3175.07	3152.24	3151.24	1.00	22.83
385+00.00	66.50	3170.34	3152.32	3151.32	1.00	18.02
385+50.00	66.50	3168.91	3152.06	3151.06	1.00	16.85
386+00.00	66.23	3169.58	3151.57	3150.57	1.00	18.01
386+50.00	65.84	3169.83	3150.84	3149.84	1.00	18.99
387+00.00	65.45	3171.18	3149.86	3148.86	1.00	21.32
387+50.00	65.06	3167.21	3148.64	3147.64	1.00	18.57
388+00.00	64.67	3161.20	3147.26	3146.26	1.00	13.94
388+50.00	64.68	3156.13	3145.67	3144.67	1.00	10.46
388+60.00	64.20	3155.43	3145.33	3144.33	1.00	10.10
388+69.50	64.13	3150.69	3144.69	3143.69	1.00	6.00

ALL MEASUREMENTS IN FEET


 <p>GEOTECHNICAL ENGINEER</p>	ENGINEER
DocuSigned by:  7/14/2022	SIGNATURE DATE SIGNATURE DATE
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PROJECT NO.: A-0009CB
 GRAHAM COUNTY
 RETAINING WALL #19A: -L- 376+65, 45'-56' LT TO 380+50, 48.5'-70.5' LT
 RETAINING WALL #19B: -L- 382+30, 48.5'-70.5' LT TO 408+04, 33.5' LT
 SHEET 7 OF 11

Prepared in the Office of:



**CARLINAS
GEOTECHNICAL
GROUP**
 2400 CROWNPPOINT EXECUTIVE DRIVE
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NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**GEOTECHNICAL
ENGINEERING UNIT**

REVISIONS						SHEET NO. W19-7
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			