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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. B1-B	BORING LOCATION 20+43	OFFSET 11' Rt.	ALIGNMENT -L-
COLLAR ELEV. 103.6 ft	NORTHING 631,530	EASTING 2,254,690	0 HR. N/A**
TOTAL DEPTH 27.5 ft	DRILL MACHINE CME 55 Track	DRILL METHOD 2.25" ID HSA/NQ3 Core	HAMMER TYPE Automatic
DATE STARTED 6/20/03	COMPLETED 6/23/03	SURFACE WATER DEPTH N/A	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80			
103.6ft												Ground Surface
	0.0	WOH	1	1								103.6ft
	3.5	WOH	1	1								101.1ft
	8.5											94.6ft
												93.9ft
												9.0ft
												9.7ft
												81.1ft
												22.5ft
												76.1ft
												27.5ft

Notes:
 1) Geologist indicates strata break in split spoon at 9.0'.
 2) Coring began at 9.5'.
 ** 0 hr. water level not measured due to water introduced for coring.

CORE BORING REPORT								DATE: 06/20-23/2003
PROJECT: 8.2312601	ID. NO.: B-3865	BORING NO.: B1-B	GEOLOGIST: Chris Baldwin					
DESCRIPTION: Bridge No. 212 over Little River on SR 1002			SENIOR DRILLER: J.W. Gilchrist, Jr.					
COUNTY: Johnston	COLLAR ELEVATION: 103.6 ft	TOTAL DEPTH: 27.5 ft	DRILLING ASSISTANT: M.W. Renza					

Elev. (ft)	Depth (ft)	Drill Rate min/ft	Run Length (ft)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS
94.1	9.5	6:05	3.0	2.8/3.0	N/A		WR-9.5-9.7 ft Gray, severely weathered, moderately hard Felsic Metavolcanic Rock Very close fracture spacing. STRATA REC.=0% STRATA BREAK STRATA RQD=N/A
91.1	12.5	5:55	5	5.0/5.0	4.0/5.0		NCR-9.7-22.5 ft Gray, slightly weathered, hard Felsic Metavolcanic Rock Close to Moderately close fracture spacing.
86.1	17.5	5:49		100%	80%	RS-3	RS-3 13.5-13.8 ft qu=6,972 psi 8 joints at 30° 12 joints at 35° 1 joint at 40° 3 joints at 50° 1 joint at 70° STRATA REC.=100% STRATA RQD=74%
81.1	22.5	5:49	5.0	4.7/5.0	0.9/5.0		NCR-22.5-27.5 ft Gray, moderately weathered, hard Felsic Metavolcanic Rock Close fracture spacing. 6 joints at 30° 5 joints at 35° 1 joint at 40° STRATA REC.=94% STRATA RQD=18%

DRILLING EQUIPMENT:
 CME - 55 Track Rig with automatic hammer.
 HOLE ADVANCEMENT:
 1. HSA from 0.0 - 9.4 feet using 2.25" hollow stem augers.
 2. Casing w/ advancer set at 9.5 feet.
 3. Cored using NQ3 w/SICB and a Series 6 diamond impregnated bit from 9.5 - 27.5 feet.
 4. Drilling Fluid: Water

NOTES:
 Coring terminated at elevation 76.1 ft

NCDOT_BORE B-3 .JFJ NCDOT.GDT 8/20/03