

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	PROJECT ID: B-3623	COUNTY: CABARRUS	GEOLOGIST: T.A. MECHUM
SITE DESCRIPTION: BRIDGE NO. 176 OVER REEDY CREEK ON SR 1136	BORING LOCATION (STA): 18+05.0 -L-		DRILLER: J. LITTLE
BORING NO: B1-A	PERSONNEL: L. SHRADER	OFFSET: 15.0 LT.	
COLLAR ELEV: 535.58	DRILL MACHINE: DIEDRICH D-50 RC TRACK RIG	CORE SIZE: NQ2	
TOTAL DEPTH: 30.33	DRILL EQUIP: NWCAS/NQWL	DATE STARTED: 4/03/03	
TOTAL RUN: 14.25		DATE COMPLETED: 4/03/03	

PROJECT NO 8.2663501		ID B-3623		COUNTY CABARRUS		GEOLOGIST T.A. MECHUM							
SITE DESCRIPTION BRIDGE NO.176 OVER REEDY CREEK ON SR 1136													
BORING NO B1-A		NORTHING 0.00		EASTING 0.00		GND WATER							
ALIGNMENT L		BORING LOCATION 18+05.000		OFFSET 15.00ft LT		0 HR N/A							
COLLAR ELEV 535.58ft		TOTAL DEPTH 30.33ft		START DATE 4/03/03		COMPLETION DATE 04/03/03							
DRILL MACHINE DIEDRICH D-50				DRILL METHOD SPT CORE BORING		HAMMER TYPE MANUAL							
SURFACE WATER DEPTH				DEPTH TO ROCK 16.08ft		Log B1-A, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75	100			
535.58													Ground Surface
	3.50	2	2	2	1.0	4					SS-22	W	(ALLUVIUM) BROWN-GRAY, MOTTLED, V. LOOSE-LOOSE, WET, CLAYEY SILTY CSE. SAND
	8.50	1	2	2	1.0	4					SS-23	SAT	GRAY, V. LOOSE-LOOSE, SAT., SAND
	13.50	9	100		0.4				100		SS-24	D	(RESIDUAL) BLACK, MIC., MED. DENSE, DRY, SILTY CSE. SAND
											RUN-1		(WEATHERED ROCK)
											RUN-2		GRAY-WHITE-BLACK, V. SLI. WEATH., HARD, MOD. CLOSE-WIDE FRAC., GRANITE, REC=92% RQD=87%
											RUN-3		SAME AS ABOVE, WIDE FRACTURES, REC=100% RQD=100%
											RS-1		SAME AS ABOVE, V. HARD, WIDE FRACTURES, REC=99% RQD=99%
						BORING TERMINATED AT ELEV. 505.25 IN GRAY-WHITE-BLACK, V. SLI. WEATH., V. HARD, WIDE FRAC., GRANITE							

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
519.50	16.08		1	92%	87%		GRAY-WHITE-BLACK, VERY SLIGHTLY WEATHERED, HARD, MODERATELY CLOSE-WIDE FRACTURED, GRANITE
515.25	20.33		2	100%	100%		SAME AS ABOVE, WIDE FRACTURES
510.25	25.33		3	99%	99%		SAME AS ABOVE, VERY HARD, WIDE FRACTURES
505.25	30.33					RS-1 28.48- 29.33'	
NOTES							