

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG**

PROJECT NO 34357.1.1		ID R-0977A		COUNTY CHEROKEE		GEOLOGIST TB DANIEL								
SITE DESCRIPTION US 64 EBL OVER -Y2- HARSHAW ROAD							GND WATER							
BORING NO EB1-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -LC1B2-		BORING LOCATION 18+02.140		OFFSET 9.15m RT		24 HR 0.89m								
COLLAR ELEV 466.51m		TOTAL DEPTH 12.26m		START DATE 12/10/03		COMPLETION DATE 12/11/03								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-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	100				
466.51														Ground Surface
466.00	1.45	4	3	5	0.30									FILL: SOFT SANDY SILT
464.00	2.97	49	51	0.20										ALLUVIUM: SANDY SILT WITH BASAL SAND AND GRAVEL
462.00	4.49	50		0.02										SAPROLITE: SANDY SILT
460.00														WEATHERED ROCK
458.00														CRYSTALLINE ROCK CORED FROM 5.64 - 12.26 METERS. TOTAL RUN = 6.62 TOTAL REC = 99% TOTAL RQD = 66%
456.00														
454.25														CORING TERMINATED IN HARD FRESH PHYLLITE AT A DEPTH OF 12.26 METERS.

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DATE 12/10/03

**CORE BORING REPORT**

PROJECT:	8.1910203	I. D. NO:	R-0977A	BORING NO:	EB1-B	GEOLOGIST:	TB DANIEL
DESCRIPTION:	BRIDGE ON -LC1B2- (US 64) OVER -Y2- (HARSHAW RD.) 18+02.14 9.15 RT. -LCIB2-						
COUNTY:	CHEROKEE	COLLAR ELEVATION:	466.51 m	TOTAL DEPTH:	12.26 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
460.87	5.64		0.84	0.80	0.50		PHYLLITE
460.03	6.48			95	60		FOR THE MOST PART, MEDIUM HARD TO HARD. SLIGHTLY WEATHERED TO FRESH. FOLIATION DIPS FROM 40 TO 65 DEGREES.
460.03	6.48						
458.60	7.91		1.43	1.43	0.70		SMALL ZONES OF MODERATELY WEATHERED, MEDIUM HARD ROCK.
458.60	7.91			100	49		MOST BREAKS CLEAN. FEW BREAKS WITH SLIGHT RUST.
457.14	9.37						
457.14	9.37						
455.69	10.82		1.45	1.45	1.21		
455.69	10.82			100	83		
454.25	12.26						
454.25	12.26			1.44	1.35		
				100	94		
CORING TERMINATED AT ELEVATION 454.25 m							
DRILLER: JT WILLIAMS		CORE SIZE: NWD-4		EQUIPMENT: CME-550			