



2736 ROWLAND ROAD  
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N.C.D.O.T. GEOTECHNICAL UNIT  
BORING LOG

SHEET 1 OF 1

PROJECT NO. 33335.1.1		ID. B-3899		COUNTY ROCKINGHAM		GEOLOGIST C. BRUINSMA							
SITE DESCRIPTION BRIDGE #21 ON SR 1001 (WOOLEN STORE RD.) OVER TROUBLESOME CREEK						GROUND WATER (ft)							
BORING NO. B1A		BORING LOCATION 24+01		OFFSET 17' LT.		ALIGNMENT -L-							
COLLAR ELEV. 721.0 ft		NORTHING 929,147.1		EASTING 1,770,707.1		0 HR. 1.6							
TOTAL DEPTH 51.0 ft		DRILL MACHINE D-50		DRILL METHOD MUD ROTARY		HAMMER TYPE AUTO							
DATE STARTED 1-04-05		COMPLETED 1-04-05		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
721.0													EXISTING GROUND
720.0	0.0	1	2	1							SS-6	39.3%	720.8 ROOTMAT
	3.3	WOH	WOH	2							W		719.0 ALLUV: BROWN, SOFT, SANDY CLAYEY SILT (A-4)
	8.3	2	2	2							W		716.7 ALLUV: GRAY, V. LOOSE, SILTY SAND (A-2-4)
	13.3	2	2	2							SS-7		709.0 ALLUV: GRAY AND TAN, V. LOOSE TO LOOSE, SAND (A-1-b) WITH GRAVEL
	18.3	8	8	6							M		709.0 RES: BROWN AND TAN, LOOSE TO MED. DENSE, SILTY SAND (A-2-5) MICACEOUS, SAPROLITIC
	23.3	25	69	31/2							M		697.2 WR: BROWN, GRAY AND WHITE, GNEISS
	26.1	60/1											694.8 CR: GRAY, BLACK AND WHITE, MOD. TO MOD. SEV. WEATHERED, MED. HARD TO SOFT, V. CLOSE TO CLOSELY FRACTURED, GARNET-QUARTZ SCHIST
													691.8 WR: DARK GRAY AND WHITE, SEV. WEATHERED, V. SOFT, V. CLOSELY FRACTURED, GARNET-QUARTZ SCHIST
													691.0 CR: GRAY, BLACK AND WHITE, MOD. TO MOD. SEV. WEATHERED, MOD. HARD TO SOFT, V. CLOSE TO CLOSELY FRACTURED, GARNET-QUARTZ SCHIST
													688.2 CR: GRAY, BLACK AND WHITE, SLI. WEATHERED, HARD TO MED. HARD, V. CLOSE TO MOD. CLOSELY FRACTURED, GARNET-QUARTZ SCHIST INTERLAYERED WITH GNEISS
													670.0 CORING TERMINATED AT ELEV. 670.0' IN CR: GRAY, BLACK AND WHITE, SCHIST
													DRILLING FLUID PROPERTIES: 64.07 PCF

NCDOT\_BORE\_VARIABLE\_DEPTH\_04-070\_BRIDGE\_21\_ROCKINGHAM.GPJ NCDOT.GDT\_2/11/05

CORE BORING REPORT

DATE: 1/04/05

PROJECT: 33335.1.1 I.D. NO.: B-3899 BORING NO: B1A GEOLOGIST: C. BRUINSMA

DESCRIPTION: BRIDGE #21 ON SR 1001 (WOOLEN STORE RD.) OVER TROUBLESOME CREEK

COUNTY: ROCKINGHAM COLLAR ELEV.: 721.0 FT TOTAL DEPTH: 51.0 FT

ELEV. (FT)	DEPTH (FT)	DRILL RATE MIN/FT	RUN (FT)	REC FT %	RQD FT %	SAMP #	FIELD CLASSIFICATION AND REMARKS
694.8	26.2	2:40	4.8	4.0/4.8	0.7/4.8		26.2-29.2 CR: GRAY, BLACK AND WHITE, MOD. TO MOD. SEV. WEATHERED, MED. HARD TO SOFT, V. CLOSE TO CLOSELY FRACTURED, GARNET-QUARTZ SCHIST  STRATA REC = 100% STRATA RQD = 10%
		2:50					
		2:15					
690.0	31.0	3:00/8	5.0	4.7/5.0	2.6/5.0		29.2-30.0 WR: DARK GRAY AND WHITE, SEV. WEATHERED, V. SOFT, V. CLOSELY FRACTURED, GARNET-QUARTZ SCHIST  STRATA REC = 38% STRATA RQD = N/A
690.0	31.0	6:00					
		2:50					
685.0	36.0	2:50	5.0	94%	52%		30.0-32.8 CR: GRAY, BLACK AND WHITE, MOD. TO MOD. SEV. WEATHERED, MOD. HARD TO SOFT, V. CLOSE TO CLOSELY FRACTURED, GARNET-QUARTZ SCHIST  STRATA REC = 89% STRATA RQD = 11%
685.0	36.0	3:00					
		2:45					
680.0	41.0	3:15	5.0	100%	39.2%		32.8-51.0 CR: GRAY, BLACK AND WHITE, SLI. WEATHERED, HARD TO MED. HARD, V. CLOSE TO MOD. CLOSELY FRACTURED, GARNET-QUARTZ SCHIST INTERLAYERED WITH GNEISS  STRATA REC = 100% STRATA RQD = 56%
680.0	41.0	2:40					
		4:30					
675.0	46.0	4:45	5.0	5.0/5.0	4.1/5.0		
675.0	46.0	4:30					
		4:15					
670.0	51.0	3:45		100%	82%		

CORING TERMINATED AT 51.0 FT  
ELEVATION: 670.0 FT

DRILLER: I.CRUZ

CORE SIZE: HQ

EQUIPMENT: D-50 TRACK