

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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 EB1-A		NORTHING 0.00		EASTING 0.00		0 HR 20.00ft									
ALIGNMENT L		BORING LOCATION 17+45.000		OFFSET 15.00ft LT		24 HR 12.40ft									
COLLAR ELEV 541.26ft		TOTAL DEPTH 31.00ft		START DATE 4/02/03		COMPLETION DATE 04/02/03									
DRILL MACHINE DIEDRICH D-50			DRILL METHOD H.S. AUGERS			HAMMER TYPE MANUAL									
SURFACE WATER DEPTH			DEPTH TO ROCK 31.00ft			Log EB1-A, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100					
541.26	0.00	2	3	2	1.0										Ground Surface
	3.50	3	5	7	1.0	5	12					SS-14	M		(ALLUVIUM) RED-BROWN, MIC., MED. STIFF, MOIST, SILTY V. SANDY CLAY
	8.50	14	17	19	1.0							SS-15	M		(ALLUVIUM) RED, MIC., STIFF, MOIST, SILTY SANDY CLAY
530.00	13.50	20	33	24	1.0							SS-16	D		(RESIDUAL) TAN, MIC., DENSE, DRY-MOIST, SILTY CSE. SAND
	18.50	15	11	22	1.0								M		
520.00	23.50	5	7	8	1.0							SS-17	M		BLACK, HARD, MOIST, SANDY SILT
	28.50	90	10		0.6							SS-18	M		TAN-WHITE, STIFF-V. STIFF, MOIST, HIGHLY PLASTIC, SANDY SILTY CLAY
510.26													SAT		(WEATHERED ROCK) BLACK ROCK FRAGMENTS
															AUGER-REFUSAL AT ELEV. 510.26' ON HARD ROCK

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SITE DESCRIPTION BRIDGE NO.176 OVER REEDY CREEK ON SR 1136							GND WATER								
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A									
ALIGNMENT L		BORING LOCATION 17+45.000		OFFSET 15.00ft RT		24 HR 4.60ft									
COLLAR ELEV 538.89ft		TOTAL DEPTH 20.50ft		START DATE 4/02/03		COMPLETION DATE 04/02/03									
DRILL MACHINE DIEDRICH D-50			DRILL METHOD H.S. AUGERS			HAMMER TYPE MANUAL									
SURFACE WATER DEPTH			DEPTH TO ROCK 20.50ft			Log EB1-B, Page 1 of 1									
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG MOI	LOG G	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100					
538.89	0.00	1	2	2	1.0										Ground Surface
	3.50	4	5	4	1.0	4	9					SS-19	W		(ALLUVIUM) RED, MIC., SOFT-MED. STIFF, MOIST, SILTY V. SANDY CLAY
	8.50	16	22	22	1.0							SS-20	D		RED, STIFF, WET, SILTY V. SANDY CLAY
530.00	13.50	54	46		0.8								M		(RESIDUAL) TAN, HARD, DRY, CLAYEY F. SANDY SILT W/ ROCK FRAGMENTS
	18.50	100			0.0										(WEATHERED ROCK) ROCK FRAGMENTS & SAND
520.00															(CRYSTALLINE ROCK)
518.39															AUGER-REFUSAL AT ELEV. 518.39' ON HARD ROCK