NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.1331701	ID. B-371I	COUNTY WAYNE	GEOLOGIST M.M. HAGER
SITE DESCRIPTION BRIDGE NO. 42 ON NC 111 OVER NEUSE RIVER OVERFLOW			GROUND WATER
BORING NO. EBI-B	BORING LOCATION 17+91	OFFSET 20.0' RT.	ALIGNMENT -L-	0 HR. N.M.
COLLAR ELEVATION 62.9'	NORTHING 0.00	EASTING 0.00	24 HR. 12.0'
TOTAL DEPTH 69.1'	DRILL MACHINE CME-45B	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC
START DATE 9/4/03	COMPLETION DATE 9/4/03	SURFACE WATER DEPTH	

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
62.9	0.0	2	3	3	1	X 6				
60.0	3.7	3	1	2	1	X 3	SS-14			TAN BROWN SILTY FINE TO COARSE SAND AND SILTY CLAYEY SAND, MOI. (FILL)
55.0	7.6	1	2	1	1	X 3	SS-15			
50.0	12.6	WOH	1	2	1	X 3		▼		TAN GRAY SILTY FINE TO COARSE SAND, MOI. TO SAT. (ALLUVIUM)
45.0	17.6	2	4	6	1	X 10	SS-16			
40.0	22.6	4	5	5	1	X 10				TAN TO GRAY FINE TO COARSE SAND WITH, SAT. (BLACK CREEK FORMATION)
35.0	27.6	9	6	5	1	X 11	SS-17			
30.0	32.6	7	6	9	1	X 15	SS-18			
25.0	37.6	7	13	15	1	X 28				
20.0	42.6	14	15	18	1	X 33	SS-19			TAN TO GRAY FINE TO COARSE SAND WITH THIN CLAY LENSES AND SOME LIGNITE, SAT.
15.0	47.6	11	19	27	1	X 46				
10.0	52.6	12	18	23	1	X 41	SS-20			
5.0	57.6	10	17	22	1	X 39				
0.0	62.6	9	16	22	1	X 38	SS-21			
-5.0	67.6	5	16	21	1	X 37				
-10.0						BORING TERMINATED AT ELEV. -6.2' IN DENSE FINE TO COARSE SAND				

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SHEET 1 OF 1

PROJECT NO. 8.1331701	ID. B-371I	COUNTY WAYNE	GEOLOGIST K.B. QUICK
SITE DESCRIPTION BRIDGE NO. 42 ON NC 111 OVER NEUSE RIVER OVERFLOW			GROUND WATER
BORING NO. BI-A	BORING LOCATION 18+28	OFFSET 8.0' LT.	ALIGNMENT -L-	0 HR. N.M.
COLLAR ELEVATION 51.6'	NORTHING 0.00	EASTING 0.00	24 HR. 2.0'
TOTAL DEPTH 61.8'	DRILL MACHINE CME-45B	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC
START DATE 9/24/03	COMPLETION DATE 9/24/03	SURFACE WATER DEPTH	

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5'	0.5'	0.5'	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
51.6	0.0	1	1	1	1	X 2				
50.0								▼		
45.0	5.8	4	5	5	1	X 10	SS-30			TAN GRAY FINE TO COARSE SAND, MOI. TO SAT. (ALLUVIUM)
40.0	10.3	3	4	6	1	X 10				
35.0	15.3	5	6	5	1	X 11				
30.0	20.3	5	6	7	1	X 13	SS-31			TAN GRAY SANDY SILT, WET (BLACK CREEK FORMATION)
25.0	25.3	4	4	8	1	X 12				
20.0	30.3	17	20	16	1	X 36	SS-32			TAN TO GRAY FINE TO COARSE SAND WITH THIN CLAY LENSES AND SOME LIGNITE, SAT.
15.0	35.3	11	15	22	1	X 37				
10.0	40.3	11	15	23	1	X 38				
5.0	45.3	14	22	36	1	X 58	SS-33			
0.0	50.3	10	16	25	1	X 41				
-5.0	55.3	17	25	27	1	X 52	SS-34			
-10.0	60.3	26	25	39	1	X 64				
-15.0						BORING TERMINATED AT ELEV. -10.2' IN VERY DENSE FINE TO COARSE SAND				
-20.0										