

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.1442601	ID. U-0620	COUNTY CUMBERLAND	GEOLOGIST M. M. HAGER				
SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD			GROUND WATER				
NG NO. EBI-B (RT. LN.)	BORING LOCATION 159+60	OFFSET 45.0' RT.	ALIGNMENT -L-				
COLLAR ELEVATION 149.6'	NORTHING	EASTING	0 HR. N.M. 24 HR. 1.6'				
TOTAL DEPTH 59.4'	DRILL MACHINE CME-45C	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC				
START DATE 5/20/03	COMPLETION DATE 5/20/03	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
149.6	0.0	1	2				
145.0	3.9	4	5	4	1	X 4	TAN FINE TO COARSE SAND, MOI. TO WET (COASTAL PLAIN)
140.0	7.9	13	42	58	0.7	X 9	ORANGE INDURATED CLAYEY SAND, SAT.
135.0	12.9	12	12	8	1	X 20	TAN FINE TO COARSE SAND, SAT. (BLACK CREEK FORMATION)
130.0	17.9	11	1	7	1	X 8	
125.0	22.9	19	31	17	1	X 48	GRAY AND ORANGE FINE TO COARSE SAND, SAT.
120.0	27.9	54	100		0.6	100+X	
115.0	32.9	12	45	55	0.8	100+X	GRAY SILTY SANDY CLAY, WET
110.0	37.9	100			0.3	100+X	
105.0	42.9	55	45		0.8	100+X	
100.0	47.9	16	37	54	1	91X	
95.0	52.9	4	11	10	1	X 21	GRAY CLAYEY FINE TO COARSE SAND, SAT.
90.0	57.9	15	24	42	1	X 66	
85.0							BORING TERMINATED AT ELEV. 90.2 FEET IN VERY DENSE CLAYEY FINE TO COARSE SAND

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SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD			GROUND WATER				
BORING NO. EBI-A (LT. LN.)	BORING LOCATION 160+05	OFFSET 48.0' LT.	ALIGNMENT -L-				
COLLAR ELEVATION 156.8'	NORTHING	EASTING	0 HR. N.M. 24 HR. 8.6'				
TOTAL DEPTH 68.8'	DRILL MACHINE CME-45C	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC				
START DATE 5/13/03	COMPLETION DATE 5/13/03	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
156.8	0.0	1	1				
155.0	3.7	3	3	3	1	X 2	TAN FINE TO COARSE SAND, MOI. TO SAT. (COASTAL PLAIN)
150.0	7.3	3	3	4	1	X 6	
145.0	12.3	6	6	3	1	X 7	SS-2
140.0	17.3	2	3	5	1	X 9	SS-3
135.0	22.3	1	1	3	1	X 8	SS-4
130.0	27.3	4	6	6	1	X 4	41% TAN TO ORANGE CLAYEY FINE TO COARSE SAND, SAT.
125.0	32.3	6	8	7	1	X 12	SS-5
120.0	37.3	1	3	2	1	X 15	GRAY FINE TO COARSE SAND, SAT.
115.0	42.3	15	31	40	1	X 5	
110.0	47.3	27	28	22	1	X 71	SS-6
105.0	52.3	31	20	14	1	X 50	GRAY FINE TO COARSE SAND WITH THIN CLAY LAYERS, SAT.
100.0	57.3	5	7	12	1	X 34	
95.0	62.3	4	5	5	1	X 19	SS-7
90.0	67.3	3	4	7	1	X 10	
85.0							SS-8
							BORING TERMINATED AT ELEV. 88.0 FEET IN MEDIUM DENSE CLAYEY FINE TO COARSE SAND