

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.1442601	ID. U-0620	COUNTY CUMBERLAND	GEOLOGIST A. NASH				
SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD			GROUND WATER				
BORING NO. EB2-B (RT. LN.)	BORING LOCATION 162+18	OFFSET 36.0' RT.	ALIGNMENT -L-				
COLLAR ELEVATION 151.9'	NORTHING	EASTING	0 HR. N.M. 24 HR. 0.0'				
TOTAL DEPTH 53.6'	DRILL MACHINE CME-45	DRILL METHOD H.S. AUGERS	HAMMER TYPE MANUAL				
START DATE 7/3/03	COMPLETION DATE 7/3/03	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5' 1.0' 1.5'		0 25 50 75 100			
151.9	0.0	WOH	WOH	1		X1	
150.0	3.2	2	2	4		X6	SS-34 BROWN TAN AND ORANGE CLAYEY FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
145.0	8.2	1	2	2		X4	
140.0	12.1	8	9	16		X25	
135.0	17.1	3	4	6		X10	SS-35 DARK GRAY AND ORANGE SILTY SANDY CLAY, WET (BLACK CREEK FORMATION)
130.0	22.1	2	3	2		X5	
125.0	27.1	3	3	2		X5	SS-36 RED AND ORANGE CLAYEY FINE TO COARSE SAND, SAT.
120.0	32.1	4	8	13		X21	GRAY AND ORANGE SILTY FINE SANDY CLAY, WET
115.0	37.1	26	74		0.9	100+X	SS-37 GRAY SILTY SANDY CLAY WITH CARBONIZED WOOD FRAGMENTS, WET
110.0	42.1	45	55		0.8	100+X	
105.0	47.1	22	30	45		X75	
100.0	52.1	20	33	33		X65	
95.0							BORING TERMINATED AT ELEV. 98.3 FEET IN VERY DENSE CLAYEY SAND

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PROJECT NO. 8.1442601	ID. U-0620	COUNTY CUMBERLAND	GEOLOGIST A. NASH				
SITE DESCRIPTION DUAL BRIDGES ON HOPE MILLS BYPASS OVER CSX RAILROAD			GROUND WATER				
BORING NO. EB2-A (LT. LN.)	BORING LOCATION 162+56	OFFSET 40.0' LT.	ALIGNMENT -L-				
COLLAR ELEVATION 153.1'	NORTHING	EASTING	0 HR. N.M. 24 HR. 0.1'				
TOTAL DEPTH 55.6'	DRILL MACHINE CME-45	DRILL METHOD H.S. AUGERS	HAMMER TYPE MANUAL				
START DATE 7/7/03	COMPLETION DATE 7/7/03	SURFACE WATER DEPTH					
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT	PEN. (FT.)	BLOWS PER FOOT	SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION
		0.5' 1.0' 1.5'		0 25 50 75 100			
153.1							
150.0	4.3	0.0	1	1		X2	SS-29 TAN AND ORANGE CLAYEY FINE TO COARSE SAND, SAT. (COASTAL PLAIN)
145.0	8.7	WOR	1	WOR		X1	
140.0	14.1	4	4	6		X10	SS-30 DARK GRAY SILTY CLAY, WET (BLACK CREEK FORMATION)
135.0	19.1	3	10	11		X21	
130.0	24.1	3	3	4		X7	
125.0	29.1	4	4	5		X9	SS-31 GRAY AND RED CLAYEY FINE TO COARSE SAND, SAT.
120.0	34.1	4	4	5		X9	GRAY FINE TO COARSE SAND WITH LIGNITE AND CARBONIZED WOOD, SAT.
115.0	39.1	13	26	18		X44	SS-32 LIGHT GRAY CLAYEY FINE TO COARSE SAND, SAT.
110.0	44.1	100			0.4	100+X	
105.0	49.1	61	49		0.7	100+X	SS-33 LIGHT GRAY SANDY CLAY, WET
100.0	54.1	13	36	47		X83	GRAY SILTY CLAY, WET
95.0							BORING TERMINATED AT ELEV. 97.5 FEET IN HARD SILTY CLAY