

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO 34517.1.1		ID R-2911D		COUNTY ROWAN		GEOLOGIST J.K. STICKNEY								
SITE DESCRIPTION BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728						GND WATER								
BORING NO B2-B LT LN		NORTHING 0.00		EASTING 0.00		0 HR 8.50ft								
ALIGNMENT L		BORING LOCATION 304+82.000		OFFSET 15.00ft LT		24 HR 8.30ft								
COLLAR ELEV 655.56ft		TOTAL DEPTH 49.70ft		START DATE 3/29/04		COMPLETION DATE 03/29/04								
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC								
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 32.20ft			Log B2-B LT LN, Page 1 of 1								
ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT					SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		6in	6in	6in		0	25	50	75	100				
655.56														Ground Surface
650.00	4.90	0	0	2	1.0	2						SS-1	M/W	ALLUVIUM - VERY SOFT RED-BROWN CLAYEY SANDY SILT
	9.90	1	2	3	1.0	5						SS-2	"	VERY LOOSE TO LOOSE GRAY SAND
640.00	14.90	0	1	1	1.0	2							M/W	
	19.90	1	2	3	1.0	5								
630.00	24.90	12	21	25	1.0			46				SS-3	DRY	RESIDUAL - DENSE TO VERY DENSE GRAY-WHITE SAND
	29.90	9	10	25	1.0			35						
620.00												RUN #1		WEATHERED ROCK
												RUN #2		HARD ROCK - GRAY-WHITE METAGABBRO, REC=87% RQD=19%
												RUN #3		AS ABOVE - REC=80% RQD=16%
												RS-3		GRAY METAGABBRO, REC=89% RQD=76%
610.00												RUN #4		AS ABOVE - REC=95% RQD=90%
605.86														CORING TERMINATED AT ELEVATION 605.86 FEET IN HARD ROCK (METAGABBRO)

PROJECT NO: 34517.1.1 PROJECT ID: R-2911D COUNTY: ROWAN GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE ON US 70 OVER SECOND CREEK BETWEEN SR 1951 & SR 1728 DRILLER: C.L. SMITH
 BORING NO: B2-B LT LN BORING LOCATION (STA): 304+82 -L- OFFSET: 15.0 LT.
 COLLAR ELEV: 655.56 PERSONNEL: D.K. BRATTON CORE SIZE: NXWL
 TOTAL DEPTH: 49.7 DRILL MACHINE: CME-550X DATE STARTED: 3/29/04
 TOTAL RUN: 17.5 DRILL EQUIP: NWCAS/NXWL DATE COMPLETED: 3/29/04

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
623.36	32.2		1	87	19		GRAY-WHITE V. SLI. WEATH. TO FRESH HARD TO V. HARD METAGABBRO W/ CLOSE FRACTURE SPACING.
620.76	34.8	0.62	2	80	16		GRAY-WHITE V. SLI. WEATH. TO FRESH HARD TO V. HARD METAGABBRO W/ CLOSE FRACTURE SPACING.
615.76	39.8	0.71	3	89	76	RS-3 (40.1-40.5)	GRAY V. SLI. WEATH. TO FRESH HARD TO V. HARD METAGABBRO W/ CLOSE TO MOD. CLOSE FRACTURE SPACING.
610.76	44.8	1.67	4	95	90		GRAY FRESH V. HARD METAGABBRO W/ MOD. CLOSE FRACTURE SPACING.
605.86	49.7						
NOTES							