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N.C.D.O.T. GEOTECHNICAL UNIT
 BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.T311002		ID. R-2552B		COUNTY Johnston		GEOLOGIST D. Carr							
SITE DESCRIPTION Relocation of Bridge #207 on SR 1560 over Little Creek						GROUND WATER (m)							
BORING NO. B2-B		BORING LOCATION 14+79.19		OFFSET 3.13m Rt.		ALIGNMENT -Y11-REV							
COLLAR ELEV. 60.29 m		NORTHING 206,941.57		EASTING 658,532.60		0 HR. 1.29							
TOTAL DEPTH 10.32 m		DRILL MACHINE CME 550 Track		DRILL METHOD 8.26cm ID HSA		HAMMER TYPE Automatic							
DATE STARTED 7/11/01		COMPLETED 7/11/01		SURFACE WATER DEPTH N/A									
ELEV. (m)	DEPTH (m)	BLOW COUNT			BLOWS PER 30 CM					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm	0	20	40	60	80				100
60.26													Ground Surface
60	0.00	WOH	1	1								M	60.26m 0.00m
	0.61												59.65m 0.81m
	1.07	1	WOH	1									59.45m 0.81m
	1.98	WOH	1	WOH									58.28m 1.98m
58	2.59	1	6	30									57.87m 2.59m
		100/13cm											57.54m 2.72m
	4.24	100/5cm											54.50m 5.76m
56													49.94m 10.32m
54													
52													
50													

Notes:
 1) Geologist indicates strata change in split spoon at 0.81m.
 2) PP=Pocket Penetrometer
 3) Wet spoon at 1.98m.
 4) Driller switches to coring techniques at 2.72m.
 5) 3.05m of casing set at 2.72m.
 6) N-value at 1.98m not representative of material.

NCDOT_BORE R2552B

CORE BORING REPORT							DATE: 07/11/2001
PROJECT:	8.T311002	I.D. NO.:	R-2552B	BORING NO.:	B2-B	GEOLOGIST:	Dan Carr
DESCRIPTION:	Relocation of Bridge #207 on SR 1560 over Little Creek					SENIOR DRILLER:	J.W. Gilchrist, Jr.
COUNTY:	Johnston	COLLAR ELEVATION:	60.29m	TOTAL DEPTH:	10.32m	DRILLING ASSISTANT:	M.W. Renza
Elev. (m)	Depth (m)	Drill Rate min./0.3m	Run Length (m)	REC (%)	RQD (%)	Sample #	FIELD CLASSIFICATION AND REMARKS
57.57	2.72	2:59	1.52	1.04/1.52	0.11/1.52		57.57m (2.72m)
		2:42		68.4%	7.2%		Tan/gray and white, moderately severely weathered, moderately to extremely fractured quartz-muscovite schist with disseminated pyrite. Major joint set @45° and between 0-10°.
		2:59					
		2:37					
		2:37					
56.05	4.24	2:59/0.32					STRATA REC.= 69% STRATA RQD.= 18%
							SPT taken from 4.24-4.29m (N value=100/5cm) Schist
56.00	4.29	2:41/0.27	1.47	1.02/1.47	0.42/1.47		
		3:11		69.4%	28.6%		
		2:30					
		2:57					
54.53	5.76	3:03					54.54m (5.76m)
54.53	5.76	4:21	1.52	1.36/1.52	0.94/1.52		
		4:23		89.5%	61.8%		
		3:17					Tan/gray and white, moderately weathered, slightly to moderately fractured, quartz-muscovite schist with disseminated pyrite and plagioclase lenses.
		2:48					
53.01	7.28	2:39/0.32					Layer of high feldspar content from 6.61-6.78m. STRATA REC.= 88% STRATA RQD.= 52%
							Major joint set @ 30°, 45°, 60°, and between 0-10°.
53.01	7.28	5:16	1.52	1.28/1.52	0.57/1.52		
		6:57		84.2%	37.5%	RS-4	Severely weathered zone from 6.01-6.17m.
		5:45					Extremely fractured zones from 7.28-8.01m, 8.49-8.80m, 9.38-9.43m, and 9.99-10.15m.
		6:05					RS-4=8,615.62 kPa
51.49	8.80	5:19/0.32					
51.49	8.80	5:21	1.52	1.36/1.52	0.85/1.52		
		7:07		89.5%	55.9%		
		6:14					
		7:19					
49.97	10.32	7:14/0.32					49.97m (10.32m)

DRILLING EQUIPMENT:
 CME - 550 ATV Track rig with automatic hammer.
 HOLE ADVANCEMENT:
 1. HSA from 0.00 - 2.72 meters using 8.26cm hollow stem augers.
 2. Cored using NQ3 triple barrel and a Series 6 face-discharge diamond impregnated bit from 2.72-10.32 meters.

NOTES:
 Coring terminated at elevation 49.97m in quartz-muscovite schist.