



PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY Bertie	GEOLOGIST B. Deobald/M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River (MACTEC Proj. No. 6468-04-0808)			GROUND WATER (ft) 0 HR. 0.60 24 HR.
BORING NO. MB-36			
COLLAR ELEV. 1.2 ft	NORTHING 830,177	EASTING 2,607,445	
TOTAL DEPTH 101.4 ft	DRILL MACHINE CME 45 on Buggy	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual
DATE STARTED 10/25/04	COMPLETED 10/25/04	SURFACE WATER DEPTH NA	

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
1.2					Ground								
1.2	0.0	4	3	1							M	1.2	Alluvium: Brown, f. sandy CLAY (A-6) with roots and wood
-3.6	4.8	3	7	8							W	-1.8	Alluvium: Gray, clayey, silty f. SAND (A-2-4) with trace organics
-8.6	9.8	2	4	11							Sat	-6.8	Alluvium: Gray, f. SAND (A-3) with trace organics
-13.6	14.8	8	16	10							Sat	-11.8	Alluvium: Gray, f. to cse. SAND (A-2-4) with little gravel
-18.6	19.8	2	2	4							W	-16.8	Alluvium: Gray brown, silty CLAY (A-7-6) with little organics
-23.6	24.8	2	2	4							W	-21.8	CPU: Gray, micaceous, silty CLAY (A-7-6) with trace to little organics
-28.6	29.8	2	3	4							W		
-33.6	34.8	2	4	3							W		
-38.6	39.8	3	9	11							W	-36.8	CPU: Gray, clayey, f. to cse. SAND (A-2-6)
-43.6	44.8	3	5	5							W	-41.8	CPU: Gray, f. to cse. sandy, silty CLAY (A-6) with v. thinly bedded f. to cse. SAND (A-2-4)
-48.6	49.8	8	12	18							W	-46.8	CPU: Gray, f. SAND (A-3)
-53.6	54.8	11	16	20							W	-51.8	CPU: Gray, f. to cse. SAND (A-2-4) with trace gravel V. thin hard layer at 62.5 ft.
-58.6	59.8	14	30	23							W		
-63.6	64.8	7	13	44							M	-61.3	Yorktown Fm: Dark gray, white and blue, f. sandy, clayey SILT (A-4) with trace shell frags
-68.2	69.4	12	31	53							W		
-73.7	74.9												

NCDOT BORE SINGLE 0808.GPJ NC DOT.GDT 10/26/04



PROJECT NO. 34424.1.1	ID. R-2404A	COUNTY Bertie	GEOLOGIST B. Deobald/M. Lear
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River (MACTEC Proj. No. 6468-04-0808)			GROUND WATER (ft) 0 HR. 0.60 24 HR.
BORING NO. MB-36			
COLLAR ELEV. 1.2 ft	NORTHING 830,177	EASTING 2,607,445	
TOTAL DEPTH 101.4 ft	DRILL MACHINE CME 45 on Buggy	DRILL METHOD Mud Rotary	HAMMER TYPE 140-lb Manual
DATE STARTED 10/25/04	COMPLETED 10/25/04	SURFACE WATER DEPTH NA	

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			
-73.6					Continued from previous page							
-78.7	79.9	29	49	46						95	W	Yorktown Fm: Dark gray, white and blue, f. sandy, clayey SILT (A-4) with trace shell frags (continued)
-83.7	84.9	16	24	37						61	W	Yorktown Fm: Dark green and gray, clayey, silty, f. to cse. SAND (A-2-4) with trace shell frags
-88.7	89.9	18	19	22						41	W	
-93.7	94.9	13	19	17						36	W	
-98.7	99.9	9	9	18						27	W	Yorktown Fm: Dark gray-brown, sandy, clayey SILT (A-4) with trace shell frags
		40	15	12						27	W	Boring terminated at 101.4 ft (Elev. -100.2 ft) in Yorktown Fm: V. stiff, sandy, clayey SILT (A-4) with trace shell frags.  Bits Used: 0.3' Roller Cone  Drilling Fluid Properties: 8.5 lbs/gal