



**FROEHLING & ROBERTSON, INC.**  
 GEOTECHNICAL • ENVIRONMENTAL • MATERIALS  
 ENGINEERS • LABORATORIES  
 "OVER ONE HUNDRED YEARS OF SERVICE"

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. EB2-A		BORING LOCATION 23+13		OFFSET 16' Lt.	ALIGNMENT -L-	0 HR. Dry							
COLLAR ELEV. 110.7 ft		NORTHING 631,784		EASTING 2,254,785		24 HR. Dry							
TOTAL DEPTH 10.6 ft		DRILL MACHINE CME 55 Track		DRILL METHOD 2.25" ID HSA		HAMMER TYPE Automatic							
DATE STARTED 6/19/03		COMPLETED 6/19/03		SURFACE WATER DEPTH N/A									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
110.7ft	0.0	1	1	1	Ground Surface							110.7ft	0.0ft
	3.5				SS-4 14.8%							108.7ft	2.0ft
	6.5	4	6	8	SS-5 18.7%							104.2ft	6.5ft
	8.5	60/0.3'										100.2ft	10.5ft
	10.5	60/0.1'										100.1ft	10.5ft
<p><b>-WEATHERED ROCK-</b> Gray FELSIC METAVOLCANIC.</p> <p><b>-NON-CRYSTALLINE ROCK-</b> Gray FELSIC METAVOLCANIC.</p> <p>Boring terminated with SPT refusal at elev. 100.1 feet on NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).</p> <p>Notes:          1) Driller indicates harder drilling at 6.5'.          2) Auger refusal at 10.5'.</p>													

NCDOT\_BORE B-3 PJ NCDOT.GDT 8/20/03



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 BORING LOG

SHEET 24 OF 28

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. EB2-B		BORING LOCATION 23+13		OFFSET 16' Rt.	ALIGNMENT -L-	0 HR. Dry							
COLLAR ELEV. 111.0 ft		NORTHING 631,770		EASTING 2,254,814		24 HR. Dry							
TOTAL DEPTH 11.3 ft		DRILL MACHINE CME 55 Track		DRILL METHOD 2.25" ID HSA		HAMMER TYPE Automatic							
DATE STARTED 6/19/03		COMPLETED 6/19/03		SURFACE WATER DEPTH N/A									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
111.0ft	0.0	1	1	1	Ground Surface							111.0ft	0.0ft
	3.5				SS-1 14.3%							109.0ft	2.0ft
	6.5	1	1	2	SS-2 22.5%							102.0ft	9.0ft
	8.5	13										100.0ft	10.5ft
	11.2	60/0.1'										99.8ft	11.2ft
		60/0.1'										99.7ft	11.3ft
<p><b>-WEATHERED ROCK-</b> Gray &amp; brown FELSIC METAVOLCANIC.</p> <p><b>-NON-CRYSTALLINE ROCK-</b> Gray FELSIC METAVOLCANIC.</p> <p>Boring terminated with SPT refusal at elev. 99.7 feet on NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).</p> <p>Notes:          1) Geologist indicates strata break in split spoon at 9.0'.          2) Auger refusal at 11.2'.</p>													

NCDOT\_BORE B-3865.GPJ NCDOT.GDT 8/20/03