MACTEC

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

SHEET 1 OF 1

PROJECT NO. 8.T311002	ID. R-2552AB	COUNTY Johnston	GEOLOGIST B. Deobald
SITE DESCRIPTION Site 1: Dual Structures on Clayton Bypass (-L-) over White Oak Creek (Austin Pond)			GROUND WATER (m)
BORING NO. EB1-B RL REV	BORING LOCATION 39+82.1	OFFSET 21.9 m RT	ALIGNMENT -L-	0 HR.C.I. 1.55 dry
COLLAR ELEV. 67.11 m	NORTHING 208,462.7 m	EASTING 652,814.5 m	24 HR.C.I. 1.55 dry
TOTAL DEPTH 12.17 m	DRILL MACHINE D-50	DRILL METHOD Hollow Stem Auger	HAMMER TYPE 63.5 kg manual
DATE STARTED 9/9/03	COMPLETED 9/9/03	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
67.11					Ground Surface				67.11 / 0.0
67.11	0.00	2	6	8	14		D		Residual: White, orange and tan, micaceous, fine to coarse sandy, clayey, SILT (A-4) with rock fragments
65.97	1.14	7	8	12	20		D		
64.45	2.66	4	6	7	13	SS-56	27.1%		
62.93	4.18	2	2	4	6		M/W		
61.41	5.70	2	3	5	8		M/W		
59.89	7.22	3	4	8	12		M/W		
58.37	8.74	6	10	12	22	SS-57	25.5%		
56.85	10.26	9	20	29	49		W		
55.33	11.78	33	50	50/9cm	100/24cm				55.91 / 11.20 Soft Weathered Rock: Granite
									54.94 / 12.17 Boring Terminated at 12.17m (Elev. 54.94m) in Soft Weathered Rock: Granite

Bit used: HSA

Drilling fluid: N/A

NCDOT BORE SINGLE 0376.GPJ NC_DOT.GDT 10/4/03

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

SHEET NO.	TOTAL SHEETS
70	107

SHEET 1 OF 1

PROJECT NO. 8.T311002	ID. R-2552AB	COUNTY Johnston	GEOLOGIST M. Lear
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)			GROUND WATER (m)
BORING NO. EB1-Aa RL	BORING LOCATION 39+92.8	OFFSET 7.8m RT	ALIGNMENT -L-	0 HR. 3.13
COLLAR ELEV. 64.52 m	NORTHING 208,472.8	EASTING 652,828.9	24 HR. 2.97
TOTAL DEPTH 7.20 m	DRILL MACHINE CME-45/ATV	DRILL METHOD Mud Rotary	HAMMER TYPE 63.5 kg manual
DATE STARTED 9/18/01	COMPLETED 9/18/01	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
64.52									64.52 / 0.00
64.52	0.00	3	5	5	10		D-M		Residual: Red, orange, black, and tan, slightly sandy, silty, CLAY (A-7-5) with relict rock fabric
63.42	1.10	3	5	8	13		M		
61.89	2.63	1	3	2	5		M-W		62.32 / 2.20 Residual: Orange, black, and tan, slightly sandy, silty CLAY (A-6) with relict rock fabric
60.36	4.16	1	1	3	4		M-W		
58.84	5.68	5	7	11	18				59.86 / 4.66 Interpreted as SWR: Diabase (not sampled)
58.00	6.52	11	13	12	25				59.36 / 5.16 Residual: Tan, orange, and black, slightly sandy, clayey SILT (A-4) with diabase rock fragments
									58.37 / 6.15 Interpreted as Soft Weathered Rock: Diabase
									58.07 / 6.45 Residual: Tan and black, sandy, clayey SILT (A-4) with relict rock fabric and diabase rock fragments
									57.52 / 7.00 Interpreted as SWR/HWR: Diabase (not sampled)
									57.32 / 7.20 Boring terminated at 7.20m (Elev: 57.32m) at bit refusal on Hard Rock/Hard Weathered Rock: Diabase

Bits Used: 10.2cm side-discharge wing bit and 10.2cm roller cone

Drilling Fluid: 1.02g/cm^3

NCDOT BORE SINGLE BORELOG2.GPJ NC_DOT.GDT 10/16/01