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

PROJECT NO. 8.2312601		ID. B-3865		COUNTY Johnston		GEOLOGIST C. Baldwin								
SITE DESCRIPTION Bridge No. 212 over the Little River on SR 1002						GROUND WATER (ft)								
BORING NO. B2-B		BORING LOCATION 21+33		OFFSET 16' Rt.		ALIGNMENT -L-								
COLLAR ELEV. 95.8 ft		NORTHING 631,608		EASTING 2,254,734		0 HR. N/A 24 HR. N/A								
TOTAL DEPTH 25.2 ft		DRILL MACHINE CME 55 Track		DRILL METHOD 2.25" ID HSA/NQ3 Core		HAMMER TYPE Automatic								
DATE STARTED 7/9/03		COMPLETED 7/10/03		SURFACE WATER DEPTH 2.0'										
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80					100
97.8ft														Water Surface
	0.0													Ground Surface
95	40	60/0.1'												85.8ft 85.9ft -ALLUVIAL- Brown, fine to coarse SAND (A-1-b). -NON-CRYSTALLINE ROCK- Gray, slightly weathered, hard FELSIC METAVOLCANIC.
90														
85														
80														
75														
														70.6ft 25.2ft Coring terminated at elev. 70.6 feet in NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).
														Notes: 1) Geologist indicates strata change in split spoon at 0.5'. 2) Coring began at 1.2'.

CORE BORING REPORT							DATE: 07/09-10/2003
PROJECT:	8.2312601	ID. NO.:	B-3865	BORING NO.:	B2-B	GEOLOGIST:	Chris Baldwin
DESCRIPTION:	Bridge No. 212 over Little River on SR 1002			SENIOR DRILLER:	J.W. Gilchrist, Jr.		
COUNTY:	Johnston	COLLAR ELEVATION:	95.8 ft	TOTAL DEPTH:	25.2 ft	DRILLING ASSISTANT:	M.W. Renza
Elev. (ft)	Depth (ft)	Drill Rate min./ft	Run Length (ft)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS
94.6	1.2	5:56	4.0	4.0/4.0	0.0/4.0		94.6 ft (1.2 ft)
		5:53		100%	0%		NCR-1.2-25.2 ft Gray, slightly weathered, hard Felsic Metavolcanic Rock Close to moderately close fracture spacing.
		5:54					
		5:56					
90.6	5.2	5:57	5.0	5.0/5.0	1.6/5.0		
90.6	5.2	5:59		100%	32%	RS-6	RS-6 6.4-6.7 ft qu=7,715 psi STRATA REC.=100% STRATA RQD=28%
		6:01					7 joints at 0° 1 joint at 10° 1 joint at 15°
		6:04					
		5:59					
85.6	10.2	6:03	5.0	5.0/5.0	0.4/5.0		
85.6	10.2	6:00		100%	8%		46 joints at 30° 16 joints at 40° 5 joints at 50° 3 joints at 60° 2 joints at 70° 1 joint at 80°
		5:59					
		5:59					
		6:01					
80.6	15.2	5:59	5.0	5.0/5.0	1.5/5.0		
80.6	15.2	5:58		100%	30%		
		5:55					
		5:45					
		5:56					
75.6	20.2	5:55	5.0	5.0/5.0	3.3/5.0		
75.6	20.2	5:57		100%	66%		
		5:54					
		5:55					
		5:57					
70.6	25.2	5:57					
							70.6 ft (25.2 ft) Coring terminated at elevation 70.6 ft
DRILLING EQUIPMENT: CME - 55 Track Rig with automatic hammer. HOLE ADVANCEMENT: 1. Casing w/advancer set at 1.2 feet. 2. Cored using NQ3 w/SICB and a Series 2 diamond impregnated bit from 1.2 - 25.2 feet. 3. Drilling Fluid: Water							NOTES:

NCDOT_BORE B-3865 PJ NCDOT.GDT B/20/03