



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. EB1-A		BORING LOCATION 19+83		OFFSET 16' Lt.	ALIGNMENT -L-		0 HR. Dry						
COLLAR ELEV. 106.8 ft		NORTHING 631,488		EASTING 2,254,639		24 HR. Dry							
TOTAL DEPTH 6.6 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	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
106.8ft													Ground Surface
105	0.0	1	2	1							SS-9	27.8%	106.8ft
	3.5												104.3ft
		12	35	22							M		101.3ft
	6.5												100.2ft
		60/0.1'											60/0.1'

-ALLUVIAL-
 Brownish-gray, fine to coarse sandy SILT (A-4(0)), with little clay.
-RESIDUAL-
 Lt. reddish-brn. & gray, f. sandy SILT (A-4), w/ little clay & rock fragments to 1.5" in dia.
-NON-CRYSTALLINE ROCK-
 Gray FELSIC METAVOLCANIC.

Boring terminated with SPT refusal at elev. 100.2 feet on NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).

Notes:
 1) Driller indicates harder drilling at 5.5'.
 2) Auger refusal at 6.5'.
 * SPT N-value inflated due to rock fragments encountered.

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



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 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. EB1-B		BORING LOCATION 19+83		OFFSET 16' Rt.	ALIGNMENT -L-		0 HR. Dry						
COLLAR ELEV. 107.7 ft		NORTHING 631,474		EASTING 2,254,668		24 HR. Dry							
TOTAL DEPTH 8.1 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	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
107.7ft													Ground Surface
105	0.0	1	1	1							SS-7	12.7%	107.7ft
	3.5												105.2ft
		3	1	1							SS-8	25.6%	100.2ft
100	8.0												100.2ft
		60/0.1'											60/0.1'

-ALLUVIAL-
 Brown, fine to coarse sandy SILT (A-4(0)), with little clay.
-RESIDUAL-
 Light reddish-brown & gray, fine to coarse sandy SILT (A-4(0)), with little clay.
-NON-CRYSTALLINE ROCK-
 Gray FELSIC METAVOLCANIC.

Boring terminated with SPT refusal at elev. 99.6 feet on NON-CRYSTALLINE ROCK (FELSIC METAVOLCANIC).

Notes:
 1) Driller indicates harder drilling at 7.5'.
 2) Auger refusal at 8.0'.

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