



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							
SITE DESCRIPTION Site 1: Dual Structures on Clayton bypass (-L-) over White Oak Creek (Austin pond)							GROUND WATER (m)						
BORING NO. EB1-Ab RL		BORING LOCATION 39+91.8		OFFSET 6.8m RT		ALIGNMENT -L-							
COLLAR ELEV. 64.55 m		NORTHING 208,473.1		EASTING 652,827.9		0 HR. 3.1							
TOTAL DEPTH 13.04 m		DRILL MACHINE CME-45/ATV		DRILL METHOD Mud Rotary/NW Core		HAMMER TYPE 63.5 kg manual							
DATE STARTED 9/18/01		COMPLETED 9/19/01		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			
64.55												64.55	Residual: Red and orange, slightly sandy, silty CLAY (A-7-5) with relict rock fabric
63.38	1.17												
		3	5	7									
61.82	2.73												
		2	2	3									
60.27	4.28												
		2	2	2									
58.75	5.80												
		1	2	3									
57.23	7.32												
		2	3	3									
55.70	8.85												
		4	6	14									
55.04	9.51	50/0cm											
		50/0cm											
53.54	11.01												
		6	7	8									
52.82	11.73	50/0cm											
		50/0cm											
52.12	12.43												
		5	11	89/10cm									
51.62	12.93	00/11cm											
		100/25cm											
		100/11cm											

NCDOT BORE SINGLE BORELOG2.GPJ NC DOT.GDT 12/5/01



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CORE BORING REPORT

SHEET NO.	TOTAL SHEETS
71	107

SHEET 1 OF 1

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TOTAL DEPTH 13.04 m		DRILL MACHINE CME-45/ATV		DRILL METHOD Mud Rotary/NW Core		HAMMER TYPE 63.5 kg manual				
DATE STARTED 9/18/01		COMPLETED 9/19/01		SURFACE WATER DEPTH N/A						
CORE SIZE NW			TOTAL RUN 2.20 m			DRILLER J. Stewart				
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	REC. (%)	RQD (%)	SAMP. NO.	STRATA REC. (%)	RQD (%)	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 9.51 m
55.04	9.51	1.50	6:35	(1.28)	(0.80)		(0.18)	(0.00)		Hard Rock: Black, fine grained, slightly weathered to fresh, moderately fractured, hard Diabase (1 joint at 90° with clay)
			2:49	85%	53%		100%	0%		Hard Weathered Rock: Diabase (partial recovery)
			7:33				(0.05)	(N/A)		Hard Rock: Black, fine grained, very slightly weathered to fresh, slightly fractured to sound, very hard Diabase
53.54	11.01		9:23				28%	(0.80)		Residual: Tan, clayey, silty SAND (A-2-4) with relict rock fabric
			5:30				(0.92)	87%		Cored to 11.01m
							(0.13)	(N/A)		Mud Rotary with spoons from 11.01m to 11.73m
52.82	11.73	0.70	6:13	(0.40)	(0.20)		(0.40)	(0.20)		Hard Rock: Black, fine grained, slightly weathered to fresh, moderately to slightly fractured, hard to very hard Diabase
			1:13	57%	29%		100%	50%		Soft Weathered Rock: Diabase
52.12	12.43		0:32/0.10				(0.00)	(N/A)		Coring terminated at 12.43m (Elev: 52.12m) in Soft Weathered Rock: Diabase

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