

PROJECT: 48390

REFERENCE: B-6047

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STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

STRUCTURE

SUBSURFACE INVESTIGATION

COUNTY RUTHERFORD

PROJECT DESCRIPTION REPLACE BRIDGE NO.145

OVER FLOYDS CREEK ON SR 2125 (HARRIS

HENRIETTA ROAD)

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-6047	1	15

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

J. KARDON

J. FREGOSI

T. WELLS

TRIGON EXPLORATION

INVESTIGATED BY J. KARDON

DRAWN BY T. WELLS

CHECKED BY X. BARRETT

SUBMITTED BY KLEINFELDER, INC.

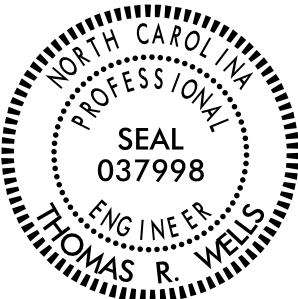
DATE FEBRUARY 2023

Prepared in the Office of:

KLEINFELDER

Bright People. Right Solutions.

422 GALLIMORE DAIRY ROAD, SUITE B
GREENSBORO, NORTH CAROLINA 27409
NC ENGINEERING FIRM LICENSE NO. F-1312



DocuSigned by:

Thomas R. Wells

02/13/2023

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SIGNATURE

DATE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

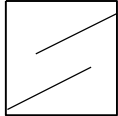
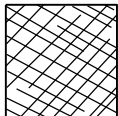
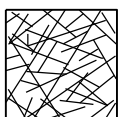
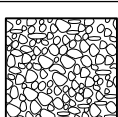
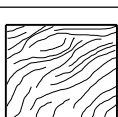
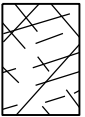
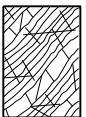
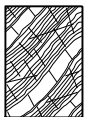
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT

SUBSURFACE INVESTIGATION

SUPPLEMENTAL LEGEND, GEOLOGICAL STRENGTH INDEX (GSI) TABLES
FROM AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

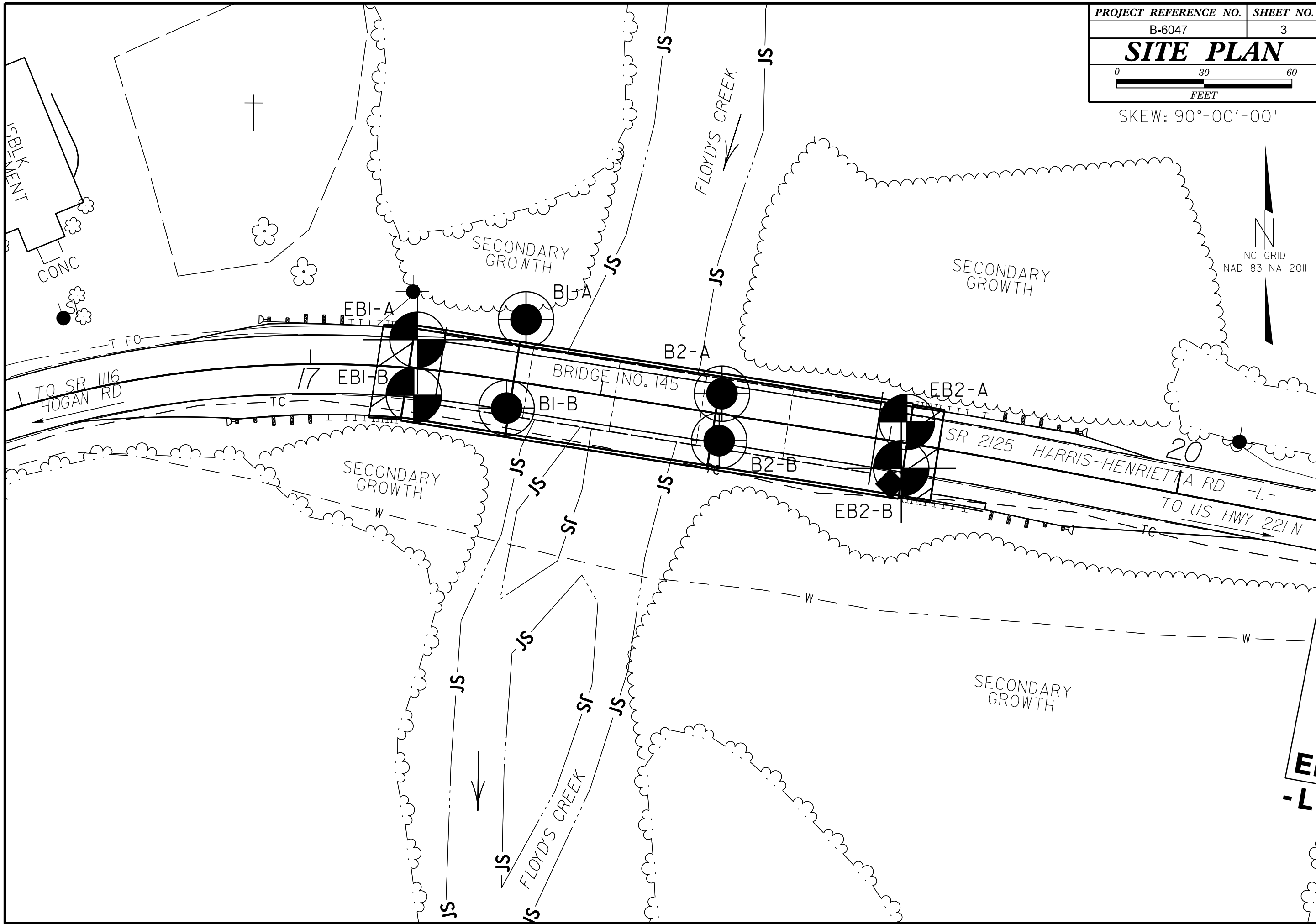
AASHTO LRFD Figure 10.4.6.4-1 — Determination of GSI for Jointed Rock Mass (Marinos and Hoek, 2000)

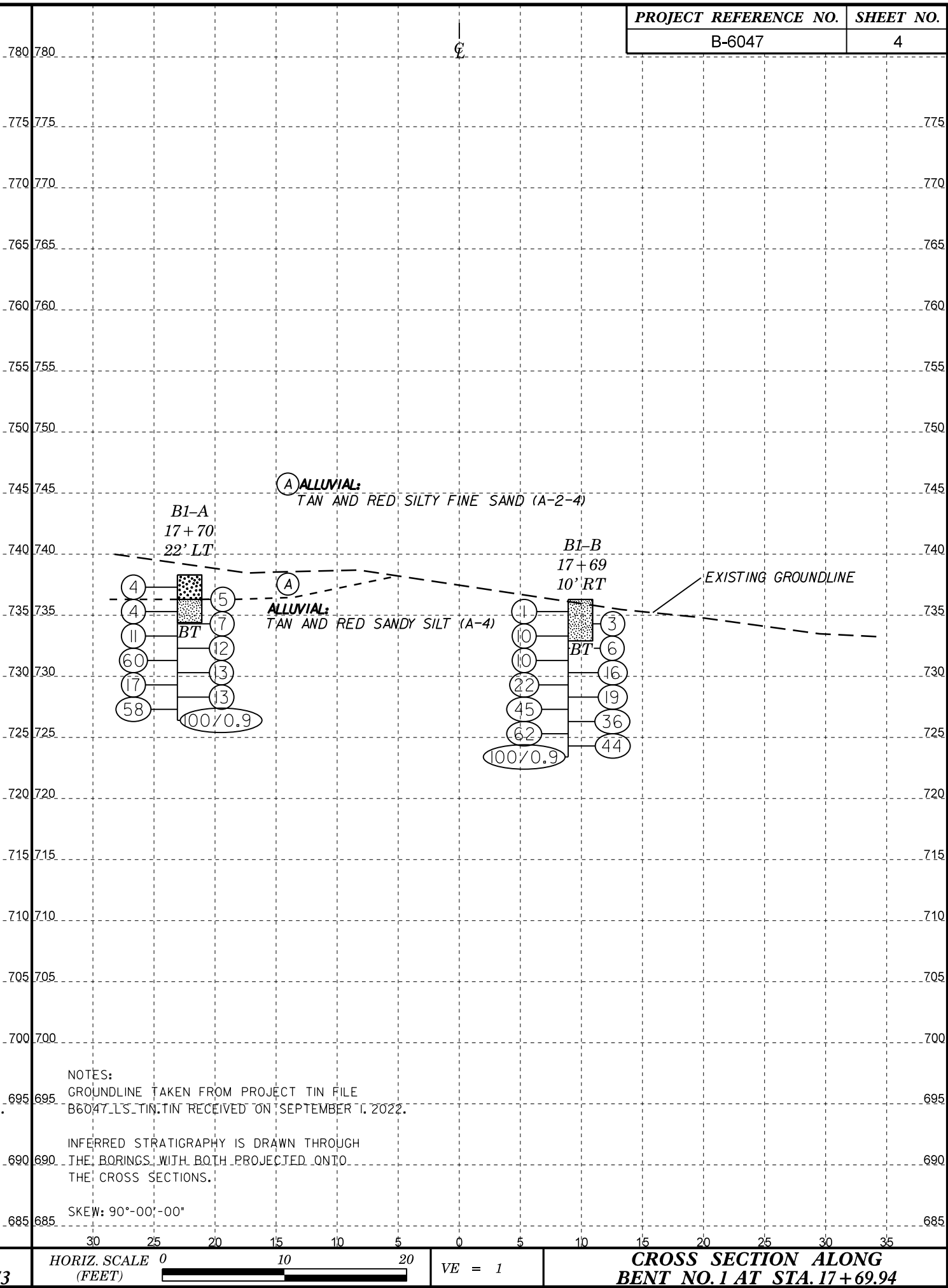
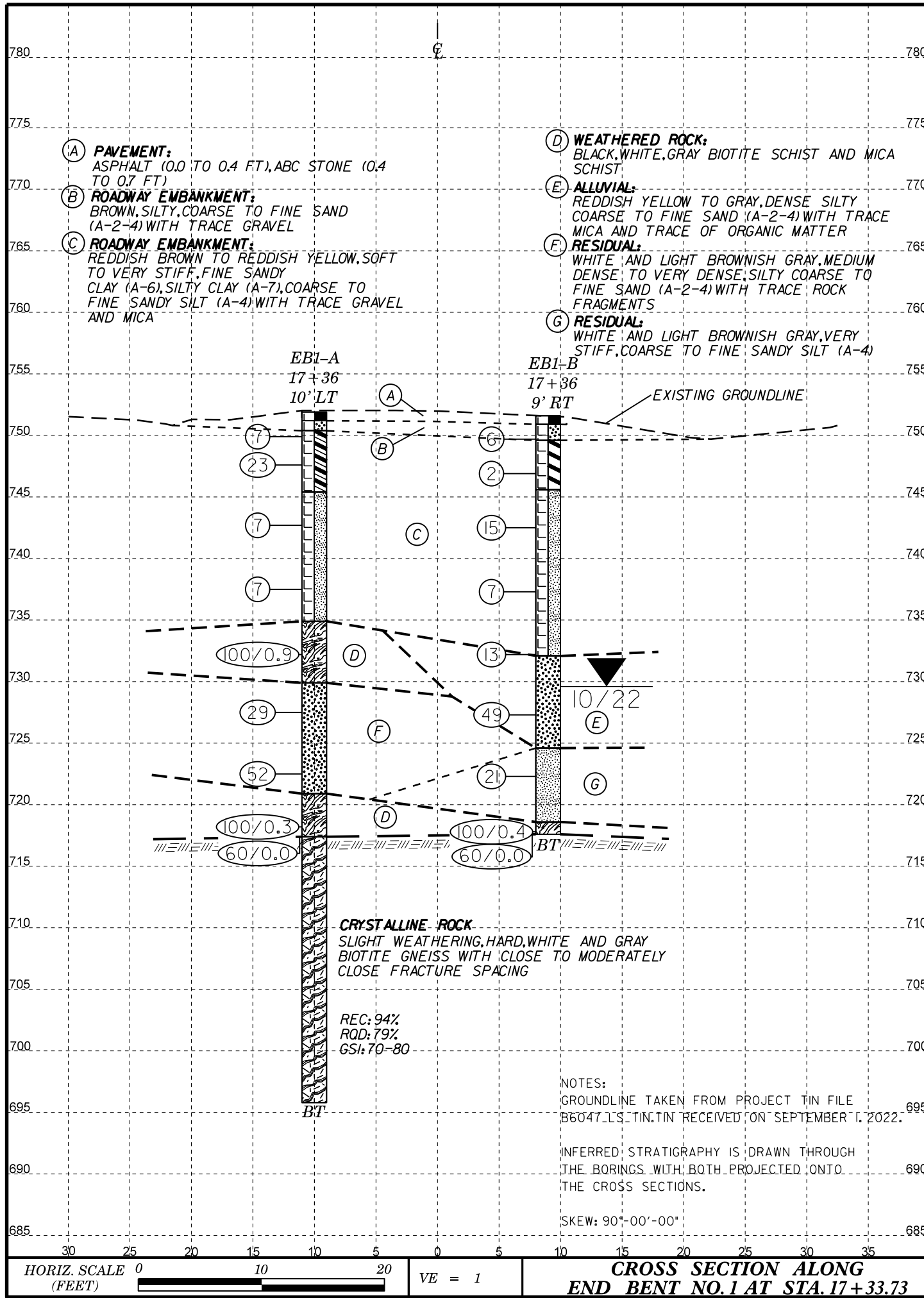
AASHTO LRFD Figure 10.4.6.4-2 — Determination of GSI for Tectonically Deformed Heterogeneous Rock Masses (Marinos and Hoek, 2000)

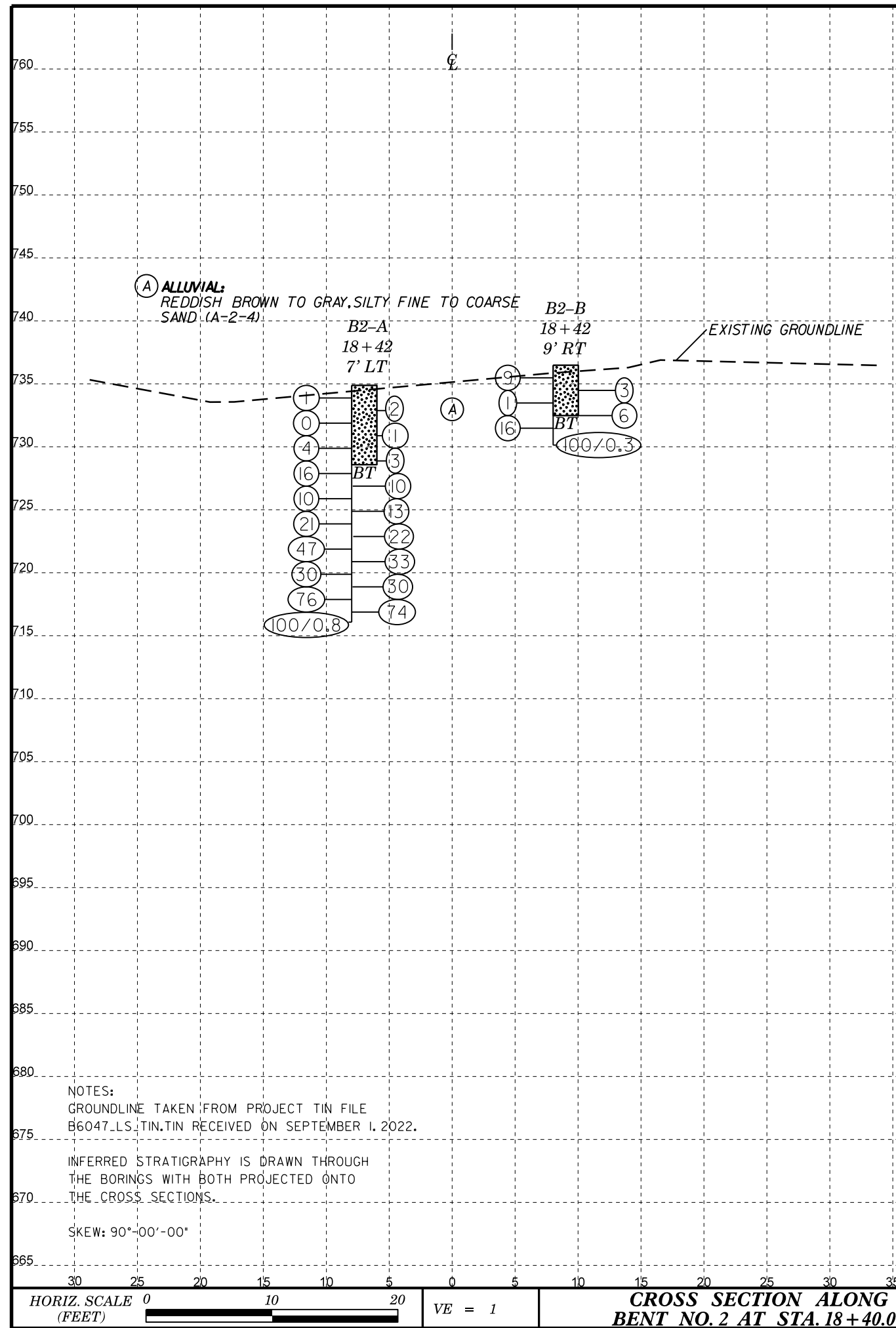
GEOLOGICAL STRENGTH INDEX (GSI) FOR JOINTED ROCKS (Hoek and Marinos, 2000) From the lithology, structure and surface conditions of the discontinuities, estimate the average value of GSI. Do not try to be too precise. Quoting a range from 33 to 37 is more realistic than stating that GSI = 35. Note that the table does not apply to structurally controlled failures. Where weak planar structural planes are present in an unfavorable orientation with respect to the excavation face, these will dominate the rock mass behaviour. The shear strength of surfaces in rocks that are prone to deterioration as a result of changes in moisture content will be reduced if water is present. When working with rocks in the fair to very poor categories, a shift to the right may be made for wet conditions. Water pressure is dealt with by effective stress analysis.	SURFACE CONDITIONS VERY GOOD Very rough, fresh unweathered surfaces GOOD Rough, slightly weathered, iron stained surfaces FAIR Smooth, moderately weathered and altered surfaces POOR Slickensided, highly weathered surfaces with compact coatings or fillings or angular fragments VERY POOR Slickensided, highly weathered surfaces with soft clay coatings or fillings	STRUCTURE INTACT OR MASSIVE - intact rock specimens or massive in situ rock with few widely spaced discontinuities BLOCKY - well interlocked undisturbed rock mass consisting of cubical blocks formed by three intersecting discontinuity sets VERY BLOCKY - interlocked, partially disturbed mass with multi-faceted angular blocks formed by 4 or more joint sets BLOCKY/DISTURBED/SEAMY - folded with angular blocks formed by many intersecting discontinuity sets. Persistence of bedding planes or schistosity DISINTEGRATED - poorly interlocked, heavily broken rock mass with mixture of angular and rounded rock pieces LAMINATED/SHEARED - Lack of blockiness due to close spacing of weak schistosity or shear planes	DECREASING SURFACE QUALITY ➡ 90 80 70 60 50 40 30 20 10 N/A N/A	GSI FOR HETEROGENEOUS ROCK MASSES SUCH AS FLYSCH (Marinos, P and Hoek E., 2000) From a description of the lithology, structure and surface conditions (particularly of the bedding planes), choose a box in the chart. Locate the position in the box that corresponds to the condition of the discontinuities and estimate the average value of GSI from the contours. Do not attempt to be too precise. Quoting a range from 33 to 37 is more realistic than giving GSI = 35. Note that the Hoek-Brown criterion does not apply to structurally controlled failures. Where unfavourably oriented continuous weak planar discontinuities are present, these will dominate the behaviour of the rock mass. The strength of some rock masses is reduced by the presence of groundwater and this can be allowed for by a slight shift to the right in the columns for fair, poor and very poor conditions. Water pressure does not change the value of GSI and it is dealt with by using effective stress analysis.	SURFACE CONDITIONS OF DISCONTINUITIES (Predominantly bedding planes) VERY GOOD - Very Rough, fresh unweathered surfaces GOOD - Rough, slightly weathered surfaces FAIR - Smooth, moderately weathered and altered surfaces POOR - Very smooth, occasionally slickensided surfaces with compact coatings or fillings with angular fragments VERY POOR - Very smooth, slickensided or highly weathered surfaces with soft clay coatings or fillings	COMPOSITION AND STRUCTURE A. Thick bedded, very blocky sandstone The effect of pelitic coatings on the bedding planes is minimized by the confinement of the rock mass. In shallow tunnels or slopes these bedding planes may cause structurally controlled instability. B. Sandstone with thin inter-layers of siltstone C. Sandstone and siltstone in similar amounts D. Siltstone or silty shale with sandstone layers E. Weak siltstone or clayey shale with sandstone layers C, D, E, and G - may be more or less folded than illustrated but this does not change the strength. Tectonic deformation, faulting and loss of continuity moves these categories to F and H. F. Tectonically deformed, intensively folded/faulted, sheared clayey shale or siltstone with broken and deformed sandstone layers forming an almost chaotic structure G. Undisturbed silty or clayey shale with or without a few very thin sandstone layers H. Tectonically deformed silty or clayey shale forming a chaotic structure with pockets of clay. Thin layers of sandstone are transformed into small rock pieces. ➡ Means deformation after tectonic disturbance	70 60 50 40 30 20 10
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PROJECT REFERENCE NO.	SHEET NO.
B-6047	3
SITE PLAN	
0 30 60 FEET	

SKREW: 90°-00'-00"



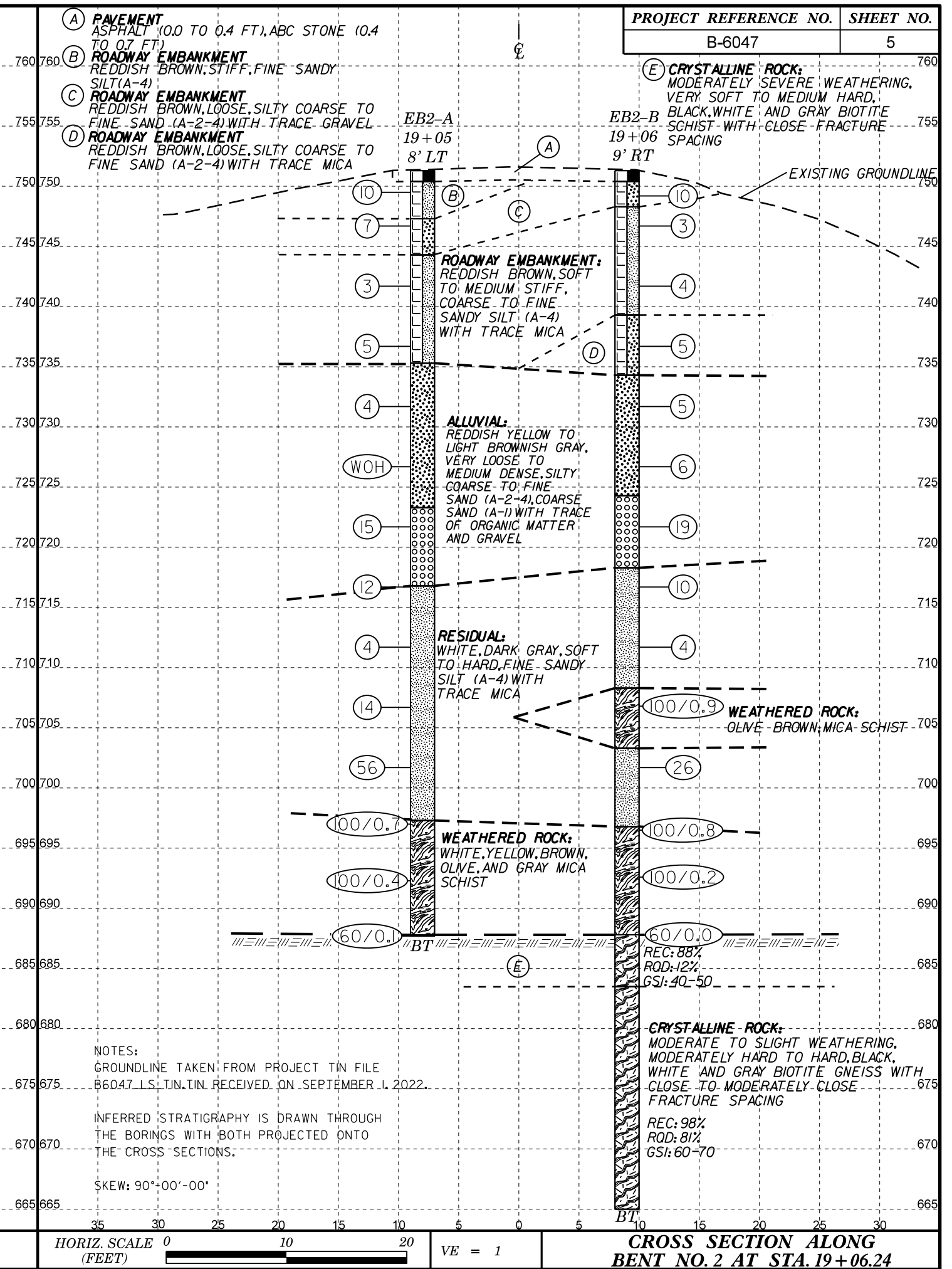




NOTES:
GROUNDLINE TAKEN FROM PROJECT TIN FILE
B6047_LS.TIN.TIN RECEIVED ON SEPTEMBER 1, 2022.

INFERRED STRATIGRAPHY IS DRAWN THROUGH
THE BORINGS WITH BOTH PROJECTED ONTO
THE CROSS SECTIONS.

SKIEW: 90°-00'-00"



PROJECT REFERENCE NO.	SHEET NO.
B-6047	5

(E)	CRYSTALLINE ROCK:	760
	MODERATELY SEVERE WEATHERING,	
	VERY SOFT TO MEDIUM HARD,	
B2-B	BLACK, WHITE AND GRAY BIOTITE	
19+06	SCHIST WITH CLOSE FRACTURE	755
	SPACING	

	CRYSTALLINE ROCK:	680
	MODERATE TO SLIGHT WEATHERING,	
	MODERATELY HARD TO HARD, BLACK,	
	WHITE AND GRAY BIOTITE GNEISS WITH	
	CLOSE TO MODERATELY CLOSE	675
	FRACTURE SPACING	

REC: 98%			
RQD: 81%			670
GSI: 60-70			

[illegible]

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 48390.1.1			TIP B-6047			COUNTY RUTHERFORD			GEOLOGIST J. Kardon					
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)									GROUND WTR (ft)					
BORING NO. EB1-A			STATION 17+36			OFFSET 10 ft LT			ALIGNMENT -L-			0 HR. 29.0		
COLLAR ELEV. 751.9 ft			TOTAL DEPTH 56.1 ft			NORTHING 555,747			EASTING 1,143,533			24 HR. FIAD		
DRILL RIG/HAMMER EFF./DATE TRI0055 CME-55 83% 05/09/2022						DRILL METHOD Mud Rotary/NQ Core			HAMMER TYPE Automatic					
DRILLER R. Toothman			START DATE 10/13/22			COMP. DATE 10/17/22			SURFACE WATER DEPTH N/A					
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100			ELEV. (ft)	DEPTH (ft)
755														
750	750.9	1.0	7	4	3								751.9	0.0
	748.6	3.3	5	6	17								751.2	0.7
745													750.4	1.5
	743.7	8.2	4	3	4								745.4	6.5
740														
	738.5	13.4	3	3	4									
735													734.9	17.0
	733.6	18.3	28	37	63/0.4									
730													729.9	22.0
	728.5	23.4	8	16	13									
725													720.9	31.0
	723.5	28.4	13	21	31									
720													717.4	34.5
	718.5	33.4	100/0.3											

GEOTECHNICAL BORING REPORT
CORE LOG

WBS 48390.1.1				TIP B-6047				COUNTY RUTHERFORD				GEOLOGIST J. Kardon										
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)												GROUND WTR (ft)										
BORING NO. EB1-A				STATION 17+36				OFFSET 10 ft LT				ALIGNMENT -L-				0 HR. 29.0						
COLLAR ELEV. 751.9 ft				TOTAL DEPTH 56.1 ft				NORTHING 555,747				EASTING 1,143,533				24 HR. FIAD						
DRILL RIG/HAMMER EFF./DATE TRI0055 CME-55 83% 05/09/2022								DRILL METHOD Mud Rotary/NQ Core				HAMMER TYPE Automatic										
DRILLER R. Toothman				START DATE 10/13/22				COMP. DATE 10/17/22				SURFACE WATER DEPTH N/A										
CORE SIZE NQ				TOTAL RUN 21.6 ft																		
ELEV (ft)	RUN ELEV (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %RQD (ft) %		SAMP. NO.	STRATA REC. (ft) %RQD (ft) %		L O G	DESCRIPTION AND REMARKS											
											ELEV. (ft)	DEPTH (ft)										
717.4												Begin Coring @ 34.5 ft										
715	717.4 715.8	34.5 36.1	1.6	N=60/0.0 1:45/0.6 2:50/1.0 3:20/1.0 3:15/1.0 3:20/1.0 2:55/1.0 2:30/1.0	(1.5) 94% (5.0) 100%	(1.4) 88% (3.8) 76%		(20.4) 94%	(17.1) 79%		717.4	34.5 CRYSTALLINE ROCK										
			5.0									Slight Weathering, Hard, White and Gray BIOTITE GNEISS with Close to Moderately Close Fracture Spacing (GSI: 70-80)										
												(Moderately Severe Weathering, Soft, Gray BIOTITE SCHIST from 46.7 ft to 46.8 ft)										
710	710.8	41.1	5.0	2:35/1.0 2:10/1.0 2:25/1.0 1:51/1.0 2:05/1.0	(4.7) 94%	(4.1) 82%						(Moderately Severe Weathering, Very Soft, Gray BIOTITE SCHIST from 49.7 ft to 50.5 ft)										
705	705.8	46.1	5.0	2:15/1.0 2:25/1.0 2:15/1.0 2:30/1.0 2:15/1.0	(4.2) 84%	(2.8) 56%																
700	700.8	51.1	5.0	2:40/1.0 3:00/1.0 2:40/1.0 3:40/1.0 3:15/1.0	(5.0) 1																	

NCDOT BORE DOUBLE B6047_GEO_BRDG_GINT.GPJ NC_DOT.GDT 2/4/23

CORE PHOTOGRAPHS

EB1-A

BOXES 1, 2 & 3: 34.5 - 56.1 FEET



GEOTECHNICAL BORING REPORT
BORE LOG

WBS 48390.1.1			TIP B-6047			COUNTY RUTHERFORD			GEOLOGIST J. Kardon						
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)									GROUND WTR (ft)						
BORING NO. EB1-B			STATION 17+36			OFFSET 9 ft RT			ALIGNMENT -L-			0 HR. 21.9			
COLLAR ELEV. 751.6 ft			TOTAL DEPTH 34.0 ft			NORTHING 555,728			EASTING 1,143,532			24 HR. 22.0			
DRILL RIG/HAMMER EFF./DATE TRI0055 CME-55 83% 05/09/2022						DRILL METHOD Mud Rotary			HAMMER TYPE Automatic						
DRILLER R. Toothman			START DATE 10/11/22			COMP. DATE 10/13/22			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	
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)
755															
750	750.7	0.9													
			7	4	2	6									
745	747.9	3.7													
			1	1	1	2									
740	743.5	8.1													
			11	9	6	15									
735	738.3	13.3													
			2	3	4	7									
730	733.2	18.4													
			2	2	11	13									
725	728.3	23.3													
			15	27	22	49									
720	723.3	28.3													
			15	11	10	21									
	718.2	33.4													
	717.6	34.0	100/0.4												
			60/0.0												

NCDOT BORE DOUBLE B6047_GEO_BRDG_GINT.GPJ NC_DOT.GDT 2/4/23

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 48390.1.1			TIP B-6047			COUNTY RUTHERFORD			GEOLOGIST J. Fregosi						
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)											GROUND WTR (ft)				
BORING NO. B1-A			STATION 17+70			OFFSET 22 ft LT			ALIGNMENT -L-			0 HR.	N/A		
COLLAR ELEV. 738.3 ft			TOTAL DEPTH 11.9 ft			NORTHING 555,754			EASTING 1,143,570			24 HR.	N/A		
DRILL RIG/HAMMER EFF./DATE N/A						DRILL METHOD Hand Auger/Rod Sounding			HAMMER TYPE N/A						
DRILLER N/A			START DATE 12/14/22			COMP. DATE 12/14/22			SURFACE WATER DEPTH N/A						
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100			ELEV. (ft)	DEPTH (ft)	
740															
735				2	2								738.3	GROUND SURFACE	0.0
				0	5								736.3	ALLUVIAL	
				2	2								736.3	Tan Red, Silty Fine SAND (A-2-4)	2.0
				4	3								734.4	Tan Red, Sandy SILT (A-4)	3.9
				7	4										
730				6	6										
				45	15										
				8	5										
				9	8										
				7	6										
				23	35										
				34	66/0.4										
	</														

WBS 48390.1.1				TIP B-6047				COUNTY RUTHERFORD				GEOLOGIST J. Fregosi					
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)												GROUND WTR (ft)					
BORING NO. B1-B				STATION 17+69				OFFSET 10 ft RT				ALIGNMENT -L-				0 HR. N/A	
COLLAR ELEV. 736.3 ft				TOTAL DEPTH 12.9 ft				NORTHING 555,723				EASTING 1,143,564				24 HR. N/A	
DRILL RIG/HAMMER EFF./DATE N/A								DRILL METHOD Hand Auger/Rod Sounding				HAMMER TYPE N/A					
DRILLER N/A				START DATE 12/14/22				COMP. DATE 12/14/22				SURFACE WATER DEPTH N/A					
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION				
			0.5ft	0.5ft	0.5ft	0	25	50	75	100							
740																	
735														736.3 GROUND SURFACE 0.0			
														ALLUVIAL			
														Tan Red, Sandy SILT (A-4)			
														732.9 3.4			
730																	
725																	
					</												

NCDOT BORE DOUBLE B6047_GEO_BRDG_GINT.GPJ NC_DOT.GDT 2/4/23

GEOTECHNICAL BORING REPORT
BORE LOG

WBS 48390.1.1			TIP B-6047			COUNTY RUTHERFORD			GEOLOGIST J. Fregosi							
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)									GROUND WTR (ft)							
BORING NO. B2-A			STATION 18+42			OFFSET 7 ft LT			ALIGNMENT -L-			0 HR. N/A				
COLLAR ELEV. 734.9 ft			TOTAL DEPTH 18.8 ft			NORTHING 555,728			EASTING 1,143,638			24 HR. N/A				
DRILL RIG/HAMMER EFF./DATE N/A						DRILL METHOD Hand Auger/Rod Sounding			HAMMER TYPE N/A							
DRILLER N/A			START DATE 12/14/22			COMP. DATE 12/14/22			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		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
735														734.9	GROUND SURFACE	0.0
730			1	0		1	-	-	-	-					ALLUVIAL Reddish Brown to Gray, Silty Fine to Coarse SAND (A-2-4)	
			1	1		2	-	-	-	-						
			0	0		0	-	-	-	-						
			1	0		1	-	-	-	-						
725			2	2		3	-	-	-	-						
			2	1		4	-	-	-	-						
			11	5		10	-	-	-	-						
			4	6		10	-	-	-	-						
			5	5		13	-	-	-	-						
			6	7		21	-	-	-	-						
720			15	6		22	-	-	-	-						
			8	14		33	-	-	-	-						
			22	25		30	-	-	-	-						
			25	8		30	-	-	-	-						
			17	13		30	-	-	-	-						
			14	16		76	-	-	-	-						
			30	46		74	-	-	-	-						
			28	46		100/0.8	-	-	-	-						
			57	43/0.3												

WBS 48390.1.1				TIP B-6047		COUNTY RUTHERFORD		GEOLOGIST J. Fregosi						
SITE DESCRIPTION Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)										GROUND WTR (ft)				
BORING NO. B2-B				STATION 18+42		OFFSET 9 ft RT		ALIGNMENT -L-		0 HR.	N/A			
COLLAR ELEV. 736.5 ft				TOTAL DEPTH 5.3 ft		NORTHING 555,712		EASTING 1,143,636		24 HR.	N/A			
DRILL RIG/HAMMER EFF./DATE N/A						DRILL METHOD Hand Auger/Rod Sounding			HAMMER TYPE N/A					
DRILLER N/A				START DATE 12/14/22		COMP. DATE 12/14/22		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
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				
740														
735				1	8	9	-	-	-	-				736.5 GROUND SURFACE 0.0
				2	1	3	-	-	-	-				ALLUVIAL Reddish Brown, Silty Fine to Coarse SAND (A-2-4) 732.5 4.0
				0	1	1	-	-	-	-				
				2	4	6	-	-	-	-				
				7	9	16	-	-	-	-				
			100/0.3			100/0.3								
														Boring Terminated at Elevation 731.2 ft in ALLUVIAL: GRAVEL
														NOTES: Hand Auger Terminated with Auger Refusal at Elevation 732.5 ft in ALLUVIAL: GRAVEL

NCDOT BORE DOUBLE B6047_GEO_BRDG_GINT.GPJ NC_DOT.GDT 2/4/23

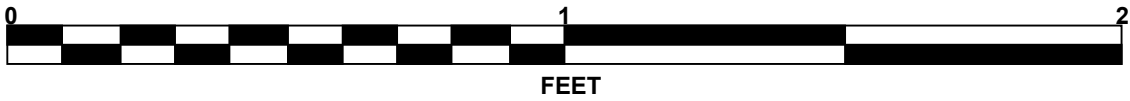
GEOTECHNICAL BORING REPORT CORE LOG

NC DOT CORE DOUBLE B6047 GEO BRDG GINT.GPJ NC DOT.GDT 2/4/23

CORE PHOTOGRAPHS

EB2-B

BOXES 1, 2 & 3: 63.5 - 86.3 FEET



SITE PHOTOGRAPH

Replace Bridge No. 145 over Floyds Creek on SR 2125 (Harris Henrietta Road)



Facing South towards existing bridge