

REFERENCE: I-2513AC

PROJECT: 34165

CONTENTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND (SOIL & ROCK)
3	SITE PLAN
4	PROFILE
5-8	BORE LOGS
9	SOIL TEST RESULTS

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

STRUCTURE
SUBSURFACE INVESTIGATION

COUNTY BUNCOMBE

PROJECT DESCRIPTION I-26I-40I-240 INTERCHANGE
TO SR 3548 (HAYWOOD ROAD)

SITE DESCRIPTION RETAINING WALL NO.14
-WALL14- STA. 10 + 63.70 (-Y3- STA. 23 + 12.36) TO
-WALL14- STA. 14 + 41.88 (-Y3- STA. 26 + 79.84)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-2513AC	1	9

CAUTION NOTICE

THE SUBSURFACE INFORMATION AND THE SUBSURFACE INVESTIGATION ON WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING AND DESIGN, AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA AVAILABLE MAY BE REVIEWED OR INSPECTED IN RALEIGH BY CONTACTING THE N. C. DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT (919) 707-6850. THE SUBSURFACE PLANS AND REPORTS, FIELD BORING LOGS, ROCK CORES AND SOIL TEST DATA ARE NOT PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND THE IN SITU (IN-PLACE) TEST DATA CAN BE RELIED ON ONLY TO THE DEGREE OF RELIABILITY INHERENT IN THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL MOISTURE CONDITIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL MOISTURE CONDITIONS MAY VARY CONSIDERABLY WITH TIME ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BIDDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND DOCUMENTS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SUFFICIENCY OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION OF THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BIDDER OR CONTRACTOR IS CAUTIONED TO PERFORM INDEPENDENT SUBSURFACE INVESTIGATIONS AND MAKE INTERPRETATIONS AS NECESSARY TO CONFIRM CONDITIONS ENCOUNTERED ON THE PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

- NOTES:
- THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N. C. DEPARTMENT OF TRANSPORTATION AS ACCURATE NOR IS IT CONSIDERED PART OF THE PLANS, SPECIFICATIONS OR CONTRACT FOR THE PROJECT.
 - BY HAVING REQUESTED THIS INFORMATION, THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PERSONNEL

A. BLACKMORE

GEOLOGIC EXPLORATION

INVESTIGATED BY ECS SOUTHEAST, LLC

DRAWN BY A. SUTTLE, P.G.

CHECKED BY M. MULLA, P.E.

SUBMITTED BY ECS SOUTHEAST, LLC

DATE AUGUST 2024

Prepared in the Office of:



ECS SOUTHEAST, LLC
1812 CENTER PARK DRIVE, SUITE D
CHARLOTTE, NC 28217
(704) 525-5152 [PHONE]
(704) 357-0023 [FAX]
NC REGISTERED
ENGINEERING
FIRM # F-1519



Signed by: Amanda R. Suttle, P.G. 6/30/2026

BDAF14CEC3A1424 SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

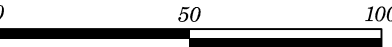
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

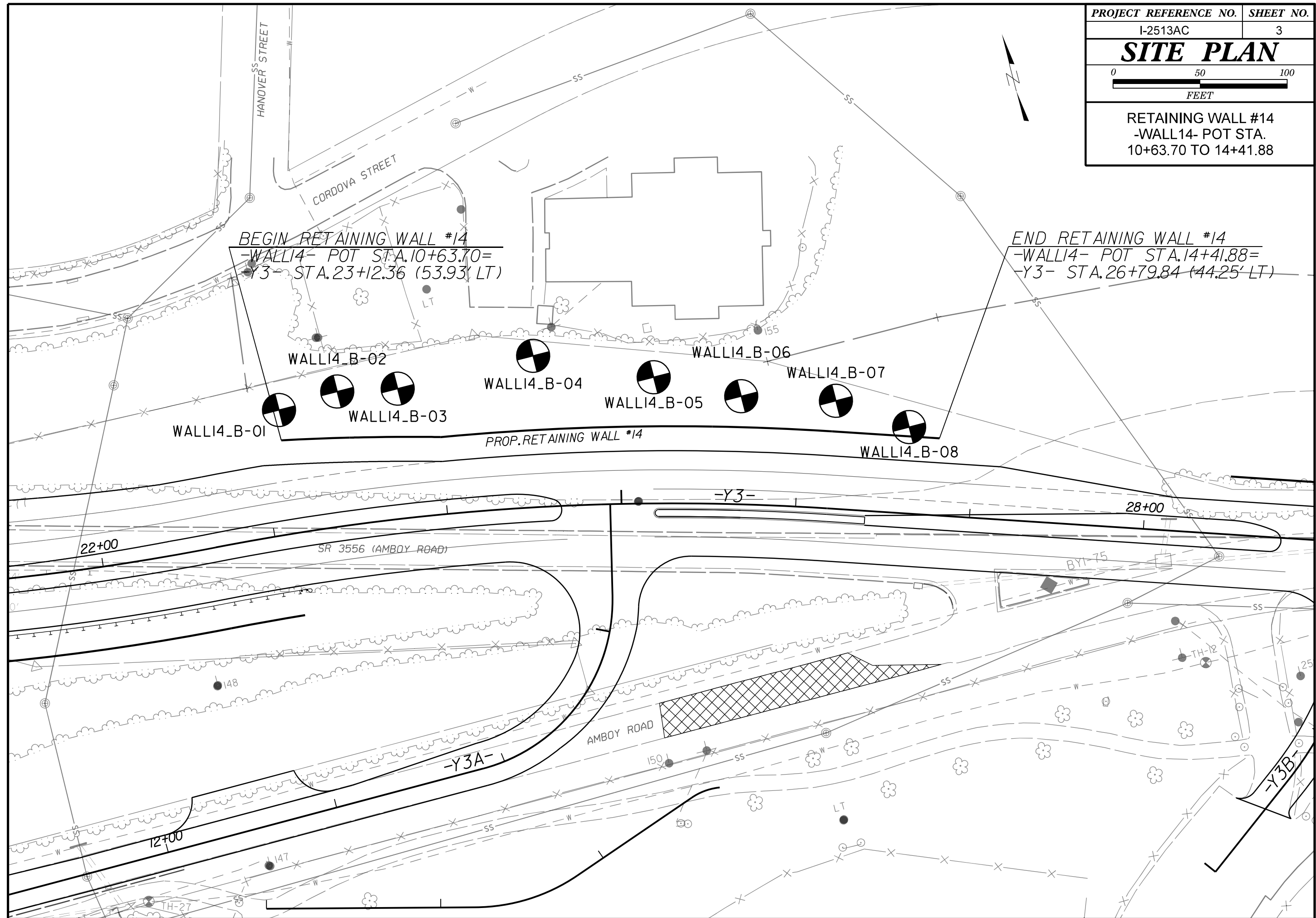
GEOTECHNICAL ENGINEERING UNIT

SUBSURFACE INVESTIGATION

SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

[illegible]

PROJECT REFERENCE NO.	SHEET NO.
I-2513AC	3
SITE PLAN	
	
RETAINING WALL #14 -WALL14- POT STA. 10+63.70 TO 14+41.88	



5/14/99

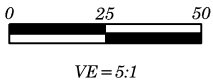
Structures\CADD\GEOTECH\Site&Sub\I25I3AC_GEO_RWAL14_PFI.dgn

12-AUG-2024 15:14
I25I3AC 1/2
ECS Corporate Services\31-4489 I-25I3AC 1/2
I25I3AC 1/2

-WALL14- PROFILE ALONG EXISTING GROUND LINE FROM ROADWAY
DESIGN FILES PROVIDED BY AECOM JULY 2024 AND I25I3 Is tnl.tin. INFERRED
STRATIGRAPHY IS DRAWN THROUGH THE BORING, PROJECTED ON THE PROFILE.

-WALL14-

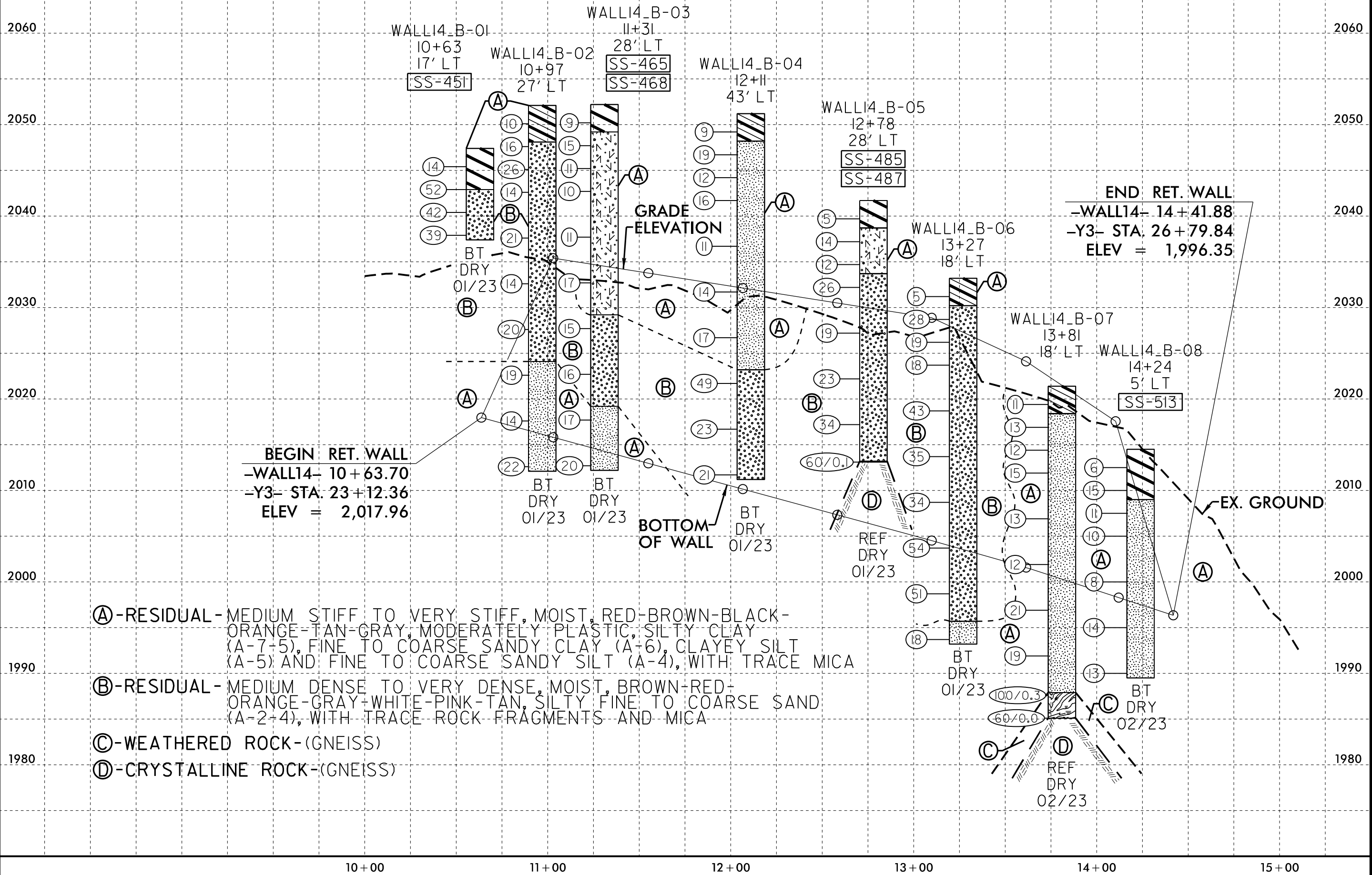
Prepared in the Office of:



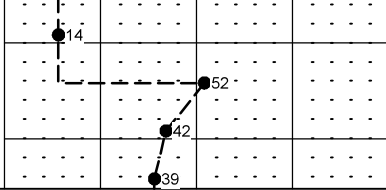
PROJECT REFERENCE NO. SHEET NO.

I-25I3AC 4

PROFILE BORINGS PROJECTED ON
-WALL14- ALONG WALL NO. 14



GEOTECHNICAL BORING REPORT
BORE LOG

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore							
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84											GROUND WTR (ft)					
BORING NO. WALL14_B-01			STATION 10+63			OFFSET 17 ft LT			ALIGNMENT -WALL14-			0 HR.	Dry			
COLLAR ELEV. 2,047.4 ft			TOTAL DEPTH 10.0 ft			NORTHING 680,699			EASTING 934,516			24 HR.	Dry			
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers				HAMMER TYPE Automatic						
DRILLER J. Messick			START DATE 01/30/23			COMP. DATE 01/30/23			SURFACE WATER DEPTH N/A							
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
2050																
2045	2,046.4	1.0	3	5	9									2,047.4	0.0	
	2,043.9	3.5	17	24	28							SS-451		33%	2,042.9	4.5
	2,041.4	6.0	7	20	22									M		
2040	2,038.9	8.5	19	20	19							M		2,037.4	10.0	
														Boring Terminated at Elevation 2,037.4 ft In Residual Silty SAND (A-2-4)		
														Surficial Organic Soil from 0.0 to 0.3 feet.		

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore					
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84										GROUND WTR (ft)				
BORING NO. WALL14_B-02			STATION 10+97			OFFSET 27 ft LT			ALIGNMENT -WALL14-		0 HR. Dry			
COLLAR ELEV. 2,052.1 ft			TOTAL DEPTH 40.0 ft			NORTHING 680,701			EASTING 934,551		24 HR. Dry			
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers			HAMMER TYPE Automatic					
DRILLER J. Messick			START DATE 01/30/23			COMP. DATE 01/30/23			SURFACE WATER DEPTH N/A					
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				
2055														
	2,051.1	1.0	3	4	6									2,052.1 GROUND SURFACE 0.0
2050	2,048.6	3.5	7	8	8									2,048.1 4.0
	2,046.1	6.0	7	14	12									
2045	2,043.6	8.5	6	7	7									
2040	2,038.6	13.5	7	11	10									
2035	2,033.6	18.5	9	8	6									
2030	2,028.6	23.5	22	10	10									
2025	2,023.6	28.5	23	8	11									2,024.1 28.0
2020	2,018.6	33.5	7	7	7									
2015	2,013.6	38.5	8	11	11									2,012.1 40.0

NCDOT BORE DOUBLE I2513AC_GEO_GTM.GPJ NC_DOT.GDT 8/12/24

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore						
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84										GROUND WTR (ft)					
BORING NO. WALL14_B-03			STATION 11+31			OFFSET 28 ft LT			ALIGNMENT -WALL 14-			0 HR. Dry			
COLLAR ELEV. 2,052.2 ft			TOTAL DEPTH 40.0 ft			NORTHING 680,694			EASTING 934,585			24 HR. Dry			
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers				HAMMER TYPE Automatic					
DRILLER J. Messick			START DATE 01/30/23			COMP. DATE 01/30/23			SURFACE WATER DEPTH N/A						
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)
2055															
	2,051.2	1.0													
2050	2,048.7	3.5	3	4	5						SS-465	25%		GROUND SURFACE 0.0	
	2,046.2	6.0	7	8	7							M		RESIDUAL Stiff, Red-Brown, Moderately Plastic Silty CLAY (A-7-5(12)) 3.0	
2045	2,043.7	8.5	5	5	6							M		Stiff to Very Stiff, Red-Brown-Tan-Orange, Clayey SILT (A-5(0)), with trace mica	
	2,040.2	11.0	4	5	5						SS-468	21%			
2040	2,038.7	13.5	5	5	6							M			
	2,035.2	16.0										M			
2035	2,033.7	18.5	7	7	10							M			
	2,030.2	21.0										M			
2030	2,028.7	23.5	8	7	8							M		2,029.2 Medium Dense, Orange-Red, Silty Fine to Coarse SAND (A-2-4) 23.0	
	2,026.2	25.0										M			
2025	2,023.7	28.5	9	8	8							M			
	2,021.2	30.0										M			
2020	2,018.7	33.5	7	9	8							M		2,019.2 Very Stiff, Black-Tan-Gray, Fine to Coarse Sandy SILT (A-4), with trace mica 33.0	
	2,016.2	35.0										M			
2015	2,013.7	38.5	7	10	10							M		2,012.2 Boring Terminated at Elevation 2,012.2 ft In Residual Sandy SILT (A-4) 40.0	
														Surficial Organic Soil from 0.0 to 0.3 feet.	

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore					
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84									GROUND WTR (ft)					
BORING NO. WALL14_B-04			STATION 12+11			OFFSET 43 ft LT			ALIGNMENT -WALL14-			0 HR. Dry		
COLLAR ELEV. 2,051.2 ft			TOTAL DEPTH 40.0 ft			NORTHING 680,693			EASTING 934,665			24 HR. Dry		
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers			HAMMER TYPE Automatic					
DRILLER J. Messick			START DATE 01/31/23			COMP. DATE 01/31/23			SURFACE WATER DEPTH N/A					
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				
2055														
2050	2,050.2	1.0												2,051.2 GROUND SURFACE 0.0
			4	5	4									
	2,047.7	3.5	8	9	10									2,048.2 RESIDUAL 3.0
2045	2,045.2	6.0	4	6	6									Stiff to Very Stiff, Brown-Tan-Black-Red, Fine to Coarse Sandy SILT (A-4), with trace mica
	2,042.7	8.5	6	6	10									
2040														
	2,037.7	13.5	6	5	6									
2035														
	2,032.7	18.5	9	5	9									
2030														
	2,027.7	23.5	6	7	10									
2025														
	2,022.7	28.5	20	23	26									2,023.2 28.0
2020														Medium Dense to Dense, Gray-Brown-White, Silty Fine to Coarse SAND (A-2-4), with trace rock fragments
	2,017.7	33.5	21	11	12									
2015														
	2,012.7	38.5	11	10	11									2,011.2 40.0
														Boring Terminated at Elevation 2,011.2 ft In Residual Silty SAND (A-2-4)
														Surficial Organic Soil from 0.0 to 0.3 feet.

NCDOT BORE DOUBLE I2513AC_GEO_GTM.GPJ NC_DOT.GDT 8/12/24

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore						
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84												GROUND WTR (ft)			
BORING NO. WALL14_B-05			STATION 12+78			OFFSET 28 ft LT			ALIGNMENT -WALL 14-			0 HR.	Dry		
COLLAR ELEV. 2,041.7 ft			TOTAL DEPTH 28.6 ft			NORTHING 680,664			EASTING 934,729			24 HR.	Dry		
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers			HAMMER TYPE Automatic						
DRILLER J. Messick			START DATE 01/31/23			COMP. DATE 01/31/23			SURFACE WATER DEPTH N/A						
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)
2045															
2040	2,040.7	1.0												2,041.7	GROUND SURFACE 0.0
											SS-485	29%			
	2,038.2	3.5	3	2	3							M		2,038.7	RESIDUAL Medium Stiff, Red-Brown, Moderately Plastic Silty CLAY (A-7-5(16)) Stiff, Red-Brown-Tan, Clayey SILT (A-5(0)), with trace mica 3.0
2035	2,035.7	6.0	7	8	6										
	2,033.7	6.0	5	6	6						SS-487	17%		2,033.7	8.0
	2,033.2	8.5	7	12	14							M			Medium Dense to Dense, Tan-Brown-Pink, Silty Fine to Coarse SAND (A-2-4), with trace mica
2030															
	2,028.2	13.5	8	10	9							M			
2025															
	2,023.2	18.5	9	10	13							M			
2020															
	2,018.2	23.5	11	16	18							M			
2015															
	2,013.2	28.5												2,013.2	28.5
			60/0.1			60/0.1								2,013.1	28.6
															CRYSTALLINE ROCK (GNEISS) Boring Terminated with Standard Penetration Test Refusal at Elevation 2,013.1 ft In Crystalline Rock (GNEISS) Surficial Organic Soil from 0.0 to 0.3 feet.

WBS 34165.1.13			TIP I-2513AC			COUNTY BUNCOMBE			GEOLOGIST A. Blackmore					
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84									GROUND WTR (ft)					
BORING NO. WALL14_B-06			STATION 13+27			OFFSET 18 ft LT			ALIGNMENT -WALL14-			0 HR. Dry		
COLLAR ELEV. 2,033.2 ft			TOTAL DEPTH 40.0 ft			NORTHING 680,641			EASTING 934,775			24 HR. Dry		
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022						DRILL METHOD H.S. Augers			HAMMER TYPE Automatic					
DRILLER J. Messick			START DATE 01/31/23			COMP. DATE 01/31/23			SURFACE WATER DEPTH N/A					
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				
2035														
	2,032.2	1.0												2,033.2 GROUND SURFACE 0.0
2030	2,029.7	3.5	2	2	3									RESIDUAL Medium Stiff, Red-Brown, Fine to Coarse Sandy CLAY (A-6) 3.0
	2,027.2	6.0	12	13	15									
	2,024.7	8.5	8	10	9									Medium Dense to Very Dense, Orange-Brown-Pink-White-Tan, Silty Fine to Coarse SAND (A-2-4)
2025	2,024.7	8.5	11	10	8									
2020	2,019.7	13.5	25	18	25									
2015	2,014.7	18.5	19	19	16									
2010	2,009.7	23.5	18	15	19									
2005	2,004.7	28.5	16	19	35									
2000	1,999.7	33.5	20	22	29									
1995	1,994.7	38.5	8	9	9									1,995.7 37.5
														1,993.2 40.0
														Very Stiff, Brown-Black, Fine to Coarse Sandy SILT (A-4), with trace mica
														Boring Terminated at Elevation 1,993.2 ft In Residual Sandy SILT (A-4)
														Surficial Organic Soil from 0.0 to 0.3 feet.

NCDOT BORE DOUBLE I2513AC_GEO_GTM.GPJ NC_DOT.GDT 8/12/24

WBS 34165.1.13		TIP I-2513AC		COUNTY BUNCOMBE		GEOLOGIST A. Blackmore									
SITE DESCRIPTION RETAINING WALL NO. 14, -Y3- STA. 23+12.36 TO -Y3- STA. 26+79.84								GROUND WTR (ft)							
BORING NO. WALL14_B-08		STATION 14+24		OFFSET 5 ft LT		ALIGNMENT -WALL 14-		0 HR.	Dry						
COLLAR ELEV. 2,014.5 ft		TOTAL DEPTH 25.0 ft		NORTHING 680,600		EASTING 934,864		24 HR.	Dry						
DRILL RIG/HAMMER EFF./DATE GEO366 Diedrich D-50 80% 03/18/2022				DRILL METHOD H.S. Augers			HAMMER TYPE Automatic								
DRILLER J. Messick			START DATE 02/02/23		COMP. DATE 02/02/23		SURFACE WATER DEPTH N/A								
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
2015															
	2,013.5	1.0		4	2	4									2,014.5 GROUND SURFACE 0.0
	2,011.0	3.5		5	6	9									
2010	2,008.5	6.0		5	5	6						SS-513	27%		2,009.0 5.5
	2,006.0	8.5		5	5	5									Medium Stiff to Stiff, Tan-Brown-Black, Fine to Coarse Sandy SILT (A-4), with trace mica
2005															
	2,001.0	13.5		5	4	4									
2000															
	1,996.0	18.5		5	7	7									
1995															
	1,991.0	23.5		5	6	7									
1990															
															Boring Terminated at Elevation 1,989.5 ft In Residual Sandy SILT (A-4)
															Surficial Organic Soil from 0.0 to 0.3 feet.

SOIL TEST RESULTS																
BORING NO.	SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
								C. SAND	F. SAND	SILT	CLAY	10	40	200		
WALL14_B-01	SS-451	17' LT	10+63 -WALL14-	1.0 - 2.5	A-7-5(16)	56	20	15.8	16.2	22.8	45.2	99.0	88.0	72.0	33.3	-
WALL14_B-03	SS-465	28' LT	11+31 -WALL14-	1.0 - 2.5	A-7-5(12)	59	20	24.4	19.8	22.6	33.2	99.0	82.0	60.0	25.3	-
WALL14_B-03	SS-468	28' LT	11+31 -WALL14-	8.5 - 10.0	A-5(0)	54	NP	31.4	30.0	21.3	17.4	95.0	77.0	45.0	20.6	-
WALL14_B-05	SS-485	28' LT	12+78 -WALL14-	1.0 - 2.5	A-7-5(16)	61	22	20.5	14.4	17.2	47.9	98.0	83.0	68.0	28.7	-
WALL14_B-05	SS-487	28' LT	12+78 -WALL14-	6.0 - 7.5	A-5(0)	47	NP	26.3	28.1	24.2	21.4	99.0	81.0	52.0	16.8	-
WALL14_B-08	SS-513	5' LT	14+24 -WALL14-	3.5 - 5.0	A-7-5(8)	59	21	33.3	16.5	14.4	35.8	92.0	67.0	49.0	27.0	-

LAB TECHNICIAN: DANIEL REEVE

NCDOT CERTIFICATION NO.135-03-0816