

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203		ID R-977A		COUNTY CHEROKEE		GEOLOGIST T. P. SHELTON						
SITE DESCRIPTION PROPOSED BRIDGE ON US 64 OVER SR 1558							GND WATER					
BORING NO EBL B4-B		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT L-REV		BORING LOCATION 41+66.470		OFFSET 17.00m RT		24 HR N/A						
COLLAR ELEV 492.63m		TOTAL DEPTH 16.16m		START DATE 1/29/98		COMPLETION DATE 01/29/98						
DRILL MACHINE CME 550			DRILL METHOD SPT CAS ADV NXWL			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 8.06m			Log EBL B4-B, Page 1 of 1						
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
492.63												
492.00	1.07	10	21	32	0.3							SAPROLITE: RED AND TAN, DENSE TO VERY DENSE SILTY. SAND WITH WEATHERED ROCK SEAMS
490.00	2.59	27	27	16	0.3					SS-352		
488.00	4.12	5	15	34	0.3							
486.00	5.63	100	0	0	0.1							SOFT WEATHERED ROCK
484.00	7.15	100	0	0	0.1							FRESH, SOUND PHYLLITE REC 94% RQD 89%
482.00										CORE 1		
										CORE 2		
										CORE 3		
										CORE 4		
										CORE 5		
476.47												
												BORING TERMINATED AT ELEVATION 476.467 METERS IN ROCK