



MACTEC

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 1 OF 2

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							GROUND WATER (ft)						
BORING NO. MB-28							0 HR. Water						
COLLAR ELEV. 0.4 ft		NORTHING 830,448		EASTING 2,607,963			24 HR. Boring						
TOTAL DEPTH 101.2 ft		DRILL MACHINE CME 45 on Buggy		DRILL METHOD Mud Rotary		HAMMER TYPE 140-lb Manual							
DATE STARTED 10/11/04		COMPLETED 10/12/04		SURFACE WATER DEPTH 0.10									
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
0.4	0.0	4	10	12							M	0.4	Alluvium: Tan brown root mat and cypress root material.
-4.0	4.4	5	2	2							M		
-9.3	9.7	4	9	7							W	-7.6	Alluvium: Dark brown to violet, silty CLAY (A-7-6) with large root frags.
-14.3	14.7	1	3	4							W	-12.6	CPU: Tan brown, brown and green, silty CLAY (A-6) with little to some organics
-19.3	19.7	3	3	4							M		
-24.3	24.7	8	12	18							W	-22.6	CPU: Gray, micaceous, silty, f. to cse. SAND (A-3) with interbedded organic peat lenses.
-29.3	29.7	7	17	23							W		
-34.3	34.7	3	4	5							W	-32.6	CPU: Gray, micaceous, silty CLAY (A-7-6) with little to some organics
-39.3	39.7	3	4	4							W	-37.6	CPU: Gray to green, f. to cse sandy, silty CLAY (A-7-6) with trace organics
-44.3	44.7	6	22	24							M	-45.3	CPU: Gray, f. to cse. SAND (A-3)
-49.3	49.7	13	23	26							W		
-54.3	54.7	18	35	32							W		
-59.3	59.7	11	18	20							W		
-64.3	64.7	8	11	14							M	-62.6	Yorktown Fm: Gray green, micaceous, f. sandy, silty CLAY (A-7-6) with trace organics
-69.3	69.7	100/0.4									M/W	-67.6	Yorktown Fm: Gray to green, silty, f. SAND (A-2-4) with trace shell frags. and indurated lenses.
-74.3	74.7											-72.6	

NCDOT BORE SINGLE 0808.GPJ NC_DOT.GDT 10/13/04



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		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100		
-74.4		Continued from previous page														
		100/0.7														
-79.3	79.7	29	30	40							W		Yorktown Fm: Light gray to green, clayey, silty, f. to cse. SAND and shell hash GRAVEL (A-1-b) with indurated lenses (continued) 78.0			
-84.3	84.7	22	25	35							W		Yorktown Fm: Light gray to green, silty, cse. to f. SAND (A-2-4) with tr. to some shell frags.			
-89.3	89.7	7	10	38							W					
-94.3	94.7	17	25	40							W					
-99.3	99.7	10	22	22							W					
																Boring terminated at 101.2 ft (Elev. -100.8 ft) in Yorktown Formation: Dense, micaceous, clayey, silty, f. SAND (A-2-4) with tr. to little shell frags.
															Bits Used: 0.3' Roller Cone	
															Drilling Fluid Properties: 8.9 lbs/gal	