

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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

PROJECT NO 8.1830503	ID R-2206C	COUNTY LINCOLN	GEOLOGIST C.E. BURRIS
SITE DESCRIPTION BRIDGE OVER KILLIAN CRK. ON NC 16 BETWEEN MUNDY RD. & NC 150			GND WATER
BORING NO B1-A NBL	NORTHING 0.00	EASTING 0.00	0 HR 1.83m
ALIGNMENT L	BORING LOCATION 222+94.700	OFFSET 10.80m RT	24 HR 1.98m
COLLAR ELEV 253.04m	TOTAL DEPTH 7.56m	START DATE 12/01/03	COMPLETION DATE 12/01/03
DRILL MACHINE CME-550	DRILL METHOD SPT CORE BORING	HAMMER TYPE AUTOMATIC	
SURFACE WATER DEPTH		DEPTH TO ROCK 2.26m	

PROJECT NO: 8.1830503      PROJECT ID: R-2206C      COUNTY: LINCOLN      GEOLOGIST: C.E. BURRIS  
 SITE DESCRIPTION: DUAL BRIDGES ON NC 16 OVER KILLIAN CREEK      DRILLER: C.L. SMITH  
 BORING NO: B1-A NBL      BORING LOCATION (STA): 222+94.7      OFFSET: 10.8 RT  
 COLLAR ELEV: 253.041      PERSONNEL: J.K. STICKNEY      CORE SIZE: NXWL  
 TOTAL DEPTH: 7.56      DRILL MACHINE: CME-550      DATE STARTED: 12-1-03  
 TOTAL RUN: 5.30      DRILL EQUIP: NXWL, TRI-CONE      DATE COMPLETED: 12-1-03

ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75			
253.04												Ground Surface
252.00	1.65	2	15	85	0.23							ALLUVIUM - VERY LOOSE TO LOOSE BROWN-BLACK-GRAY SILTY SAND
250.00												RESIDUAL - VERY DENSE GRAY-TAN-WHITE MICACEOUS SILTY SAND
248.00												WEATHERED ROCK
												HARD ROCK - GRAY FRESH, VERY HARD GRANITE, REC=98% RQD=86%
												AS ABOVE, REC=95% RQD=93%
												AS ABOVE, REC=98% RQD=92%
												AS ABOVE, REC=95% RQD=77%
245.48												BORING TERMINATED AT ELEVATION 245.481 METERS IN VERY HARD GRANITE

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN./3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
250.171	2.26		1	98	86		GRAY FRESH, VERY HARD, GRANITE WITH CLOSE FRACTURE SPACING
249.941	3.10		2	95	93	RS-2	AS ABOVE
248.441	4.60		3	98	92		AS ABOVE
246.971	6.07		4	95	77		AS ABOVE
245.481	7.56						
NOTES							