NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 8.1910203	**ID** R-977A	**COUNTY** CHEROKEE	**GEOLOGIST** L.A. MANN
SITE DESCRIPTION PROPOSED BRIDGE ON US 64 OVER SR 1558			**GND WATER**
BORING NO EBL B1-B	**NORTHING** 0.00	**EASTING** 0.00	**0 HR** N/A
ALIGNMENT L-REV	**BORING LOCATION** 40+93.300	**OFFSET** 17.67m RT	**24 HR** N/A
COLLAR ELEV 494.38m	**TOTAL DEPTH** 14.57m	**START DATE** 8/19/97	**COMPLETION DATE** 08/19/97
DRILL MACHINE CME 550	**DRILL METHOD** SPT CAS ADV NXWL		**HAMMER TYPE** AUTOMATIC
SURFACE WATER DEPTH	**DEPTH TO ROCK** 8.04m		**Log EBL B1-B, Page 1 of 1**

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
494.38						Ground Surface				
494.00										SOFT WEATHERED ROCK: BROWN, RED AND GREEN - CLAYEY AND FINE SANDY SILT
	1.35	73	100	0	0.1	100				
492.00										
	2.87	51	82	18	0.2	100				
490.00										
	4.40	64	100	0	0.1	100	SS-303			
488.00	5.92	100	0	0	0.1	100				SOFT WEATHERED ROCK: GREEN SANDY SILT WITH SAPROLITE SEAMS AT 5.77-5.84, 6.53-6.69 AND 7.34-7.42 METERS
	7.45	100	0	0	0.0	100				
486.00							CORE 1			FRESH, SOUND METASILTSTONE, REC 100% RQD 94%
484.00							CORE 2			
							CORE 3			FRESH, FRACTURED METASILTSTONE REC 94% RQD 35%
482.00							CORE 4			FRESH, SOUND METASILTSTONE REC 98% RQD 91%
480.00										VERY HARD, FRESH, SOUND METAQUARTZITE REC 98% RQD 86%
479.81						BORING TERMINATED AT ELEVATION 479.808 METERS IN ROCK				