



PROJECT NO. 8.1442601		ID. U-0620		COUNTY CUMBERLAND		GEOLOGIST Charles Ray						
SITE DESCRIPTION Bridge on Hope Mills Bypass (-L-) over Beaver Creek						GROUND WATER (ft)						
BORING NO. EB1-A		BORING LOCATION 31+36		OFFSET 26ft LT		ALIGNMENT -L-						
COLLAR ELEV. 127.8 ft		NORTHING 456,058		EASTING 2,006,360		0 HR. 7.6						
TOTAL DEPTH 39.5 ft		DRILL MACHINE D-50		DRILL METHOD HSA & Mud Rotary		HAMMER TYPE Manual						
DATE STARTED 6/26/01		COMPLETED 6/26/01		SURFACE WATER DEPTH								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80			
127.8	0.0	1	3	3	Ground Surface							127.8 0.00
124.8	3.0	6	9	6						M		Tan, orange, gray, and red, SILTY, moderately sorted, v.f. to f./cse. SAND. ROADWAY EMBANKMENT
119.8	8.0	2	2	2								Tan, orange, moderately sorted, f. to f./cse. SAND. ALLUVIUM
114.8	13.0	5	12	20						Sat.		Orange, f. to v. cse. SAND with gravels up to 3mm in size.
109.8	18.0	3	7	8						Sat.		Tan, white, Dark to light gray, SILTY/CLAYEY, v.f to cse. SAND with trace cse. grains, mica, and interbedded clay layers throughout. Trace gravels up to 2mm present from elevation 89.84 to 88.34ft.. CAPE FEAR FORMATION
104.8	23.0	7	12	12						Sat.		
99.8	28.0	13	17	23						M		
94.8	33.0	6	8	12						Sat.		
89.8	38.0	8	8	7						Sat.		Boring Terminated at Elevation 88.3 ft in light gray, SILTY/CLAYEY, v.f. to cse. SAND w/trace gravel. Cape Fear Formation



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SITE DESCRIPTION Bridge on Hope Mills Bypass (-L-) over Beaver Creek						GROUND WATER (ft)						
BORING NO. EB1-C		BORING LOCATION 31+48		OFFSET 0ft CL		ALIGNMENT -L-						
COLLAR ELEV. 125.3 ft		NORTHING 456,030		EASTING 2,006,352		0 HR. 6.0						
TOTAL DEPTH 44.0 ft		DRILL MACHINE D-50		DRILL METHOD HSA & Mud Rotary		HAMMER TYPE Manual						
DATE STARTED 6/26/01		COMPLETED 6/26/01		SURFACE WATER DEPTH								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80			
125.3	0.0	2	2	3	Ground Surface							125.3 0.00
120.3	5.0	WOH	1	2								Tan, brown, light gray, moderate to well sorted, SILTY, v.f. to f. SAND. ALLUVIUM
117.8	7.5	4	6	6						Sat.		Tan to light gray, well sorted, v.f. to f. SAND.
112.8	12.5	3	7	8						Sat.		Tan, light gray, SILTY/CLAYEY, v.f. to cse. SAND with mica, trace gravels up to 2mm and interbedded clay layers. CAPE FEAR FORMATION
107.8	17.5	6	7	13						Sat.		
102.8	22.5	10	11	13						Sat.		
97.8	27.5	8	16	21						Sat.		
92.8	32.5	8	8	9						Sat.		Dark gray, red, SILTY CLAY with f./cse. size SAND grains.
87.8	37.5	5	6	8						Sat.		
82.8	42.5	6	8	17						Sat.		Boring Terminated at Elevation 81.3 ft in dark gray, red, SILTY CLAY w/f./cse. sand. Cape Fear Formation