

**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 EB2-B		NORTHING 0.00		EASTING 0.00		0 HR N/A								
ALIGNMENT -LC1B2-		BORING LOCATION 18+47.540		OFFSET 9.15m RT		24 HR 0.64m								
COLLAR ELEV 467.56m		TOTAL DEPTH 8.70m		START DATE 12/11/03		COMPLETION DATE 12/11/03								
DRILL MACHINE CME-550			DRILL METHOD CORE BORING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK N/A			Log EB2-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				
467.56														Ground Surface
467.00	1.49	25	33	67	0.27						100	SS-5		ALLUVIUM: SANDY SILT WITH BASAL SAND AND GRAVEL.
465.00	3.01	50			0.04						50			WEATHERED ROCK
463.00														TOTAL CORE RUN = 5.49 TOTAL REC.= 76% TOTAL RQD= 24% PHYLITE
461.00														
458.86														CORING TERMINATED IN FRESH HARD PHYLITE AT A DEPTH OF 8.7 METERS.

SHEET 11 OF 17  
DATE 12/11/03

**CORE BORING REPORT**

PROJECT:	8.1910203	I. D. NO:	R-0977A	BORING NO:	EB2-B	GEOLOGIST:	TB DANIEL
DESCRIPTION:	BRIDGE ON -LC1B2- (US 64) OVER -Y2- (HARSHAW RD.) 18+47.54 9.15 RT.. -LC1B2-						
COUNTY:	CHEROKEE	COLLAR ELEVATION:	467.56 m	TOTAL DEPTH:	8.70 m		
ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
464.35	3.21		0.93	0.90	0.32		ROCK GRADES FROM PHYLITE TO METASANDSTONE
463.42	4.14			97	34		3.21 - 5.64 MODERATELY WEATHERED. SOFT TO MEDIUM HARD. NUMEROUS BREAKS ALONG FOLIATION AT 50 TO 65 DEGREES. ALL BREAKS STAINED WITH OXIDES OF Fe AND Mn.
463.42	4.14			1.50	0.00		
461.92	5.64			100	0		
461.92	5.64			1.54	1.00		PHYLITE
460.38	7.18			91	65		5.64 - 8.70 SLIGHTLY WEATHERED TO FRESH. HARD. NUMEROUS BREAKS ALONG FOLIATION AT 50 TO 65 DEGREES. BREAKS LIGHTLY SATINED WITH Fe AND OR SOIL.
460.38	7.18			0.35	0.00		
458.86	8.70			23	0		
CORING TERMINATED AT ELEVATION 458.86 m							
DRILLER: JT WILLIAMS		CORE SIZE: NWD-4		EQUIPMENT: CME-550			
Updated 7/26/95							