



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. EB1-B		BORING LOCATION 23+31.7		OFFSET 15.9 ft RT		ALIGNMENT -L-							
COLLAR ELEV. 4.4 ft		NORTHING 1,029,116.1		EASTING 2,889,516.4		0 HR. N/A							
TOTAL DEPTH 125.5 ft		DRILL MACHINE Diedrich D-50		DRILL METHOD 3/4" H.S.A. & ROTARY WASH W/ 2-15/16" DRAG BIT		HAMMER TYPE MANUAL							
DATE STARTED 8/9/01		COMPLETED 8/10/01		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
4.4													PAVEMENT SURFACE
0.8	3.6	3	3	2							SS-1	35.5%	ASPHALT
-4.2	8.6	1	1	4							SS-2	19.8%	ROADWAY EMBANKMENT FILL: LOOSE BROWN SILTY FINE SAND (A-2-4)
-9.2	13.6	WOH	WOH	1							W		ALLUVIUM: MEDIUM STIFF GRAY SLIGHTLY FINE SANDY SILTY CLAY (A-6)
-14.2	18.6										W		MEDIUM STIFF GRAY FINE SANDY CLAYEY SILT WITH TRACE ORGANIC MATTER (A-4)
-14.2	18.6	1	7	10							W		VERY SOFT GRAY FINE SANDY CLAYEY SILT (A-4)
-14.2	18.6										W		UNDIFFERENTIATED COASTAL PLAIN DEPOSITS: MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
-14.2	18.6										SS-5	Sat.	LOOSE GRAY COARSE TO FINE SAND WITH TRACE OF CLAY (A-3)
-24.6	29.0	3	3	5							Sat.		LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND (A-2-4)
-29.6	34.0	6	7	4							Sat.		
-34.6	39.0	2	1	2							Sat.		VERY LOOSE GRAY SILTY FINE SAND WITH LITTLE SHELL FRAGMENTS (A-2-4)
-39.6	44.0	3	2	3							W		MEDIUM STIFF GRAY TO DARK GRAY AND GREEN SILTY FINE SANDY CLAY WITH TRACE OF SHELL FRAGMENTS (A-6)
-44.6	49.0	2	3	3							SS-10	W	
-49.6	54.0	2	3	4							W		MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE OF SHELL MATERIAL (A-7-6)
-54.6	59.0	3	3	4							W		
-59.6	64.0	3	4	4							W		
-64.6	69.0	3	5	6							W		
-69.6	74.0										W		

NCDOT BORE SINC 18.GPJ NCDOT.GDT 8/29/01



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DATE STARTED 8/9/01		COMPLETED 8/10/01		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
-70.4													Continued from previous page
-74.6	79.0	3	3	4							W		MEDIUM STIFF TO STIFF DARK GRAY-GREEN SILTY CLAY WITH TRACE OF SHELL MATERIAL (A-7-6) (continued)
-79.6	84.0	3	3	6							W		
-84.6	89.0	3	3	3							W		
-89.6	94.0	3	3	4							W		
-94.6	99.0	4	3	6							W		
-99.6	104.0	3	3	4							W		
-104.6	109.0	3	4	5							W		
-109.6	114.0	5	5	8							W		
-114.6	119.0	13	22	14							No Rec		DENSE GRAY TO DARK GRAY SILTY FINE SAND WITH LITTLE SHELL MATERIAL (A-2-4)
-119.6	124.0	15	24	25							Sat.		
													BORING TERMINATED AT ELEV. -121.1' IN DENSE SILTY FINE SAND
													1) ADVANCED 3-1/4" H.S.A. TO 33.6' 2) ADVANCED 2-15/16" DRAG BIT TO 124.0' 3) WATER FROM SOUND USED AS DRILLING FLUID. 4) TYPICAL DRILLING FLUID DENSITY 62.4pcf. 5) NO DRILLING FLUID LOSS OBSERVED.

NCDOT BORE SINGLE 51-118.GPJ NCDOT.GDT 8/29/01