

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 NBL BORING LOCATION (STA): 199+63 OFFSET: 9 RT
 COLLAR ELEV: 233.721 PERSONNEL: CEB, AJT CORE SIZE: NXWL
 TOTAL DEPTH: 12.79 DRILL MACHINE: CME-550 DATE STARTED: 7-30-03
 TOTAL RUN: 5.56 DRILL EQUIP: NW CASING / NXWL DATE COMPLETED: 7-30-03

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 NBL		NORTHING 0.00		EASTING 0.00		0 HR 0.00m						
ALIGNMENT L		BORING LOCATION 199+63.000		OFFSET 9.00m RT		24 HR 1.70m						
COLLAR ELEV 233.72m		TOTAL DEPTH 12.79m		START DATE 6/30/03		COMPLETION DATE 07/01/03						
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC						
SURFACE WATER DEPTH			DEPTH TO ROCK 7.23m			Log B2-A NBL, 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			
233.72												Ground Surface
233.00	1.84	0	0	0	0.30						SS-8	MOIST ALLUVIUM - VERY LOOSE GRAY-BROWN SILTY SAND WITH GRAVEL
231.00	3.36	4	5	18	0.30						SS-9	M/W RESIDUAL - STIFF TO HARD GRAY MICACEOUS SANDY SILT
229.00	4.89	20	41	59	0.20							DRY WEATHERED ROCK
227.00	6.41	50	50		0.24							DRY WEATHERED ROCK
225.00											RUN #1	HARD ROCK - BROWN AND GRAY HARD, MOD. TO SLIGHTLY WEATHERED, FOLIATED GRANITE, REC=100% RQD=43%
											RUN #2	BROWN AND GRAY HARD TO V. HARD, MOD. WEATHERED TO FRESH FOLIATED GRANITE, REC=74% RQD=20%
											RUN #3	DARK BROWN, MEDIUM HARD, SEVERELY WEATHERED, FOLIATED GRANITE, REC=57% RQD=37%
											RUN #4	GRAY VERY HARD, FRESH, FOLIATED GRANITE, REC=96% RQD=25%
220.98												CORING TERMINATED AT ELEVATION 220.98 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
	7.23		1				BROWN AND GRAY, HARD, MODERATELY TO SLIGHTLY WEATHERED, FOLIATED GRANITE WITH CLOSE FRACTURE SPACING
	7.90		2			RS-1	BROWN AND GRAY, HARD TO VERY HARD, MODERATELY WEATHERED TO FRESH, FOLIATED GRANITE TO 8.65 THEN, DARK BROWN SEVERELY WEATHERED, MEDIUM HARD, AND VERY CLOSELY FRACTURED TO END OF RUN
	9.42		3				DARK BROWN, MEDIUM HARD, SEVERELY WEATHERED, FOLIATED GRANITE WITH VERY CLOSE FRACTURES TO 9.60 THEN, GRAY VERY HARD, FRESH, FOLIATED GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
	10.94		4				GRAY VERY HARD, FRESH, FOLIATED GRANITE WITH VERY CLOSE TO CLOSE FRACTURE SPACING
	12.79						
NOTES							