



OBJECT NO.		ID.		COUNTY		GEOLOGIST							
8.1040601		B-3445		CURRITUCK		S. JOHNSON							
SITE DESCRIPTION Replacement of Bridge No. 7 on N.C. 615 Over Corey's Ditch							GROUND WATER (ft)						
BORING NO. B1-B		BORING LOCATION 23+76.8		OFFSET 2.2 ft RT		ALIGNMENT -L-		0 HR. N/A					
COLLAR ELEV. -7.6 ft		NORTHING 1,029,120.8		EASTING 2,889,469.5				24 HR. N/A					
TOTAL DEPTH 118.4 ft		DRILL MACHINE Diedrich D-50		DRILL METHOD ROTARY WASH W/ NW CASING & 2-15/16" DRAG BIT		HAMMER TYPE MANUAL							
DATE STARTED 8/8/01		COMPLETED 8/8/01		SURFACE WATER DEPTH 8.6 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
1.0													DITCH LEVEL
													DITCH BOTTOM
-7.6	0.0	1	1	2									ALLUVIUM: LOOSE BLACK SILTY FINE SAND WITH GRAVEL AND ASPHALT DEBRIS (A-2-4)
-14.0	6.4	1	7	7									UNDIFFERENTIATED COASTAL PLAIN DEPOSITS: STIFF DARK GRAY FINE SANDY SILT WITH SAND LAYERS (A-4)
-19.0	11.4	8	11	8									MEDIUM DENSE DARK GRAY TO GRAY SLIGHTLY SILTY FINE SAND WITH TRACE OF SHELL FRAGMENTS AND SILT SEAMS (A-2-4)
-24.0	16.4	1	4	9									
-29.0	21.4	7	7	10									
-34.0	26.4	1	1	2									
-39.0	31.4	12	18	18									
-44.0	36.4	2	3	3									
-49.0	41.4	4	4	7									
-54.5	46.9	4	4	5									
-59.5	51.9	2	4	4									
-64.5	56.9	3	3	5									
-69.5	61.9	3	3	4									

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



PROJECT NO.		ID.		COUNTY		GEOLOGIST							
8.1040601		B-3445		CURRITUCK		S. JOHNSON							
SITE DESCRIPTION Replacement of Bridge No. 7 on N.C. 615 Over Corey's Ditch							GROUND WATER (ft)						
BORING NO. B1-B		BORING LOCATION 23+76.8		OFFSET 2.2 ft RT		ALIGNMENT -L-		0 HR. N/A					
COLLAR ELEV. -7.6 ft		NORTHING 1,029,120.8		EASTING 2,889,469.5				24 HR. N/A					
TOTAL DEPTH 118.4 ft		DRILL MACHINE Diedrich D-50		DRILL METHOD ROTARY WASH W/ NW CASING & 2-15/16" DRAG BIT		HAMMER TYPE MANUAL							
DATE STARTED 8/8/01		COMPLETED 8/8/01		SURFACE WATER DEPTH 8.6 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
-73.8													
-74.5	66.9	2	3	4									
-79.5	71.9	2	3	4									
-84.5	76.9	3	2	4									
-89.5	81.9	3	4	5									
-94.5	86.9	3	4	4									
-99.5	91.9	2	3	4									
-104.5	96.9	4	3	6									
-109.5	101.9	4	4	6									
-114.5	106.9	5	6	10									
-119.5	111.9	9	15	14									
-124.5	116.9	11	15	24									

118.GPJ NCDOT.GDT 8/28/01
NCDOT BORE SINGLE 51-118.GPJ NCDOT.GDT 8/28/01

- 1) SET 41.4' OF NW CASING (TEMPORARY CASING 12.5').
- 2) DRILLED FROM EXISTING BRIDGE DECK, ELEV. 4.9'.
- 3) ADVANCED NW CASING TO 41.4'.
- 4) ADVANCED 2-15/16" DRAG BIT TO 116.9'.
- 5) WATER FROM SOUND USED AS DRILLING FLUID.
- 6) TYPICAL DRILLING FLUID DENSITY 62.4pcf.
- 7) NO DRILLING FLUID LOSS OBSERVED.