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

BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.T311002	ID. R-2552AB	COUNTY Johnston	GEOLOGIST M. Lear/J. Bryson
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)			GROUND WATER (m)
BORING NO. B1-A LL	BORING LOCATION 39+84.8	OFFSET 22.0m LT	ALIGNMENT -L-	0 HR. N/A
COLLAR ELEV. 58.18 m	NORTHING 208,503.7	EASTING 652,830.4	24 HR. N/A
TOTAL DEPTH 14.14 m	DRILL MACHINE CME-45/buggy	DRILL METHOD Rotary Wash/Mud	HAMMER TYPE 63.5 kg manual
DATE STARTED 8/28/01	COMPLETED 8/28/01	SURFACE WATER DEPTH 0.52m	

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
58.18									
58.18	0.00	WOH	WOH	WOH	WOH 0		Sat.		Alluvium: Gray, slightly silty, fine SAND (A-3) with roots and wood fragments
56.68	1.50								
56.27	1.91	3	3	4	7		Sat.		Residual: Dark gray, orange, and white, micaceous, clayey, sandy SILT (A-4) with relict rock fabric
54.84	3.34	3	4	7	11		W		
53.98	4.20								
53.26	4.92	9	14	18	32				Residual: Orange and white, clayey, silty SAND (A-2-4) with relict rock fabric
51.78	6.40	20	41	49	90		M		
50.22	7.96	17	22	26	48		M		
49.18	9.00								Soft Weathered Rock: Granite
48.78	9.40	34	36/13cm		100/28cm				
47.23	10.95	33	45	55/9cm	100/24cm				
45.71	12.47	70	30/3cm		100/18cm				
44.16	14.02	100/12cm			100/12cm				
44.04	14.14								Boring terminated at 14.14m (Elev: 44.04m) in Soft Weathered Rock: Granite

Bit used: 7.6cm roller cone

Drilling Fluid: Water and 1.02 g/cm^3

NCDOT BORE SINGLE BORELOG2.GPJ NC DOT.GDT 10/16/01

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

BORING LOG

SHEET NO.	TOTAL SHEETS
28	107

SHEET 1 OF 1

PROJECT NO. 8.T311002	ID. R-2552AB	COUNTY Johnston	GEOLOGIST M. Lear/J. Bryson
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)			GROUND WATER (m)
BORING NO. B1-B LL	BORING LOCATION 39+90.9	OFFSET 10.4m LT	ALIGNMENT -L-	0 HR. 0.67
COLLAR ELEV. 58.74 m	NORTHING 208,490.8	EASTING 652,832.8	24 HR. 0.31
TOTAL DEPTH 15.08 m	DRILL MACHINE CME-45/buggy	DRILL METHOD Rotary Wash/Mud	HAMMER TYPE 63.5 kg manual
DATE STARTED 8/27/01	COMPLETED 8/28/01	SURFACE WATER DEPTH N/A	

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
58.74									
58.74	0.00	WOH	1	2	3				Alluvium: Brown, CLAY (A-6) with roots and organic debris
58.14	0.60								Alluvium: Green, clayey, silty, sandy rounded quartz GRAVEL (A-1-b)
57.35	1.39	5	3	1	4	SS-37	Sat.		
55.83	2.91	5	7	10	17		Sat.		
55.48	3.26								Residual: Green and white, micaceous, clayey, silty SAND (A-2-4) with relict rock fabric
54.35	4.39	6	9	12	21		W		
52.73	6.01	10	13	16	29		W		
51.26	7.48	9	15	18	33	SS-38	W		
49.73	9.01	12	18	23	41		W		
48.74	10.00								Soft Weathered Rock: Granite
48.20	10.54	30	58	42/9cm	100/24cm				
46.62	12.12	84	16/0cm		100/15cm				
46.04	12.70								Interpreted as Hard Weathered Rock: Granite (not sampled)
45.64	13.10								Soft Weathered Rock: Granite
45.11	13.63	20	30/14cm		100/29cm				
44.34	14.40								No Recovery-Interpreted as Hard Weathered Rock: Granite
43.68	15.06	50/2cm			50/2cm				
43.66	15.08								Boring Terminated at SPT refusal at 15.08m (Elev: 43.66m) in Hard Weathered Rock: Granite

Bit used: 7.6cm roller cone

Drilling Fluid: Water and 1.02 g/cm^3

Boring offset 1.90m LT (along bent) of proposed location

NCDOT BORE SINGLE BORELOG2.GPJ NC DOT.GDT 10/16/01