NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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-A	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** N/A
ALIGNMENT -L-REV	**BORING LOCATION** 68+60.000	**OFFSET** 5.73m RT	**24 HR** N/A
COLLAR ELEV 476.13m	**TOTAL DEPTH** 24.28m	**START DATE** 10/27/97	**COMPLETION DATE** 10/28/97
DRILL MACHINE CME 550	**DRILL METHOD** SPT CAS ADV NXWL		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH	**DEPTH TO ROCK** 13.07m		Log EBL B4-A, Page 1 of 2

ELEV	DEPTH	BLOW CT 15cm	BLOW CT 15cm	BLOW CT 15cm	PEN (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
476.13						Ground Surface				
475.00	0.95	1	0	1	0.3	1		W		ALLUVIUM: BROWN VERY LOOSE SILTY SAND
473.00	2.47	2	6	7	0.3	13		W		ALLUVIUM: BROWN, MEDIUM DENSE, COARSE SAND AND GRAVEL
	4.00	12	22	32	0.3	54		W		SAPROLITE: OLIVE GRAY, HARD, FINE SANDY SILT
471.00	5.52	58	64	36	0.2	100		M		SAPROLITE AND SOFT WEATHERED ROCK INTERLAYERED: OLIVE GRAY, HARD SANDY SILT
469.00	7.05	100	0	0	0.1	100		M		OLIVE TO GRAY, SILTY SOFT WEATHERED ROCK
467.00	8.57	100	0	0	0.1	100		M		
	10.09	100	0	0	0.1	100				
465.00										
463.00							CORE 1			HIGHLY FRACTURED PHYLLITE INTERLAYERED WITH SOFT WEATHERED ROCK REC=46% RQD=11%
461.00							CORE 2			
459.00										

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ELEV	DEPTH	BLOW CT 15cm	BLOW CT 15cm	BLOW CT 15cm	PEN (m)	BLOWS PER 30cm (0 25 50 75 100)	SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
459.00										
458.00							CORE 3			HIGHLY FRACTURED PHYLLITE INTERLAYERED WITH SOFT WEATHERED ROCK REC=46% RQD=11%
456.00							CORE 4			FRESH, SOUND METASILTSTONE REC=95% RQD=59%
454.00							CORE 5			SLIGHTLY WEATHERED, FRACTURED METASILTSTONE REC=98% RQD=0%
							CORE 6			FRESH, SLIGHTLY FRACTURED TO SOUND METASILTSTONE REC=98% RQD=69%
452.00 / 451.85						BORING TERMINATED AT ELEVATION 451.849 METERS IN ROCK				