

PROJECT NO.	8.2572301	ID.	B-3504	FED. NO.	BRZ-1331(4)	CO.	Randolph	FIELD SUPERV.	D. Hardister				
SITE DESCRIPTION								GROUND WATER (ft)					
Bridge 363 over Caraway Creek on SR 1331								0 HR.	N/M				
BORING NO.	EB1-A	BORING LOCATION	18+22.2	OFFSET	16.0' LT	ALIGNMENT	-L-	24 HR.	11.5				
COLLAR ELEV.	441.2 ft	TOTAL DEPTH	16.9 ft	NORTHING	716781.91	EASTING	1724346.78						
DRILL MACHINE	CME 550x	DRILL METHOD	HSA/HQ	HAMMER TYPE	Automatic	FINAL CASING DEPTH	8.2 ft						
DATE STARTED	12/17/03	COMPLETED	12/18/03	DRILLING FLUID DENSITY	Creek Water	SURFACE WATER DEPTH	N/A						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
441.2	0.00												Ground Surface Elev. 441.2 ft
440													Roadway Embankment Fill-(*) Red-Brown Silty Coarse to Fine SAND with COBBLES (A-1-a)
	3.5	8	10	90/0.4							SS-1	W	
435													Roadway Embankment Fill-BOULDERS and COBBLES (3-12" Diameter) with Silty Coarse to Fine SAND (A-2-4)
	8.5	44	9	10								W	
430													Roadway Embankment Fill-BOULDERS and COBBLES (3-12" Diameter) with Silty Coarse to Fine SAND with Wood (A-2-4)
	12.4	12	7	4								SAT	
425													Alluvial-Medium Dense Blue-Grey Silty Coarse to Fine SAND with Gravel and Wood (A-2-4)
	16.9	60/0											Residual-Medium Dense Blue-Grey Silty Coarse to Fine SAND with Rock Fragments (A-1-a)
													Crystalline Rock-Blue-Grey Slightly and Moderately Weathered Hard and Very Hard Meta-Argillite with Very Close Fracture Spacing
													Boring Terminated with Standard Penetration Test Refusal at Elev. 424.3ft in Crystalline Rock (Meta-Argillite)

NOTE: * INDICATES BLOW COUNT INFLUENCED BY COBBLES

NCDOT_BORE#3 GR030560.GPJ NCDOT2.GDT 1/15/04

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BORING NO.	EB1-A	BORING LOCATION	18+22.2	OFFSET	16.0' LT	ALIGNMENT	-L-	24 HR.	11.5
COLLAR ELEV.	441.2 ft	TOTAL DEPTH	16.9 ft	NORTHING	716781.91	EASTING	1724346.78		
DRILL MACHINE	CME 550x	DRILL METHOD	HSA/HQ	HAMMER TYPE	Automatic	FINAL CASING DEPTH	8.2 ft		
DATE STARTED	12/17/03	COMPLETED	12/18/03	DRILLING FLUID DENSITY	Creek Water	SURFACE WATER DEPTH	N/A		
CORE SIZE	HQ	TOTAL RUN	7.2 ft	DRILLER	J.White				
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min./ft)	REC. (%)	RQD (%)	SAMP. NO.	STRATA REC. (%)	RQD (%)	DESCRIPTION AND REMARKS
433.0									Begin Coring @ 433.00 ft
433.0	8.2	4.2	6:41	N/A	N/A		N/A	N/A	Roadway Embankment Fill-BOULDERS and COBBLES (3-12" Diameter) with Silty Coarse to Fine SAND with Wood (A-2-4)
			2:47						
			6:56						
			7:10						
428.8	12.4	2:10/0.2				N=11	N/A	N/A	Alluvial-Medium Dense Blue-Grey Silty Coarse to Fine SAND with Gravel and Wood (A-2-4)
									429.20
427.3	13.9	3.0	1:17	N/A	N/A		N/A	N/A	Residual-Medium Dense Blue-Grey Silty Coarse to Fine SAND with Rock Fragments (A-1-a)
			4:30						426.70
			6:53						425.70
424.3	16.9						0.5 36%	0.0 0%	Crystalline Rock-Blue-Grey Slightly and Moderately Weathered Hard and Very Hard Meta-Argillite with Very Close Fracture Spacing
									424.30
									5 Jts @ 20-30° 5 Jts @ 60-70° Other Jts Not Discernible
									Coring Terminated at Elev. 424.3ft in Crystalline Rock (Meta-Argillite)

NCDOT_BORE#3-11X17 GR030560.GPJ NCDOT2.GDT 1/15/04