

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SF-760140	1	17

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

STRUCTURE
SUBSURFACE INVESTIGATION

COUNTY RICHMOND
 PROJECT DESCRIPTION BRIDGE NO. 760140 ON SR 1971
(SANDHILL ROAD) OVER SOLOMONS CREEK

CONTENTS

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REFERENCE:

PROJECT: BP8.R013

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 1919 T07-6850. 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

PLUMMER, K. R.

DUGGINS, W. T.

TANNER, M.

INVESTIGATED BY PLUMMER, K. R.

DS DRAWN BY FIELDS, W. D.

AFR CHECKED BY RIGGS, A.F.

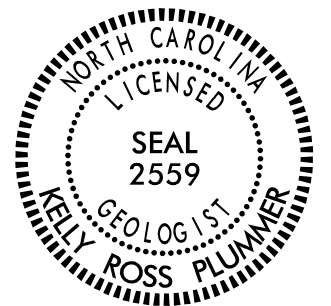
SUBMITTED BY PLUMMER, K.R.

DATE APRIL 2022

Prepared in the Office of:

Terracon
Consulting Engineers and Scientists

2401 BRENTWOOD ROAD, SUITE 107
 RALEIGH, NORTH CAROLINA 27604
 NC REGISTERED ENGINEERING FIRM: F-0869
 NC REGISTERED GEOLOGIC FIRM: C-367



DocuSigned by:

Kelly R. Plummer 5/19/2022

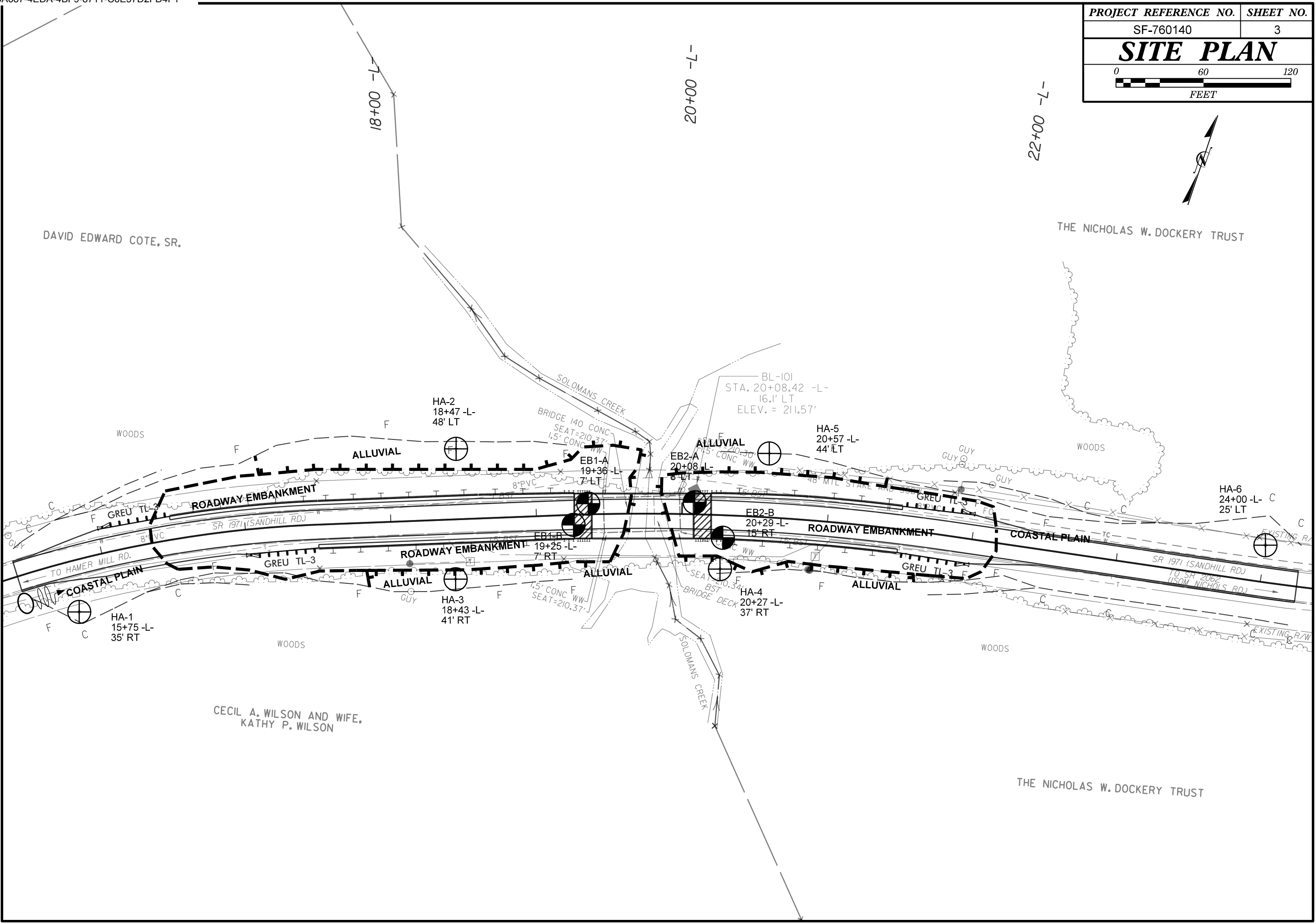
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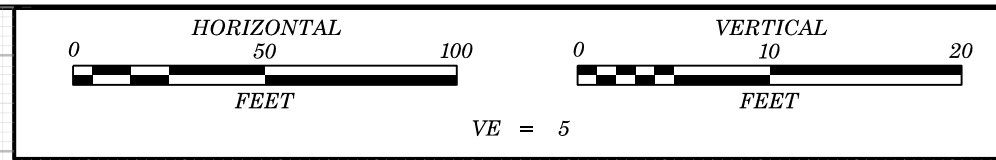
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS GEOTECHNICAL ENGINEERING UNIT SUBSURFACE INVESTIGATION SOIL AND ROCK LEGEND, TERMS, SYMBOLS, AND ABBREVIATIONS

Main content table with columns: SOIL DESCRIPTION, GRADATION, ROCK DESCRIPTION, TERMS AND DEFINITIONS, CONSISTENCY OR DENSENESS, TEXTURE OR GRAIN SIZE, SOIL MOISTURE - CORRELATION OF TERMS, PLASTICITY, COLOR, MISCELLANEOUS SYMBOLS, RECOMMENDATION SYMBOLS, ABBREVIATIONS, EQUIPMENT USED ON SUBJECT PROJECT, ROCK HARDNESS, FRACTURE SPACING, BEDDING, INDURATION.

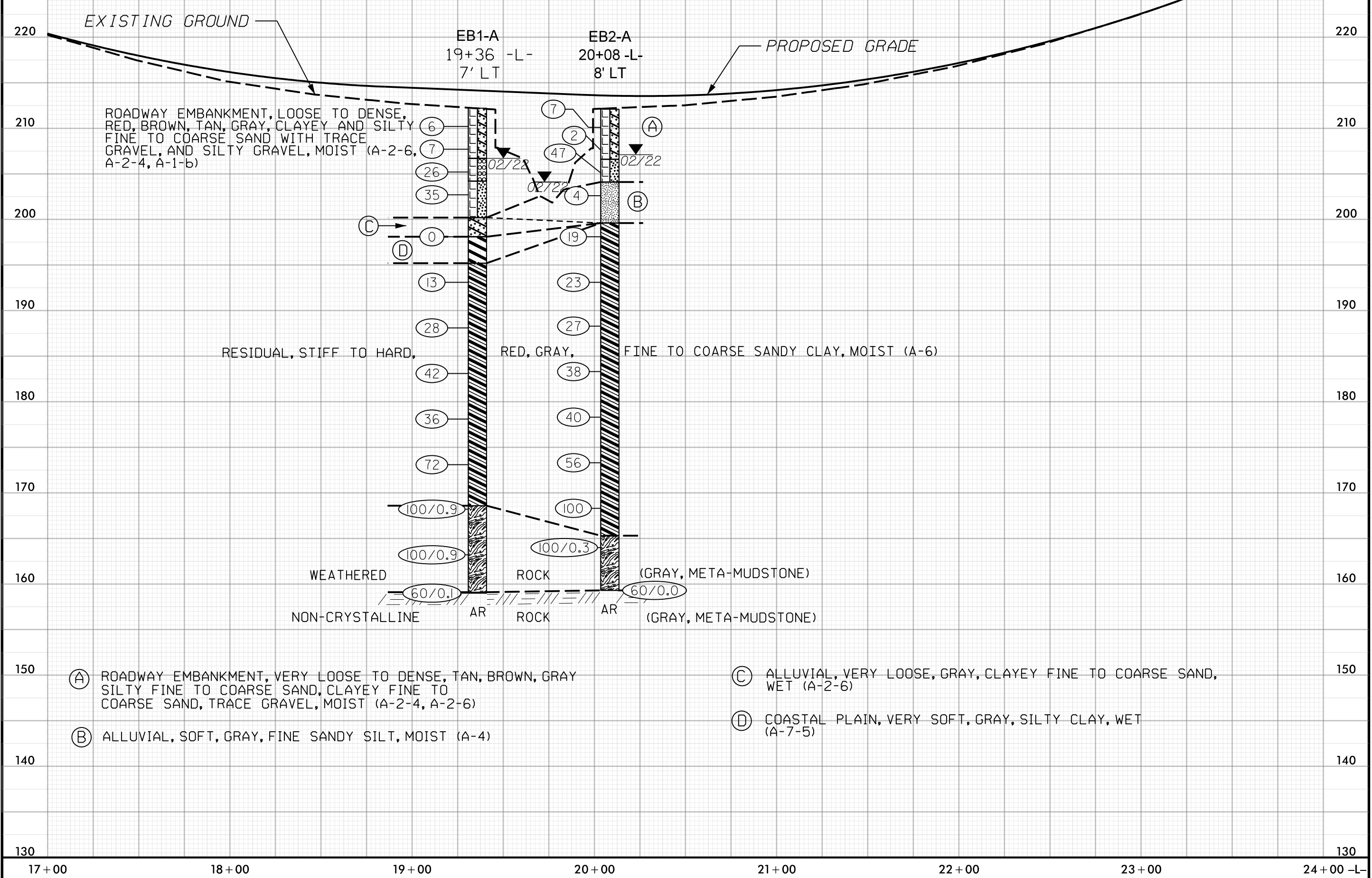
PROJECT REFERENCE NO.	SHEET NO.
SF-760140	3
SITE PLAN	
 0 60 120 FEET	

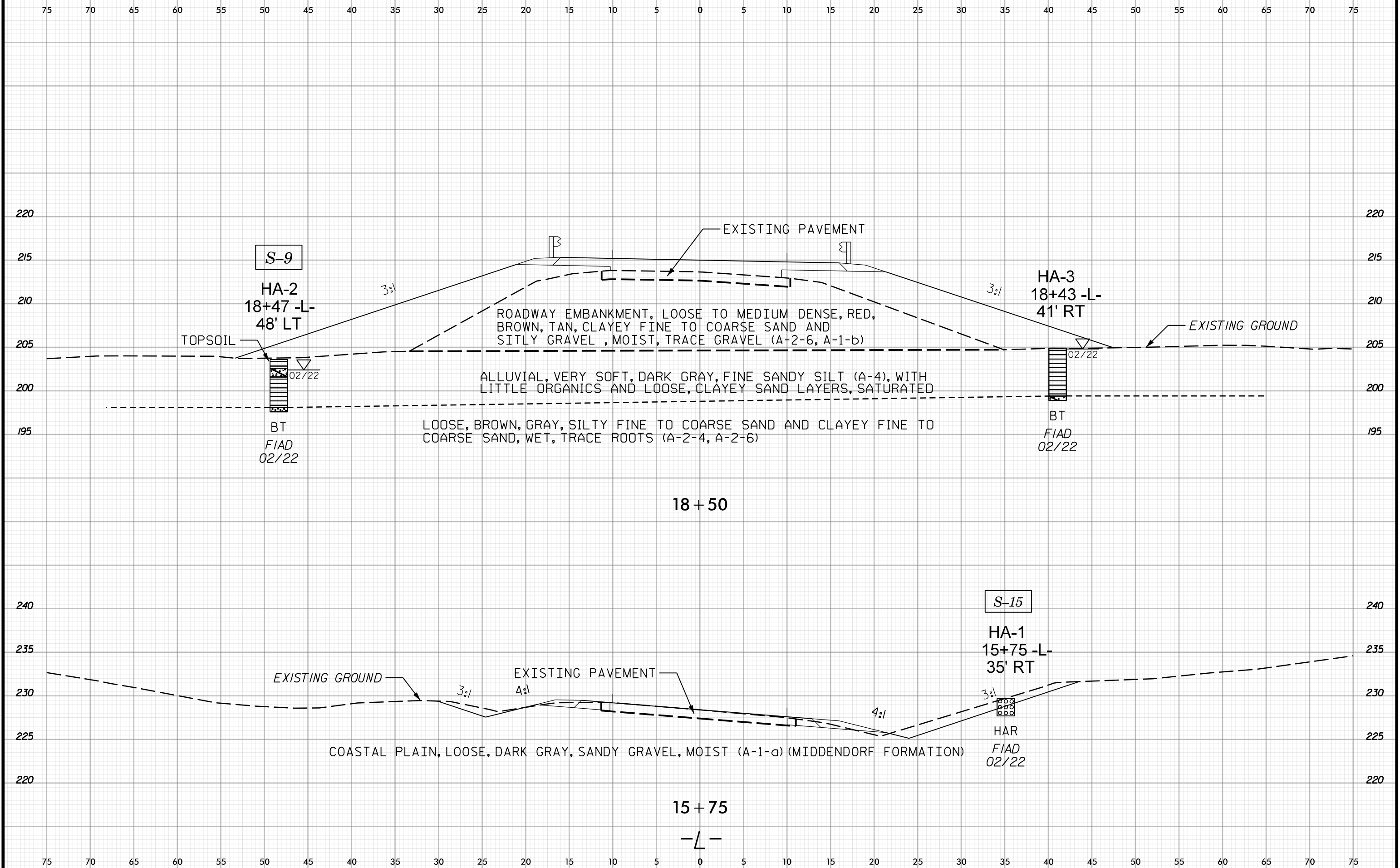
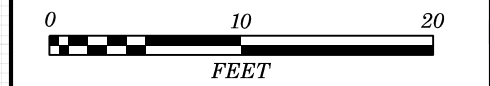


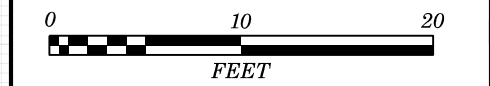
NOTE: INFERRED STRATIGRAPHY IS DRAWN THROUGH THE BORINGS WITH BOTH PROJECTED ON TO THE EXISTING GROUND PROFILE ALONG THE CENTERLINE OF -L- TAKEN FROM THE PROVIDED PROJECT TIN FILE (760140_ls_tin.tin) DATED: 08/09/2021.



PROJECT REFERENCE NO.	SHEET NO.
SF-760140	4
CENTERLINE PROFILE ALONG -L- AT BRIDGE NO. 760140	





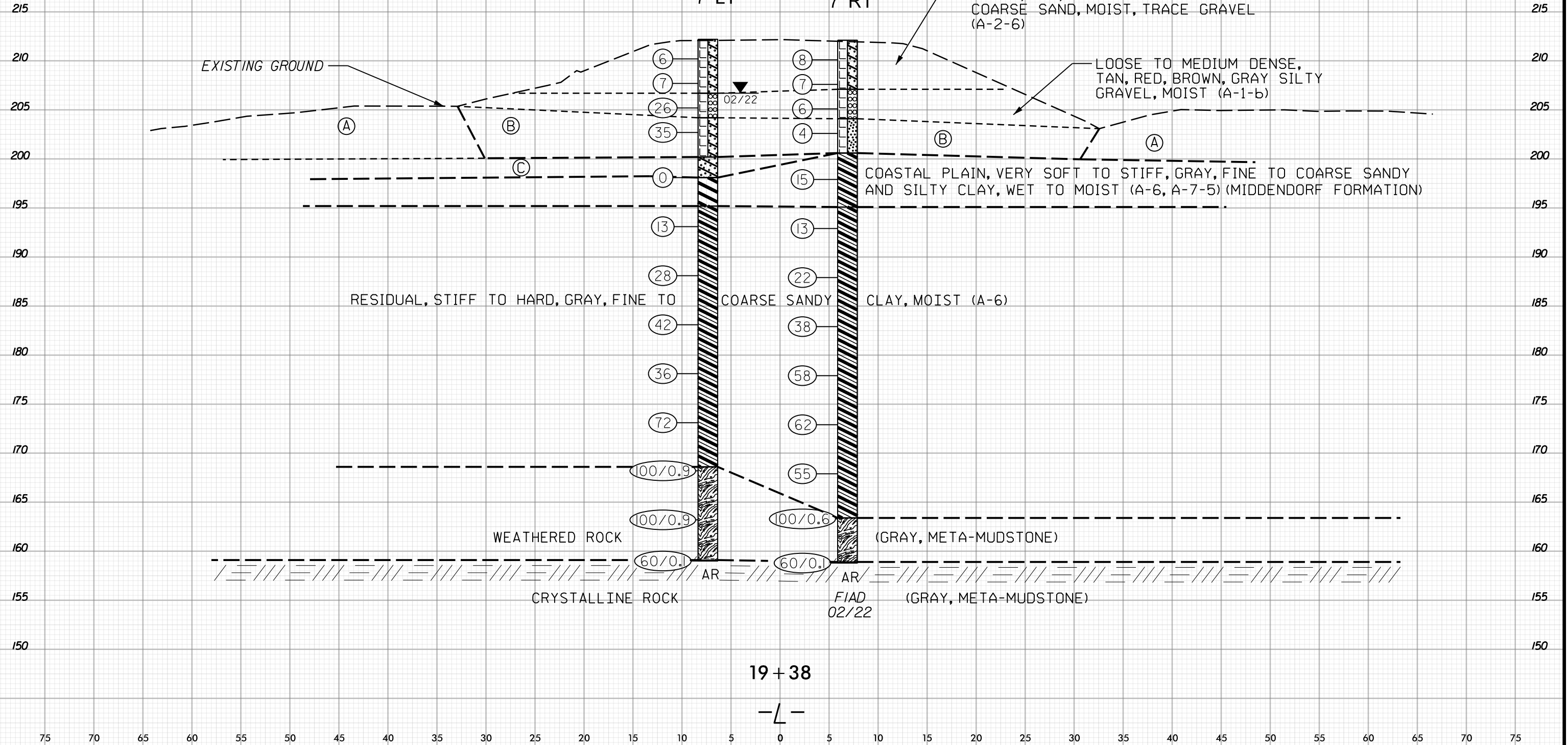


- (A) ALLUVIAL, VERY SOFT, DARK GRAY, CLAYEY SILT, SATURATED (A-4) WITH LITTLE ORGANICS AND CLAYEY SAND LAYERS
- (B) ROADWAY EMBANKMENT LOOSE TO DENSE, GRAY, TAN, SILTY FINE TO COARSE SAND, MOIST TO SATURATED, TRACE GRAVEL (A-2-4)
- (C) ALLUVIAL, VERY LOOSE, GRAY, CLAYEY FINE TO COARSE SAND, WET (A-2-6)

SS-38

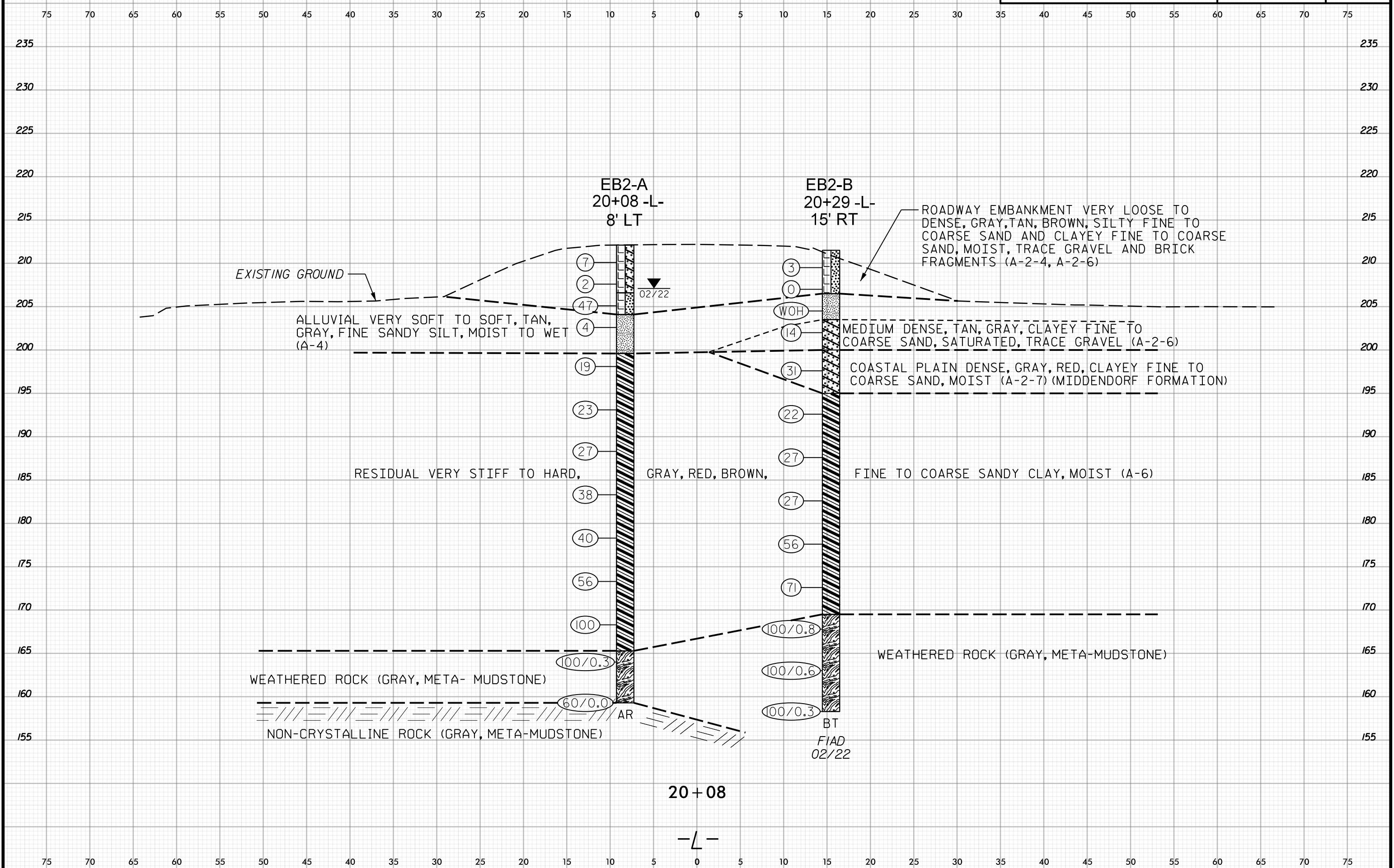
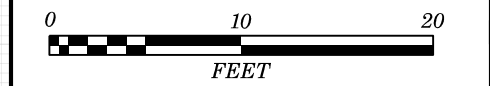
EB1-A
19+36 -L-
7' LT

EB1-B
19+25 -L-
7' RT



19+38

-L-



EB2-A
20+08 -L-
8' LT

EB2-B
20+29 -L-
15' RT

EXISTING GROUND

ALLUVIAL VERY SOFT TO SOFT, TAN, GRAY, FINE SANDY SILT, MOIST TO WET (A-4)

ROADWAY EMBANKMENT VERY LOOSE TO DENSE, GRAY, TAN, BROWN, SILTY FINE TO COARSE SAND AND CLAYEY FINE TO COARSE SAND, MOIST, TRACE GRAVEL AND BRICK FRAGMENTS (A-2-4, A-2-6)

MEDIUM DENSE, TAN, GRAY, CLAYEY FINE TO COARSE SAND, SATURATED, TRACE GRAVEL (A-2-6)

COASTAL PLAIN DENSE, GRAY, RED, CLAYEY FINE TO COARSE SAND, MOIST (A-2-7) (MIDDENDORF FORMATION)

RESIDUAL VERY STIFF TO HARD,

GRAY, RED, BROWN,

FINE TO COARSE SANDY CLAY, MOIST (A-6)

WEATHERED ROCK (GRAY, META- MUDSTONE)

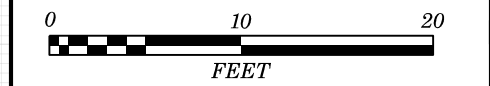
WEATHERED ROCK (GRAY, META-MUDSTONE)

NON-CRYSTALLINE ROCK (GRAY, META-MUDSTONE)

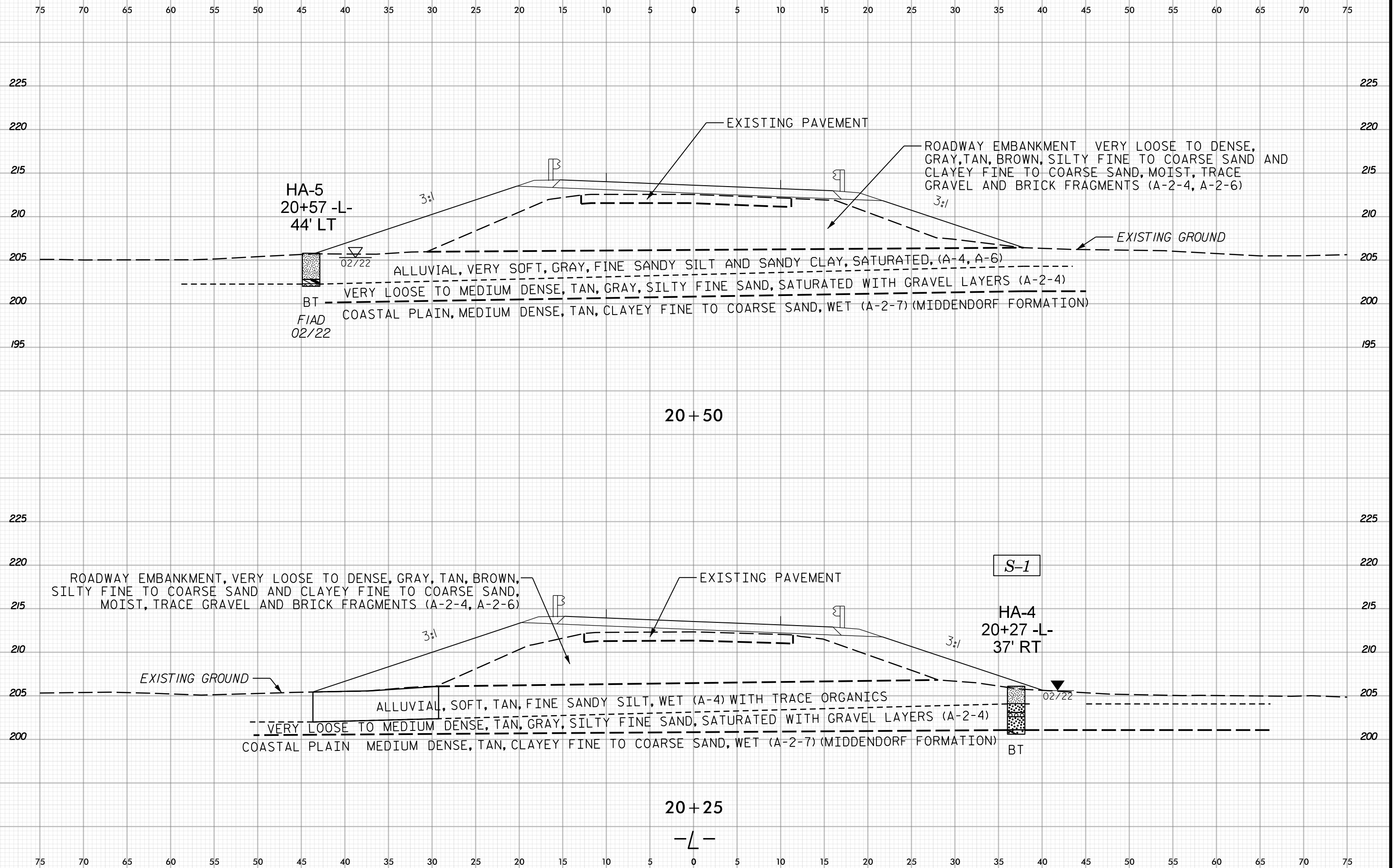
20 + 08

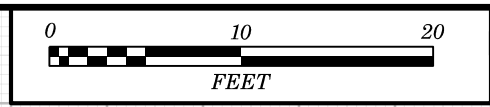
BT
FIAD
02/22

-L-

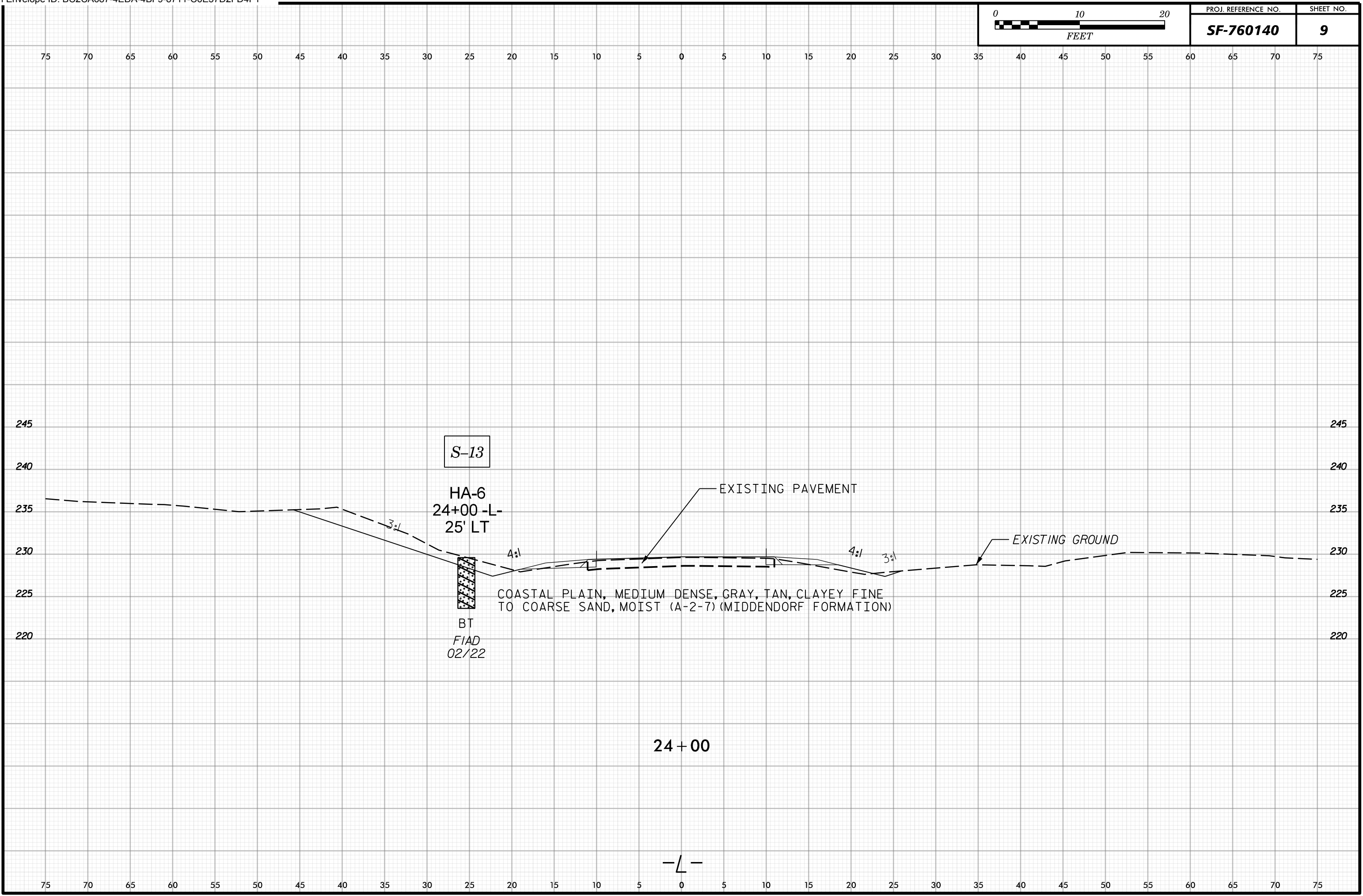


PROJ. REFERENCE NO.	SHEET NO.
SF-760140	8



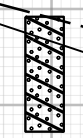


PROJ. REFERENCE NO.	SHEET NO.
SF-760140	9



S-13

HA-6
24+00 -L-
25' LT



BT
FIAD
02/22

COASTAL PLAIN, MEDIUM DENSE, GRAY, TAN, CLAYEY FINE TO COARSE SAND, MOIST (A-2-7) (MIDDENDORF FORMATION)

EXISTING PAVEMENT

EXISTING GROUND

24+00

-L-



GEOTECHNICAL BORING REPORT BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. HA-1	STATION 15+75	OFFSET 35 ft RT	ALIGNMENT -L-
COLLAR ELEV. 229.7 ft	TOTAL DEPTH 2.0 ft	NORTHING 413,624	EASTING 1,758,327
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger	HAMMER TYPE N/A
DRILLER N/A	START DATE 02/10/22	COMP. DATE 02/10/22	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							
230															229.7	GROUND SURFACE	0.0
															227.7	COASTAL PLAIN LOOSE, DARK GRAY, SANDY GRAVEL, MOIST (A-1-a) (MIDDENDORF FORMATION)	2.0
																Boring Terminated by hand auger refusal at Elevation 227.7 ft IN COASTAL PLAIN, SILTY GRAVEL (MIDDENDORF FORMATION)	

NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT.GDT 4/8/22

GEOTECHNICAL BORING REPORT BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. HA-2	STATION 18+47	OFFSET 48 ft LT	ALIGNMENT -L-
COLLAR ELEV. 203.6 ft	TOTAL DEPTH 6.0 ft	NORTHING 413,812	EASTING 1,758,537
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger	HAMMER TYPE N/A
DRILLER N/A	START DATE 02/09/22	COMP. DATE 02/09/22	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							
205															203.6	GROUND SURFACE	0.0
															202.6	TOPSOIL, MOIST	1.0
															201.6	ALLUVIAL LOOSE, BROWN, CLAYEY FINE TO COARSE SAND, WET, WITH LITTLE ORGANICS (A-2-6)	2.0
200															198.1	VERY SOFT, DARK GRAY, FINE SANDY SILT (A-4), WITH LITTLE ORGANICS, SATURATED (8.9% ORGANICS)	5.5
															197.6	LOOSE, BROWN, SILTY FINE TO COARSE SAND, TRACE ROOTS (A-2-4)	6.0
																Boring Terminated at Elevation 197.6 ft IN ALLUVIAL, SILTY FINE TO CORSE SAND	

NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT.GDT 4/8/22



GEOTECHNICAL BORING REPORT

BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. HA-3	STATION 18+43	OFFSET 41 ft RT	ALIGNMENT -L-
COLLAR ELEV. 204.9 ft	TOTAL DEPTH 6.0 ft	NORTHING 413,727	EASTING 1,758,565
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger	HAMMER TYPE N/A
DRILLER N/A	START DATE 02/09/22	COMP. DATE 02/09/22	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							
205														▽	204.9	GROUND SURFACE	0.0
200														Sat.			
														W	199.4	5.5	
															198.9	6.0	

ALLUVIAL
 VERY SOFT, DARK GRAY, CLAYEY SILT (A-4) WITH LITTLE ORGANICS, SATURATED

LOOSE, GRAY, CLAYEY FINE TO COARSE SAND, WET (A-2-6)
 Boring Terminated at Elevation 198.9 ft IN ALLUVIAL, CLAYEY FINE TO COARSE SAND

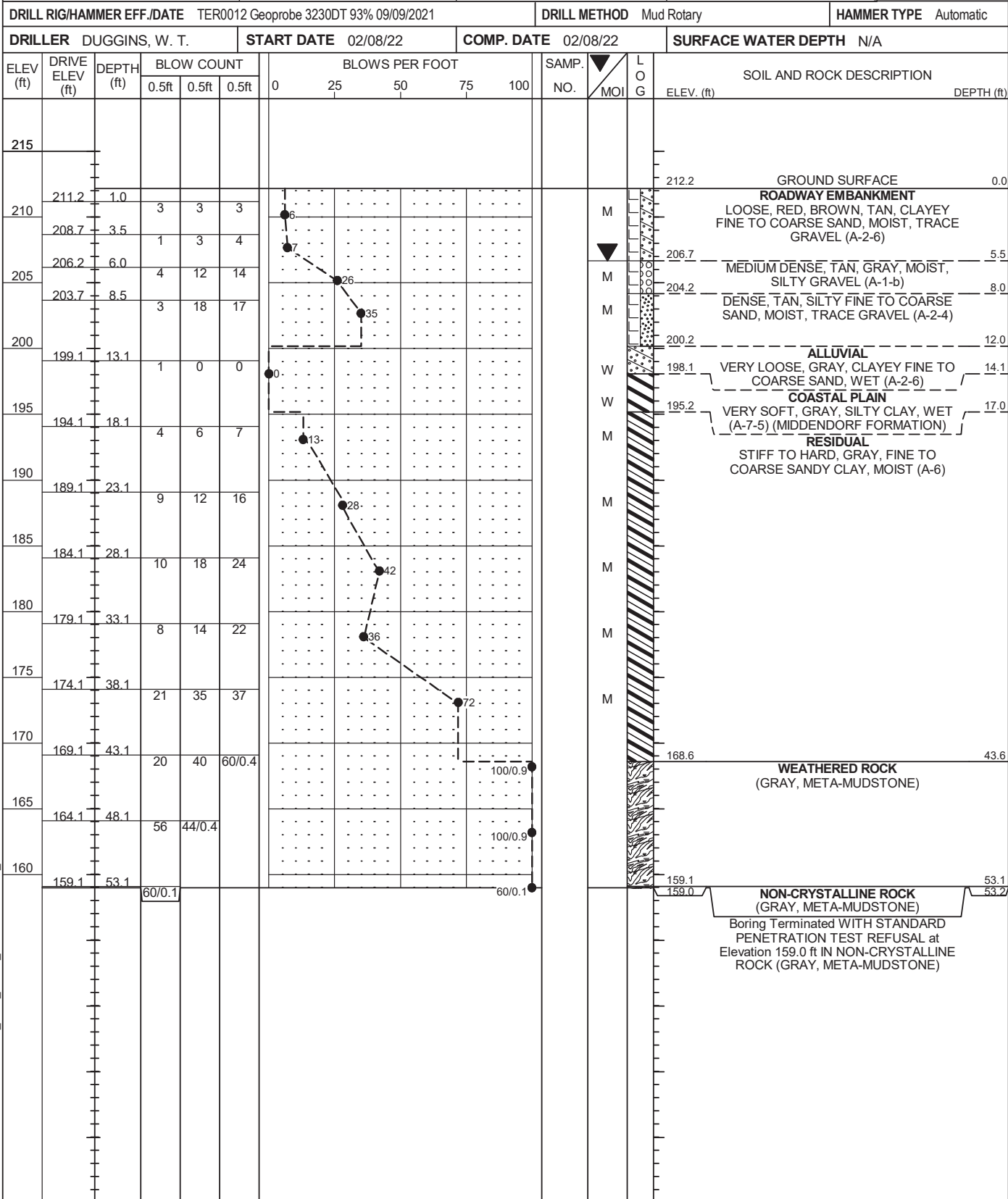
NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT_GDT_4/8/22



GEOTECHNICAL BORING REPORT

BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. EB1-A	STATION 19+36	OFFSET 7 ft LT	ALIGNMENT -L-
COLLAR ELEV. 212.2 ft	TOTAL DEPTH 53.2 ft	NORTHING 413,805	EASTING 1,758,635
DRILL RIG/HAMMER EFF./DATE TER0012 Geoprobe 3230DT 93% 09/09/2021		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER DUGGINS, W. T.	START DATE 02/08/22	COMP. DATE 02/08/22	SURFACE WATER DEPTH N/A

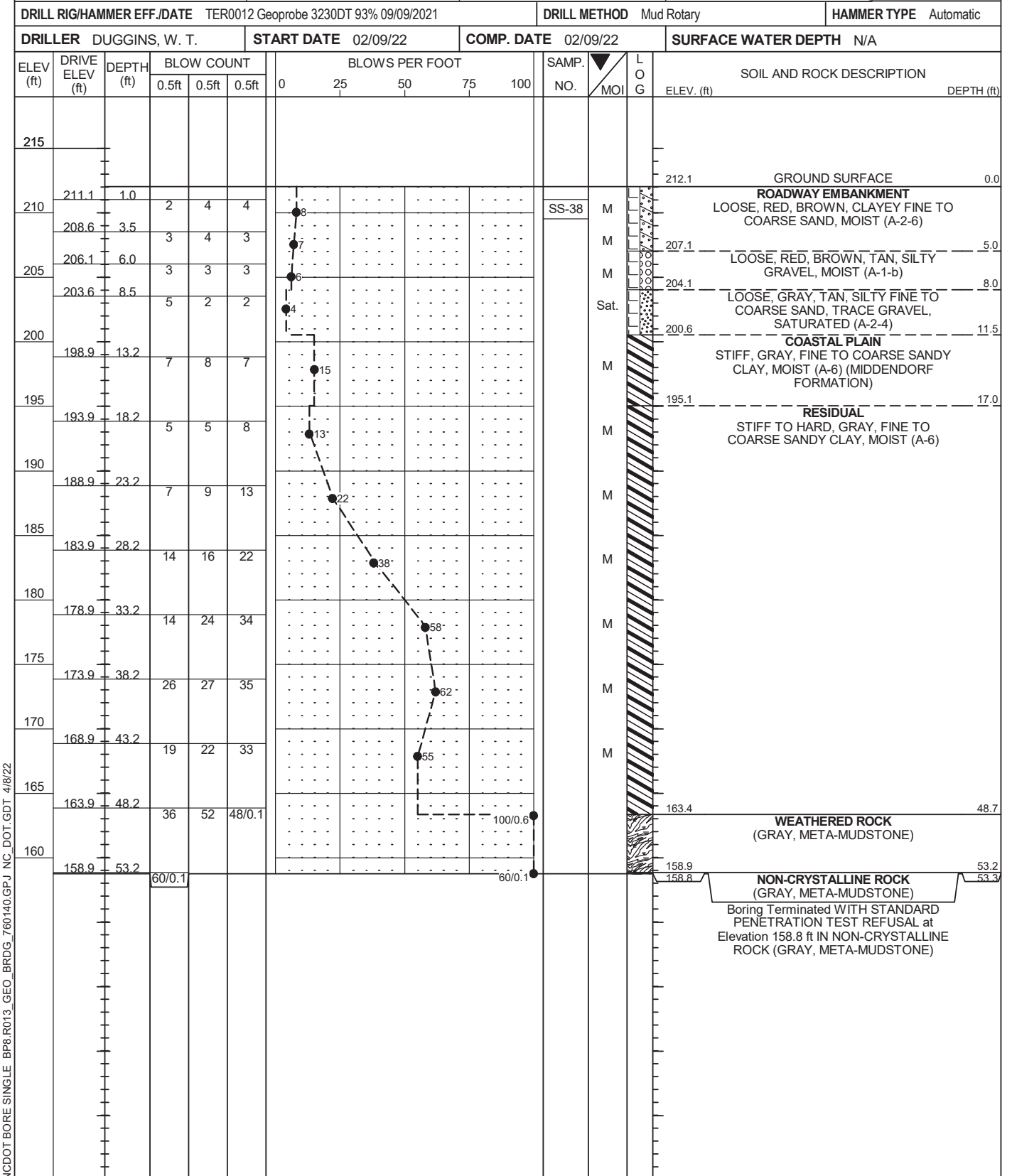


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GEOTECHNICAL BORING REPORT

BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. EB1-B	STATION 19+25	OFFSET 7 ft RT	ALIGNMENT -L-
COLLAR ELEV. 212.1 ft	TOTAL DEPTH 53.3 ft	NORTHING 413,788	EASTING 1,758,630
DRILL RIG/HAMMER EFF./DATE TER0012 Geoprobe 3230DT 93% 09/09/2021		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER DUGGINS, W. T.	START DATE 02/09/22	COMP. DATE 02/09/22	SURFACE WATER DEPTH N/A

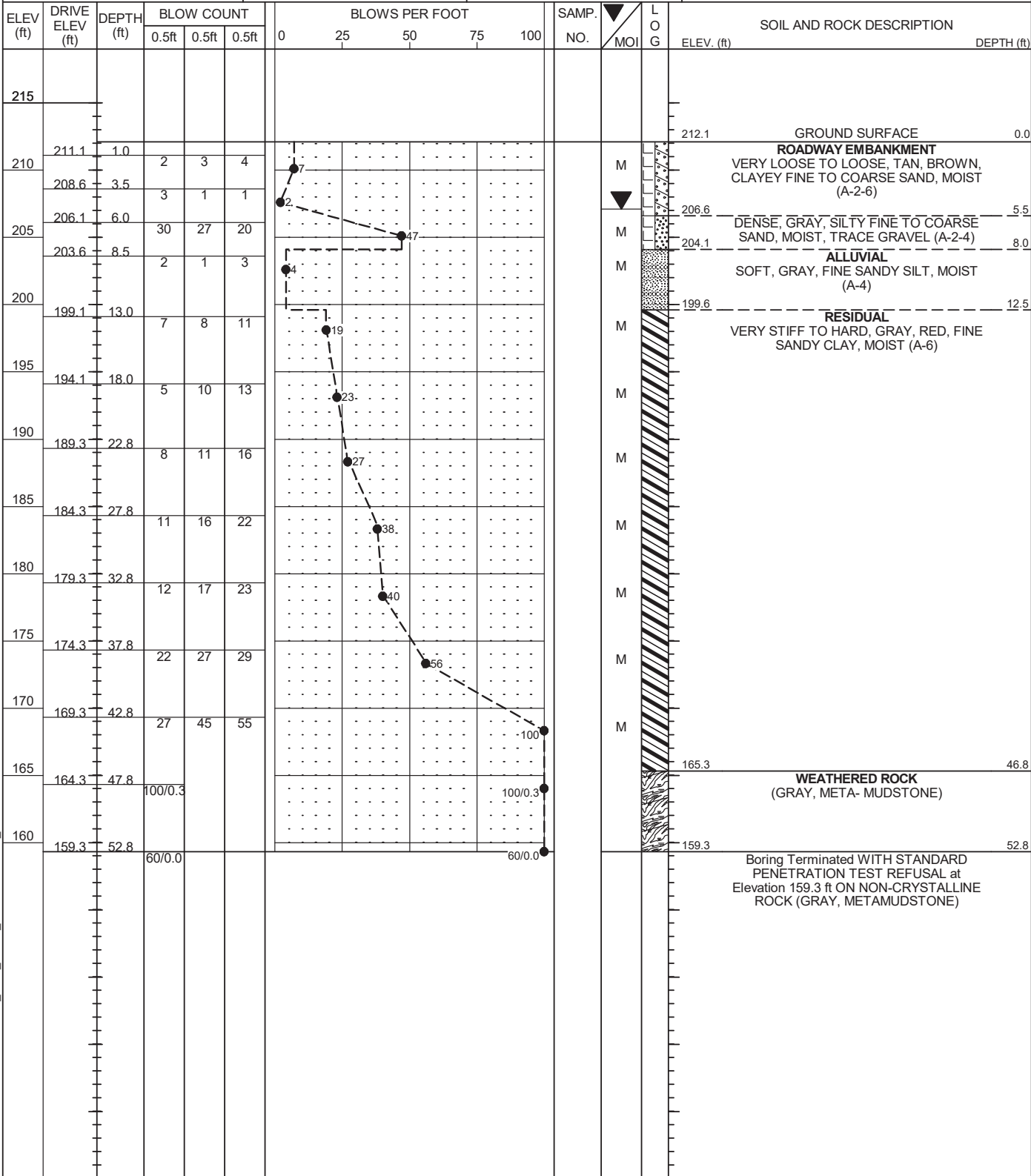


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GEOTECHNICAL BORING REPORT BORE LOG

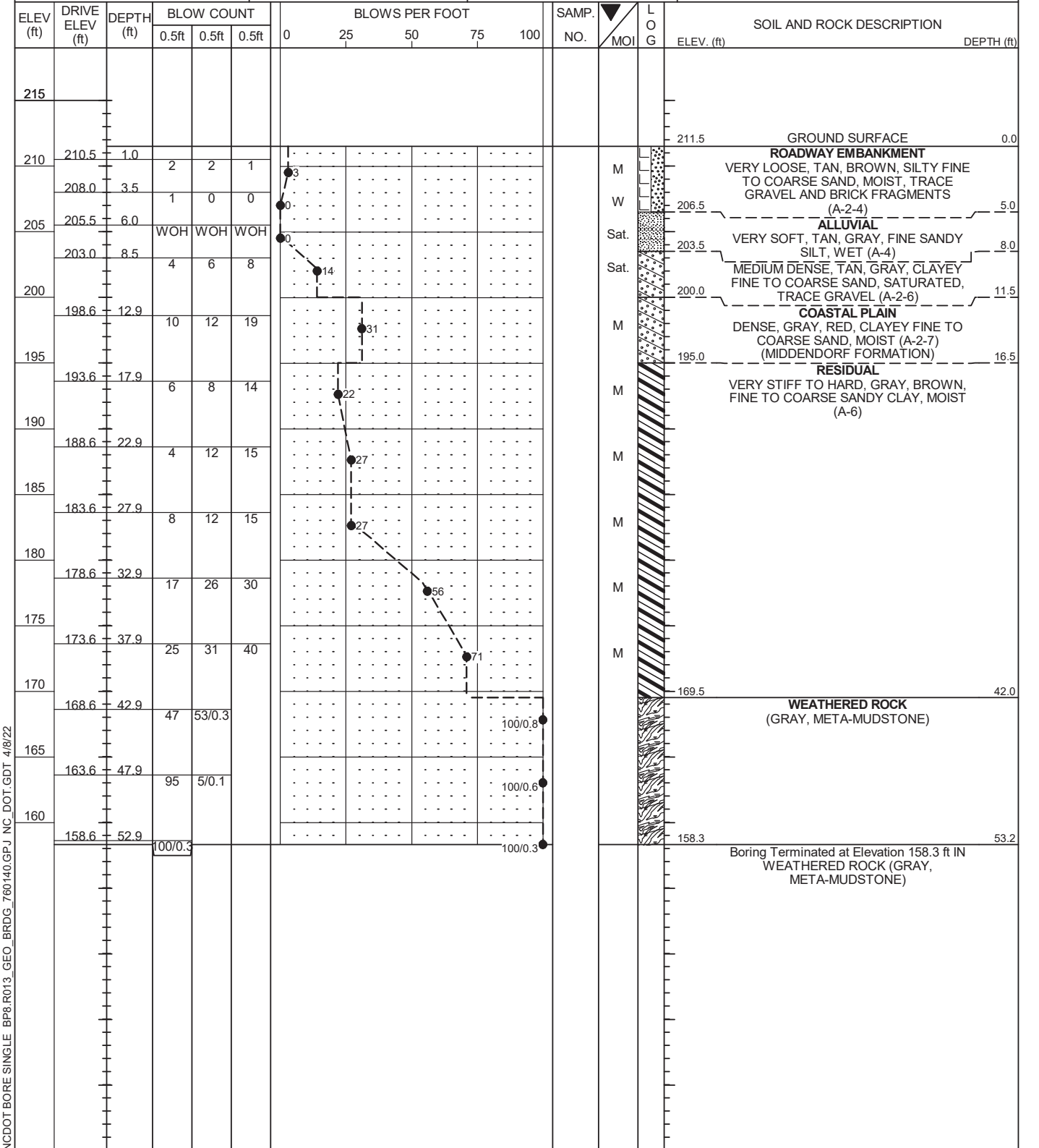
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SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. EB2-A	STATION 20+08	OFFSET 8 ft LT	ALIGNMENT -L-
COLLAR ELEV. 212.1 ft	TOTAL DEPTH 52.8 ft	NORTHING 413,829	EASTING 1,758,704
DRILL RIG/HAMMER EFF./DATE TER0012 Geoprobe 3230DT 93% 09/09/2021		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER DUGGINS, W. T.	START DATE 02/10/22	COMP. DATE 02/10/22	SURFACE WATER DEPTH N/A



NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT.GDT 4/8/22

GEOTECHNICAL BORING REPORT BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. EB2-B	STATION 20+29	OFFSET 15 ft RT	ALIGNMENT -L-
COLLAR ELEV. 211.5 ft	TOTAL DEPTH 53.2 ft	NORTHING 413,812	EASTING 1,758,730
DRILL RIG/HAMMER EFF./DATE TER0012 Geoprobe 3230DT 93% 09/09/2021		DRILL METHOD Mud Rotary	HAMMER TYPE Automatic
DRILLER DUGGINS, W. T.	START DATE 02/08/22	COMP. DATE 02/09/22	SURFACE WATER DEPTH N/A



NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT.GDT 4/8/22



GEOTECHNICAL BORING REPORT BORE LOG

WBS BP8.R013		TIP SF-760140		COUNTY RICHMOND		GEOLOGIST PLUMMER, K.								
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK							GROUND WTR (ft)							
BORING NO. HA-4		STATION 20+27		OFFSET 37 ft RT		ALIGNMENT -L-								
COLLAR ELEV. 206.1 ft		TOTAL DEPTH 5.5 ft		NORTHING 413,791		EASTING 1,758,735								
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger		HAMMER TYPE N/A										
DRILLER N/A		START DATE 02/08/22		COMP. DATE 02/08/22		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					
210														
205														
													GROUND SURFACE	0.0
													ALLUVIAL	
													SOFT, TAN, FINE SANDY SILT, WET (A-4) WITH TRACE ORGANICS	2.0
													VERY LOOSE, TAN, SILTY FINE SAND, SATURATED (A-2-4)	3.0
													LOOSE, TAN, GRAY, SILTY GRAVEL, SATURATED (A-1-b)	3.5
													MEDIUM DENSE, GRAY, TAN, SILTY FINE TO COARSE SAND, TRACE GRAVEL, SATURATED (A-2-4)	5.0
													COASTAL PLAIN	5.5
													MEDIUM DENSE, TAN, CLAYEY FINE TO COARSE SAND, WET (A-2-7) (MIDDENDORF FORMATION)	
													Boring Terminated at Elevation 200.6 ft IN COASTAL PLAIN, CLAYEY FINE TO COARSE SAND (MIDDENDORF FORMATION)	

NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT_GDT 4/8/22

GEOTECHNICAL BORING REPORT BORE LOG

WBS BP8.R013		TIP SF-760140		COUNTY RICHMOND		GEOLOGIST PLUMMER, K.								
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK							GROUND WTR (ft)							
BORING NO. HA-5		STATION 20+57		OFFSET 44 ft LT		ALIGNMENT -L-								
COLLAR ELEV. 205.8 ft		TOTAL DEPTH 3.8 ft		NORTHING 413,877		EASTING 1,758,742								
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger		HAMMER TYPE N/A										
DRILLER N/A		START DATE 02/10/22		COMP. DATE 02/10/22		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					
210														
205														
													GROUND SURFACE	0.0
													ALLUVIAL	
													VERY SOFT, GRAY, FINE SANDY SILT, SATURATED, (A-4)	3.0
													SOFT, GRAY, TAN, FINE SANDY CLAY, WET (A-6)	3.5
													MEDIUM DENSE, GRAY, TAN, CLAYEY GRAVEL, WET (A-1-b)	3.8
													Boring Terminated by hand auger refusal at Elevation 202.0 ft IN ALLUVIAL, CLAYEY GRAVEL	

NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT_GDT 4/8/22



GEOTECHNICAL BORING REPORT

BORE LOG

WBS BP8.R013	TIP SF-760140	COUNTY RICHMOND	GEOLOGIST PLUMMER, K.
SITE DESCRIPTION BRIDGE NO. 760140 ON SR 1971 (SANDHILL RD.) OVER SOLOMONS CREEK			GROUND WTR (ft)
BORING NO. HA-6	STATION 24+00	OFFSET 25 ft LT	ALIGNMENT -L-
COLLAR ELEV. 229.6 ft	TOTAL DEPTH 6.0 ft	NORTHING 413,925	EASTING 1,759,085
DRILL RIG/HAMMER EFF./DATE N/A		DRILL METHOD Hand Auger	HAMMER TYPE N/A
DRILLER N/A	START DATE 02/10/22	COMP. DATE 02/10/22	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						ELEV. (ft)	
230															229.6	GROUND SURFACE	0.0
225												S-13	M M		223.6	COASTAL PLAIN MEDIUM DENSE, GRAY, TAN, CLAYEY FINE TO COARSE SAND, MOIST (A-2-7) (MIDDENDORF FORMATION)	6.0
Boring Terminated at Elevation 223.6 ft IN COASTAL PLAIN, CLAYEY FINE TO COARSE SAND (MIDDENDORF FORMATION)																	

NCDOT BORE SINGLE BP8.R013_GEO_BRDG_760140.GPJ NC_DOT_GDT 4/8/22

SITE PHOTOGRAPHS

BRIDGE NO. 760140 ON SR 1971
(SANDHILL ROAD) OVER SOLOMONS CREEK



LOOKING WEST FROM END BENT 2 TOWARD END BENT 1



LOOKING DOWNSTREAM FROM RIGHT SIDE OF END BENT 2