



PROJECT NO. 8.1040601		ID. B-3445		COUNTY CURRITUCK		GEOLOGIST S. JOHNSON							
SITE DESCRIPTION Replacement of Bridge No. 7 on N.C. 615 Over Corey's Ditch						GROUND WATER (ft)							
BORING NO. B2-B		BORING LOCATION 24+24.8		OFFSET 2.2 ft RT		ALIGNMENT -L-							
COLLAR ELEV. -25.5 ft		NORTHING 1,029,139.3		EASTING 2,889,425.2		0 HR. N/A							
TOTAL DEPTH 95.8 ft		DRILL MACHINE Diedrich D-50		DRILL METHOD ROTARY WASH W/ NW CASING & 2-15/16" DRAG BIT		HAMMER TYPE MANUAL							
DATE STARTED 8/7/01		COMPLETED 8/7/01		SURFACE WATER DEPTH 26.4 ft									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	L O G	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
0.9													DITCH LEVEL
-25.5	0.0												DITCH BOTTOM
-29.1	3.6	1	1	1							SS-1 52.2%		ALLUVIUM: VERY SOFT GRAY FINE SANDY SILTY CLAY (A-6)
-34.1	8.6	10	10	7							Sat.		UNDIFFERENTIATED COASTAL PLAIN DEPOSITS: MEDIUM DENSE DARK GRAY SILTY FINE SAND WITH TRACE SHELL FRAGMENTS (A-2-4)
-39.1	13.6	4	3	2							W		MEDIUM STIFF GRAY FINE SANDY SILT WITH TRACE SHELL FRAGMENTS (A-4)
-44.8	19.3	8	11	14							Sat.		MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
-49.8	24.3	2	3	3							W		MEDIUM STIFF DARK GRAY-GREEN SILTY FINE SANDY CLAY WITH TRACE SHELL MATERIAL (A-6)
-54.8	29.3	3	2	3							W		MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE SHELL MATERIAL (A-7-6)
-59.8	34.3	3	3	3							W		
-64.8	39.3	3	3	4							W		
-69.8	44.3	3	3	3							W		

118.GPJ NCDOT.GDT 8/28/01  
NCDOT BORE SIN'



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		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
-73.9													Continued from previous page
-74.8	49.3	2	3	3								W	MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE SHELL MATERIAL (A-7-6) (continued)
-79.8	54.3	2	3	3								W	
-84.8	59.3	2	3	3								W	
-89.8	64.3	3	3	4								W	
-94.8	69.3	3	3	4								W	
-99.8	74.3	3	3	3								W	
-104.8	79.3	3	4	5								SS-17 48.8%	
-109.8	84.3	3	4	5								W	
-114.8	89.3	6	9	7								Sat.	MEDIUM DENSE TO DENSE DARK GRAY SLIGHTLY CLAYEY SILTY FINE SAND WITH LITTLE SHELL MATERIAL (A-2-4)
-119.8	94.3	10	15	22								Sat.	
													BORING TERMINATED AT ELEV. -121.3' IN DENSE SILTY FINE SAND

118.GPJ NCDOT.GDT 8/28/01  
NCDOT BORE SINGLE

- 1) SET 34.3' OF NW CASING (TEMPORARY CASING 30.3').
- 2) DRILLED FROM EXISTING BRIDGE DECK, ELEV. 4.8'.
- 3) ADVANCED NW CASING TO 13.6'.
- 4) ADVANCED 2-15/16" DRAG BIT TO 94.3'.
- 5) WATER FROM SOUND USED AS DRILLING FLUID.
- 6) TYPICAL DRILLING FLUID DENSITY 62.4pcf.
- 7) NO DRILLING FLUID LOSS OBSERVED.