



MACTEC

PROJECT NO. 36722.1.1		ID. F-4700		COUNTY Currituck		GEOLOGIST M. Lear									
SITE DESCRIPTION Currituck and Knotts Island Ferry Basins (MACTEC Proj. No. 6468-03-0470)							GROUND WATER (ft)								
BORING NO. EB-2		BORING LOCATION			OFFSET		ALIGNMENT								
COLLAR ELEV. 7.9 ft		NORTHING 1,008,992		US ft		EASTING 2,903,480		US ft							
TOTAL DEPTH 38.9 ft		DRILL MACHINE CME-45, Trailer			DRILL METHOD Mud Rotary		HAMMER TYPE 140 lb Manual								
DATE STARTED 11/20/03			COMPLETED 11/20/03			SURFACE WATER DEPTH 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		
7.9					Ground Surface										
7.9	0.0	5	14	12									7.9	0.0	Roadway Embankment Fill: Brown, silty, f. to cse. SAND (A-2-4) w/ roots and trace gravel
4.2	3.7	5	6	6									4.9	3.0	CPU: Tan, silty, f. to cse. SAND (A-3) locally w/ trace to little gravel
0.5	7.4	7	8	9											
-4.5	12.4	12	12	17											
-9.5	17.4	10	16	20											
-14.5	22.4	8	11	15											
-19.5	27.4	5	7	10											
-24.5	32.4	5	5	6									-23.1	31.0	CPU: Tan, silty, f. to cse. SAND (A-1-b)
-29.5	37.4	10	7	7									-28.1	38.0	CPU: Tan, silty, f. to cse. SAND (A-3) w/ trace gravel
													-31.0	38.9	Boring terminated at 38.9ft (Elev.-31.0ft) in CPU: Medium dense, silty, f. to cse. SAND (A-3) with trace gravel Bits Used: 2.5" finger bit Drilling Fluid Properties: 8.9 lbs/gal

NCDOT BORE SINGLE KNOTTS.GPJ NC DOT.GDT 1/16/04