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 LL	BORING LOCATION 39+59.2	OFFSET 22.9m LT	ALIGNMENT -L-	0 HR. 2.71
COLLAR ELEV. 61.49 m	NORTHING 208,512.3	EASTING 652,806.1	24 HR. 2.50
TOTAL DEPTH 4.75 m	DRILL MACHINE CME-45/ATV	DRILL METHOD Mud Rotary	HAMMER TYPE 63.5 kg manual
DATE STARTED 9/19/01	COMPLETED 9/19/01	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
61.49									
61.49	0.00	2	5	7	12		D-M		Residual: Red, orange, and tan, slightly sandy, silty CLAY (A-7-5) with roots and relict rock fabric
60.85	0.64	3	5	7	12		D-M		
59.24	2.25	2	5	9	14				
57.70	3.79	6	16	10	26		Sat.		
56.74	4.75	50/0cm			50/0cm				Boring terminated at SPT refusal at 4.75m (Elev: 56.73m) on Hard Rock: Diabase Bits used: 10.2cm side-discharge wing bit and 10.2cm roller cone Drilling Fluid: Water

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

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

SHEET NO.	TOTAL SHEETS
27	107

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. EB1-B LL	BORING LOCATION 39+67.0	OFFSET 7.8m LT	ALIGNMENT -L-	0 HR. 3.70
COLLAR ELEV. 62.93 m	NORTHING 208,495.6	EASTING 652,809.0	24 HR. 4.00
TOTAL DEPTH 15.09 m	DRILL MACHINE CME-45/buggy	DRILL METHOD Rotary Wash	HAMMER TYPE 63.5 kg manual
DATE STARTED 8/29/01	COMPLETED 8/29/01	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
62.93									
62.93	0.00	3	3	5	8	SS-32	19.5%		Residual: Orange, slightly sandy, silty CLAY (A-6)
61.70	1.23					ST-1	25.5%		Pushed Shelby Tube (ST-1) from 0.49m to 1.23m Recovery: 0.60m; Bottom of tube sandy
60.46	2.47	3	5	6	11		M		Residual: Orange and white, clayey, silty, fine to coarse SAND (A-2-5) with relict rock fabric and rock fragments (granitic)
58.84	4.09	2	2	3	5	SS-33	W		
57.18	5.75	2	3	4	7	SS-34	56.4%		Residual: Orange and white, micaceous, clayey SILT (A-5) with relict rock fabric
55.87	7.06	5	6	6	12		W		Residual: Orange and white, clayey, silty SAND (A-2-4) with relict rock fabric (granitic)
54.28	8.65	3	2	2	4		M-W		Residual: Orange and tan, sandy, clayey SILT (A-5) with relict rock fabric (gneissic)
52.79	10.14	6	3	4	7	SS-35	51.2%		
51.27	11.66	2	5	6	11				
49.78	13.15	4	11	12	23		M		Residual: Orange, brown, and greenish brown, clayey, silty SAND (A-2-4) with relict rock fabric and rock fragments (Gneiss)
48.29	14.64	9	18	29	47	SS-36	M		
		9	10	13	23		M		Boring terminated at 15.09m (Elev: 47.84m) in Residual: medium dense silty SAND (A-2-4) Bit used: 7.6cm roller cone Drilling fluid: Water

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