


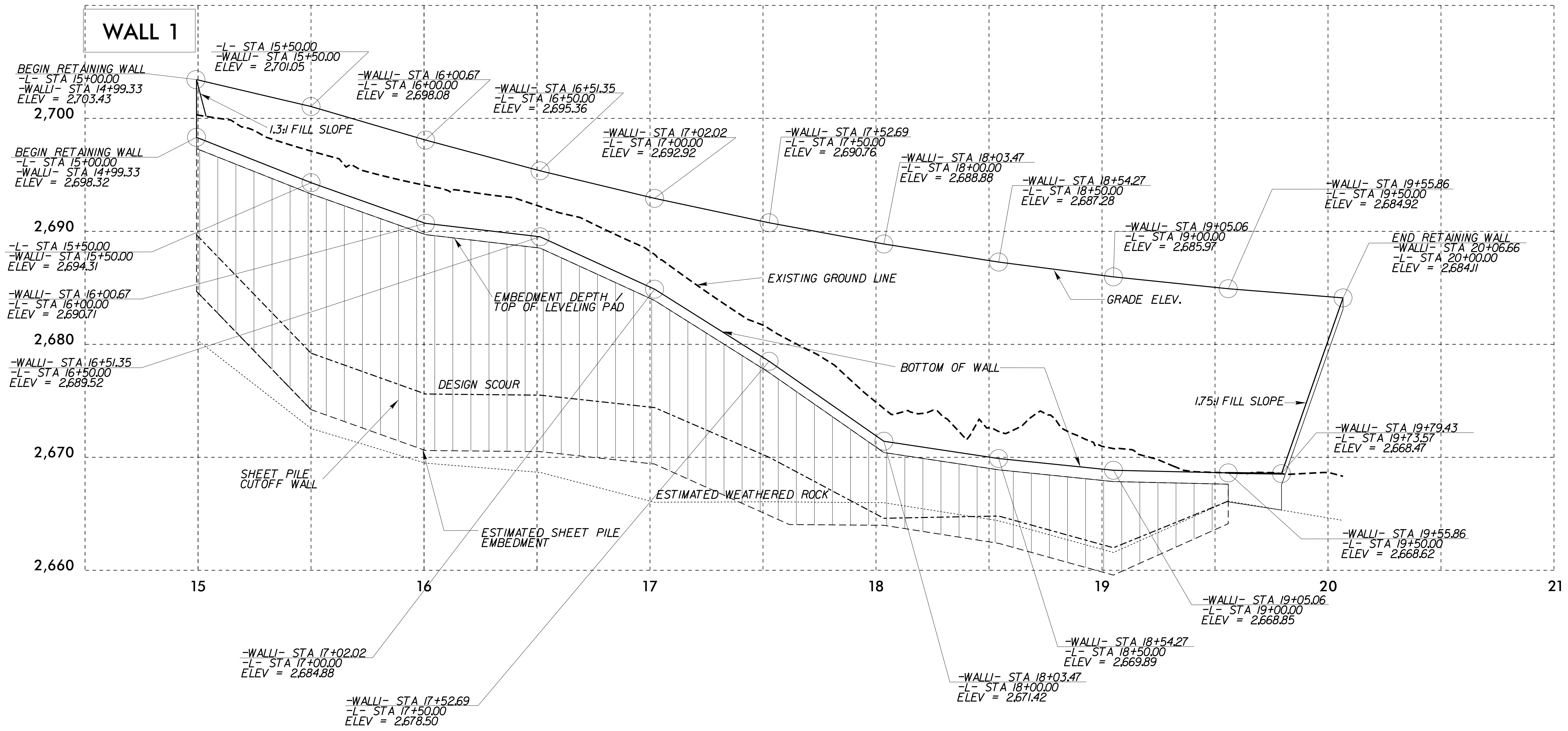
PROJECT REFERENCE NO. 49071.1.1(BR-0002)	SHEET NO. RW-02
GEOTECHNICAL ENGINEER  ENGINEER	ENGINEER DATE: 4/15/2020 SIGNATURE: _____ DATE: _____
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

RETAINING WALL NO.1 ESTIMATED QUANTITIES	
ANCHORED RETAINING WALL	6,330 SF
SHEET PILE CUTOFF WALL	5,730 SF

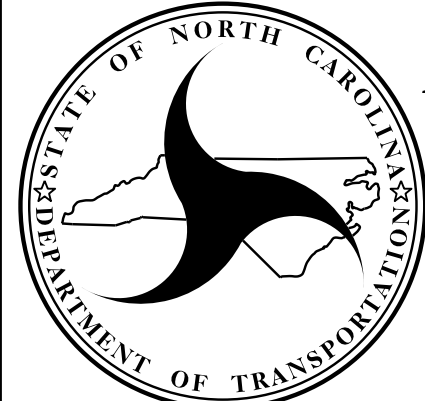
NOTE: BACKFILL FOR RETAINING WALL, CLASS VI SELECT MATERIAL (57 STONE), IS ESTIMATED TO BE APPROXIMATELY 5,600 TONS.

ANCHORED RETAINING WALL SCHEDULE											
Station	Grade Elevation (ft)	Top of Wall Elevation (ft)	Bottom of Wall Elevation (ft)	Wall Embedment Depth (ft)	Design Scour Elevation (ft)	Design Height, (ft)	*Weather Rock Elevation (>3500)	*Rock Elevation (>7500)	Depth to WR (ft)	Depth to HR (ft)	Estimated Sheet Pile Tip Elevation (ft)
15+00.00	2703.4	2701.4	2698.3	1	2689.7	13.7	2680.4	2666.8	23.0	36.6	2684.7
15+50.00	2701.1	2699.1	2694.3	1	2679.1	22.0	2672.6	2659.2	28.5	41.8	2674.1
16+00.00	2698.1	2696.1	2690.7	1	2675.6	22.5	2669.5	2651.5	28.6	46.6	2670.6
16+50.00	2695.4	2693.4	2689.5	1	2675.5	19.9	2668.7	2646.5	26.7	48.8	2670.5
17+00.00	2692.9	2690.9	2684.9	1	2674.4	18.5	2666.0	2651.8	26.9	41.2	2669.4
17+50.00	2690.8	2688.8	2678.5	1	2670.0	20.8	2666.1	2650.0	24.7	40.8	2665.0
18+00.00	2688.9	2686.9	2671.4	1	2664.6	24.3	2664.2	2649.2	24.7	39.7	2662.2
18+50.00	2687.3	2685.3	2669.9	1	2664.8	22.5	2664.4	2656.8	22.9	30.5	2662.4
19+00.00	2686.0	2684.0	2668.9	1	2662.0	24.0	2661.6	2656.0	24.3	29.9	2659.6
19+50.00	2684.9	2682.9	2668.6	4.5	2666.1	18.8	2666.1	2662.3	18.8	22.6	--
20+00.00	2684.1	2682.1	2668.3	5.9	2664.4	19.7	2664.4	2659.4	19.7	24.7	--

Note: * Weathered rock and hard rock elevations are based on a Geophysical study and are approximate and for estimating purposes only.



PREPARED BY: MHS	DATE: 4/14/20
REVIEWED BY: SCC	DATE: 4/14/20


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

**GEOTECHNICAL
ENGINEERING UNIT**

BRIDGE NO. 8 ON NC 194 OVER N. FORK NEW RIVER RETAINING WALL NO. 1 ENVELOPE					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		