

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST T.P. SHELTON											
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE							GND WATER										
BORING NO EBL B4-B		NORTHING 0.00		EASTING 0.00		0 HR N/A											
ALIGNMENT -L-REV		BORING LOCATION 68+65.000		OFFSET 15.17m RT		24 HR N/A											
COLLAR ELEV 475.96m		TOTAL DEPTH 23.76m		START DATE 10/16/97		COMPLETION DATE 10/16/97											
DRILL MACHINE CME 550			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC											
SURFACE WATER DEPTH			DEPTH TO ROCK 12.46m			Log EBL B4-B, Page 1 of 2											
ELEV	DEPTH	BLOW CT			PEN	BLOWS PER 30cm				SAMPLE	LOG	SOIL AND ROCK DESCRIPTION					
		15cm	15cm	15cm	(m)	0	25	50	75	100	NO		MOI				
475.96																	
475.00	0.96	0	1	1	0.3												ALLUVIUM: BROWN, VERY LOOSE SILTY SAND
473.00	2.48	9	14	18	0.3												ALLUVIUM: BROWN AND TAN, DENSE SILTY COARSE SAND AND GRAVEL
471.00	4.01	48	100	0	0.1												OLIVE GRAY, SILTY SOFT WEATHERED ROCK
469.00	7.06	81	81	19	0.2												
467.00	8.58	100	0	0	0.1												
465.00	10.10	56	100	0	0.1												
463.00																	CORE 1
461.00																	CORE 2
459.00																	CORE 3
458.00																	CORE 4

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SURFACE WATER DEPTH			DEPTH TO ROCK 12.46m			Log EBL B4-B, Page 2 of 2											
ELEV	DEPTH	BLOW CT			PEN	BLOWS PER 30cm				SAMPLE	LOG	SOIL AND ROCK DESCRIPTION					
		15cm	15cm	15cm	(m)	0	25	50	75	100	NO		MOI				
458.00																	
457.00																	SLIGHTLY WEATHERED HIGHLY FRACTURED METASILTSTONE REC=64% RQD=16%
455.00																	FRESH, SLIGHTLY FRACTURED TO SOUND METASILTSTONE REC=93% RQD=73%
453.00																	CORE 5
452.20																	CORE 6
																	BORING TERMINATED AT ELEVATION 452.204 METERS IN ROCK