

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO: 8.1830501 PROJECT ID: R-2206C COUNTY: LINCOLN GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: BRIDGE ON NC 16 OVER KILLIAN CREEK DRILLER: C.L. SMITH
 BORING NO: B2-A SBL BORING LOCATION (STA): 199+63 OFFSET: 18.3 LT
 COLLAR ELEV: 233.436 PERSONNEL: CEB, AJT CORE SIZE: NXWL
 TOTAL DEPTH: 11.31 DRILL MACHINE: CME-550 DATE STARTED: 7-7-03
 TOTAL RUN: 2.61 DRILL EQUIP: NW CASING / NXWL DATE COMPLETED: 7-7-03

PROJECT NO 8.1830501		ID R-2206C		COUNTY LINCOLN		GEOLOGIST J.K. STICKNEY						
SITE DESCRIPTION BRIDGE ON NC 16 OVER KILLIAN CREEK							GND WATER					
BORING NO B2-A SBL		NORTHING 0.00		EASTING 0.00		0 HR N/A						
ALIGNMENT L		BORING LOCATION 199+63.000		OFFSET 18.30m LT		24 HR 1.60m						
COLLAR ELEV 233.44m		TOTAL DEPTH 11.31m		START DATE 7/07/03		COMPLETION DATE 07/08/03						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 8.70m			Log B2-A SBL, 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			
233.44												
233.00												Ground Surface
231.00	1.72	1	2	2	0.30	4						ALLUVIUM - LOOSE TAN-BROWN MICACEOUS SILTY SAND WITH GRAVEL
229.00	3.24	5	13	16	0.30	20						RESIDUAL - STIFF TO HARD GRAY-WHITE MICACEOUS SANDY SILT
227.00	4.77	23	23	42	0.30	65						VERY SOFT GRAY SANDY CLAYEY SILT
225.00	6.29	10	1		0.30	11						HARD GRAY-BROWN MICACEOUS SANDY SILT
223.00	7.82	12	42	58	0.21	100						WEATHERED ROCK
222.13												HARD ROCK - WHITE-BROWN MODERATELY HARD, MOD. TO SLIGHTLY WEATHERED GRANITE, REC=85% RQD=60%
												GRAY VERY HARD, FRESH GRANITE, REC=88% RQD=84%
												AS ABOVE, REC=96% RQD=96%
CORING TERMINATED AT ELEVATION 224.736 METERS IN HARD ROCK												

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
224.736	8.7		1	85	60		WHITE-BROWN MODERATELY HARD, MODERATELY TO SLIGHTLY WEATHERED, GRANITE WITH CLOSE FRACTURE SPACING
224.316	9.12		2	88	84		GRAY VERY HARD, FRESH GRANITE (2 SOLID PIECES)
222.796	10.64		3	96	96	RS-3	AS ABOVE - 1 SOLID PIECE
222.126	11.31						
NOTES							