MACTEC

N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET NO.	TOTAL SHEETS
14	46

SHEET 1 OF 1

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. B2-A LL	**BORING LOCATION** 178+90.3	**OFFSET** 17.6 m LT	**ALIGNMENT** -L- Rev.
COLLAR ELEV. 40.11 m	**NORTHING** 103,023.6 US ft	**EASTING** 633,315.1 US ft	**0 HR.** Water
TOTAL DEPTH 17.27 m	**DRILL MACHINE** CME 45 on M. Buggy	**DRILL METHOD** Wash/Mud Rotary	**HAMMER TYPE** 63.5 Kg
DATE STARTED 4/20/04	**COMPLETED** 4/20/04	**SURFACE WATER DEPTH** 0.10m	**24 HR.** Boring

ELEV. (m)	DEPTH (m)	BLOW COUNT 15cm	15cm	15cm	BLOWS PER 30 CM (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
40.11					Mudline					
40.11	0.00	WOH	WOH	1	1	SS-17	298.9%		Alluvium: Muck Organic Content 33.8%	40.11 / 0.00
39.11	1.00								Alluvium: Tan and gray, f. to cse. SAND (A-3) with trace wood fragments	39.11 / 1.00
38.49	1.62	6	10	12	22		Sat.		Mixed Drilling Mud: 1.04g/cm³	
36.97	3.14	8	10	6	16	SS-10	Sat.			
36.01	4.10								CPU: Gray, silty, f. to cse. SAND (A-2-4)	36.01 / 4.10
35.45	4.66	WOH	WOH	WOH	0		Sat.			
34.51	5.60								CPU: Gray, silty CLAY (A-7-6) with very thinly bedded sand Harder drilling at 6.80m	34.51 / 5.60
33.93	6.18	WOH	WOH	2	2		W			
33.31	6.80								CPU: Light gray, clayey, f. to cse SAND (A-2-6) with trace gravel and trace organics	33.31 / 6.80
32.41	7.70	16	20	16	36		M			
31.51	8.60								CPU: Greenish gray, micaceous, f. sandy, silty CLAY (A-7-6)	31.51 / 8.60
30.89	9.22	6	6	8	14		M			
29.91	10.20								Black Creek Formation: Gray, silty, clayey, f. to cse SAND (A-2-6) with little gravel and trace organics	29.91 / 10.20
29.37	10.74	6	12	12	24		M			
28.41	11.70								Black Creek Formation: Gray, silty, f. to cse SAND (A-1-b) with little gravel	28.41 / 11.70
27.85	12.26	10	12	12	24		W			
26.33	13.78	8	12	21	33		W			
25.31	14.80								Black Creek Formation: Gray, silty, f. to cse. SAND (A-2-4)	25.31 / 14.80
24.81	15.30	9	10	15	25		W			
23.29	16.82	12	15	18	33		W			
22.84	17.27								Boring Terminated at 17.27m (Elev. 22.84m) in Black Creek Formation: Dense, silty, f. to cse. SAND (A-2-4) Drill bits used: 7cm roller cone Drilling fluid properties: Water or mud at 1.04 g/cm³	

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