

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO.	8.2312501	ID.	B-3670	COUNTY	JOHNSTON	GEOLOGIST	K. B. QUICK								
DESCRIPTION							BRIDGE NO. 448 ON SR 1229 OVER BERNAL CREEK	GROUND WATER							
BORING NO.	EBI-A	BORING LOCATION	15+15	OFFSET	8.0' LT.	ALIGNMENT	-L-	0 HR. N.M.							
COLLAR ELEVATION	132.0'	NORTHING		EASTING				24 HR. 4.4'							
TOTAL DEPTH	34.4'	DRILL MACHINE	CME-45B	DRILL METHOD	ROTARY W/MUD	HAMMER TYPE	AUTOMATIC								
START DATE	3/19/03	COMPLETION DATE	3/19/03	SURFACE WATER DEPTH					N/A						
ELEV.	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100					
132.0															
130.0	4.2	1	1	2	1										TAN BROWN SILTY FINE TO COARSE SAND, MOI. TO SAT. (FILL)
125.0	8.1	WOH	WOH	3	1										BROWN FINE SANDY SILT, WET (ALLUVIUM)
120.0	13.1	19	20	26	1										BROWN FINE TO COARSE SAND, SAT.
115.0	18.1	26	32	30	1										GRAY GREEN SILTY FINE SANDY CLAY, WET (RESIDUAL SOIL)
110.0	23.1	33	48	40	1										
105.0	28.1	14	21	30	1										
100.0	33.1	50	60	40	0.8										
95.0															WEATHERED CHLORITE PHYLLITE
90.0															
85.0															
80.0															
75.0															
70.0															
65.0															
60.0															

BORING TERMINATED AT  
 ELEV. 97.6 FEET IN  
 WEATHERED CHLORITE  
 PHYLLITE

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SHEET 1 OF 1

PROJECT NO.	8.2312501	ID.	B-3670	COUNTY	JOHNSTON	GEOLOGIST	K. B. QUICK								
SITE DESCRIPTION							BRIDGE NO. 448 ON SR 1229 OVER BERNAL CREEK	GROUND WATER							
BORING NO.	EBI-B	BORING LOCATION	15+15	OFFSET	10.0' RT.	ALIGNMENT	-L-	0 HR. N.M.							
COLLAR ELEVATION	132.3'	NORTHING		EASTING				24 HR. 4.9'							
TOTAL DEPTH	53.3'	DRILL MACHINE	CME-45B	DRILL METHOD	ROTARY W/MUD	HAMMER TYPE	AUTOMATIC								
START DATE	3/17/03	COMPLETION DATE	3/18/03	SURFACE WATER DEPTH					N/A						
ELEV.	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100					
132.3	0.0	1	3	3	1										
130.0	4.2	2	1	1	1										GRAY AND TAN SILTY FINE TO COARSE SAND, MOI. TO SAT. (FILL)
125.0	8.2	WOH	1	6	1										BROWN FINE SANDY SILT, WET. (ALLUVIUM)
120.0	13.2	16	23	23	1										BROWN FINE TO COARSE SAND, SAT.
115.0	18.2	15	21	26	1										GRAY GREEN SILTY FINE SANDY CLAY, WET (RESIDUAL SOIL)
110.0	23.2	11	19	23	1										
105.0	28.2	12	18	25	1										
100.0	33.2	14	23	30	1										
95.0	38.2	63	37		0.6										WEATHERED CHLORITE PHYLLITE
90.0	43.2	100			0.3										
85.0	48.2	50			0.1										
80.0	53.2	50			0.1										
75.0															
70.0															
65.0															
60.0															

BORING TERMINATED AT  
 ELEV. 79.0 FEET IN  
 WEATHERED CHLORITE  
 PHYLLITE