

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 2

PROJECT NO. 8.2301501		ID. B-4134		COUNTY HALIFAX		GEOLOGIST K.B. QUICK								
SITE DESCRIPTION BRIDGE NO. 77 ON SR 1105 OVER TRIBUTARY OF DEEP CREEK							GROUND WATER							
BORING NO. EB2-B		BORING LOCATION 14+76		OFFSET 6.0' RT.		ALIGNMENT -L-								
COLLAR ELEVATION 87.8'		NORTHING 0.00		EASTING 0.00		0 HR. N.M.								
TOTAL DEPTH 99.7'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 3/11/03		COMPLETION DATE 3/12/03		SURFACE WATER DEPTH										
ELEV.	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
87.8	0.5	10	11	9										ASPHALT
85.0	4.2	4	2	1										TAN SILTY FINE TO COARSE SAND, MOI. (FILL)
80.0	8.2	WOH	WOH	WOH										TAN AND GRAY SANDY SILT AND SILTY CLAY, MOI. TO WET (ALLUVIUM)
75.0	13.2	3	5	8										GRAY FINE TO COARSE SAND WITH GRAVEL, SAT.
70.0	18.2	2	1	1										
65.0	23.2	1	1	1										
60.0	28.2	WOH	WOH	1										
55.0	33.2	WOH	3	5										GRAY SILTY FINE TO COARSE SAND WITH SOME SHELLS, SAT. (YORKTOWN FORMATION)
50.0	38.2	3	2	4										
45.0	43.2	4	4	5										
40.0	48.2	4	3	4										
35.0	53.2	2	1	2										
30.0	58.2	6	8	9										
25.0	63.2	6	6	9										GRAY SILTY CLAY, WET (CAPE FEAR FORMATION)
20.0	68.2	11	15	17										
15.0	73.2	4	8	10										GRAY FINE TO COARSE SAND AND SILTY CLAYEY SAND, SAT.
10.0	78.2	5	10	8										

(13)

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

SHEET 2 OF 2

PROJECT NO. 8.2301501		ID. B-4134		COUNTY HALIFAX		GEOLOGIST K.B. QUICK								
SITE DESCRIPTION BRIDGE NO. 77 ON SR 1105 OVER TRIBUTARY OF DEEP CREEK							GROUND WATER							
BORING NO. EB2-B		BORING LOCATION 14+76		OFFSET 6.0' RT.		ALIGNMENT -L-								
COLLAR ELEVATION 87.8'		NORTHING 0.00		EASTING 0.00		0 HR. N.M.								
TOTAL DEPTH 99.7'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 3/11/03		COMPLETION DATE 3/12/03		SURFACE WATER DEPTH										
ELEV.	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		0.5'	0.5'	0.5'		0	25	50	75	100				
8.0														
3.0	83.2	8	12	9										GRAY FINE TO COARSE SAND AND SILTY CLAYEY SAND, SAT.
-2.0	88.2	9	11	11								SS-30		
-7.0	93.2	8	10	18								SS-31		GRAY SILTY CLAY, WET
-12.0	98.2	13	23	28										
-17.0														
-22.0														
-27.0														
-32.0														
-37.0														
-42.0														
-47.0														
-52.0														
-57.0														
-62.0														
-67.0														
-72.0														

BORING TERMINATED AT  
 ELEV. -11.9' IN HARD GRAY  
 SILTY CLAY