

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 B2-B	NORTHING 0.00	EASTING 0.00	0 HR N/A
ALIGNMENT L	BORING LOCATION 18+70.000	OFFSET 15.00ft RT	24 HR 1.80ft
COLLAR ELEV 534.00ft	TOTAL DEPTH 40.00ft	START DATE 4/01/03	COMPLETION DATE 04/01/03
DRILL MACHINE DIEDRICH D-50	DRILL METHOD SPT CORE BORING	HAMMER TYPE MANUAL	
SURFACE WATER DEPTH N/A		DEPTH TO ROCK 20.10ft	

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: B2-B BORING LOCATION (STA): 18+70.0 -L- OFFSET: 15.0 RT.
 COLLAR ELEV: 535.25 PERSONNEL: L. SHRADER CORE SIZE: NQ2
 TOTAL DEPTH: 40.0 DRILL MACHINE: DIEDRICH D-50 RC TRACK RIG DATE STARTED: 4/01/03
 TOTAL RUN: 19.83 DRILL EQUIP: NWCAS/NQWL DATE COMPLETED: 4/01/03

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
534.00														Ground Surface
530.00	3.50	2	2	3	1.0	5							SS-12	(ALLUVIUM) BROWN, SOFT-MED. STIFF, MOIST, SILTY CLAY
	8.50	3	5	5	1.0	10							M	(ALLUVIUM) GRAY-BROWN, MOTTLED, MED. STIFF, MOIST, CLAYEY V. SANDY SILT
520.00	13.50	59	41		0.7				100				SS-13	(RESIDUAL) GRAY, V. STIFF, SAT., V. SANDY SILT
	18.50	100			0.1				100				SAT	(WEATHERED ROCK)
													RUN-1	(CRYSTALLINE ROCK)
510.00													RUN-2	MAFIC META VOLCANIC TO 20.7', THEN, GRY-WTE-BLK, SLI. WEATH., HARD, CLOSE FRAC., GRANITE, REC=100% RQD=58%
													RUN-3	AS ABOVE TO 25.7', THEN, GRAY SLI. WEATH., MOD. HARD, WIDE FRAC., MAFIC META VOLCANIC, REC=100% RQD=100%
500.00													RUN-4	GRAY, SLI. WEATH., MOD. HARD, WIDE FRAC., MAFIC META VOLCANIC, REC=100% RQD=100%
494.00														SAME AS ABOVE, REC=100% RQD=100%
														BORING TERMINATED AT ELEV. 494.0' IN GRAY, SLI. WEATH., MOD. HARD, WIDE FRAC., MAFIC META VOLCANIC

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
515.08	20.17		1	100%	58%		GRAY, MODERATELY SEVERELY, MEDIUM HARD, VERY CLOSELY FRACTURED, MAFIC META VOLCANIC TO 20.7, THEN, GRAY-WHITE-BLACK, SLIGHTLY WEATHERED, HARD, CLOSELY FRACTURED GRANITE
510.25	25.0		2	100%	100%		SAME AS ABOVE TO 25.7', THEN, GRAY, SLIGHTLY WEATHERED, MODERATELY HARD, WIDELY FRACTURED, MAFIC META VOLCANIC
505.25	30.0		3	100%	100%		GRAY, SLIGHTLY WEATHERED, MODERATELY HARD, WIDELY FRACTURED, MAFIC META VOLCANIC
500.25	35.0		4	100%	100%		SAME AS ABOVE
495.25	40.0						

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