

PROJECT NO.		ID.		FED. NO.		CO.		FIELD SUPERV.					
33602.1.1		B-4260		BRZ-1352(5)		Rutherford		D. Hardister					
SITE DESCRIPTION								GROUND WATER (ft)					
Bridge No. 350 over West Branch Mountain Creek on SR 1352								0 HR. 12.8					
BORING NO.		BORING LOCATION		OFFSET		ALIGNMENT		24 HR. 11.8					
EB1-A		15+83		16' LT		-L-							
COLLAR ELEV.		TOTAL DEPTH		NORTHING		EASTING		DRILL MACHINE					
871.8 ft		32.5 ft		625371.66		1096224.78		CME 550x					
DRILL MACHINE		DRILL METHOD		HAMMER TYPE		FINAL CASING DEPTH		DATE STARTED					
CME 550x		HSA		Automatic		N/A		9/15/04					
DATE STARTED		COMPLETED		DRILLING FLUID DENSITY		SURFACE WATER DEPTH							
9/15/04		9/15/04		N/A		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
871.8	0.00												Ground Surface Elev. 871.8 ft
870	3.5	10	4	4							SS-1	W	Roadway Embankment Fill-Loose Orange-Brown Micaceous Silty Coarse to Fine SAND (A-2-4)
865	8.5	1	1	1								W	Alluvial-Very Loose Brown Silty Coarse to Fine SAND (A-2-4)
860	13.5	1	3	2								SAT	Alluvial-Loose Tan Silty Coarse to Fine SAND with Quartz Gravel (A-1-b)
855	18.5	7	8	7								SAT	Residual-Medium Dense Orange-Brown Micaceous Silty Coarse to Fine SAND (A-2-4)
850	23.5	38	23	13								W	Residual-Dense Orange-Grey Micaceous Silty Coarse to Fine SAND with Rock Fragments (A-2-4)
845	28.5	8	4	10								W	Residual-Medium Dense Brown-White Micaceous Silty Coarse to Fine SAND (A-2-4)
840	32.5	60/0										M	Weathered Rock-Brown-White Weathered Migmatitic Granitic Gneiss
													Crystalline Rock-Grey-White Migmatitic Granitic Gneiss
													Boring Terminated with Standard Penetration Test Refusal at Elev. 839.3ft in Crystalline Rock (Migmatitic Granitic Gneiss)

NCDOT\_BORE11X17M GR040315.GPJ NCDOT2.GDT 10/1/04

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33602.1.1		B-4260		BRZ-1352(5)		Rutherford		D. Hardister					
SITE DESCRIPTION								GROUND WATER (ft)					
Bridge No. 350 over West Branch Mountain Creek on SR 1352								0 HR. 12.0					
BORING NO.		BORING LOCATION		OFFSET		ALIGNMENT		24 HR. 11.7					
EB1-B		15+65		14' RT		-L-							
COLLAR ELEV.		TOTAL DEPTH		NORTHING		EASTING		DRILL MACHINE					
871.2 ft		20.0 ft		625344.46		1096247.06		CME 550x					
DRILL MACHINE		DRILL METHOD		HAMMER TYPE		FINAL CASING DEPTH		DATE STARTED					
CME 550x		HSA		Automatic		N/A		9/15/04					
DATE STARTED		COMPLETED		DRILLING FLUID DENSITY		SURFACE WATER DEPTH							
9/15/04		9/15/04		N/A		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
871.2	0.00												Ground Surface Elev. 871.2 ft
870	2.5	3	2	1								W	Roadway Embankment Fill-Very Loose Orange-Brown Micaceous Silty Coarse to Fine SAND (A-2-4)
865	7.5	1	2	1								W	Alluvial-Very Loose Brown Silty Coarse to Fine SAND (A-2-4)
860	12.5	WOH	1	2								SAT	Alluvial-Loose Tan Silty Coarse to Fine SAND with Quartz Gravel (A-1-b)
855	17.5	1	99/0.4									SAT	Residual-Medium Dense Orange-Brown Micaceous Silty Coarse to Fine SAND (A-2-4)
850	20.0	60/0										W	Weathered Rock-Orange-Brown Weathered Migmatitic Granitic Gneiss
													Crystalline Rock-Grey-Orange Migmatitic Granitic Gneiss
													Boring Terminated with Standard Penetration Test Refusal at Elev. 851.2ft in Crystalline Rock (Migmatitic Granitic Gneiss)

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