

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET 1 OF 1

SHEET 12 OF 19

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

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. B2-A	BORING LOCATION 18+42.00	OFFSET -6.70	ALIGNMENT L
COLLAR ELEVATION 512.99	NORTHING 689940.3508	EASTING 1780142.4390	0 HR. CAVED 11.10 24 HR.
TOTAL DEPTH 34.20	DRILL MACHINE CME-550	DRILL METHOD NW CAS/NXWL	HAMMER TYPE AUTOMATIC
START DATE 5/13/03	COMPLETION DATE 5/13/03	SURFACE WATER DEPTH	DEPTH TO ROCK 16.00

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: B2-A BORING LOCATION (STA): 18+42.00 -L- OFFSET: 6.70 LT.
 COLLAR ELEV: 512.99 PERSONNEL: C.E. BURRIS CORE SIZE: NXWL
 TOTAL DEPTH: 34.20 DRILL MACHINE: CME-550 DATE STARTED: 5/13/03
 TOTAL RUN: 18.20 DRILL EQUIP: NXWL DATE COMPLETED: 5/13/03

ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		0.5'	0.5'	0.5'		0	25	50	75				
512.99													ROADWAY FILL - LOOSE TO MEDIUM DENSE RED-ORANGE SILTY CLAYEY CSE. SAND WITH GRAVEL SIZED ROCK
510.00	4.8	1	4	2	1							X6	M
505.00	9.8	51	30	15	1							X45	SS-2 M
500.00	14.8	2	7	93	1							100*	CORE1
495.00	19.6												CORE2 RS-1
490.00	24.6												CORE3
485.00	29.2												CORE4
480.00													
475.00													
470.00													
465.00													
460.00													
455.00													
450.00													
445.00													
440.00													
435.00													

CORING TERMINATED AT
 ELEVATION 478.79 FEET
 IN HARD ROCK (GRAY V.
 HARD TO SOFT FRESH TO
 SEV. WEATH. FELSIC
 METAVOLCANIC)

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
496.99	16.00		1	100	42		GRAY MOD. HARD TO V. HARD MOD. WEATH. TO FRESH FELSIC METAVOLCANIC W/ V. CLOSE TO MOD. CLOSE FRACTURE SPACING
493.39	19.60		2	81	60	RS-1 (24.1-24.4)	GRAY HARD TO V. HARD SLI. WEATH. TO FRESH FELSIC METAVOLCANIC W/ CLOSE TO MOD. CLOSE FRACTURE SPACING. RUN CONTAINS A MED. HARD MOD. SEV. WEATH. SEAM FROM 22.80-23.20
488.39	24.60		3	96	50		GRAY V. HARD V. SLI. WEATH. TO FRESH FELSIC METAVOLCANIC W/ V. CLOSE TO CLOSE FRACTURE SPACING
483.79	29.20		4	94	33		GRAY V. HARD V. SLI. WEATH. TO FRESH FELSIC METAVOLCANIC W/ CLOSE FRACTURE SPACING TO 31.40. FROM 31.40 TO 32.90 ROCK IS SOFT TO MOD. HARD SEV. TO MOD. WEATH. W/ V. CLOSE FRACTURE SPACING. FROM 33.80-34.20 ONE SOLID PIECE OF FRESH HARD FELSIC METAVOLCANIC. LAST 0.40 OF RUN IS SOFT SEV. WEATH. & V. CLOSELY FRACTURED ROCK.
478.79	34.20						

NOTES