

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

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PROJECT NO. 8.2281301		ID. B-4270		COUNTY SAMPSON		GEOLOGIST K. B. QUICK								
DESCRIPTION BRIDGE NO. 93 ON SR 1240 OVER LITTLE COHARIE CREEK							GROUND WATER							
BORING NO. EBI-B		BORING LOCATION 13+70		OFFSET 13.0' RT.		ALIGNMENT -L-								
COLLAR ELEVATION 85.3'		NORTHING		EASTING		0 HR. N.M. 24 HR. 6.9'								
TOTAL DEPTH 59.2'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 4/2/03		COMPLETION DATE 4/2/03		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				100	
85.3	0.0	2	4	7	1									
	4.2	9	5	4	1								SS-19	TAN CLAYEY FINE TO COARSE SAND, MOI. (FILL)
80.0	8.1	WOH	WOH	1	1								SS-20	BROWN SILTY FINE SANDY CLAY, WET (ALLUVIUM)
	13.1	3	4	34	1									TAN FINE TO COARSE SAND, SAT.
	18.1	22	100		0.9					100+X				DARK GRAY SILTY CLAY, WET (BLACK CREEK FORMATION)
65.0	23.1	30	53	47	0.9					100+X			SS-21	GRAY FINE TO COARSE SAND, SAT.
	28.1	100			0.3					100+X				DARK GRAY SILTY CLAY, WET
55.0	33.1	45	77	23	0.7					100+X			SS-22	
50.0	38.1	25	92	8	0.6					100+X				
45.0	43.1	17	44	56	0.9					100+X				
40.0	48.1	10	15	23	1					100+X			SS-23	
35.0	53.1	14	100		0.5					100+X				
30.0	58.1	18	80	20	0.6					100+X				
25.0	BORING TERMINATED AT ELEV. 26.1 FEET IN HARD SILTY CLAY													
20.0														
15.0														

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SITE DESCRIPTION BRIDGE NO. 93 ON SR 1240 OVER LITTLE COHARIE CREEK							GROUND WATER							
BORING NO. BI-A		BORING LOCATION 14+10		OFFSET 6.0' LT.		ALIGNMENT -L-								
COLLAR ELEVATION 71.6'		NORTHING		EASTING		0 HR. N.M. 24 HR. N.M.								
TOTAL DEPTH 65.1'		DRILL MACHINE CME-45B		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC								
START DATE 3/27/03		COMPLETION DATE 3/27/03		SURFACE WATER DEPTH 6.8'										
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				100	
71.6	0.0	WOH	2	2	1									
70.0	5.2	4	5	7	1									TAN BROWN FINE TO COARSE SAND, SAT. (ALLUVIUM)
65.0	9.0	20	67	33	0.7					100+X			SS-1	GRAY SILTY CLAY, WET (BLACK CREEK FORMATION)
60.0	14.0	20	26	34	1									BROWN FINE TO COARSE SAND AND CLAYEY FINE TO COARSE SAND, SAT.
55.0	19.0	12	20	19	1									
50.0	24.0	14	25	35	1									
45.0	29.0	5	7	12	1									
40.0	34.0	16	24	30	1									
35.0	39.0	12	15	22	1									
30.0	44.0	10	13	15	1									
25.0	49.0	8	15	20	1									
20.0	54.0	13	30	36	1									
15.0	59.0	19	13	14	1									
10.0	64.0	27	85	15	0.6					100+X			SS-2	DARK GRAY SILTY CLAY, WET
5.0	BORING TERMINATED AT ELEV. 6.5 FEET IN HARD SILTY CLAY													
0.0														