



**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. 6.529005T	ID. R-2610B(2)	COUNTY Chatham	GEOLOGIST C. Baldwin
SITE DESCRIPTION Bridge on SBL US 421 (-L-) over Tick Creek			GROUND WATER (m)
BORING NO. EB1-A	BORING LOCATION 96+84.5	OFFSET 17.2m Lt.	ALIGNMENT -L-
COLLAR ELEV. 139.32 m	NORTHING 211,964.8	EASTING 573,292.4	
TOTAL DEPTH 4.66 m	DRILL MACHINE CME 550	DRILL METHOD 5.7cm ID HSA	HAMMER TYPE Automatic
DATE STARTED 4/21/03	COMPLETED 4/21/03	SURFACE WATER DEPTH N/A	

ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm	0	20	40	60	80			
139.32m	0.00	2	3	4	Ground Surface					SS-1	32.4%	139.32m 0.00m
138	1.07	3	4	5	-RESIDUAL- Reddish-brown, CLAY (A-7-5(40)), with some silt & trace fine to coarse sand.					M		137.27m 2.05m
136	2.59	2	2	1	Light reddish-brown, silty CLAY (A-7-6(22)), with trace fine to coarse sand.					SS-3	28.1%	135.06m 4.26m
	4.11	5	19	81/3cm	-WEATHERED ROCK- Blueish-gray METAMUDSTONE & META-ARGILLITE.							134.66m 4.66m

Notes:  
 1) Geologist indicates strata change in split spoon at 4.26m.

NCDOT\_BORE\_ME\_610B.GPJ NCDOT.GDT 5/20/03



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 BORING LOG

PROJECT NO. 6.529005T	ID. R-2610B(2)	COUNTY Chatham	GEOLOGIST C. Baldwin
SITE DESCRIPTION Bridge on SBL US 421 (-L-) over Tick Creek			GROUND WATER (m)
BORING NO. EB1-B	BORING LOCATION 96+79.2	OFFSET 5.8m Lt.	ALIGNMENT -L-
COLLAR ELEV. 138.02 m	NORTHING 211,968.6	EASTING 573,304.4	
TOTAL DEPTH 3.21 m	DRILL MACHINE CME 550	DRILL METHOD 5.7cm ID HSA	HAMMER TYPE Automatic
DATE STARTED 4/21/03	COMPLETED 4/21/03	SURFACE WATER DEPTH N/A	

ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG MOI	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm	0	20	40	60	80			
138.02m	0.00	2	3	5	Ground Surface					M		138.02m 0.00m
136	1.07	4	3	3	-RESIDUAL- Reddish-brown, CLAY (A-7-5), with some silt & trace fine to coarse sand.					ST-2	23.9%	137.48m 0.54m
	2.59	5	5	18	Reddish-brown, silty CLAY (A-7-6(21)), with little fine sand & trace coarse sand.							135.97m 2.05m
	3.20	50/1cm	50/1cm	50/1cm	Reddish-brown & gray, fine sandy SILT (A-4(4)), with some clay & trace coarse sand.					SS-7	18.3%	134.82m 3.20m
					-NON-CRYSTALLINE ROCK- Blueish-gray METAMUDSTONE & META-ARGILLITE.							134.81m 3.21m

Boring terminated with SPT refusal at elev. 134.81m on NON-CRYSTALLINE ROCK (METAMUDSTONE & META-ARGILLITE).

NCDOT\_BORE\_MET\_R2610B.GPJ NCDOT.GDT 5/20/03