

PROJECT NO. 8.2561301		ID. B-3875		COUNTY Moore		GEOLOGIST M. Lear								
SITE DESCRIPTION Bridge 78 over Old Ford Creek on SR 1456 (Mactec Project No. 30725-2-5443)							GROUND WATER (ft)							
BORING NO. EB1-A		BORING LOCATION 16+90		OFFSET 15ft LT	ALIGNMENT -L-		0 HR. C.I. @ 10.0							
COLLAR ELEV. 370.6 ft		NORTHING 632,756		EASTING 1,821,821		24 HR. C.I. @ 9.7								
TOTAL DEPTH 22.3 ft		DRILL MACHINE CME-550, ATV		DRILL METHOD HSA-2.25" I.D.		HAMMER TYPE 140 lb Manual								
DATE STARTED 1/3/03		COMPLETED 1/3/03		SURFACE WATER DEPTH N/A										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100	
370.6	0.0	3	3	3	Ground Surface							370.6	0.0	Roadway Embankment Fill: Brown, orange, green, and green-gray, mottled, sandy, silty CLAY (A-7-6) with roots and wood fragments
366.5	4.1	2	3	4	Shelby Tube pushed from 3.0 ft to 5.0 ft at offset location, recovery= 2.0 ft.					SS-4	30.9%			
361.5	9.1	3	4	5										
356.5	14.1	3	4	4	Alluvium: Gray, fine sandy, clayey, SILT (A-4) with organic debris								12.5	
351.5	19.1	26	39	61/0.4ft	Shelby Tube pushed from 13.0 ft to 15.0 ft at offset location, recovery= 1.8 ft. Weathered Rock: Gray-green, META-VOLCANIC					SS-5	24.9%		16.5	
348.3	22.3	100/0.0ft			Boring terminated with Standard Penetration Test refusal at 22.3 ft (ELEV: 348.3 ft) on Crystalline Rock: META-VOLCANIC								22.3	
Bits Used: Hollow Stem Auger 2.25" I.D.														

NCDOT BORE SINGLE OFC.GPJ NC DOT.GDT 4/1/03

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SITE DESCRIPTION Bridge 78 over Old Ford Creek on SR 1456 (Mactec Project No. 30725-2-5443)							GROUND WATER (ft)							
BORING NO. EB1-B		BORING LOCATION 16+90		OFFSET 14ft RT	ALIGNMENT -L-		0 HR. C.I. @ 6.2							
COLLAR ELEV. 370.3 ft		NORTHING 632,743		EASTING 1,821,847		24 HR. C.I. @ 6.1								
TOTAL DEPTH 18.4 ft		DRILL MACHINE CME-550, ATV		DRILL METHOD HSA-2.25" I.D.		HAMMER TYPE 140 lb Manual								
DATE STARTED 1/3/03		COMPLETED 1/3/03		SURFACE WATER DEPTH N/A										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION		
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100	
370.3	0.0	3	4	4	Ground Surface							370.3	0.0	Roadway Embankment Fill: Brown and orange, fine sandy, silty CLAY (A-7-6) with roots and rock fragments
366.7	3.6	3	4	4										
361.7	8.6	5	5	6										
356.7	13.6	9	9	5										
351.9	18.4	100/0.0ft			Boring terminated with Standard Penetration Test refusal at 18.4 ft (ELEV: 351.9 ft) on Crystalline Rock: META-VOLCANIC								18.4	
Bits Used: Hollow Stem Auger 2.25" I.D.														

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