



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. B2-A RL		BORING LOCATION 40+43.8		OFFSET 8.8m RT		ALIGNMENT -L-		0 HR. 0.25					
COLLAR ELEV. 58.65 m		NORTHING 208,455.8		EASTING 652,876.8				24 HR. C.I.@0.00					
TOTAL DEPTH 16.14 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/27/01		COMPLETED 8/27/01		SURFACE WATER DEPTH N/A									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
58.65	0.00	WOH	1	1									58.65 Alluvium: Brown CLAY (A-6) with roots and organic debris 0.00
57.34	1.31		1	2	1								58.05 Alluvium: Dark gray, slightly clayey, fine sandy SILT (A-4) with roots 0.60
55.83	2.82		8	13	15								56.45 Alluvium: White, fine to coarse SAND (A-3) 2.20
54.30	4.35		9	17	18								55.15 No Recovery-Interpreted as Residual: SAND (A-2-4) 3.50
52.75	5.90		11	40	50/13cm								52.95 Soft Weathered Rock: Granite 5.70
51.27	7.38		27	61	39/9cm								
49.79	8.86		64	36/4cm									
48.28	10.37		54	46/4cm									
46.77	11.88		53	47/14cm									
45.15	13.50		8	10	16								45.65 Residual: Tan and brown, clayey, silty, fine to coarse SAND (A-2-4) with relict rock fabric 13.00
43.62	15.03		75	25/1cm									44.45 Soft Weathered Rock: Granite 14.20
42.53	16.12		50/2cm										43.15 No Recovery-Interpreted as Hard Weathered Rock: Granite 15.50
													42.51 Boring terminated at SPT refusal at 16.14m (Elev: 42.51m) in Hard Weathered Rock: Granite 16.14
													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



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BORING LOG

SHEET NO.	TOTAL SHEETS
75	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. B2-B RL		BORING LOCATION 40+51.1		OFFSET 21.9m RT		ALIGNMENT -L-		0 HR. 0.12					
COLLAR ELEV. 58.43 m		NORTHING 208,441.0		EASTING 652,879.3				24 HR. 0.27					
TOTAL DEPTH 15.09 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/8/01		COMPLETED 8/9/01		SURFACE WATER DEPTH N/A									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
58.43	0.00	WOH	1	1									58.43 Alluvium: Gray, clayey SAND (A-3) 0.00
57.11	1.32		9	6	5								57.83 Alluvium: Gray and white, fine to coarse sandy, rounded quartz GRAVEL (A-1-b) 0.60
55.59	2.84		2	7	20								55.03 Residual: Tan, brown, and white, micaceous, clayey, silty, fine to coarse SAND (A-2-4) with relict rock fabric 3.40
54.00	4.43		13	17	19								
52.52	5.91		22	27	24								
51.09	7.34		14	19	23								
49.55	8.88		42	45	53								
48.02	10.41		55	45/6cm									48.93 Soft Weathered Rock: Granite 9.50
46.52	11.91		44	56/12cm									
44.98	13.45		100/6cm										
43.45	14.98		100/11cm										43.34 Boring terminated at 15.09m (Elev: 43.34m) in Soft Weathered Rock: Granite 15.09
													Bit used: 7.6cm roller cone
													Drilling Fluid: Water and 1.02 g/cm ³

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