



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. B3-A RL		BORING LOCATION 40+68.9		OFFSET 8.8m RT		ALIGNMENT -L-	0 HR. N/A						
COLLAR ELEV. 58.10 m		NORTHING 208,447.5		EASTING 652,900.3			24 HR. N/A						
TOTAL DEPTH 14.89 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/7/01		COMPLETED 8/8/01		SURFACE WATER DEPTH 0.03m									
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
58.10	0.00	WOH	1	1								Sat.	58.10 Alluvium: Gray, slightly sandy CLAY (A-6) with roots
56.86	1.24		5	7	6							Sat.	57.50 Alluvium: Gray and white, slightly silty, fine to coarse SAND (A-3)
55.40	2.70		10	19	17							Sat.	55.60 Alluvium: Tan and white, fine to coarse sandy, rounded quartz GRAVEL (A-1-b)
53.83	4.27		7	10	11							Sat.	54.90 Residual: Tan, white, and orange, clayey, sandy SILT (A-4) with relict rock fabric
52.24	5.86		8	8	8							W	
50.81	7.29		10	17	20							W	
49.29	8.81		8	14	20							W	
47.77	10.33		22	29	71/12cm							W	48.10 Soft Weathered Rock: Granite
46.25	11.85		40	60/8cm								M	
44.75	13.35		100/8cm									M	
43.26	14.84		100/5cm									M	43.60 Hard Weathered Rock: Granite
Boring terminated at 15.56m (Elev: 42.62m) in Residual: hard, clayey, sandy, SILT (A-4)													
Bit used 7.6cm roller cone													
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
BORING LOG

SHEET NO.	TOTAL SHEETS
76	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. B3-B RL		BORING LOCATION 40+76.3		OFFSET 21.8m RT		ALIGNMENT -L-	0 HR. N/A						
COLLAR ELEV. 58.18 m		NORTHING 208,432.7		EASTING 652,902.9			24 HR. N/A						
TOTAL DEPTH 15.56 m		DRILL MACHINE CME-45/buggy		DRILL METHOD Rotary Wash/Mud		HAMMER TYPE 63.5 kg manual							
DATE STARTED 8/7/01		COMPLETED 8/7/01		SURFACE WATER DEPTH 0.12m									
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
58.18	0.00	WOH	WOH	1								Sat.	58.18 Alluvium: Gray and white, clayey, fine to coarse SAND (A-3) with roots
56.77	1.41		6	11	10							Sat.	
55.26	2.92		6	8	7							Sat.	55.68 Alluvium: White and tan, fine to coarse sandy, rounded quartz GRAVEL (A-1-b)
53.74	4.44		13	17	18							W	54.91 Residual: Tan, white, green, and brown, micaceous, sandy, clayey SILT (A-4) with relict rock fabric and relict quartz veins
52.17	6.01		16	25	22							W	
50.64	7.54		5	9	10							W	
49.14	9.04		24	33	27							W	
47.59	10.59		9	14	33							M	
46.10	12.08		56	44/6cm								M	46.38 Soft Weathered Rock: Granite
44.60	13.58		100/6cm									M	
43.07	15.11		15	31	56							M	43.68 Residual: Gray and white, micaceous, clayey, sandy SILT (A-4) with relict rock fabric
Boring terminated at 15.56m (Elev: 42.62m) in Residual: hard, clayey, sandy, SILT (A-4)													
Bit used 7.6cm roller cone													
Drilling Fluid: Water and 1.02g/cm ³													

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