

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST P Q LOCKAMY							
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE							GND WATER						
BORING NO EBL B5-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-REV		BORING LOCATION 68+91.000		OFFSET 17.00m RT		24 HR N/A							
COLLAR ELEV 471.91m		TOTAL DEPTH 21.76m		START DATE 2/02/98		COMPLETION DATE 02/12/98							
DRILL MACHINE CME-45			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH 2.23m			DEPTH TO ROCK 8.22m			Log EBL B5-B, 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
474.14												Surface Water	
473.00												Ground Surface	
471.00	0.69	8	8	6	0.3					14	SS591	W	ALLUVIUM: BROWN LOOSE GRAVEL AND COBBLES
										15		W	SAPROLITE: GRAY, STIFF TO VERY HARD, FINE SANDY SILT
469.00	2.21	9	9	10	0.3					16		W	
											SS592	W	
467.00	3.74	6	8	8	0.3							W	
											SS593	M	
465.00	5.25	8	17	32	0.3					49		M	
											SS594	M	
463.00	6.77	12	27	52	0.3					79		M	
461.00	8.02	40	60	0	0.2					100			
											COR 1		GRAY SILTY SOFT WEATHERED ROCK
459.00											COR 2		SLIGHTLY TO MODERATELY WEATHERED, HIGHLY FRACTURED PHYLLITE REC 67% RQD 16%
457.00											COR 3		FRESH JOINTED, SLIGHTLY FRACTURED PHYLLITE REC 91% RQD 58%
456.00											COR 4		
											COR 5		

Continued on the next page.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST P Q LOCKAMY							
SITE DESCRIPTION BRIDGE ON US 64 OVER HIWASSEE RIVER AT PEACHTREE							GND WATER						
BORING NO EBL B5-B		NORTHING 0.00		EASTING 0.00		0 HR N/A							
ALIGNMENT -L-REV		BORING LOCATION 68+91.000		OFFSET 17.00m RT		24 HR N/A							
COLLAR ELEV 471.91m		TOTAL DEPTH 21.76m		START DATE 2/02/98		COMPLETION DATE 02/12/98							
DRILL MACHINE CME-45			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH 2.23m			DEPTH TO ROCK 8.22m			Log EBL B5-B, 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
456.00													
455.00													
											COR 6		FRESH JOINTED, SLIGHTLY FRACTURED PHYLLITE REC 91% RQD 58%
453.00											COR 7		
											COR 8		FRESH, SOUND PHYLLITE REC 89% RQD 69%
451.00													
450.15													
													TERMINATED BORING AT ELEVATION 450.15 METERS IN ROCK