

PLANTER BOX - TIER 1				
STA. -L-	OFFSET FROM -L- (LT)	ELEV. @ TOP OF PLANTER BOX	ELEV. @ BOTTOM OF PLANTER BOX	WALL DESIGN HEIGHT "H _{P1} "
376+65.00	45.00	3103.60	3100.35	3.25
376+73.59	45.00	3107.89	3100.89	7.00
377+00.00	45.00	3109.56	3102.56	7.00
377+50.00	45.00	3112.71	3105.71	7.00
378+00.00	45.00	3115.62	3108.62	7.00
378+50.00	45.00	3118.30	3111.30	7.00
379+00.00	45.00	3120.74	3113.74	7.00
379+50.00	46.23	3122.84	3115.84	7.00
380+00.00	47.46	3124.69	3117.69	7.00
380+50.00	48.50	3126.36	3119.36	7.00
382+30.00	48.50	3130.64	3123.64	7.00
382+50.00	48.50	3130.92	3123.92	7.00
382+50.56	48.50	3130.93	3123.93	7.00
383+00.00	46.73	3131.61	3124.61	7.00
383+50.00	44.72	3132.38	3125.38	7.00
384+00.00	44.50	3132.96	3125.96	7.00
384+50.00	44.50	3133.29	3126.29	7.00
385+00.00	44.50	3133.37	3126.37	7.00
385+50.00	44.50	3133.11	3126.11	7.00
386+00.00	44.23	3132.62	3125.62	7.00
386+50.00	43.84	3131.89	3124.89	7.00
387+00.00	43.84	3130.91	3123.91	7.00
387+50.00	43.84	3129.69	3122.69	7.00
388+00.00	42.67	3128.32	3121.32	7.00
388+50.00	42.28	3126.72	3119.72	7.00
389+00.00	41.89	3124.87	3117.87	7.00
389+50.00	41.50	3122.78	3115.78	7.00
390+00.00	41.50	3120.48	3113.48	7.00
390+50.00	41.50	3117.70	3110.70	7.00
391+00.00	41.50	3114.47	3107.47	7.00
391+50.00	41.50	3111.00	3104.00	7.00
391+90.00	41.50	3108.13	3101.13	7.00
392+00.00	41.50	3107.41	3100.41	7.00
392+50.00	41.50	3103.82	3096.82	7.00
393+00.00	46.69	3100.28	3093.28	7.00
393+22.57	52.50	3098.60	3091.60	7.00

ALL MEASUREMENTS IN FEET

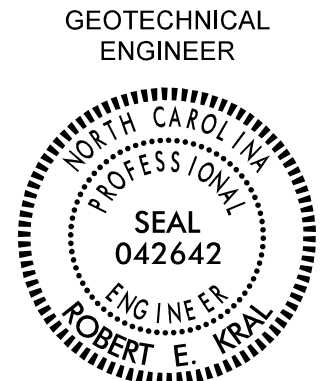
PLANTER BOX - TIER 2				
STA. -L-	OFFSET FROM -L- (LT)	ELEV. @ TOP OF PLANTER BOX	ELEV. @ BOTTOM OF PLANTER BOX	WALL DESIGN HEIGHT "H _{P2} "
377+78.29	56.00	3132.21	3132.21	0.00
377+96.59	56.00	3135.18	3133.20	1.98
378+00.00	56.00	3136.89	3133.39	3.50
378+07.86	56.00	3140.81	3133.81	7.00
378+20.00	56.00	3141.47	3134.47	7.00
378+50.00	56.00	3143.05	3136.05	7.00
379+00.00	56.00	3145.49	3138.49	7.00
379+50.00	57.23	3147.59	3140.59	7.00
380+00.00	56.76	3149.44	3142.44	7.00
380+50.00	59.50	3151.11	3144.11	7.00
382+30.00	59.50	3155.39	3148.39	7.00
382+50.00	59.50	3155.67	3148.67	7.00
383+00.00	57.73	3156.36	3149.36	7.00
383+50.00	55.72	3157.13	3150.13	7.00
384+00.00	55.50	3157.70	3150.70	7.00
384+50.00	55.50	3158.04	3151.04	7.00
385+00.00	55.50	3158.12	3151.12	7.00
385+50.00	55.50	3157.86	3150.86	7.00
386+00.00	55.23	3157.37	3150.37	7.00
386+50.00	54.84	3156.64	3149.64	7.00
387+00.00	54.45	3155.66	3148.66	7.00
387+50.00	54.06	3154.44	3147.44	7.00
388+00.00	53.67	3153.07	3146.07	7.00
388+50.00	53.28	3151.47	3144.47	7.00
388+69.50	53.28	3150.49	3143.49	7.00

ALL MEASUREMENTS IN FEET

SOIL NAIL RETAINING WALL #19A & #19B - TIER 1						
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 "
376+65.00	56.00	3103.80	3098.80	3097.80	1.00	5.00
376+75.00	56.00	3108.80	3102.10	3101.10	1.00	6.70
377+00.00	56.00	3112.42	3103.76	3102.76	1.00	8.66
377+50.00	56.00	3127.61	3106.91	3105.91	1.00	20.70
377+78.29	56.00	3132.21	3108.56	3107.56	1.00	23.65
377+96.59	56.00	3133.20	3109.82	3108.82	1.00	24.38
378+00.00	56.00	3133.39	3112.50	3111.50	1.00	21.89
378+07.86	56.00	3133.81	3114.94	3113.94	1.00	19.87
378+20.00	56.00	3134.47	3117.04	3116.04	1.00	18.43
378+50.00	56.00	3136.05	3118.89	3117.89	1.00	18.16
379+00.00	56.00	3138.49	3120.56	3119.56	1.00	18.93
379+50.00	57.23	3140.59	3117.04	3116.04	1.00	24.55
380+00.00	56.76	3142.44	3118.89	3117.89	1.00	24.55
380+50.00	59.50	3144.11	3120.56	3119.56	1.00	24.55
382+30.00	59.50	3148.39	3124.84	3123.84	1.00	24.55
382+50.00	59.50	3148.67	3125.12	3124.12	1.00	24.55
383+00.00	57.73	3149.36	3125.81	3124.81	1.00	24.55
383+50.00	55.72	3150.13	3126.58	3125.58	1.00	24.55
384+00.00	55.50	3150.70	3127.16	3126.16	1.00	24.54
384+50.00	55.50	3151.04	3127.49	3126.49	1.00	24.55
385+00.00	55.50	3151.12	3127.57	3126.57	1.00	24.55

ALL MEASUREMENTS IN FEET

GEOTECHNICAL ENGINEER



DocuSigned by:
Robert E. Kral
8AD70B2A84AF4

7/14/2022

SIGNATURE DATE

ENGINEER

SIGNATURE DATE

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UNLESS ALL SIGNATURES COMPLETED**

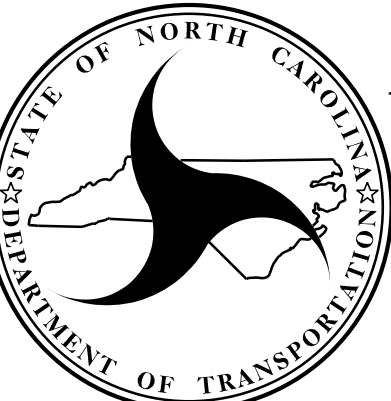
PROJECT NO.: A-0009CB
 GRAHAM COUNTY
 RETAINING WALL #19A: -L- 376+65, 45'-56' LT TO 380+50, 48.5'-70.5' LT
 RETAINING WALL #19B: -L- 382+30, 48.5'-70.5' LT TO 408+04, 33.5' LT
 SHEET 6 OF 11

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

Prepared in the Office of:



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GEOTECHNICAL
GROUP**
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**NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**GEOTECHNICAL
ENGINEERING UNIT**

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			W19-6
2			4			