

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

SITE DESCRIPTION Br. 108 over Lower Barton's Cr. on SR 1834 (Norwood Rd.) GROUND WATER (ft BORING NO. B1-B (Revised) BORING LOCATION 16+70.0 OFFSET 8.0 ft RT ALIGNMENT -L 0 HR. 3.00 COLLAR ELEV. 269.50 ft NORTHING 796591.12 EASTING 2100692.81 24 HR. 6.80		TRANSIS																	,	SHEE	ET 1 OF	- 1	
BORING NO. B1-B (Revised) BORING LOCATION 16+70.0 OFFSET 8.0 ft RT ALIGNMENT L- 0 HR. 3.00	PROJ	ECT NO	0. 8.2												ake				GEOLOG				
COLLAR ELEV. 269.50 ft NORTHING 798591.12 EASTING 2100692.81 24 HR. 6.80												vood F								GROU	ND WAT	ER (ft)	
TOTAL DEPTH 25.60 ft DRILL MACHINE Truck CME 55 DRILL METHOD Advanced Casing HAMMER TYPE 140 lb. Man	ļ							OCA	TION	16+70.0)		OFF	SET 8	8.0 f	t RT		ALI	GNMENT -L-		0 HR	. 3	3.00
DATE STARTED 10/8/03 COMPLETED 10/8/03 SURFACE WATER DEPTH NA	COLLA	AR ELE	V. 26	9.50 ft	NO	RTHI	ING	7985	91.12				EAS	TING	210	0069	2.81	1			24 HR.	. 6	3.80
ELEV DEPTH BLOW COUNT BLOWS PER FOOT (ft)	TOTAL	DEPT	H 25.	60 ft	DRI	LL N	MACH	NE	Truck	CME 55	D	RILL	MET	HOD	Adv	vanc	ed C	Casing	ړه	HAMN	IER TYPE	140 lb.	. Manua
(ft) (ft) 0.5ft 0.	<u> </u>		-,					OMP	LETED	10/8/0	3		SUR	FACE	WA	TER	DEF	PTH I	NA				***************************************
289.5 0.0 1 1 2 43 SS-1 M Alluvial: Very Loose, Brown, Sity, Coarse to Fine SAND (A-2-4) 286.0 3.5 2 3 8 SS-2 M SS-2 M SS-2 M SS-2 M SS-2 M M M SS-2 M M M M M SS-2 M M M M M M M M M M M M M M M M M M M	I	l	ļ			ť C) L				OT	80	10	1		моі	0		SOIL AN	D ROCK	DESCRIPT	ION	
	269.5 269.5 266.0	(ft)	0.5ft	0.5ft	0.5f		•3 ••••••••••••••••••••••••••••••••••••	20	40	60		80	100/,3	NO SS-	1 7	M V M	0 G	265.0 264.0 263.2 261.2 259.6 255.2 251.9 247.4 246.2	Alluvial: Very L Fine SAND (A- Residual: Stiff, Coarse to Fine Weathered Roc Crystalline Rock Weathered, Mod Schist with Mod Crystalline Rock Weathered, Mod Schist with Clos Spacing Crystalline Rock Weathered Rock Severely Weathered Rock Severely Weathered Rock Severely Weathered Rock Gray and Grown Fracture Spacing Crystalline Rock Weathered, Mod Biotite Schist wit Spacing Crystalline Rock: Weathered, Mod Biotite Schist wit Coring Terminate Crystalline Rock	Brown, I Sandy S k: Gray, c: Moderately erately C: Moderately et a to Moderately be to Moderately Hon Moderatel	micaceous, Silty, On Micaceous, Silty, On Micaceous, Silty, On Micaceous, Silty (A-4) Biotite Schirately to Slighter Schirately to Slighter Schirate to Mode Edium Hard, Gray, Berately Close Factor Schirately Severately Close It of Medium Schirately to Slighter Very Close It of Medium Schirately to Slighter Very Close It of Medium Schirately to Slighter Medium Schirately	Saprolitic, st htty Biotite re Spacing rately Gray and cture Biotite e Fracture ley to Hard, Close dity Gray, Fracture ed, Soft, Fracture tity Gray,	14.3

SHEET 17 OF 35 N.C.D.O.T. GEOTECHNICAL UNIT CORE BORING REPORT

W. 01	TRANSPER										SHEET 1 OF 1
PROJ	ECT NO	. 8.2	407901		· · · · · · · · · · · · · · · · · · ·	ID. B-	3704			CC	DUNTY Wake GEOLOGIST D. Goodnight
SITE	DESCRIP	PTION	Br. 10	8 over	Lower	Barton's	Cr. on	SR 18	334 (N	10rw	
BORII	NG NO.	B1-E	(Revise	d) BO	RING	LOCATI	ON 1	6+70.	0		OFFSET 8.0 ft RT ALIGNMENT -L- 0 HR. 3.00
COLL	AR ELE\	/. 26	9.50 ft	NORT	HING	79859	1.12				EASTING 2100692.81 24 HR. 6.80
TOTA	L DEPTH	1 25.	60 ft	DRILL	MAC	HINE T	ruck C	ME 55	5 DI	RILL	METHOD Advanced Casing HAMMER TYPE 140 lb: Man
DATE	STARTE	D 1	0/8/03			COMPLI	ETED	10/8/0	03		SURFACE WATER DEPTH NA
CORE	SIZE H	IQ.				TOTAL	RUN	19.3 ft		-	DRILLER B. Shull
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	REC.	RATA RQD (ft) %	L O G		DESCRIPTION AND REMARKS
263.2	6.3	4.3	4:15	(4.3)	(2.6)		(2.0)	(1.5)		263.	Begin Coring @ 6.3 ft
200.2	0.3	4.0	4:19	100%			100%	75%		261.	orystamic reservitions to signify weathered, wilderately fight, Grav.
258.9	10.6		3:29 3:10				(1.6) 100%	(0.4) 25%	\mathcal{H}	-259.6	——————————————————————————————————————
		5.0	\ <u>1:54/0.3</u> 3:39	/ (5.0) 100%	(4.2)		(4.4) 100%	(4.1)			Crystalline Rock: Moderately to Moderately Severely Weathered, Medium Hard, Gray and Brown, Biotite Schist with Close Fracture Spacing
			3:10 3:11						1/4	255.2	
253.9	15.6	5.0	2:45	(3.8)	(2.8)	-	(2.1) 64%	(0.8) 24%	KIF		1 joint at 20°
			2:25	76%	56%		(4.5)		M	251.9	— Crystaline Rock: Medium to Slightly vveathered, Moderately Hard, Gray, Biotite —
248.9	20.6		2:18 3:29				100%	(4.3) 96%		-	Schist with Close to Moderately Close Fracture Spacing
270.0	20.0	5.0	2:57 3:29	(4.2)	(3.8)					247.4	2 joints at 0-5° 1 joint at 10° with Iron Staining on joint Surfaces
		. [4:04 4:11	84%	76%		(0.4)	(NA) (2.3)	167 17	246.2	Weathered Rock: Moderately Severe to Severely Weathered, Soft to Medium
243.9	25.6		4:02 4:34					100%		243.9	Hard, Gray and Brown, Biotite Schist with Close Fracture Spacing
		Λ	4:37			ĺ	10076		F		Crystalline Rock Zone at 14.8-15.6 feet
-		1			.]	ĺ	1		Ł		1 joint at 45° Several Mechanical Breaks
					.				F		Core Loss at 15.6-16.8 feet
									F		Crystalline Rock: Moderately to Slightly Weathered, Moderately Hard to Hard, Gray, Biotite Schist with Moderately Close Fracture Spacing
			ľ	-	1	.			F		
					1	•			E		Weathered Rock Zone at 19.1-19.5 feet Weathered Rock: Severely Weathered, Soft, Brown, Biotite Schist with Very
								1	F		Close Fracture Spacing
									E		Numerous joints at 0-5°
						-			F		Core Loss at 22.2-23.0 feet Crystalline Rock: Moderately to Slightly Weathered, Moderately Hard to Hard, Gray, Biotite Schist with No Fractures
									F		Coring Terminated at 25.6 feet (Elev. 243.9) in Crystalline Rock (Biotite Schist)
	,								F		Drilling Fluid Properties: Water
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