

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 WBL B5-A		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -L-REV		BORING LOCATION 68+78.000		OFFSET 17.00m LT		24 HR N/A								
COLLAR ELEV 472.02m		TOTAL DEPTH 22.66m		START DATE 1/26/98		COMPLETION DATE 01/28/98								
DRILL MACHINE CME-45 SKID			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH 2.00m			DEPTH TO ROCK N/A			Log WBL 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				
474.02														Surface Water
473.00														Ground Surface
471.00	0.64	21	21	14	0.3									ALLUVIUM: BROWN, LOOSE SILTY SAND
469.00	2.16	28	34	61	0.3							SS-501		SAPROLITE: OLIVE GRAY TO OLIVE BROWN, HARD TO VERY HARD, FINE SANDY SILT
467.00	3.68	100	0	0	0.1									OLIVE GRAY, SILTY SOFT WEATHERED ROCK
465.00	5.10	29	22	21	0.3									SAPROLITE: OLIVE BROWN, HARD, FINE SANDY SILT WITH WEATHERED ROCK SEAMS
463.00	6.62	17	17	34	0.3							SS-502		OLIVE GRAY, SILTY SOFT WEATHERED ROCK
461.00	8.14	49	100	0	0.2									SAPROLITE: OLIVE BROWN, VERY HARD, FINE SANDY SILT
459.00	9.66	21	21	61	0.3									SOFT WEATHERED ROCK
457.00	11.19	58	100	0	0.3									SLIGHTLY WEATHERED, SOUND PHYLLITE REC=97% RQD=54%
														HARD, FRESH, SOUND METAQUARTZITE WITH FRACTURED QUARTZ VEINS TOP AND BOTTOM REC=82% RQD=37%

Continued on the next page

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SURFACE WATER DEPTH 2.00m			DEPTH TO ROCK N/A			Log WBL B5-A, Page 2 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				
457.00														
456.00														HARD, FRESH, SOUND METAQUARTZITE WITH FRACTURED QUARTZ VEINS TOP AND BOTTOM REC=82% RQD=37%
454.00														FRESH, SOUND PHYLLITE REC=98% RQD=63%
452.00														SLIGHTLY WEATHERED, HIGHLY FRACTURED PHYLLITE REC=70% RQD=0%
450.00														FRESH, SOUND METASILTSTONE REC=93% RQD=53%
449.36														BORING TERMINATED AT ELEVATION 449.36 METERS IN ROCK