



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. EB2-A		BORING LOCATION 97+21.7		OFFSET 17.2m Lt.		ALIGNMENT -L-							
COLLAR ELEV. 139.52 m		NORTHING 211,992.4		EASTING 573,267.4		0 HR. 2.68							
TOTAL DEPTH 3.48 m		DRILL MACHINE CME 550		DRILL METHOD 5.7cm ID HSA		HAMMER TYPE Automatic							
DATE STARTED 4/22/03		COMPLETED 4/22/03		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				100
139.52m	0.00	1	4	4									Ground Surface
	1.07	2	3	4							SS-13	25.8%	-RESIDUAL- Reddish-brown, silty CLAY (A-7-6(21)), with trace fine to coarse sand.
	2.59	13	9	11									Reddish-brown & gray, fine sandy CLAY (A-6), with some silt.
	3.47												-NON-CRYSTALLINE ROCK- Blueish-gray METAMUDSTONE & META-ARGILLITE.
		50/1cm											Boring terminated with SPT refusal at elev. 136.04m on NON-CRYSTALLINE ROCK (METAMUDSTONE & META-ARGILLITE).

Notes:
 1) Driller indicates harder drilling at a depth of 2.29m.
 2) Auger refusal at a depth of 3.47m.



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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. EB2-B		BORING LOCATION 97+16.4		OFFSET 7.0m Lt.		ALIGNMENT -L-							
COLLAR ELEV. 137.98 m		NORTHING 211,995.3		EASTING 573,278.5		0 HR. 1.22							
TOTAL DEPTH 1.93 m		DRILL MACHINE CME 550		DRILL METHOD 5.7cm ID HSA		HAMMER TYPE Automatic							
DATE STARTED 4/22/03		COMPLETED 4/22/03		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				100
137.98m	0.00	3	5	7									Ground Surface
	1.07	3	4	9									-RESIDUAL- Reddish-brown, silty CLAY (A-7-6), with trace fine to coarse sand.
	1.89												Light reddish-brown, silty CLAY (A-7-6).
		50/4cm											-WEATHERED ROCK- Blueish-gray METAMUDSTONE & META-ARGILLITE.
													Boring terminated at elev. 136.05m in WEATHERED ROCK (METAMUDSTONE & META-ARGILLITE).

Notes:
 1) Driller indicates harder drilling at a depth of 1.54m.
 2) Auger refusal at a depth of 1.89m.

NCDOT_BORE_M_2610B.GPJ NCDOT.GDT 5/20/03

NCDOT_BORE_MET_R2610B.GPJ NCDOT.GDT 5/20/03