



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. B2-B LL		BORING LOCATION 40+16.7		OFFSET 8.7m LT		ALIGNMENT -L-									
COLLAR ELEV. 58.45 m		NORTHING 208,481.1		EASTING 652,856.8		0 HR. 0.17									
TOTAL DEPTH 14.29 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud/Core		HAMMER TYPE 63.5 kg manual									
DATE STARTED 8/22/01		COMPLETED 8/23/01		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		
58.45													58.45	0.00	
58.45	0.00	WOH	1	1									58.45		Alluvium: Brown and gray, slightly sandy, silty CLAY (A-6) with roots
57.18	1.27	WOH	WOH	1									57.18		
55.74	2.71												55.74		Alluvium: White, fine to coarse SAND (A-3)
55.30		6	7	25									55.30	3.15	Interpreted as Alluvium: Gravel (A-1-a)
55.05													55.05	3.40	Residual: White, clayey, silty, fine to coarse SAND (A-2-4) with relic rock fabric
54.29	4.16	20	21	28									54.29		
52.61	5.84	22	78/15cm										52.61		Soft Weathered Rock: Granite
51.21	7.24	100/15cm											51.21		
49.71	8.74	100/7cm											49.71		
48.10	10.35	70	30/1cm										48.10		
46.67	11.78	50/0cm											46.67	11.78	Hard Rock: Gray, fine to medium grained, moderately weathered, sound, moderately hard Granite
46.47													46.47	11.98	Soft Weathered Rock/Hard Weathered Rock: Granite
44.25	14.20	100/9cm											44.25	14.20	Boring terminated at 14.29m (Elev. 44.16m) in Soft Weathered Rock: Granite
															Bits used: 7.6cm roller cone and NQ core bit
															Drilling Fluid: Water and 1.02g/cm ³

NCDOT BORE SINGLE BORELOG2.GPJ NC_DOT_GDT_10/16/01



N.C.D.O.T. GEOTECHNICAL UNIT
CORE BORING REPORT

SHEET NO.	TOTAL SHEETS
30	107

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DATE STARTED 8/22/01		COMPLETED 8/23/01		SURFACE WATER DEPTH N/A						
CORE SIZE NQ				TOTAL RUN 2.33 m		DRILLER D. White				
ELEV. (m)	DEPTH (m)	RUN (m)	DRILL RATE (Min/0.3m)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC. (%)	ROD (%)		REC. (%)	ROD (%)		
										Begin Coring @ 11.78 m
46.67	11.78	0.83	1:36 N=50/0cm 0:27	(0.20) 24%	(0.20) 24%		(0.20) 100%	(0.20) 100%		46.67 Hard Rock: Gray, fine to medium grained, moderately weathered, sound, moderately hard Granite
45.84	12.61	1.50	0:44/0.23	(0.00) 0%	(0.00) 0%		(0.00) 0%	(N/A)		45.84 Soft Weathered Rock/Hard Weathered Rock: Granite
			0:35 0:46 0:42 0:40 1:10							
44.34	14.11									44.34 Coring terminated at 14.11m (Elev. 44.34m) in Soft Weathered Rock/Hard Weathered Rock: Granite

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