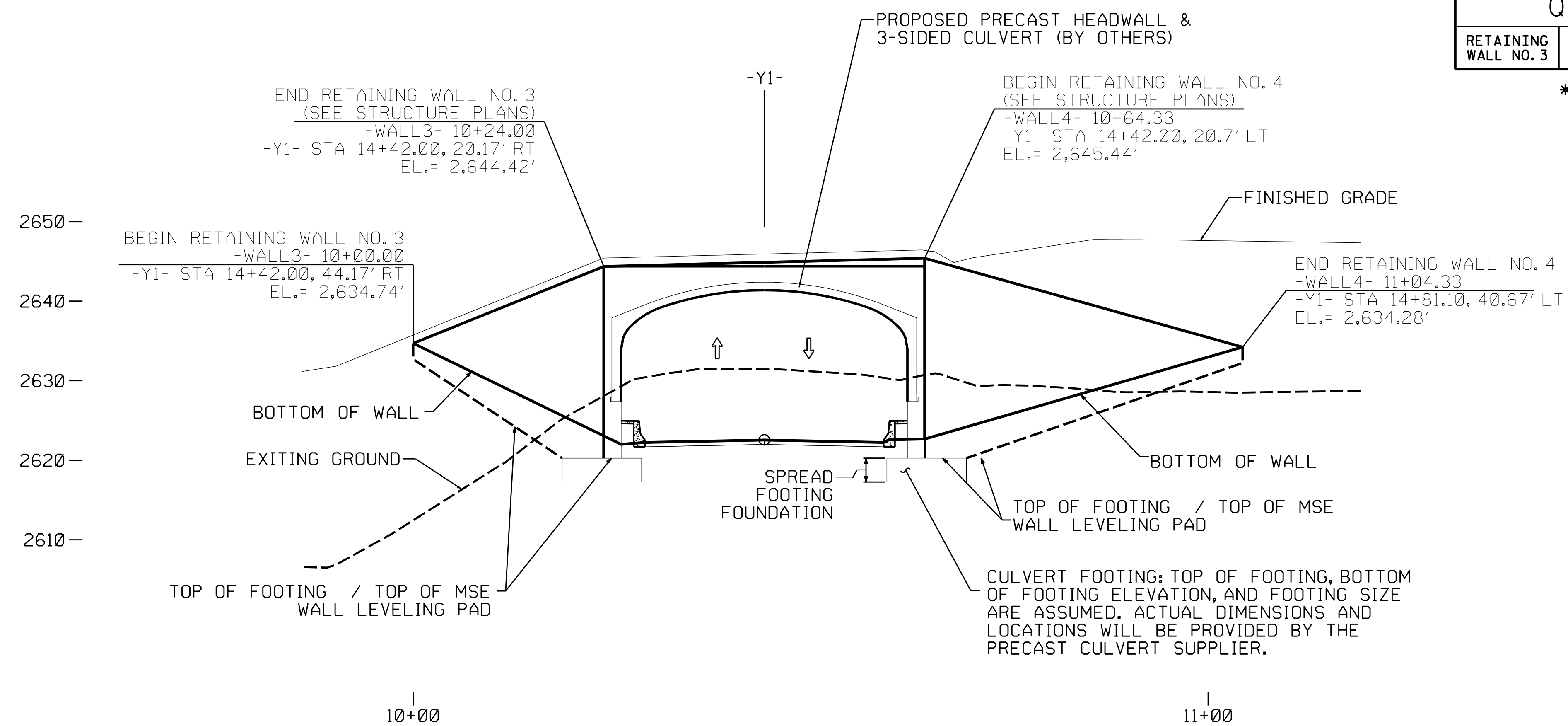


PLAN VIEW - RETAINING WALL NOS. 3&4



WALL ENVELOPE - RETAINING WALL NOS. 3&4

NOTE: 1) OFFSET DIMENSIONS ARE FROM FACE OF WALL
2) THE WALL ENVELOPE DOES NOT ACCURATELY DEPICT THE ACTUAL FACE OF THE WALL

MSE RETAINING WALL QUANTITIES

RETAINING WALL NO. 3	-WALL3-	* 345.7 SQUARE FEET
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MSE RETAINING WALL QUANTITIES

RETAINING WALL NO. 4	-WALL4-	* 573.7 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
HORIZONTAL	FOR WALLS	
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

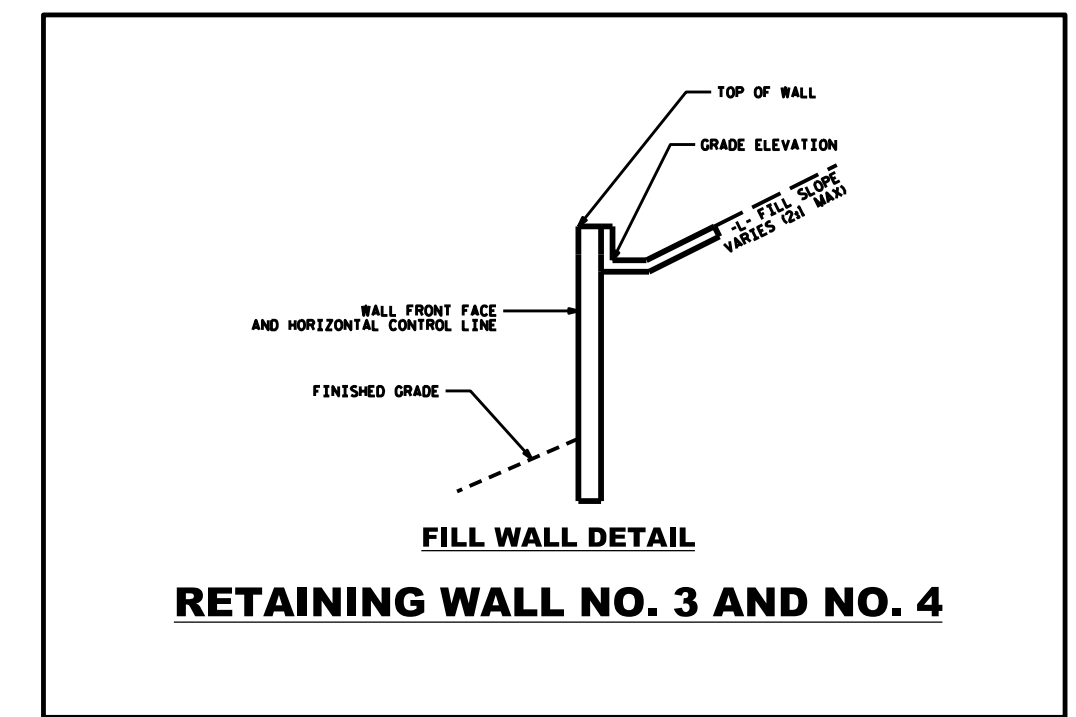
NOTE:
1) MAINTAIN A MINIMUM BENCH WIDTH OF 4.0 IN FRONT OF THE WALL FOR ITS ENTIRE LENGTH.
2) MINIMUM EMBEDMENT DEPTH OF 2 FT. UNLESS LARGER DEPTHS DICTATED BY THE ABOVE TABLE.
3) MAXIMUM SLOPE OF 2H:1V WILL BE MAINTAINED ON FRONT SLOPES FOR THE ENTIRE LENGTH OF THE WALL.
4) SUBMITT WITH THE WALL DESIGN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

PROJECT NO.: HB-0003
HAYWOOD COUNTY
STATION: RW3: 10+00 TO 10+24.00 -WALL3-
RW4: 10+64.33 TO 11+04.33 -WALL4-
SHEET 2 OF 4

GEOTECHNICAL ENGINEER SEAL 031361 SHIPING YANG 04/12/2024

ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PREPARED BY: SY	DATE: 12/2023
REVIEWED BY: SCC	DATE: 12/2023

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

RETAINING WALL NOS. 3&4 MSE RETAINING WALL PLAN & ENVELOPE

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1	SY		3		2/2023
2			4		

SHEET NO. W-2