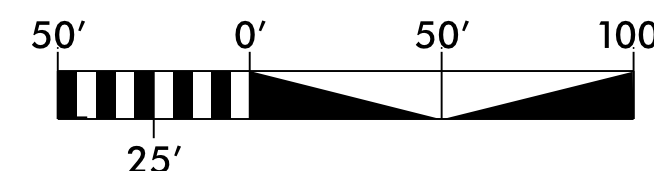


PLAN VIEW



WALL SCHEDULE		
POT#	WALL NO. 2 STATION	-L- STATION AND OFFSET
1	10+00	362+23.02, 56.47 FT (LT)
2	10+50	362+68.85, 70.41 FT (LT)
3	11+00	363+13.73, 85.98 FT (LT)
4	11+50	363+57.58, 103.13 FT (LT)
5	11+80	363+84.73, 109.50 FT (LT)
6	12+10	364+12.00, 103.83 FT (LT)
7	12+40	364+35.42, 87.41 FT (LT)
8	12+70	364+51.41, 62.61 FT (LT)
9	12+90	364+67.03, 51.00 FT (LT)
10	13+20	364+95.92, 51.00 FT (LT)
11	13+50	365+24.82, 51.00 FT (LT)
12	13+80	365+53.73, 51.00 FT (LT)
13	14+10	365+82.74, 51.00 FT (LT)
14	14+40	366+11.84, 51.00 FT (LT)
15	14+70	366+41.0, 51.00 FT (LT)
16	15+00	366+70.32, 51.00 FT (LT)
17	15+30	366+99.71, 51.00 FT (LT)
18	15+60	367+29.20, 51.00 FT (LT)
19	15+90	367+58.79, 51.00 FT (LT)
20	16+20	367+88.48, 51.00 FT (LT)
21	16+50	368+18.27, 51.00 FT (LT)
22	16+80	368+48.17, 51.00 FT (LT)
23	17+10	368+78.16, 51.00 FT (LT)
24	17+40	369+08.23, 51.00 FT (LT)

GEOTECHNICAL ENGINEER

ENGINEER

SEAL 028893

Michael Stephens 10/27/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RETAINING WALL 2 -WALL2- ESTIMATED WALL QUANTITY

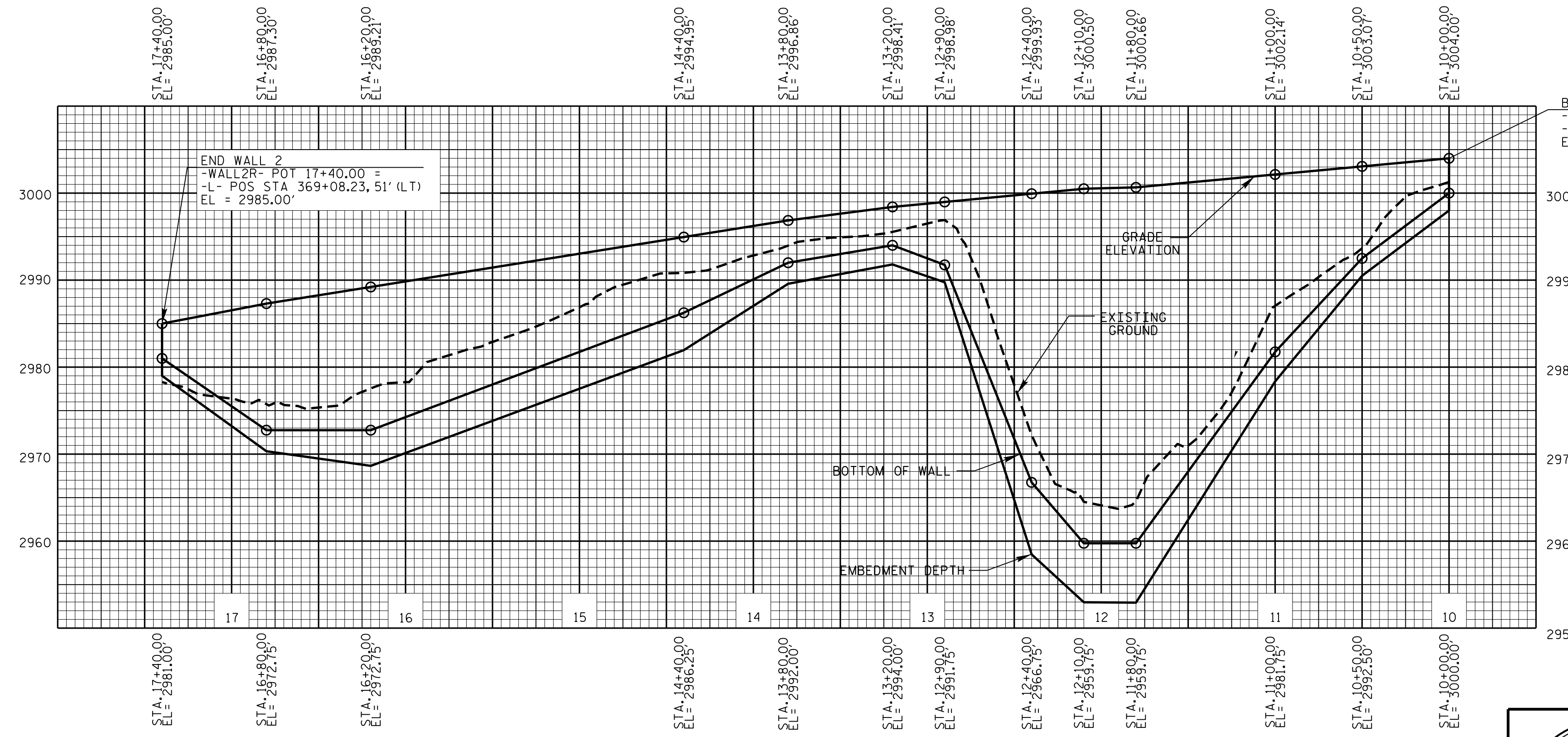
MSE RETAINING WALL	*14,365 SQUARE FEET
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* WALL AREA IS MEASURED USING THE DESIGN HEIGHT "H"

FRONT SLOPE WALL EMBEDMENT

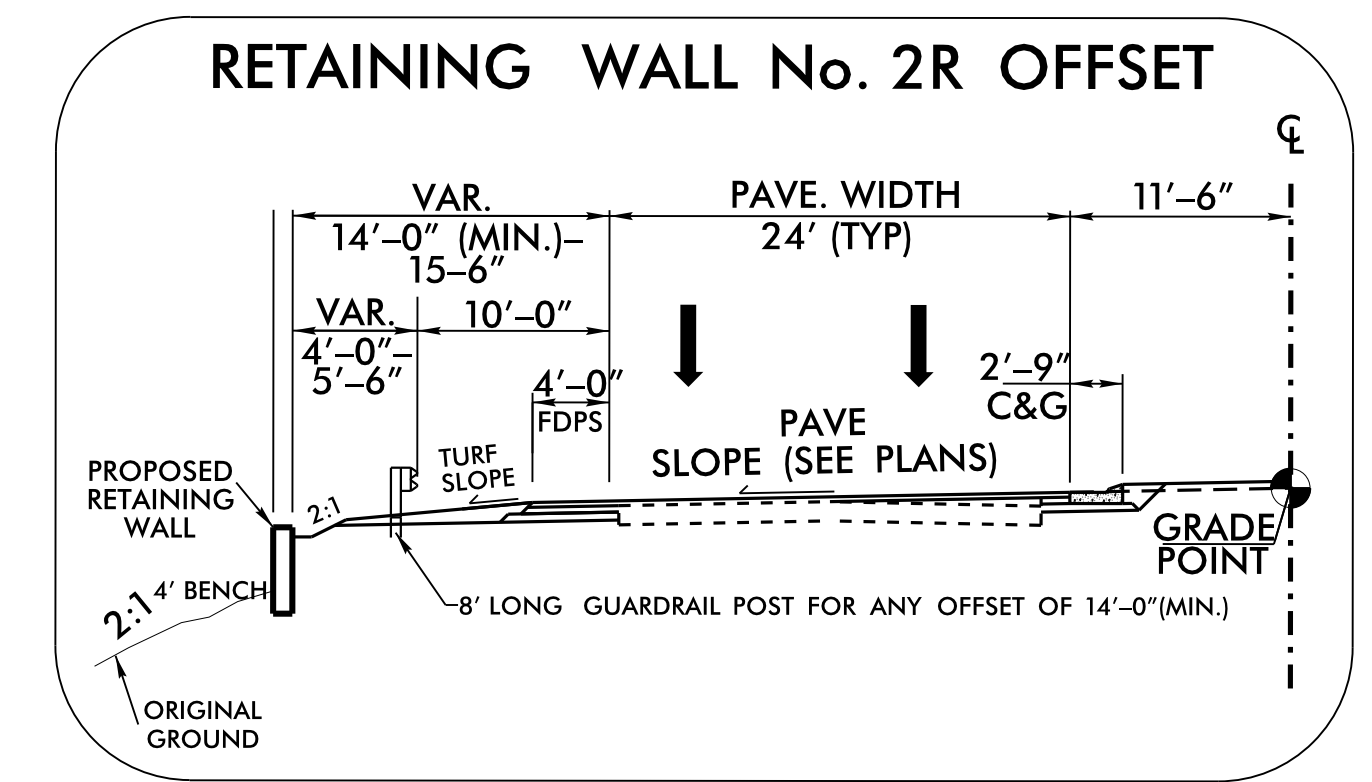
SLOPE IN FRONT OF STRUCTURES	MINIMUM EMBEDMENT DEPTH	
	FOR WALLS	FOR ABUTMENTS
HORIZONTAL	H/20	H/10
3.0H:1.0V	WALLS	H/10
2.5H:1.0V	WALLS	H/8.5
2.0H:1.0V	WALLS	H/7
1.5H:1.0V	WALLS	H/5
1.25H:1.0V	WALLS	H/4
1.0H:1.0V	WALLS	H/3

NOTE:
 1) MAINTAIN A MINIMUM BENCH WIDTH OF 4.0 FT IN FRONT OF THE WALL FOR ITS ENTIRE LENGTH.
 2) MINIMUM EMBEDMENT DEPTH OF 2 FT, UNLESS LARGER DEPTHS DICTATED BY THE ABOVE TABLE.
 3) MAXIMUM SLOPE OF 1H:1V WILL BE MAINTAINED ON FRONT SLOPES FOR THE ENTIRE LENGTH OF THE WALL.
 4) SUBMIT WITH THE WALL DESIGN INTERNAL, EXTERNAL, AND GLOBAL STABILITY ANALYSES.



WALL ENVELOPE - RETAINING WALL NO. 2

FRONT FACE



USE DETAIL AS FOLLOWS:
 -L- STA. 362+23.02 TO STA. 369+08.23 LT.

PROJECT NO.: 34518.1.4 (R-2915C)
 ASHE COUNTY
 STATION: STA 362+23 -L TO 369+08 -L-
 SHEET 1 OF 3

PREPARED BY: MHS DATE: 7/21/16
 REVIEWED BY: SCC DATE: 7/21/16

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL NO. 2 MSE RETAINING WALL

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

SHEET NO. W-3