

REFERENCE: R-5740

PROJECT: 50198

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5740	1	13

STRUCTURE
SUBSURFACE INVESTIGATION

CONTENTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND (SOIL & ROCK)
3	SITE PLAN - AREA 1
4	SITE PLAN - AREA 2
5-8	PROFILES
9-13	BORE LOGS

COUNTY PERQUIMANS
PROJECT DESCRIPTION SR 1329 (WOODVILLE RD) FROM
SR 1331 (RED BANK RD - NORTH END) TO SR 1300
(NEW HOPE RD)
SITE DESCRIPTION PROPOSED RETAINING WALLS ON
-L- (SR 1329) AT AREA 1 OVER DEEP CREEK
AND AREA 2 OVER MILLS CREEK

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.

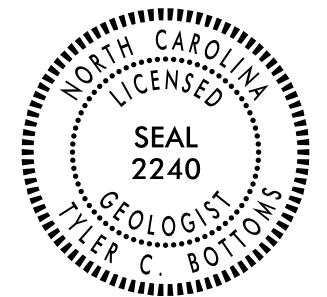
GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SUBSURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN BORINGS OR BETWEEN SAMPLED STRATA WITHIN THE BOREHOLE. THE LABORATORY SAMPLE DATA AND 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 MAKE SUCH INDEPENDENT SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO CONDITIONS TO BE 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:
1. 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.
 2. 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
C.J. CORNETTE
R.E. SMITH
J.M. EDMONDSON

INVESTIGATED BY T.C. BOTTOMS
DRAWN BY T.C. BOTTOMS
CHECKED BY D.N. ARGENBRIGHT
SUBMITTED BY D.N. ARGENBRIGHT
DATE MAY 2017



DocuSigned by:
Tyler Bottoms 5/16/2017
48A2D3BDC8B7478E DATE

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

SUBSURFACE INVESTIGATION

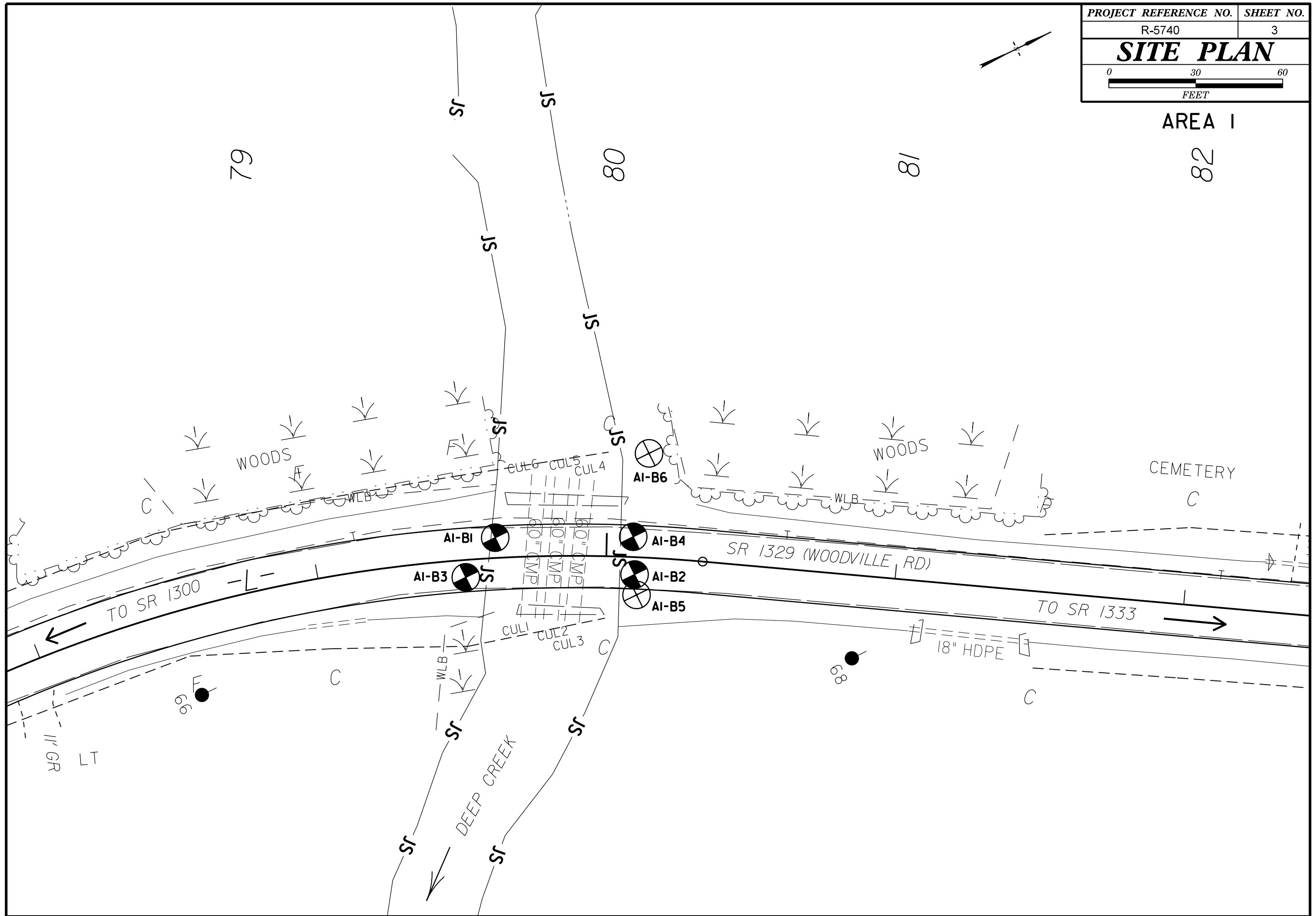
SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

Table with multiple columns: SOIL DESCRIPTION, GRADATION, ROCK DESCRIPTION, TERMS AND DEFINITIONS, SOIL LEGEND AND AASHTO CLASSIFICATION, MINERALOGICAL COMPOSITION, COMPRESSIBILITY, PERCENTAGE OF MATERIAL, GROUND WATER, MISCELLANEOUS SYMBOLS, RECOMMENDATION SYMBOLS, ABBREVIATIONS, EQUIPMENT USED ON SUBJECT PROJECT, PLASTICITY, COLOR, FRACTURE SPACING, BEDDING, INDURATION, and NOTES.

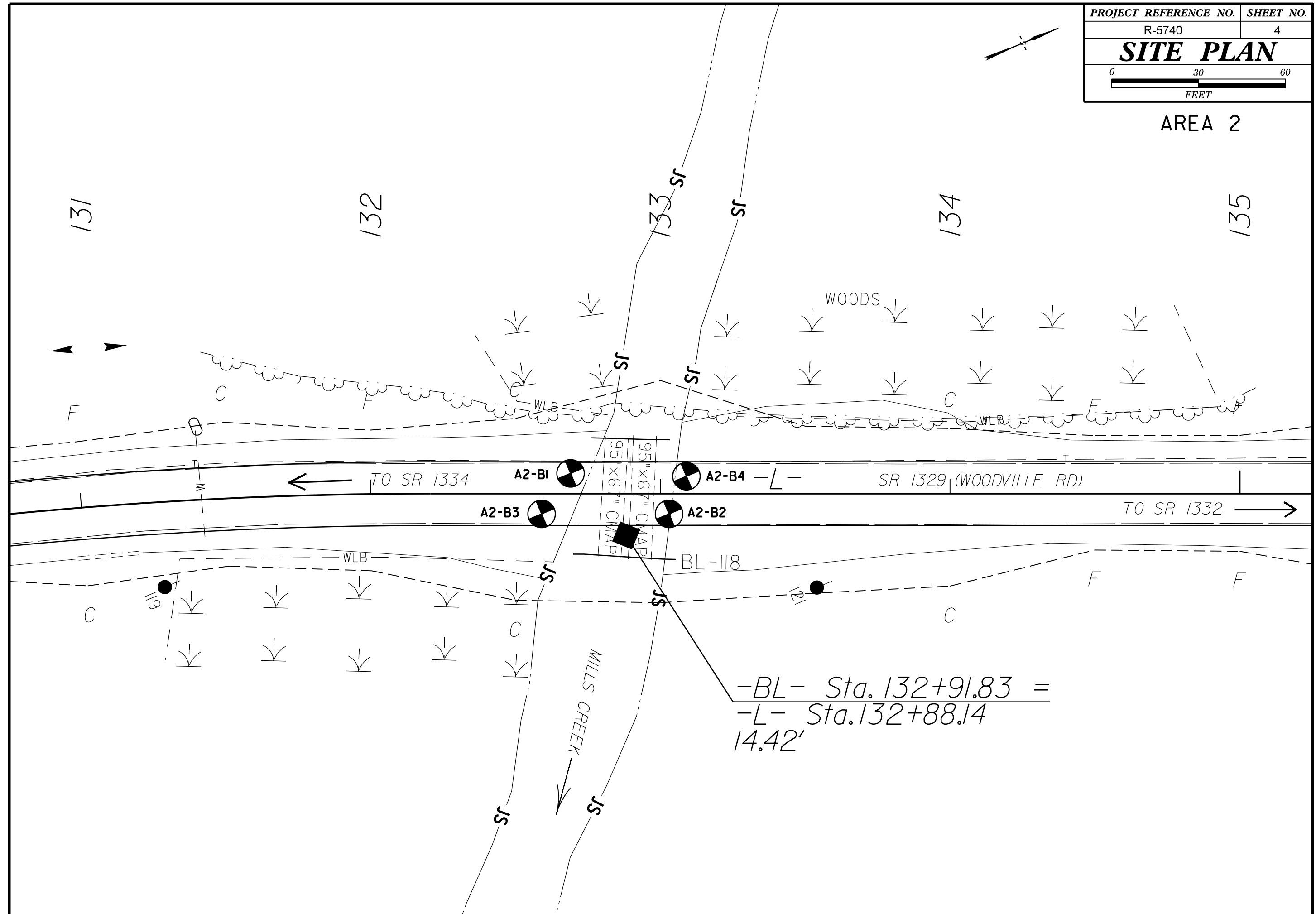
PROJECT REFERENCE NO.	SHEET NO.
R-5740	3
SITE PLAN	
 FEET	

AREA I

82



AREA 2



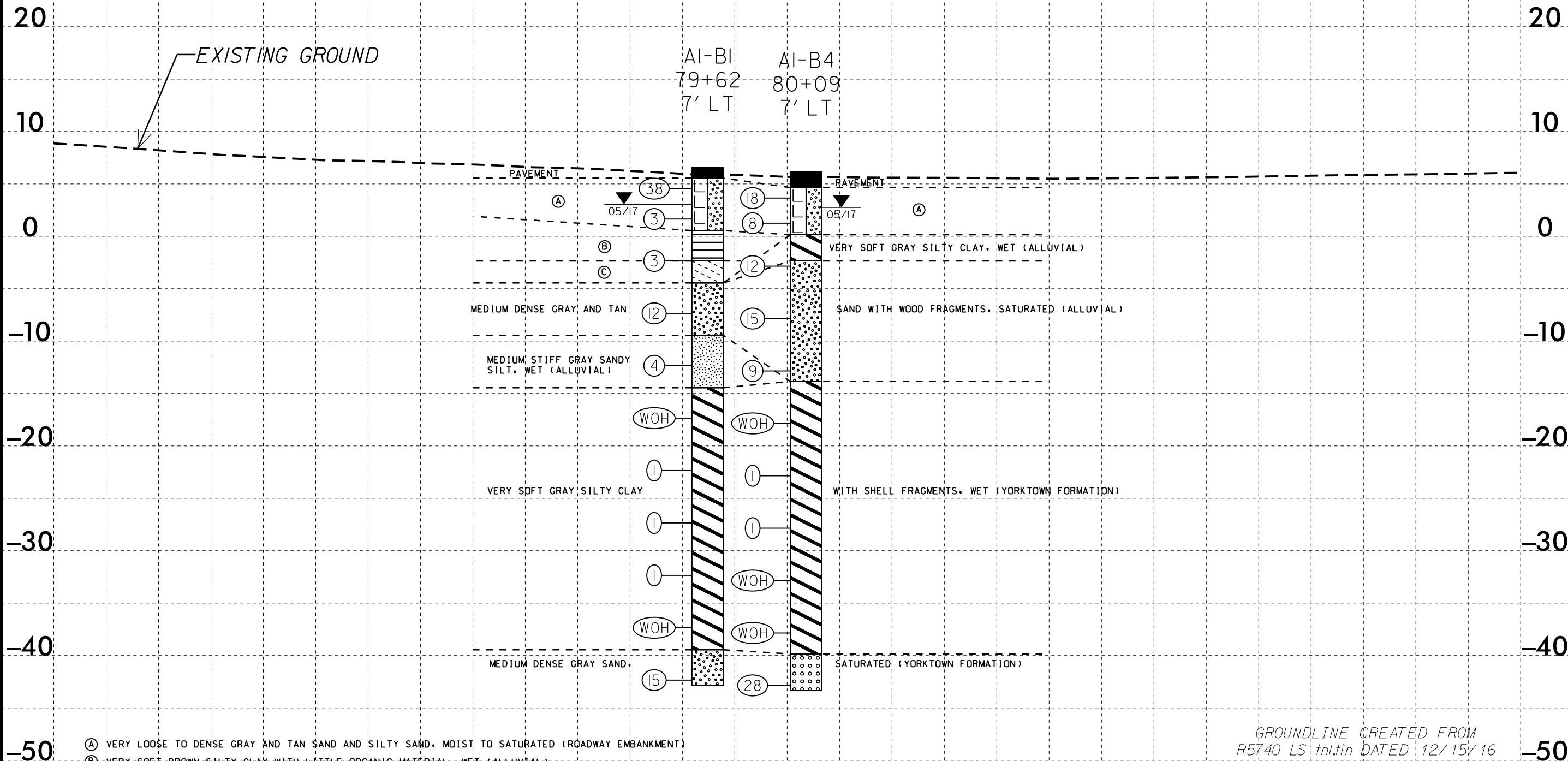
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5/14/99

PROJECT REFERENCE NO. R-5740	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PROFILE THROUGH LEFT LANE BORINGS PROJECTED ALONG -L- AT AREA 1

VE:5



- (A) VERY LOOSE TO DENSE GRAY AND TAN SAND AND SILTY SAND, MOIST TO SATURATED (ROADWAY EMBANKMENT)
- (B) VERY SOFT BROWN SILTY CLAY WITH LITTLE ORGANIC MATERIAL, WET (ALLUVIAL)
- (C) VERY LOOSE BROWN SAND WITH LITTLE ORGANIC MATERIAL, SATURATED (ALLUVIAL)

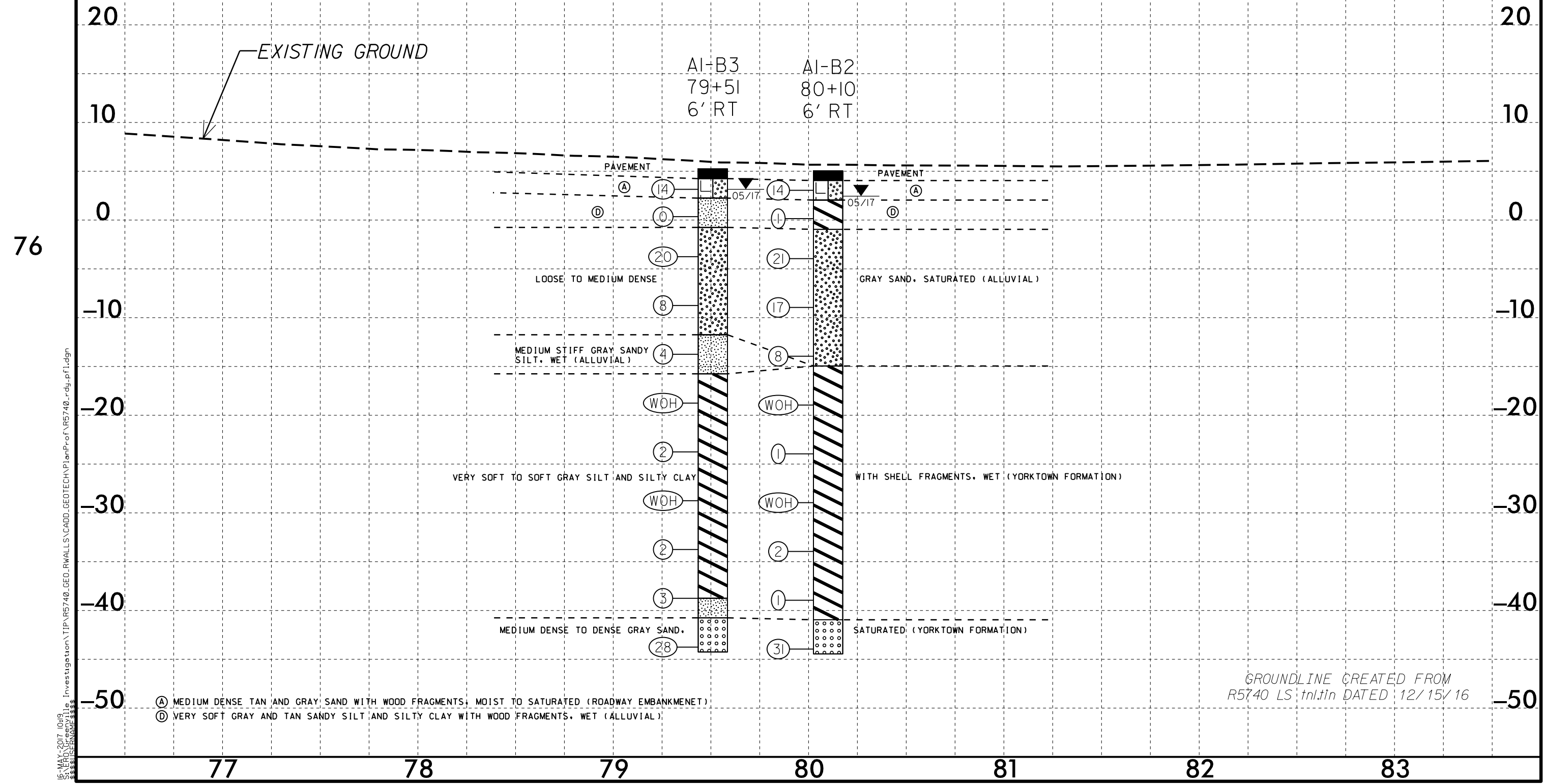
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PROFILE THROUGH RIGHT LANE BORINGS PROJECTED ALONG -L- AT AREA 1

VE:5



- (A) MEDIUM DENSE TAN AND GRAY SAND WITH WOOD FRAGMENTS, MOIST TO SATURATED (ROADWAY EMBANKMENT)
- (D) VERY SOFT GRAY AND TAN SANDY SILT AND SILTY CLAY WITH WOOD FRAGMENTS, WET (ALLUVIAL)

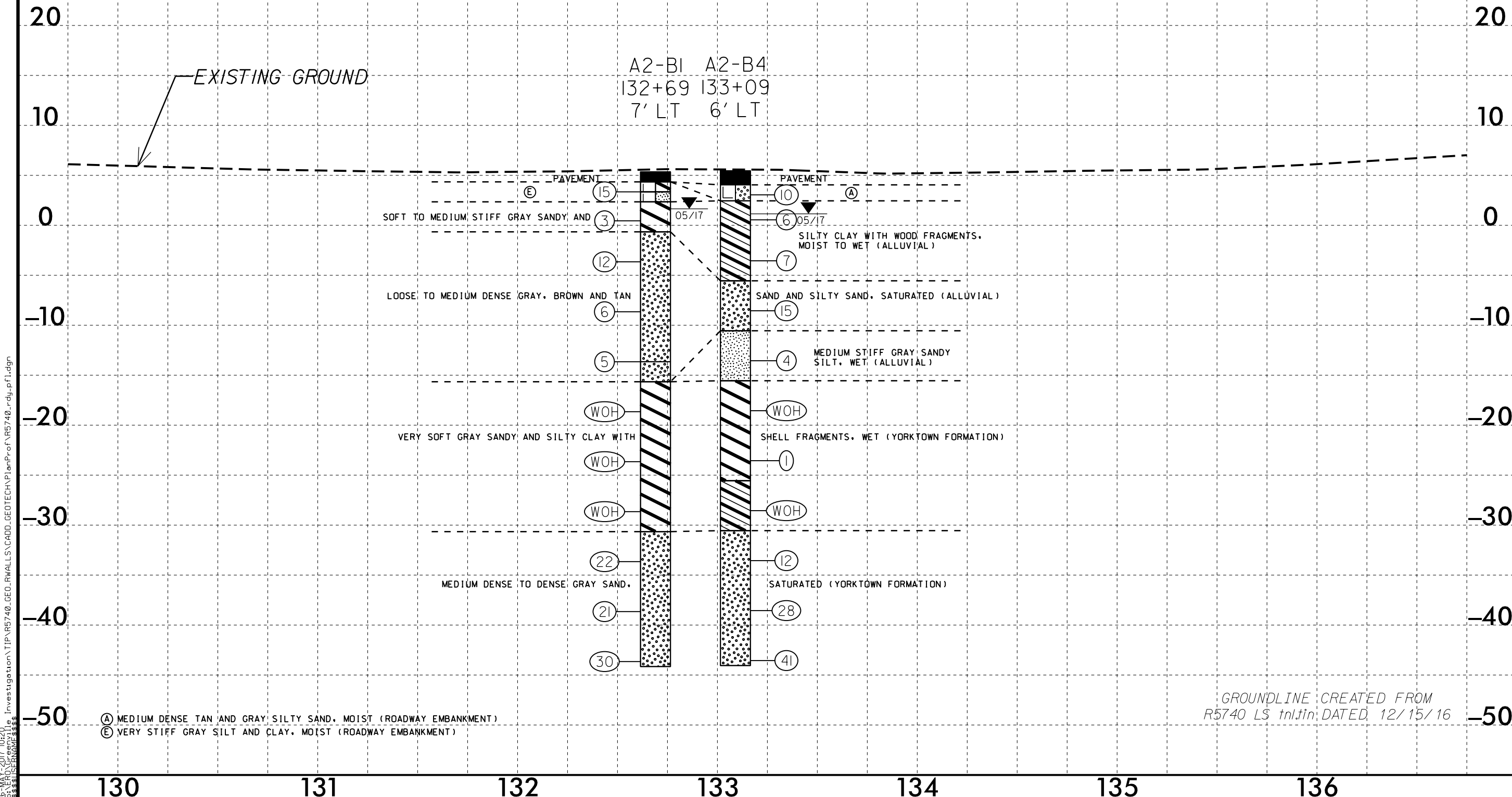
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PROJECT REFERENCE NO. <i>R-5740</i>	SHEET NO. <i>7</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**PROFILE THROUGH LEFT LANE BORINGS
PROJECTED ALONG -L- AT AREA 2**

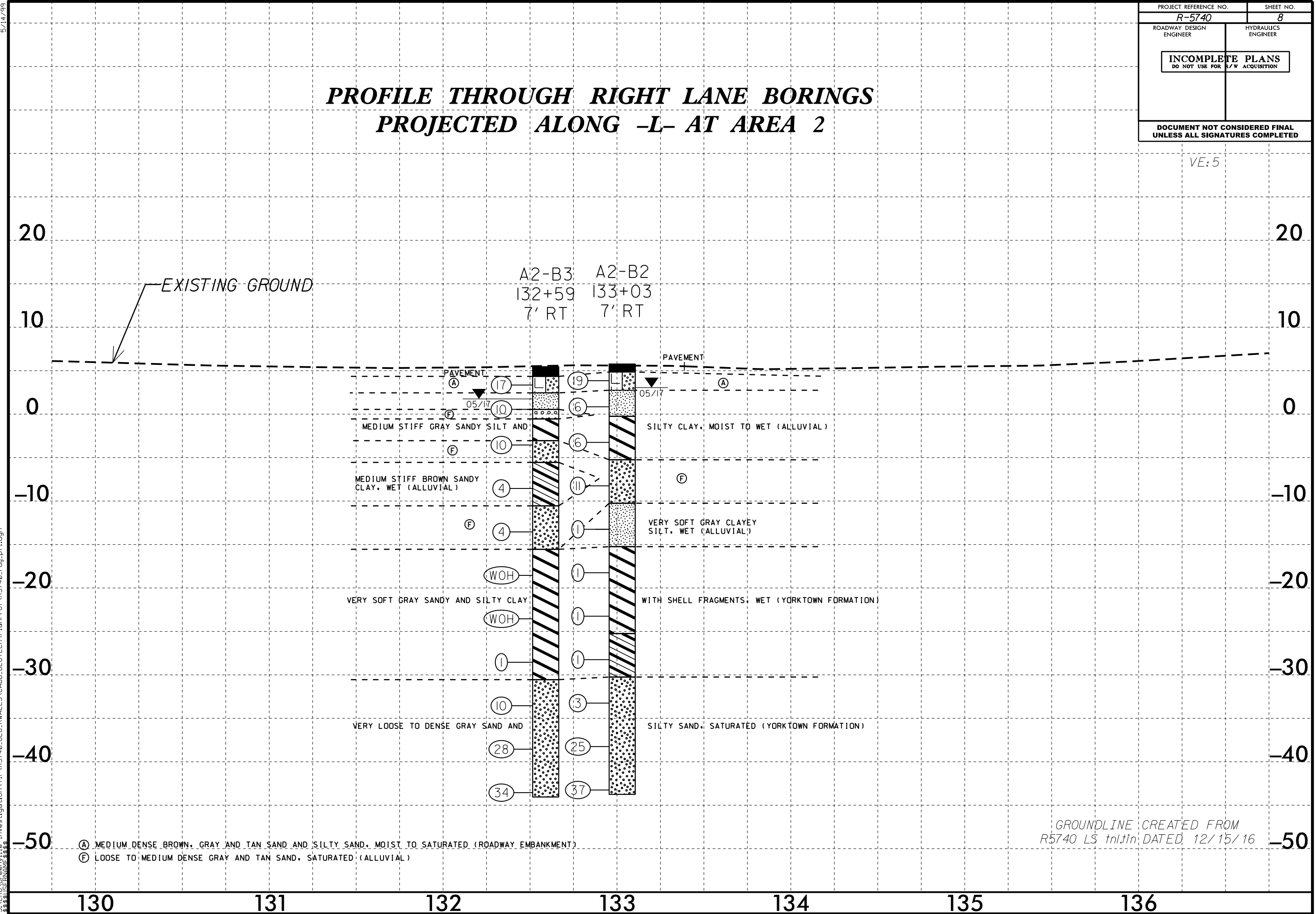
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 \$\$\$\$ ENDVIEW \$\$\$

PROFILE THROUGH RIGHT LANE BORINGS PROJECTED ALONG -L- AT AREA 2

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GEOTECHNICAL BORING REPORT BORE LOG

WBS 50198.1.1		TIP R-5740		COUNTY PERQUIMANS		GEOLOGIST Cornette, CJ									
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK							GROUND WTR (ft)								
BORING NO. A1-B1		STATION 79+62		OFFSET 7 ft LT		ALIGNMENT -L-									
COLLAR ELEV. 6.6 ft		TOTAL DEPTH 49.4 ft		NORTHING 893,117		EASTING 2,792,073									
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic										
DRILLER Smith, R. E.		START DATE 05/02/17		COMP. DATE 05/02/17		SURFACE WATER DEPTH N/A									
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
10															
5	5.6	1.0	15	19	19									6.6	GROUND SURFACE 0.0
														5.6	PAVEMENT 1.0
	2.7	3.9	3	2	1									0.6	ROADWAY EMBANKMENT GRAY AND TAN SAND, MOIST TO SATURATED
0	-1.3	7.9	WOH	WOH	3									-2.3	ALLUVIAL BROWN SILTY CLAY WITH LITTLE ORGANIC MATERIAL, WET
-5	-6.3	12.9	6	7	5									-4.4	BROWN SAND WITH LITTLE ORGANIC MATERIAL, SATURATED
-10	-11.3	17.9	4	2	2									-9.4	GRAY SANDY SILT, WET
-15	-16.3	22.9	WOH	WOH	WOH									-14.4	COASTAL PLAIN GRAY SILTY CLAY WITH SHELL FRAGMENTS, WET (YORKTOWN FORMATION)
-20	-21.3	27.9	WOH	WOH	1										
-25	-26.3	32.9	WOH	WOH	1										
-30	-31.3	37.9	WOH	WOH	1										
-35	-36.3	42.9	WOH	WOH	WOH										
-40	-41.3	47.9	5	7	8									-39.4	COASTAL PLAIN GRAY SAND, SATURATED (YORKTOWN FORMATION)
														-42.8	GRAY SAND, SATURATED (YORKTOWN FORMATION)
															Boring Terminated at Elevation -42.8 ft in Medium Dense Sand

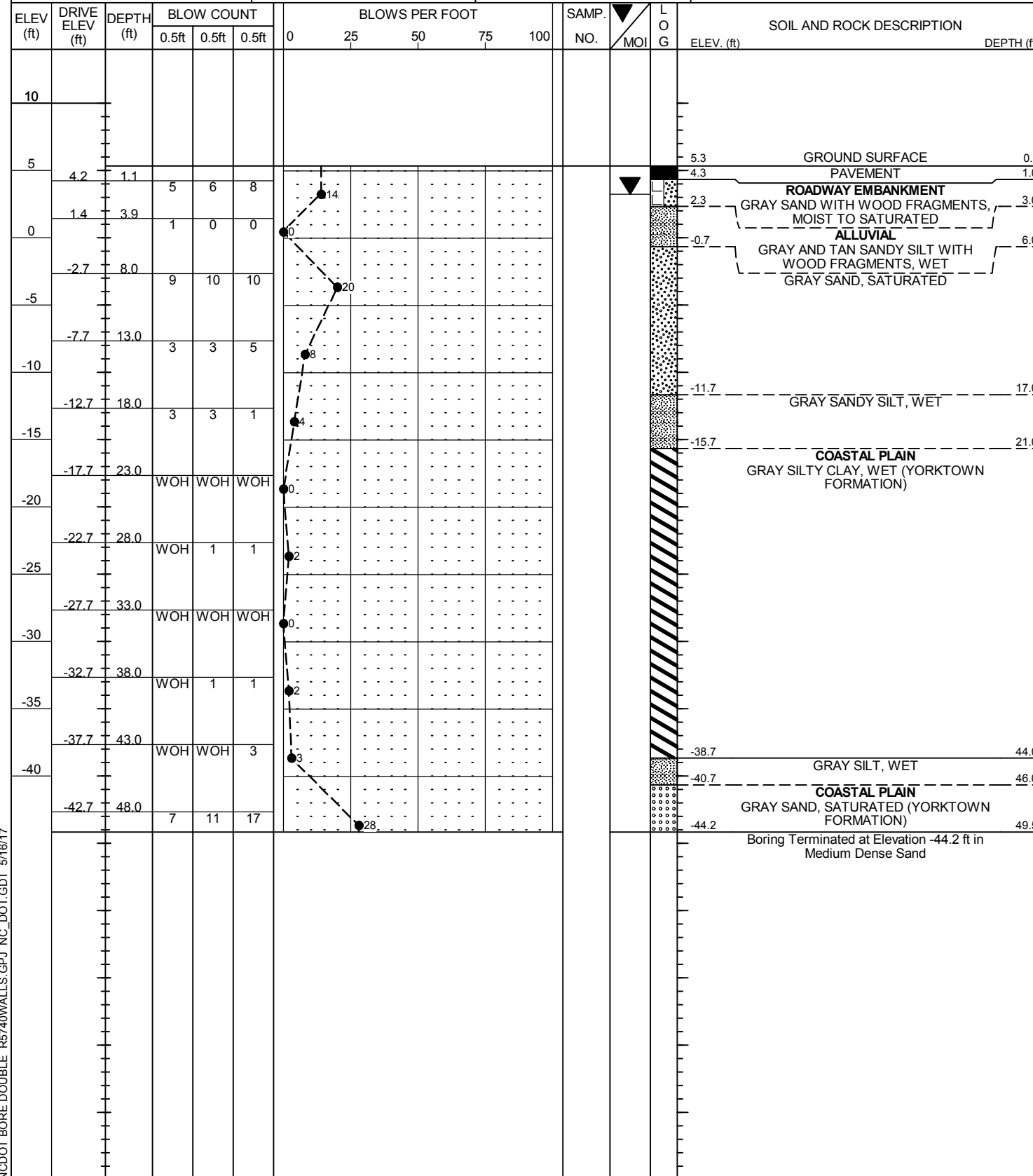
WBS 50198.1.1		TIP R-5740		COUNTY PERQUIMANS		GEOLOGIST Cornette, CJ									
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK							GROUND WTR (ft)								
BORING NO. A1-B2		STATION 80+10		OFFSET 6 ft RT		ALIGNMENT -L-									
COLLAR ELEV. 5.1 ft		TOTAL DEPTH 49.5 ft		NORTHING 893,155		EASTING 2,792,105									
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016			DRILL METHOD Mud Rotary		HAMMER TYPE Automatic										
DRILLER Smith, R. E.		START DATE 05/02/17		COMP. DATE 05/02/17		SURFACE WATER DEPTH N/A									
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
10															
5	4.1	1.0	7	6	8									5.1	GROUND SURFACE 0.0
														2.1	PAVEMENT 1.0
	1.2	3.9	1	0	1									-0.9	ROADWAY EMBANKMENT TAN AND GRAY SAND, MOIST TO SATURATED
0	-2.9	8.0	6	11	10									-2.3	ALLUVIAL GRAY SILTY CLAY WITH LITTLE ORGANIC MATERIAL, WET
-5	-7.9	13.0	7	9	8									-4.4	BROWN SAND WITH LITTLE ORGANIC MATERIAL, SATURATED
-10	-12.9	18.0	3	4	4									-9.4	GRAY SANDY SILT, WET
-15	-17.9	23.0	WOH	WOH	WOH									-14.4	COASTAL PLAIN GRAY SILTY CLAY WITH SHELL FRAGMENTS, WET (YORKTOWN FORMATION)
-20	-22.9	28.0	WOH	WOH	1										
-25	-27.9	33.0	WOH	WOH	WOH										
-30	-32.9	38.0	WOH	1	1										
-35	-37.9	43.0	WOH	WOH	1										
-40	-42.9	48.0	5	12	19									-39.4	COASTAL PLAIN GRAY SAND, SATURATED (YORKTOWN FORMATION)
														-44.4	GRAY SAND, SATURATED (YORKTOWN FORMATION)
															Boring Terminated at Elevation -44.4 ft in Dense Sand

NCDOT BORE DOUBLE R5740WALLS.GPJ NC_DOT.GDT 5/16/17

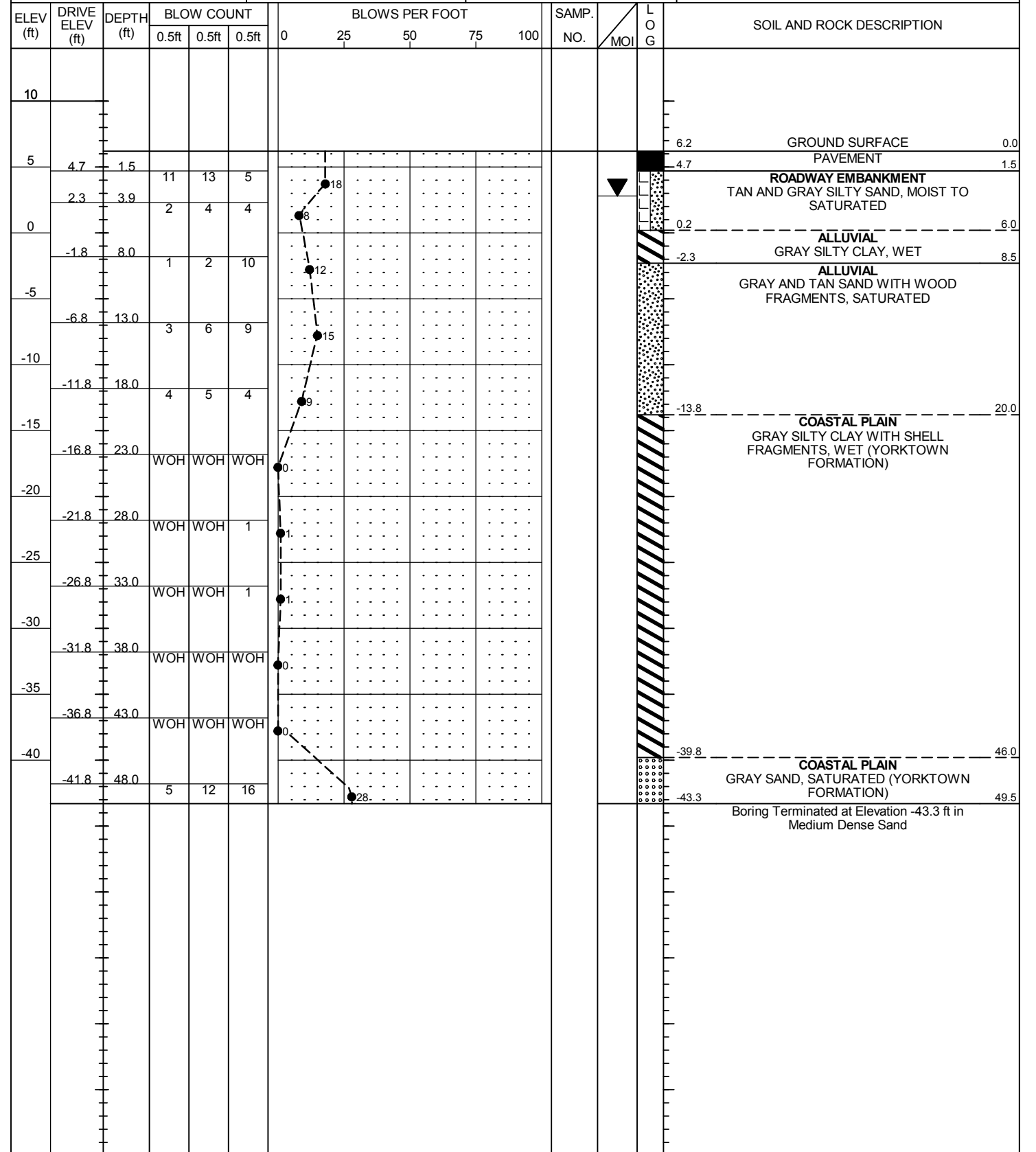
GEOTECHNICAL BORING REPORT

BORE LOG

WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK			GROUND WTR (ft)
BORING NO. A1-B3	STATION 79+51	OFFSET 6 ft RT	ALIGNMENT -L-
COLLAR ELEV. 5.3 ft	TOTAL DEPTH 49.5 ft	NORTHING 893,102	EASTING 2,792,080
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/02/17	COMP. DATE 05/02/17	SURFACE WATER DEPTH N/A



WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK			GROUND WTR (ft)
BORING NO. A1-B4	STATION 80+09	OFFSET 7 ft LT	ALIGNMENT -L-
COLLAR ELEV. 6.2 ft	TOTAL DEPTH 49.5 ft	NORTHING 893,160	EASTING 2,792,093
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/02/17	COMP. DATE 05/02/17	SURFACE WATER DEPTH N/A



NCDOT BORE DOUBLE R5740WALLS.GPJ NC_DOT.GDT 5/16/17

GEOTECHNICAL BORING REPORT

BORE LOG

WBS 50198.1.1		TIP R-5740		COUNTY PERQUIMANS		GEOLOGIST Cornette, CJ	
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK							GROUND WTR (ft)
BORING NO. A1-B5		STATION 80+11		OFFSET 13 ft RT		ALIGNMENT -L-	
COLLAR ELEV. 3.9 ft		TOTAL DEPTH 6.0 ft		NORTHING 893,152		EASTING 2,792,112	
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger		HAMMER TYPE N/A			
DRILLER Smith, R. E.		START DATE 05/03/17		COMP. DATE 05/03/17		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	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
5																
0																

GROUND SURFACE 0.0

ROADWAY EMBANKMENT 3.9

LOOSE BROWN SAND, MOIST 1.9

ALLUVIAL 1.4

SOFT GRAY AND BROWN SILTY CLAY, MOIST -0.6

LOOSE GRAY SAND, MOIST -2.1

SOFT GRAY SILTY CLAY WITH WOOD FRAGMENTS, WET

Boring Terminated at Elevation -2.1 ft in Very Soft Silty Clay

WBS 50198.1.1		TIP R-5740		COUNTY PERQUIMANS		GEOLOGIST Cornette, CJ	
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 1 OVER DEEP CREEK							GROUND WTR (ft)
BORING NO. A1-B6		STATION 80+13		OFFSET 36 ft LT		ALIGNMENT -L-	
COLLAR ELEV. 5.1 ft		TOTAL DEPTH 6.0 ft		NORTHING 893,178		EASTING 2,792,070	
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger		HAMMER TYPE N/A			
DRILLER Smith, R. E.		START DATE 05/03/17		COMP. DATE 05/03/17		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	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100						
10																
5																
0																

GROUND SURFACE 0.0

ROADWAY EMBANKMENT 5.1

LOOSE BROWN SAND, MOIST 4.1

ALLUVIAL

SOFT GRAY SILTY CLAY WITH WOOD FRAGMENTS, MOIST TO WET 0.1

SOFT GRAY SILT, WET -0.9

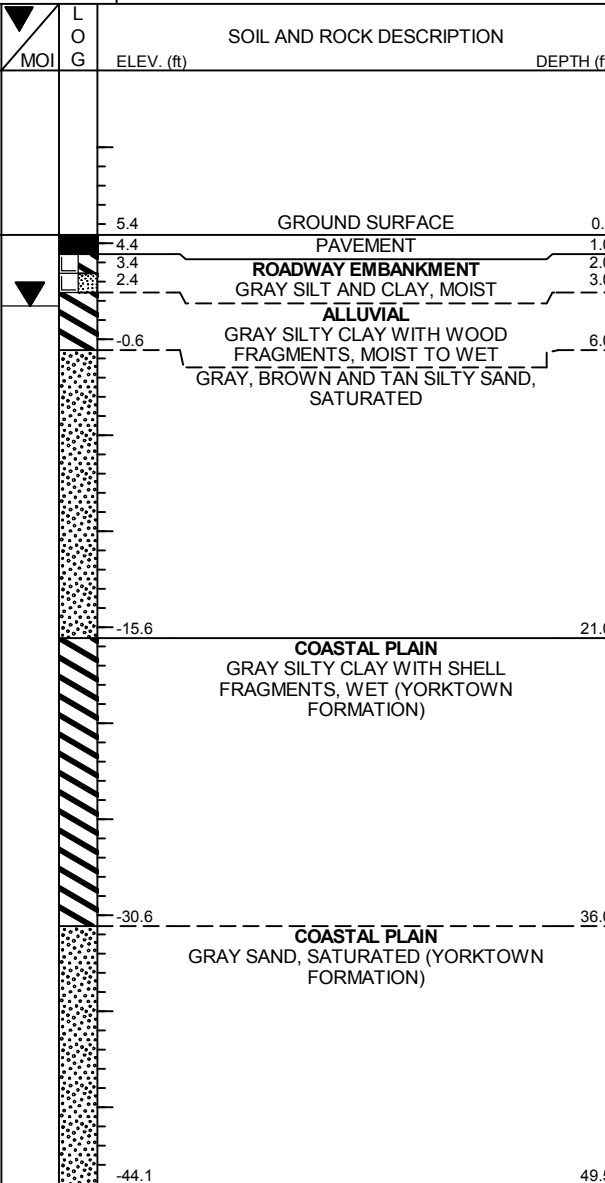
Boring Terminated at Elevation -0.9 ft in Very Soft Silt

GEOTECHNICAL BORING REPORT

BORE LOG

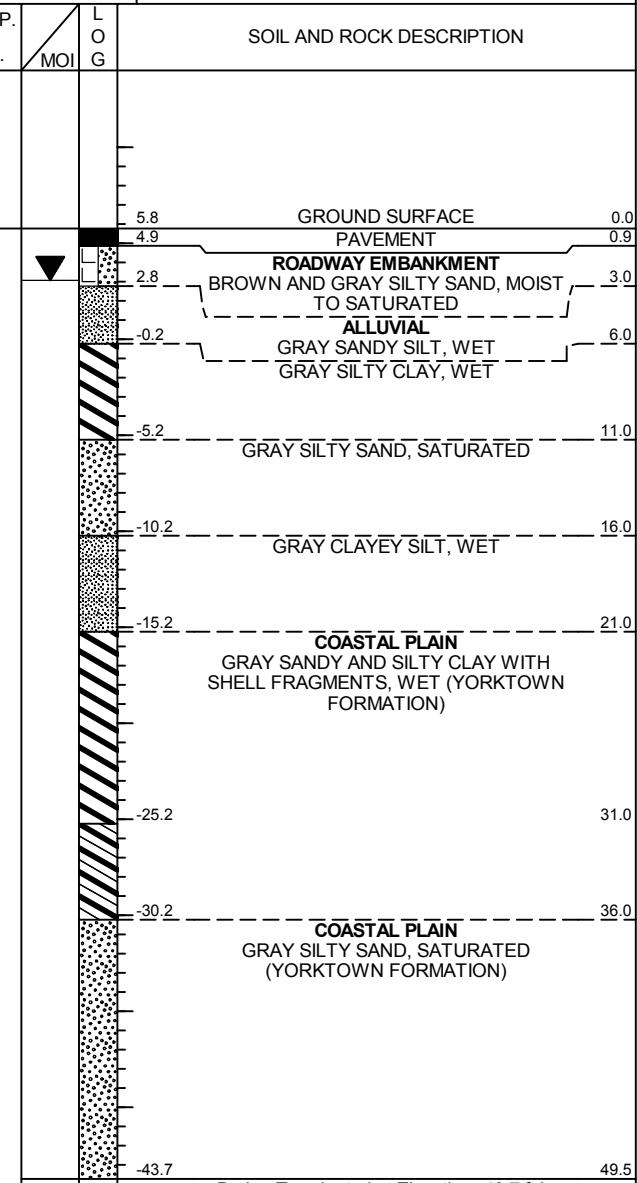
WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 2 OVER MILLS CREEK			GROUND WTR (ft)
BORING NO. A2-B1	STATION 132+69	OFFSET 7 ft LT	ALIGNMENT -L-
COLLAR ELEV. 5.4 ft	TOTAL DEPTH 49.5 ft	NORTHING 897,394	EASTING 2,794,732
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/01/17	COMP. DATE 05/01/17	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
10															
5	4.4	1.0													
			5	7	8										
0	1.5	3.9	1	2	1										
-5	-2.6	8.0	3	6	6										
-10	-7.6	13.0	1	3	3										
-15	-12.6	18.0	1	3	2										
-20	-17.6	23.0	WOH	WOH	WOH										
-25	-22.6	28.0	WOH	WOH	WOH										
-30	-27.6	33.0	WOH	WOH	WOH										
-35	-32.6	38.0	2	8	14										
-40	-37.6	43.0	7	9	12										
-45	-42.6	48.0	10	15	15										



WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 2 OVER MILLS CREEK			GROUND WTR (ft)
BORING NO. A2-B2	STATION 133+03	OFFSET 7 ft RT	ALIGNMENT -L-
COLLAR ELEV. 5.8 ft	TOTAL DEPTH 49.5 ft	NORTHING 897,421	EASTING 2,794,759
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/02/17	COMP. DATE 05/02/17	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100					
10															
5	4.9	0.9													
			10	11	8										
0	1.9	3.9	4	3	3										
-5	-2.2	8.0	2	2	4										
-10	-7.2	13.0	3	5	6										
-15	-12.2	18.0	2	1	0										
-20	-17.2	23.0	WOH	WOH	1										
-25	-22.2	28.0	WOH	WOH	1										
-30	-27.2	33.0	WOH	WOH	1										
-35	-32.2	38.0	1	1	2										
-40	-37.2	43.0	6	9	16										
-45	-42.2	48.0	9	16	21										



NCDOT BORE DOUBLE R5740WALLS.GPJ NC_DOT.GDT 5/16/17

GEOTECHNICAL BORING REPORT

BORE LOG

WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 2 OVER MILLS CREEK			GROUND WTR (ft)
BORING NO. A2-B3	STATION 132+59	OFFSET 7 ft RT	ALIGNMENT -L-
COLLAR ELEV. 5.5 ft	TOTAL DEPTH 49.5 ft	NORTHING 897,380	EASTING 2,794,741
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/01/17	COMP. DATE 05/01/17	SURFACE WATER DEPTH N/A

WBS 50198.1.1	TIP R-5740	COUNTY PERQUIMANS	GEOLOGIST Cornette, CJ
SITE DESCRIPTION PROPOSED RETAINING WALLS ON -L- (SR 1329) AT AREA 2 OVER MILLS CREEK			GROUND WTR (ft)
BORING NO. A2-B4	STATION 133+09	OFFSET 6 ft LT	ALIGNMENT -L-
COLLAR ELEV. 5.5 ft	TOTAL DEPTH 49.5 ft	NORTHING 897,431	EASTING 2,794,749
DRILL RIG/HAMMER EFF./DATE GFO0075 CME-45C 83% 04/11/2016		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER Smith, R. E.	START DATE 05/01/17	COMP. DATE 05/01/17	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
10																
5	4.4	1.1		6	7	10										
	1.6	3.9		4	6	4										
0				1	5	5										
	-2.5	8.0														
-5				1	1	3										
	-7.5	13.0														
-10				2	2	2										
	-12.5	18.0														
-15				WOH	WOH	WOH										
	-17.5	23.0														
-20				WOH	WOH	WOH										
	-22.5	28.0														
-25				WOH	WOH	1										
	-27.5	33.0														
-30				3	3	7										
	-32.5	38.0														
-35				8	13	15										
	-37.5	43.0														
-40				11	15	19										
	-42.5	48.0														

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
10																
5	4.1	1.4		4	6	4										
	1.6	3.9		7	3	3										
0				2	3	4										
	-2.5	8.0														
-5				4	9	6										
	-7.5	13.0														
-10				3	2	2										
	-12.5	18.0														
-15				WOH	WOH	WOH										
	-17.5	23.0														
-20				WOH	WOH	1										
	-22.5	28.0														
-25				WOH	WOH	WOH										
	-27.5	33.0														
-30				2	5	7										
	-32.5	38.0														
-35				7	11	17										
	-37.5	43.0														
-40				12	17	24										
	-42.5	48.0														

NCDOT BORE DOUBLE R5740WALLS.GPJ NC_DOT.GDT 5/16/17

Boring Terminated at Elevation -44.0 ft in Dense Silty Sand

Boring Terminated at Elevation -44.0 ft in Dense Silty Sand