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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-A		BORING LOCATION 21+33		OFFSET 16' Lt.		ALIGNMENT -L-								
COLLAR ELEV. 96.0 ft		NORTHING 631,622		EASTING 2,254,705		0 HR. N/A								
TOTAL DEPTH 18.5 ft		DRILL MACHINE CME 55 Track		DRILL METHOD 2.25" ID HSA/NQ3 Core		HAMMER TYPE Automatic								
DATE STARTED 7/11/03		COMPLETED 7/11/03		SURFACE WATER DEPTH 2.4'										
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
98.4ft														Water Surface
	0.0													Ground Surface
95	8	8	60											96.0ft 95.0ft 93.5ft Brown, fine to coarse SAND (A-1-b), with gravel. -WEATHERED ROCK- Gray FELSIC METAVOLCANIC. -NON-CRYSTALLINE ROCK- Gray, slightly weathered, hard FELSIC METAVOLCANIC. RS-5
90														
85														
80														
														77.5ft 18.5ft
Coring terminated at elev. 77.5 feet in NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).														
Notes: 1) Geologist indicates strata change in split spoon at 1.0'. 2) Coring began at 1.5'.														

CORE BORING REPORT							DATE: 07/11/2003
Elev. (ft)	Depth (ft)	Drill Rate min./ft	Run Length (ft)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS
94.5	1.5	5:37	2.0	2.0/2.0	N/A		WR-1.5-2.5 Gray, severely weathered, moderately hard Felsic Metavolcanic Rock with a quartz vein from 1.5-1.8 ft Very close to close fracture spacing. 2 joints at 50° STRATA BREAK STRATA REC.=100% STRATA RQD=N/A
92.5	3.5	5:43		100%			
92.5	3.5	5:51	5.0	5.0/5.0	1.2/5.0		NCR-2.5-18.5 Gray, slightly weathered, hard Felsic Metavolcanic Rock Close to wide fracture spacing.
		5:53		100%	24%		
		5:50					
		5:55					7 joints at 0° 3 joints at 30° 6 joints at 50° 2 joints at 60°
		5:57					
87.5	8.5	5:59	5.0	5.0/5.0	4.8/5.0		
87.5	8.5	5:59		100%	96%		STRATA REC.=100% STRATA RQD=64%
		5:59					
		6:03					
		6:04					
		6:00					
82.5	13.5	5:59	5.0	5.0/5.0	4.2/5.0		
82.5	13.5	6:02		100%	84%		
		5:58					
		5:59					
		6:01					
77.5	18.5						RS-5 RS-5 10.2-10.5 ft qu=10,388 psi
							Coring terminated at elevation 77.5 ft
DRILLING EQUIPMENT: CME - 55 Track Rig with automatic hammer. HOLE ADVANCEMENT: 1. Casing w/ advancer set at 1.5 feet. 2. Cored using NQ3 w/SICB and a Series 6 diamond impregnated bit from 1.5 - 18.5 feet. 3. Drilling Fluid: Water							NOTES:

NCDOT_BORE B-3865.GPJ NCDOT.GDT 8/20/03