

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST L. A. MANN							
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE							GND WATER						
BORING NO EBL B5-A		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-REV		BORING LOCATION 68+87.000		OFFSET 5.00m RT		24 HR N/A							
COLLAR ELEV 472.06m		TOTAL DEPTH 21.85m		START DATE 1/28/98		COMPLETION DATE 01/29/98							
DRILL MACHINE CME-45 SKID			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH 2.06m			DEPTH TO ROCK N/A			Log EBL B5-A, Page 1 of 2							
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75				100
474.12													
473.00													
471.00	0.70	3	4	11	0.3						SS-504	ALLUVIUM: BROWN, LOOSE SILTY SAND	
469.00	2.22	17	20	28	0.3							SAPROLITE: OLIVE GRAY, MEDIUM STIFF TO VERY HARD, FINE SANDY SILT	
467.00	3.75	4	2	5	0.3						SS-505		
465.00	5.26	35	26	50	0.3							OLIVE GRAY, SILTY SOFT WEATHERED ROCK	
463.00	6.78	19	24	84	0.3						COR 1	SLIGHTLY WEATHERED, HIGHLY FRACTURED PHYLLITE REC=70% RQD=9%	
461.00	8.31	100	0	0	0.0						COR 2		
459.00											COR 3	FRESH, SLIGHTLY FRACTURED PHYLLITE WITH A FEW THIN WEATHERED ZONES REC=83% RQD=36%	
457.46											COR 4		
											COR 5		

Continued on the next page.

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ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75				100
457.46													
457.00													FRESH, FRACTURED PHYLLITE REC=64% RQD=4%
455.00													
453.00													FRESH, SOUND PHYLLITE REC=98% RQD=59%
451.00													
450.21													
													BORING TERMINATED AT ELEVATION 450.21 METERS IN ROCK