

PROJECT NO. 34467.1.1		ID. R-2562C		COUNTY Bladen		GEOLOGIST B. Deobald							
SITE DESCRIPTION Dual Bridges on NC 87 over Reedy Meadow Swamp						GROUND WATER (m)							
BORING NO. B1-A RL		BORING LOCATION 178+68.9		OFFSET 3.2 m RT		ALIGNMENT -L- Rev.							
				0 HR. 0.45									
COLLAR ELEV. 40.80 m		NORTHING 103,036.3 US ft		EASTING 633,288.3 US ft		24 HR. 0.12							
TOTAL DEPTH 24.26 m		DRILL MACHINE CME 45 on M. Buggy		DRILL METHOD Wash/Mud Rotary		HAMMER TYPE 63.5 Kg							
DATE STARTED 4/23/04		COMPLETED 4/23/04		SURFACE WATER DEPTH N/A									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
40.80													Ground Surface
40.80	0.00	1	2	1								SS-12	Roadway Embankment Fill: Tan and brown, silty, f. SAND (A-2-4) with roots
39.66	1.14												Alluvium: Muck
		WOH	1	1									Alluvium: Tan and gray, f. SAND (A-3) with trace wood
38.14	2.66		5	10	12								Mixed Drilling Mud: 1.02g/cm ³
36.62	4.18		6	4	1								CPU: Gray, silty, f. to cse. SAND (A-2-4)
35.23	5.57		2	2	2								CPU: Gray, f. sandy, silty CLAY (A-7-6)
33.71	7.09		10	10	12								CPU: Light gray, clayey, f. to cse. SAND (A-2-6) with trace gravel and organics
32.19	8.61		22	21	24							SS-13	Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-2-4) with trace gravel
30.67	10.13		7	6	7								Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-1-b) with trace gravel
29.15	11.65		4	4	4								Black Creek Formation: Gray, micaceous, silty, clayey, f. to cse. SAND (A-2-6)
27.63	13.17		8	7	4							SS-14	Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-2-4)
26.11	14.69		6	9	10								
24.59	16.21		6	5	10								
23.07	17.73		6	6	7							SS-15	

NCDOT BORE S F REEDYM-1.GPJ NC DOT.GDT 6/15/04

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DATE STARTED 4/23/04		COMPLETED 4/23/04		SURFACE WATER DEPTH N/A									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
21.80													
21.55	19.25												
		5	5	9									Black Creek Formation: Gray, micaceous, silty, f. to cse. SAND (A-2-4) (continued) Harder drilling at 20.00m
20.03	20.77												Black Creek Formation: Greenish gray, micaceous, f. sandy, silty CLAY (A-7-6)
18.51	22.29		7	9	12								
16.99	23.81		8	12	14							SS-16	43.3%
			9	10	12								
													Boring Terminated at 24.26m (Elev. 16.54m) in Black Creek Formation: V. stiff f. sandy, silty, CLAY (A-7-6)
													Drill bits used: 7cm roller cone
													Drilling fluid properties: Water or mud at 1.02 g/cm ³

NCDOT BORE SINGLE REEDYM-1.GPJ NC DOT.GDT 6/15/04