

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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PROJECT NO. 33394.I.I		ID. B-4027		COUNTY BERTIE		GEOLOGIST J. L. STONE									
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1219 OVER CASHIE RIVER							GROUND WATER								
BORING NO. B3-A		BORING LOCATION 19+00		OFFSET 7.5' LT		ALIGNMENT -L-									
COLLAR ELEVATION 34.9'		NORTHING 0.00		EASTING 0.00		0 HR. N/A									
TOTAL DEPTH 78.1'		DRILL MACHINE CME-45C		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC									
START DATE 3/3/05		COMPLETION DATE 3/3/05		SURFACE WATER DEPTH 5.9'		DEPTH TO ROCK N/A									
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION		
		0.5'	0.5'	0.5'		0	25	50	75	100					
34.9	0.0	WOH	2	4	I	X 6								SS-1	GRAY FINE TO COARSE SAND SAT. (ALLUVIUM)
30.0	4.2	WOHWOHWOH			I	X WOH							76%	SS-2	GRAY SILTY CLAY, WET (YORKTOWN FORMATION)
	6.6	WOHWOHWOH			I	X WOH									
25.0	11.6	WOHWOH	1		I	X 1								SS-3	
20.0	16.6	4	7	10	I	X 17								SS-4	
15.0	21.6	WOHWOHWOH			I	X WOH								SS-5	GRAY SILTY FINE SAND, SAT.
10.0	26.6	2	3	2	I	X 5								SS-6	GRAY SILTY SANDY CLAY, WET
5.0	31.6	2	3	7	I	X 10								SS-7	
0.0	36.6	5	8	11	I	X 19								SS-8	GRAY FINE SAND, SAT.
-5.0	41.6	3	4	5	I	X 9									
-10.0	46.6	2	2	4	I	X 6									
-15.0	51.6	11	21	25	I	X 46									
-20.0	56.6	13	18	21	I	X 39								SS-9	
-25.0	61.6	7	11	12	I	X 23								SS-10	
-30.0	66.6	15	18	24	I	X 42									GRAY SILTY CLAY AND CLAYEY SANDY SILT, WET (CAPE FEAR FORMATION)
-35.0	71.6	12	21	28	I	X 49								SS-II	
-40.0	76.6	9	14	21	I	X 35									
BORING TERMINATED AT ELEVATION -43.2' IN HARD SANDY CLAYEY SILT.															

PROJECT NO. 33394.I.I		ID. B-4027		COUNTY BERTIE		GEOLOGIST M.M. HAGER									
SITE DESCRIPTION BRIDGE NO. 11 ON SR 1219 OVER CASHIE RIVER							GROUND WATER								
BORING NO. EB2-B		BORING LOCATION 19+34		OFFSET 15' RT		ALIGNMENT -L-									
COLLAR ELEVATION 45.5'		NORTHING 0.00		EASTING 0.00		0 HR. N/A									
TOTAL DEPTH 70.2'		DRILL MACHINE MOBILE B-47		DRILL METHOD ROTARY W/MUD		HAMMER TYPE MANUAL									
START DATE 7/21/03		COMPLETION DATE 7/21/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A									
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG MOI.	SOIL AND ROCK DESCRIPTION		
		0.5'	0.5'	0.5'		0	25	50	75	100					
45.5	0.0	3	6	6	I	X 12									
45.0	4.1	2	1	4	I	X 5									TAN BROWN FINE TO COARSE SAND, DRY TO SAT. (ROADWAY EMBANKMENT)
40.0	8.7	7	9	10	I	X 19									BROWN FINE TO COARSE SAND, SAT. (ALLUVIUM)
35.0	13.7	1	1	2	I	X 3									GRAY SILTY CLAY, WET (YORKTOWN FORMATION)
30.0	18.7	WOR	WOR	WOR	I	X WOR									
25.0	23.7	1	4	7	I	X 11									
20.0	28.7	9	5	7	I	X 12									
15.0	33.7	1	1	2	I	X 3									
10.0	38.7	5	9	10	I	X 19									
5.0	43.7	7	13	20	I	X 33									GRAY FINE TO COARSE SAND AND FINE SANDY SILT, SAT.
0.0	48.7	8	14	16	I	X 30									
-5.0	53.7	2	4	5	I	X 9									
-10.0	58.7	9	10	21	I	X 31									
-15.0	63.7	10	18	20	I	X 38									
-20.0	68.7	17	18	21	I	X 39									GRAY SANDY SILTY CLAY, WET (CAPE FEAR FORMATION)
BORING TERMINATED AT ELEVATION -24.7' IN HARD SANDY SILTY CLAY															