NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.2572401	ID. B-3506	COUNTY RANDOLPH	GEOLOGIST STICKNEY J.K.
SITE DESCRIPTION BRIDGE NO. 226 ON SR 2832 OVER RICHLAND CREEK			GROUND WATER
BORING NO. B1-A	BORING LOCATION 17+85.00	OFFSET -12.00	ALIGNMENT L	0 HR.
COLLAR ELEVATION 496.02	NORTHING 689899.8356	EASTING 1780101.0207	24 HR.
TOTAL DEPTH 16.85	DRILL MACHINE CME-550	DRILL METHOD NX WIRELINE	HAMMER TYPE AUTOMATIC
START DATE 5/14/03	COMPLETION DATE 5/14/03	SURFACE WATER DEPTH	DEPTH TO ROCK 0.00

ELEV.	DEPTH (FT.)	BLOW COUNT 0.5	0.5	0.5	PEN. (FT.)	BLOWS PER FOOT 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
496.02	0						CORE1			(CRYSTALLINE ROCK) GRAY V. HARD FRESH METAVOLCANIC REC=92% RQD=73%
495.00	2.0						CORE2 RS-3			GRAY V. HARD V. SLI. WEATH. TO FRESH METAVOLCANIC REC=96% RQD=60%
490.00	6.9						CORE3			GRAY V. HARD FRESH METAVOLCANIC W/QTZ. VEIN 7.30-10.70 REC=93% RQD=70%
485.00	12.0						CORE4			GRAY V. HARD FRESH METAVOLCANIC REC=100% RQD=98%
480.00										
475.00										
470.00										
465.00										
460.00										
455.00										
450.00										
445.00										
440.00										
435.00										
430.00										
425.00										CORING TERMINATED AT ELEVATION 479.17 FEET IN HARD ROCK (GRAY V. HARD FRESH METAVOLCANIC)
420.00										

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO: 8.2572401 **PROJECT ID:** B-3506 **COUNTY:** RANDOLPH **GEOLOGIST:** J.K. STICKNEY
SITE DESCRIPTION: BRIDGE NO. 226 ON SR 2832 OVER RICHLAND CREEK **DRILLER:** C.L. SMITH
BORING NO: B1-A **BORING LOCATION (STA):** 17+85.00 -L- **OFFSET:** 12.00 LT.
COLLAR ELEV: 496.02 **PERSONNEL:** C.E. BURRIS **CORE SIZE:** NXWL
TOTAL DEPTH: 16.85 **DRILL MACHINE:** CME-550 **DATE STARTED:** 5/14/03
TOTAL RUN: 16.85 **DRILL EQUIP:** NXWL **DATE COMPLETED:** 5/14/03

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
496.02	0.00		1	92	73		GRAY V. HARD FRESH METAVOLCANIC WITH CLOSE FRACTURE SPACING
493.97	2.05		2	96	60	RS-3 (2.10-2.50)	GRAY V. HARD V. SLI. WEATH. TO FRESH METAVOLCANIC WITH CLOSE TO MOD. CLOSE FRACTURE SPACING
489.12	6.90		3	93	70		GRAY V. HARD FRESH METAVOLCANIC WITH LARGE QUARTZ VEIN FROM 7.30-10.70. QUARTZ VEIN IS MOSTLY SOLID W/ CLOSE FRACTURE SPACING. PARENT ROCK IS SOLID WITH NO FRACTURES.
483.97 479.17	12.05 16.85		4	100	98		GRAY V. HARD FRESH METAVOLCANIC (2 SOLID PIECES OF CORE)

NOTES