

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO 8.2663501	ID B-3623	COUNTY CABARRUS	GEOLOGIST T.A. MECHUM
SITE DESCRIPTION BRIDGE NO.176 OVER REEDY CREEK ON SR 1136			GND WATER
BORING NO B1-B	NORTHING 0.00	EASTING 0.00	0 HR N/A
ALIGNMENT L	BORING LOCATION 18+05.000	OFFSET 15.00ft RT	24 HR 5.00ft
COLLAR ELEV 536.24ft	TOTAL DEPTH 30.50ft	START DATE 4/02/03	COMPLETION DATE 04/03/03
DRILL MACHINE DIEDRICH D-50	DRILL METHOD SPT CORE BORING	HAMMER TYPE MANUAL	
SURFACE WATER DEPTH		DEPTH TO ROCK 12.83ft	Log B1-B, Page 1 of 1

PROJECT NO: 8.2663501 PROJECT ID: B-3623 COUNTY: CABARRUS GEOLOGIST: T.A. MECHUM
 SITE DESCRIPTION: BRIDGE NO. 176 OVER REEDY CREEK ON SR 1136 DRILLER: J. LITTLE
 BORING NO: B1-B BORING LOCATION (STA): 18+05.0 -L- OFFSET: 15.0 RT.
 COLLAR ELEV: 536.24 PERSONNEL: L. SHRADER CORE SIZE: NQ2
 TOTAL DEPTH: 30.5 DRILL MACHINE: DIEDRICH D-50 RC TRACK RIG DATE STARTED: 4/02/03
 TOTAL RUN: 17.67 DRILL EQUIP: NWCAS/NQWL DATE COMPLETED: 4/03/03

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
536.24														Ground Surface
	3.50	2	2	3	1.0							SS-21	W	(ALLUVIUM) RED-GRAY MOTTLED, MIC., MED. STIFF, WET-SAT., F. SANDY SILTY CLAY
530.00	8.50	1	2	6	1.0								SAT	
												RUN-1		(WEATHERED ROCK)
												RUN-2		GRAY, SLI. WEATH., MOD. HARD, CLOSE-MOD. CLOSE FRAC., MAFIC META VOLCANIC, REC=100% RQD=51%
												RUN-3		SAME AS ABOVE, MOD. CLOSE FRAC., REC=100% RQD=94%
												RUN-4		GRAY & WHITE-PINK-GRAY, MOD. HARD-HARD, MOD. CLOSE FRAC., MAFIC META VOLCANIC & GRANITE, REC=98% RQD=98%
505.74														BORING TERMINATED AT ELEV. 505.74' IN WHITE-GRAY, V. SLI. WEATH., HARD, WIDE FRAC., GRANITE
														WHITE-GRAY, V. SLI. WEATH., HARD, WIDE FRAC., GRANITE W/ THIN STREAKS OF MAFIC META VOLCANIC, REC=97% RQD=97%

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
523.41	12.83		1	100%	51%		GRAY, SLIGHTLY WEATHERED, MODERATELY HARD, CLOSE-MODERATELY CLOSE FRACTURED, MAFIC META VOLCANIC
520.74	15.5		2	100%	94%	RS-2 15.5-16.5'	SAME AS ABOVE, MODERATELY CLOSE FRACTURES
515.74	20.5		3	98%	98%		GRAY & WHITE-PINK-GRAY, MODERATELY HARD-HARD, MODERATELY CLOSE FRACTURED, MAFIC META VOLCANIC & GRANITE NEAR VERTICAL FRACTURES
510.74	25.5		4	97%	97%		WHITE-GRAY, VERY SLIGHTLY WEATHERED, HARD, WIDE FRACTURED, GRANITE WITH THIN STREAKS OF MAFIC META VOLCANIC

NOTES