

# 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						
BORING NO. BI-B (RT. LN.)		BORING LOCATION 160+96		OFFSET 42.0' RT.		ALIGNMENT -L-							
COLLAR ELEVATION 151.8'		NORTHING		EASTING		0 HR. N.M.							
TOTAL DEPTH 59.2'		DRILL MACHINE CME-45C		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC							
START DATE 5/14/03		COMPLETION DATE 5/14/03		SURFACE WATER DEPTH									
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75				
151.8	0.0	1	1	0	1								
150.0	3.7	1	0	2	1								SS-17
145.0	7.2	3	4	5	1								SS-18
140.0	12.2	4	4	5	1								
135.0	17.2	3	3	3	1								
130.0	22.2	2	3	3	1								SS-19
125.0	27.2	6	9	10	1								SS-20
120.0	32.2	10	11	11	1								
115.0	37.2	4	11	73	1								
110.0	42.2	43	100	0.7									SS-21
105.0	47.2	15	44	47	1								
100.0	52.2	11	23	37	1								SS-22
95.0	58.1	23	38	62	0.6								
90.0													
85.0													
80.0													

BORING TERMINATED AT  
ELEV. 92.6 FEET IN HARD  
SILTY SANDY CLAY

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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						
BORING NO. BI-A (LT. LN.)		BORING LOCATION 161+24		OFFSET 44.0' LT.		ALIGNMENT -L-							
COLLAR ELEVATION 154.0'		NORTHING		EASTING		0 HR. N.M.							
TOTAL DEPTH 58.7'		DRILL MACHINE CME-45C		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC							
START DATE 5/14/03		COMPLETION DATE 5/14/03		SURFACE WATER DEPTH									
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75				
154.0	0.0	1	1	2	1								
150.0	3.7	WOH	WOH	1	1								SS-9
145.0	7.2	3	4	6	1								
140.0	12.2	3	1	1	1								SS-10
135.0	17.2	4	7	7	1								SS-11
130.0	22.2	4	5	5	1								SS-12
125.0	27.2	7	12	11	1								
120.0	32.2	5	26	41	1								SS-13
115.0	37.2	14	23	19	1								SS-14
110.0	42.2	12	30	50	1								
105.0	47.2	32	32	66	1								SS-15
100.0	52.2	10	23	20	1								SS-16
95.0	57.2	9	17	14	1								
90.0													
85.0													
80.0													

BORING TERMINATED AT  
ELEV. 95.3 FEET IN HARD  
SILTY FINE SANDY CLAY