

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.2271401	ID. B-3887	COUNTY PENDER	GEOLOGIST K. B. QUICK
SITE DESCRIPTION BRIDGE NO. 116 ON SR 1520 OVER SHAKEN CREEK			GROUND WATER
LG NO. B2-A	BORING LOCATION 15+91	OFFSET 6.0' LT.	ALIGNMENT -L-
COLLAR ELEVATION 5.6'	NORTHING	EASTING	0 HR. N.M. 24 HR. N.M.
TOTAL DEPTH 59.0'	DRILL MACHINE CME-45B	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC
START DATE 8/19/03	COMPLETION DATE 8/19/03	SURFACE WATER DEPTH 0.3'	

ELEV. (FT.)	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			
5.6	0.0	WOH	WOH	1	1							
	2.7	WOH	WOH	WOH	1							SS-18
0.0	5.0	WOH	WOH	1	1							BROWN FINE SAND, SAT. (ALLUVIUM)
	7.5	1	0	3	1							SS-19
-5.0	10.0	2	1	2	1							SS-20
	12.5	2	1	4	1							
-10.0	15.0	2	5	4	1							SS-20
	17.5	6	4	6	1							GRAY SILTY SANDY CLAY, WET (TERTIARY SEDIMENTS)
-15.0	20.0	9	18	82	0.7							SS-21
	22.5	6	22	6	1							
-20.0	27.5	32	26	18	1							SS-22
-25.0	32.5	33	21	32	1							
-30.0	37.5	8	10	15	1							SS-23
-35.0	42.5	22	9	10	1							GRAY FINE TO COARSE INDURATED SAND WITH LIMESTONE FRAGMENTS, SAT. (PEEDEE FORMATION)
-40.0	47.5	6	7	10	1							SS-24
-45.0	52.5	12	8	13	1							
-50.0	57.5	9	13	13	1							SS-25
-55.0												
-60.0												
-65.0												

BORING TERMINATED AT ELEV. -53.4 FEET IN MEDIUM DENSE FINE SAND

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PROJECT NO. 8.2271401	ID. B-3887	COUNTY PENDER	GEOLOGIST K. B. QUICK
SITE DESCRIPTION BRIDGE NO. 116 ON SR 1520 OVER SHAKEN CREEK			GROUND WATER
BORING NO. EB2-B	BORING LOCATION 16+23	OFFSET 6.0' RT.	ALIGNMENT -L-
COLLAR ELEVATION 16.1'	NORTHING	EASTING	0 HR. N.M. 24 HR. 9.7'
TOTAL DEPTH 59.8'	DRILL MACHINE CME-45B	DRILL METHOD ROTARY W/MUD	HAMMER TYPE AUTOMATIC
START DATE 8/15/03	COMPLETION DATE 8/15/03	SURFACE WATER DEPTH N/A	

ELEV. (FT.)	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			
16.1	0.0											
15.0	1.7	4	5	6	1							SS-9
	5.0	5	3	2	1							TAN FINE SAND, MOI. (FILL)
10.0	8.3	1	1	WOH	1							SS-10
	13.3	WOH	1	3	1							BROWN FINE SAND, MOI. TO SAT. (ALLUVIUM)
-5.0	18.3	4	30	12	1							SS-11
-10.0	23.3	3	9	16	1							SS-12
-15.0	28.3	3	4	6	1							
-20.0	33.3	26	33	15	1							SS-13
-25.0	38.3	8	11	14	1							
-30.0	43.3	10	18	82	0.7							SS-14
-35.0	48.3	8	10	7	1							SS-15
-40.0	53.3	13	75	25	1							SS-16
-45.0	58.3	51	17	17	1							SS-17
-50.0												
-55.0												

BORING TERMINATED AT ELEV. -43.7 FEET IN DENSE FINE TO COARSE SAND