GEOTECHNICAL ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 028893 ENGINEER MICHAEL H. STEPHENS

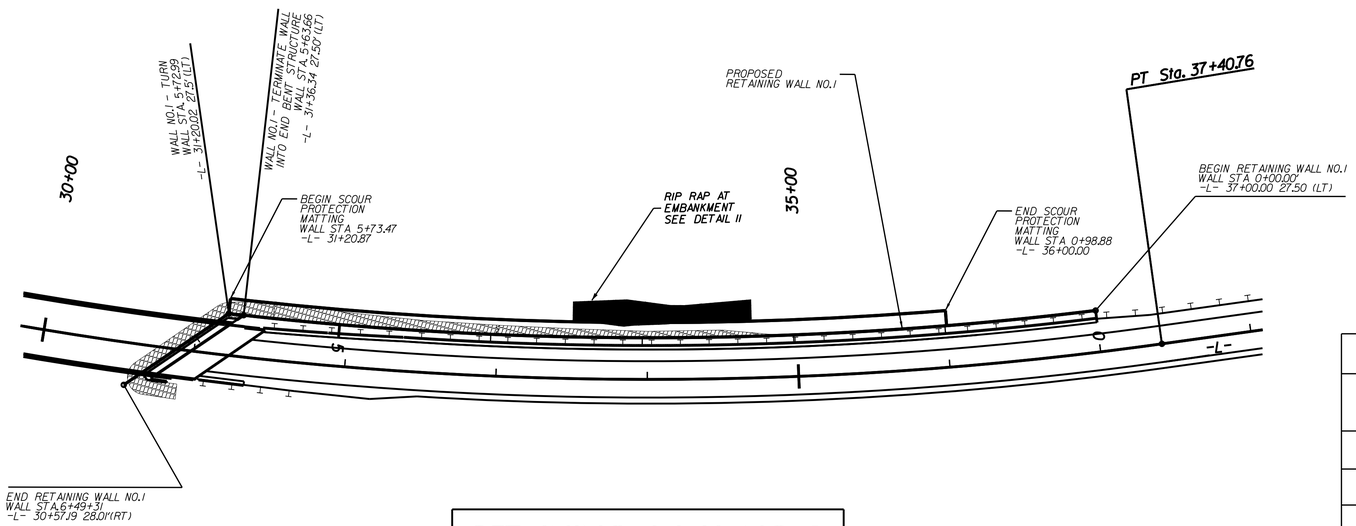
Michael H. Stephens 3/10/2015

C4476820923

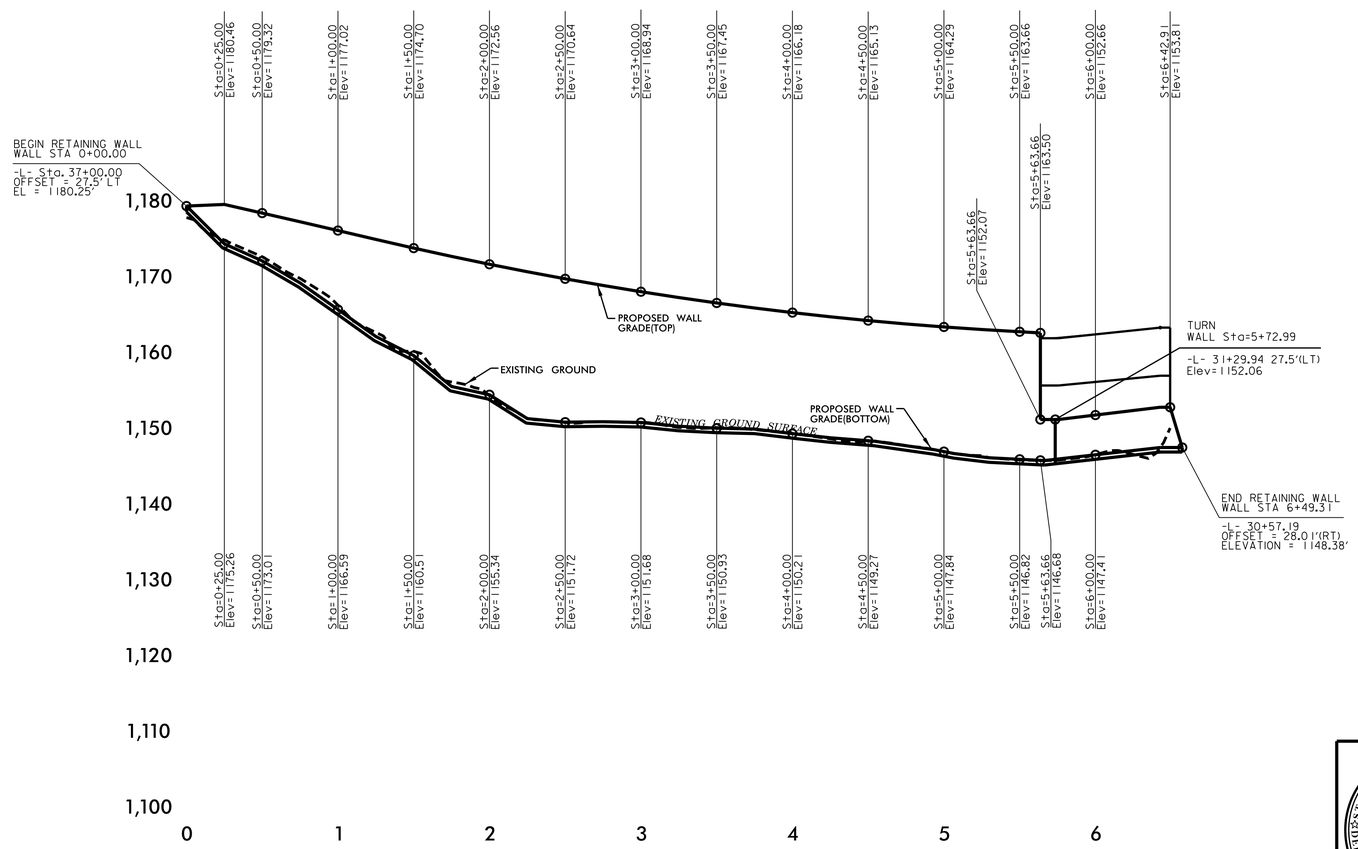
SIGNATURE DATE

ENGINEER

SIGNATURE DATE



RETAINING WALL NO. 1



ESTIMATED QUANTITIES

MSE WIRE FACED RETAINING WALL NO. 1	9,165 SF
MATTRESS SCOUR PROTECTION	4,746 SF

RETAINING WALL ELEVATIONS

STA (WALL)	-L- STA	OFFSET FROM ℄	ELEV @ TOP OF WALL	* PROPOSED FINISHED GRADE	* DESIGN WALL HEIGHT	** TOTAL WALL HEIGHT "H"
0+00.00	37+00.00	27.5 (LT)	1180.25	1180.25	0.00	3.00
0+25.00	36+75.00	27.5 (LT)	1180.46	1175.26	5.20	8.20
0+50.00	36+50.00	27.5 (LT)	1179.32	1173.01	6.31	9.31
1+00.00	36+00.00	27.5 (LT)	1177.02	1166.61	10.41	13.41
1+50.00	35+50.00	27.5 (LT)	1174.70	1160.51	14.19	17.19
2+00.00	35+00.00	27.5 (LT)	1172.56	1155.34	17.22	20.22
2+50.00	34.+50.00	27.5 (LT)	1170.64	1151.72	18.92	21.92
3+00.00	34+00.00	27.5 (LT)	1168.94	1151.68	17.26	20.26
3+50.00	33+50.00	27.5 (LT)	1167.45	1150.93	16.52	19.52
4+00.00	33+00.00	27.5 (LT)	1166.18	1150.21	15.97	18.97
4+50.00	32+50.00	27.5 (LT)	1165.13	1149.27	15.86	18.86
5+00.00	32+00.00	27.5 (LT)	1164.29	1147.84	16.45	19.45
5+50.00	31+50.00	27.5 (LT)	1163.66	1146.82	16.84	19.84
5+63.66	31+36.34	27.5 (LT)	1163.50	1146.68	16.82	19.82
5+72.99	31+20.02	27.5 (LT)	1152.06	1146.81	16.12	8.25
6+00.00	30+99.83	10.11 (LT)	1152.66	1147.41	15.90	8.25
6+42.91	30+67.88	18.28 (RT)	1153.81	1148.38	15.82	8.25
6+49.31	30+57.19	28.01 (RT)	1148.38	1148.38	0.00	3.00

* ELEVATION @ PROPOSED FINISHED GRADE AND DESIGN WALL HEIGHT DO NOT INCLUDE EMBEDMENT DEPTH

** FOR TOTAL WALL HEIGHT "H" AND ADDITIONAL CONSTRUCTION DETAILS, SEE SHEET 2 OF 2

PROJECT NO.: 33217.1.1 (B-3673)

McDOWELL COUNTY

STATION: 30+57.19 TO 37+00.00 -L-

SHEET 1 OF 3

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

PLAN VIEW MSE WIRE FACED RETAINING WALL

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
1	-	-	3	-	-
2	-	-	4	-	-

SHEET NO. W-1

PREPARED BY: MHS DATE: 3/9/15

REVIEWED BY: SCC DATE: 3/10/2015