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

SHEET 1 OF 1

PROJECT NO. 8.2407901	ID. B-3704	COUNTY Wake	GEOLOGIST D. Goodnight
SITE DESCRIPTION Br. 108 over Lower Barton's Cr. on SR 1834 (Norwood Rd.)			GROUND WATER (ft)
BORING NO. B2-B	BORING LOCATION 17+30.0	OFFSET 8.0 ft RT	ALIGNMENT -L-	0 HR. 2.00
COLLAR ELEV. 263.60 ft	NORTHING 798546.62	EASTING 2100733.38		24 HR. 3.00
TOTAL DEPTH 34.30 ft	DRILL MACHINE Truck CME 55	DRILL METHOD Wash Rotary 3.875 in. Tricone	HAMMER TYPE 140 lb. Manual
DATE STARTED 6/26/03	COMPLETED 6/26/03	SURFACE WATER DEPTH NA	

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION	
263.6										
263.6	0.0	100/0			100/0				Artificial Fill/Rip Rap Infilled with Alluvial: Very Loose, Tan, Silty, Fine SAND (A-2-4)	0.00
258.8	4.8									4.8
256.8	6.8	9	9	18	27	SS-9	W		Alluvial: Medium Dense, Tan, Silty, Fine to Coarse SAND with Quartz Gravel (A-1-b)	
		18	24	22	46	SS-10	M			7.8
252.3	11.3								Residual: Dense, Brown, Micaceous, Saprolitic, Silty, Coarse to Fine SAND (A-2-4)	10.0
		60/0			60/0				Weathered Rock: Brown, Biotite Schist	11.3
									Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist with Moderately Close to Wide Fracture Spacing	
										15.9
245.2	18.4								Crystalline Rock: Moderately Weathered, Moderately Hard, Gray, Biotite Schist with Close Fracture Spacing	17.1
						RS-7			Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist with Moderately Close to Wide Fracture Spacing	
240.3	23.3					RS-8			Note: Weathered Rock Zones at 25.0-25.5 feet; and 26.8-27.1 feet	
										28.1
									Crystalline Rock: Moderately Weathered, Moderately Hard, Green-Gray, Amphibolite with Close Fracture Spacing	29.7
									Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist with Moderately Close Fracture Spacing	34.3
									Coring Terminated at 34.3 feet (Elev. 229.3) in Crystalline Rock (Gray, Biotite Schist)	

Drilling Fluid Properties: Water

NCDOT BORE SINGLE 07103015.GPJ NC_DOT.GDT 10/15/03

N.C.D.O.T. GEOTECHNICAL UNIT
CORE BORING REPORT

SHEET 1 OF 1

PROJECT NO. 8.2407901	ID. B-3704	COUNTY Wake	GEOLOGIST D. Goodnight
SITE DESCRIPTION Br. 108 over Lower Barton's Cr. on SR 1834 (Norwood Rd.)			GROUND WATER (ft)
BORING NO. B2-B	BORING LOCATION 17+30.0	OFFSET 8.0 ft RT	ALIGNMENT -L-	0 HR. 2.00
COLLAR ELEV. 263.60 ft	NORTHING 798546.62	EASTING 2100733.38		24 HR. 3.00
TOTAL DEPTH 34.30 ft	DRILL MACHINE Truck CME 55	DRILL METHOD Wash Rotary 3.875 in. Tricone	HAMMER TYPE 140 lb. Manual
DATE STARTED 6/26/03	COMPLETED 6/26/03	SURFACE WATER DEPTH NA	
CORE SIZE HQ	TOTAL RUN 23.0 ft	DRILLER C. Heun	

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS	
										Begin Coring @ 11.3 ft	
252.3	11.3	3.0	N=60/0 2:15 2:48 2:47	(3.0) 100%	(3.0) 100%		(4.6) 100%	(4.6) 100%		Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist and Gneiss with Moderately Close to Wide Fracture Spacing	11.3
249.3	14.3									1 joint at 45°	15.9
244.3	19.3	5.0	2:46 2:21 1:53 1:41 2:07	(4.9) 98%	(4.1) 82%	RS-7	(1.1) 92% (10.9) 99%	(0.4) 33% (9.3) 85%		Crystalline Rock: Moderately Weathered, Moderately Hard, Gray, Biotite Schist and Gneiss with Close Fracture Spacing	17.1
239.3	24.3	5.0	2:10 1:54 2:01 1:59 2:28	(5.0) 100%	(4.9) 98%	RS-8				3 joints at 0° 1 joint at 10° 1 joint at 30° Core Loss at 17.0-17.1 feet	
234.3	29.3	5.0	1:34 1:36 1:29 1:34 1:35	(4.9) 98%	(2.8) 56%		(1.6) 100%	(0.5) 31%		Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist and Gneiss with Moderately Close to Wide Fracture Spacing	28.1
229.3	34.3	5.0	1:41 1:47 1:55 2:00 1:43	(5.0) 100%	(4.6) 92%		(4.6) 100%	(4.6) 100%		Note: Weathered Rock Zones at 25.0-25.5 feet; and 26.8-27.1 feet with Close to Very Close Fracture Spacing	29.7
										4 joints at 0°-5° Core Loss at 27.0-27.1 feet	34.3
										Crystalline Rock: Moderately Weathered, Moderately Hard, Green-Gray, Amphibolite with Close Fracture Spacing	
										3 joints at 45° 4 joints at 0°-10°	
										Crystalline Rock: Very Slightly Weathered, Hard, Gray, Biotite Schist and Gneiss with Moderately Close Fracture Spacing	
										2 joints at 0°-5°	
										Coring Terminated at 34.3 feet (Elev. 229.3) in Crystalline Rock (Gray, Biotite Schist and Gneiss)	

Drilling Fluid Properties: Water

NCDOT CORE SINGLE CRCPY015.GPJ NC_DOT.GDT 10/15/03