



PROJECT NO. 34424.1.1		ID. R-2404A		COUNTY Bertie		GEOLOGIST B. Parks								
SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River (MACTEC Proj. No. 6468-04-0808)							GROUND WATER (ft)							
BORING NO. MB-18		BORING LOCATION			OFFSET		ALIGNMENT -L-							
COLLAR ELEV. 0.2 ft		NORTHING 830,490		US ft EASTING 2,607,891		US ft								
TOTAL DEPTH 101.1 ft		DRILL MACHINE CME 45 on Buggy			DRILL METHOD Mud Rotary		HAMMER TYPE 140-lb Manual							
DATE STARTED 10/12/04		COMPLETED 10/14/04			SURFACE WATER DEPTH 0.2 ft									
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	
0.2	0.0	1	0	1	Mud Line							0.2	0.0	
-4.8	5.0	1	2	4	● 1							-3.3	3.5	Alluvium: No recovery-MUCK
-9.4	9.6	7	14	11	● 6					M/W		-8.8	9.0	Alluvium: Tan-brown to brown, f. sandy, silty CLAY (A-7-6) w/ little to some organics and wood fragments
-14.4	14.6	3	5	3	● 25					W		-17.8	18.0	CPU: Gray, micaceous, silty, f. to cse. SAND (A-3) w/ trace organics/peat layers
-19.4	19.6	2	2	3	● 8					W		-22.8	23.0	CPU: Gray, micaceous, f. sandy, silty CLAY (A-7-6) w/ trace organics
-24.4	24.6	7	7	10	● 5					M		-32.8	33.0	CPU: Gray to dark gray, micaceous, silty, f. to cse. SAND (A-3) w/ trace to little wood fragments and organics/peat layers
-29.4	29.6	7	7	8	● 17					W		-39.9	40.1	CPU: Gray, silty CLAY (A-7-6) w/ trace to little organics
-34.4	34.6	2	2	3	● 15					M		-42.8	43.0	CPU: Gray to blue, silty, clayey, f. to cse. SAND (A-2-7)
-39.4	39.6	2	1	5	● 5					M		-47.8	48.0	CPU: Gray to blue, silty CLAY (A-7-6) w/ trace organics and v. thinly to thinly bedded, gray, silty, f. to cse. SAND (A-2-4) layers
-44.4	44.6	2	3	10	● 6					M/W		-62.8	63.0	CPU: Gray, f. to cse. SAND (A-3) w/ trace gravel
-49.4	49.6	12	14	14	● 13					W		-72.8	73.0	Yorktown Fm: Gray green to dark green, f. sandy, silty CLAY (A-7-6) w/ trace organics
-54.4	54.6	7	8	11	● 28					W				
-59.4	59.6	7	16	17	● 19					W				
-64.4	64.6	8	11	13	● 33					W				
-69.4	69.6	18	20	18	● 24					M				
-74.4	74.6				● 38					M				

NCDOT BORE SINGLE 0808.GPI_NC_DOT.GDT 10/18/04



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SITE DESCRIPTION Dual Structures on US 17 (Windsor Bypass) over Cashie River (MACTEC Proj. No. 6468-04-0808)								GROUND WATER (ft)					
BORING NO. MB-18		BORING LOCATION				OFFSET		ALIGNMENT -L-		0 HR. Water			
COLLAR ELEV. 0.2 ft		NORTHING 830,490		US ft		EASTING 2,607,891		US ft		24 HR. Boring			
TOTAL DEPTH 101.1 ft		DRILL MACHINE CME 45 on Buggy				DRILL METHOD Mud Rotary			HAMMER TYPE 140-lb Manual				
DATE STARTED 10/12/04			COMPLETED 10/14/04			SURFACE WATER DEPTH 0.2 ft							
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
-74.6					Continued from previous page								
-79.4	79.6	90	10/0.1							100/0.8	W	Yorktown Fm: Green to dark green and green-brown, silty, f. SAND (A-2-4) w/ trace to some shell fragments (continued)	
-84.4	84.6	21	42	51						93	W		
-89.4	89.6	22	33	40						73	W		
-94.4	94.6	10	16	38						54	W		
-94.4	94.6	20	33	38						71	W		
-99.4	99.6	12	23	24						47	W		
												101.1	Boring terminated at 101.1 ft (Elev. -100.9 ft) in Yorktown Fm: Dense, silty, f. SAND (A-2-4) w/ trace to little shell fragments Bits Used: 0.3' Roller Cone Drilling Fluid Properties: 8.8 lbs/gal