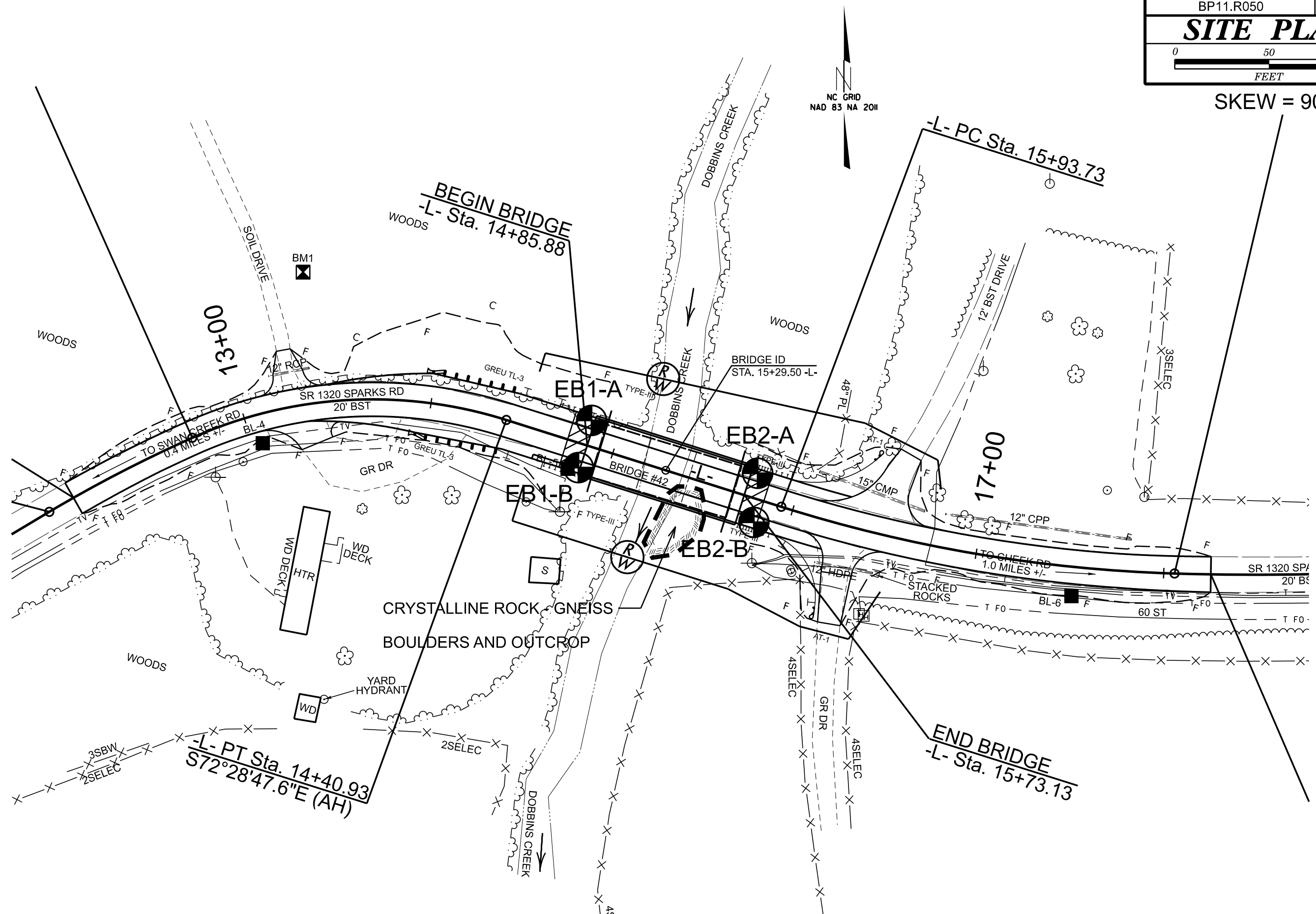




NC DOT BORE SINGLE BP11.R050_GEO_BRDG980042_GINT.GPJ NC_DOT.GDT 2/3/26

GEOTECHNICAL BORING REPORT
BORE LOG

WBS BP11.R050.1			TIP BP11.R050			COUNTY YADKIN			GEOLOGIST K. Haven						
SITE DESCRIPTION Replace Bridge No. 980042 on SR 1320 (Sparks Road) over Dobbins Creek												GROUND WTR (ft)			
BORING NO. EB1-A			STATION 14+84			OFFSET 13 ft LT			ALIGNMENT -L-			0 HR.	Dry		
COLLAR ELEV. 1,040.6 ft			TOTAL DEPTH 16.8 ft			NORTHING 877,190			EASTING 1,451,656			24 HR.	Dry		
DRILL RIG/HAMMER EFF./DATE SUM2603 CME-550X 86% 11/14/2023						DRILL METHOD H.S. Augers			HAMMER TYPE Automatic						
DRILLER M. G. Moseley			START DATE 04/21/25			COMP. DATE 04/21/25			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)
1045															
1040	1,040.6	0.0												1,040.6	
	1,036.6	4.0	5	5	3							M		1,038.1	2.5
1035			3	2	3							M		Brown, moist, loose, Silty SAND (A-2-4), with trace gravel	
	1,031.6	9.0										M		1,032.6	8.0
1030			4	7	3										
	1,026.6	14.0												1,028.6	12.0
1025			1	WOH	1						SS-13	23%			
	1,023.8	16.8												1,024.6	16.0
														1,023.8	16.8
														WEATHERED ROCK	
														METAGRANITE	
														(Started grinding at 16.0 feet)	
														Boring Terminated with Standard Penetration Test Refusal at Elevation 1,023.8 ft on Crystalline Rock: METAGRANITE	
														Note: 0.3 feet topsoil	

GEOTECHNICAL BORING REPORT
BORE LOG

WBS			BP11.R050.1			TIP			BP11.R050			COUNTY			YADKIN			GEOLOGIST			K. Haven																												
SITE DESCRIPTION															Replace Bridge No. 980042 on SR 1320 (Sparks Road) over Dobbins Creek										GROUND WTR (ft)																								
BORING NO.			EB1-B			STATION			14+85			OFFSET			13 ft RT			ALIGNMENT			-L-			0 HR.		Dry																							
COLLAR ELEV.			1,040.3 ft			TOTAL DEPTH			18.1 ft			NORTHING			877,165			EASTING			1,451,649			24 HR.		Dry																							
DRILL RIG/HAMMER EFF./DATE										SUM2603 CME-550X 86% 11/14/2023										DRILL METHOD					H.S. Augers					HAMMER TYPE					Automatic														
DRILLER					M. G. Moseley					START DATE					04/21/25					COMP. DATE					04/21/25					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																																							
1045																																																	
1040	1,040.3	0.0														GROUND SURFACE															0.0																		
						6	4	3									ROADWAY EMBANKMENT																																
																	Brown and orange, moist, loose, Clayey SAND (A-2-6), with trace gravel															2.5																	
1035	1,036.3	4.0				6	4	5									Orange, moist, stiff, fine to coarse Sandy CLAY (A-6)																																
1030	1,031.3	9.0																														8.0																	
						4	2	4									ALLUVIAL																																
																	Brown, moist, loose, Clayey and Silty, Fine SAND (A-2-4), with a lenses of fine to coarse SAND (A-3)																																
1025	1,026.3	14.0																														13.0																	
																	RESIDUAL																																
																	Orange and white, dry, medium dense, Silty SAND (A-2-4), with weathered rock fragments															16.5																	
	1,022.2	18.1															WEATHERED ROCK															18.1																	
																	METAGRANITE																																
																	(Started grinding at 16.5')																																
																	Boring Terminated with Standard Penetration Test Refusal at Elevation 1,022.2 ft on Crystalline Rock: METAGRANITE																																
																	Note: 0.3 feet topsoil																																

NC DOT BORE SINGLE BP11.R050_GEO_BRDG980042_GINT.GPJ NC_DOT.GDT 2/3/26

NCDOT BORE SINGLE BP11.R050 GEO BRDG980042 GINT.GPJ NC DOT.GDT 2/3/26

NCDOT BORE SINGLE BP11.R050 GEO BRDG980042 GINT.GPJ NC DOT.GDT 2/3/26

SUMMARY OF LABORATORY DATA

WBS Number: BP11.R050.1
TIP Number: BP11.R050
County: YADKIN
Description: Replace Bridge No. 980042 on SR 1320 (Sparks Road) over Dobbins Creek

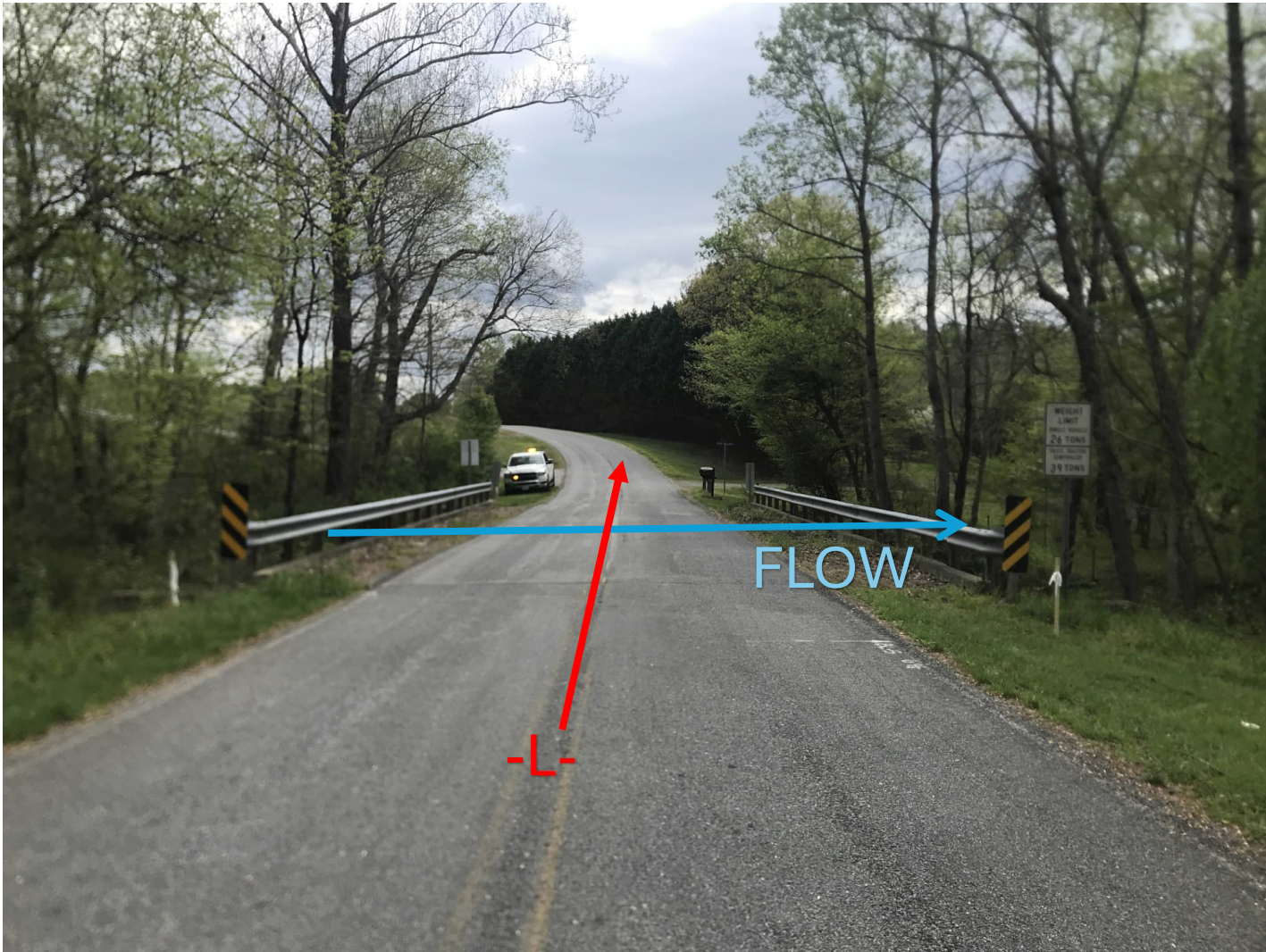


SOIL TEST RESULTS																				
SAMPLE NO.	BORING	NORTHING	EASTING	ALIGNMENT	STATION	OFFSET	DEPTH INTERVAL (ft)	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% RETAINED #4 SIEVE	% PASSING SIEVES			% MOISTURE	% ORGANIC
											C. SAND	F. SAND	SILT	CLAY		#10	#40	#200		
SS-13	EB1-A	877190	1451656	-L-	14+84	13' LT	14.0-15.5	A-6(9)	39	24	20.7	32.3	15.4	31.6	0	100	89	52	23.1	-
SS-7	EB1-B	877165	1451649	-L-	14+85	13' RT	4.0-5.5	A-6(4)	33	16	25.8	30.9	11.6	31.7	0	99	86	48	16.7	-
SS-16	EB2-A	877162	1451744	-L-	15+76	13' LT	3.9-5.4	A-6 (1)	26	13	33.9	32.0	12.5	21.6	10	86	69	36	15.9	-
SS-2	EB2-B	877136	1451742	-L-	15+82	12' RT	4.1-5.6	A-4(0)	21	9	32.2	34.1	14.5	19.2	0	98	82	40	13.7	-

Jonathan Pope	120-08-0107	
Technician Name	NCDOT Cert. Number	Signature

SITE PHOTOGRAPHS

Replace Bridge No. 980042 on SR 1320 (Sparks Road) over Dobbins Creek, Yadkin County, NC



View to east from End Bent 1 towards End Bent 2



View to west from End Bent 2 towards End Bent 1