

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

SHEET 12 OF 26

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 SBL		NORTHING 0.00		EASTING 0.00		0 HR 2.10m							
ALIGNMENT L		BORING LOCATION 222+94.700		OFFSET 18.60m LT		24 HR 1.65m							
COLLAR ELEV 252.78m		TOTAL DEPTH 8.67m		START DATE 11/26/03		COMPLETION DATE 11/26/03							
DRILL MACHINE CME-550			DRILL METHOD SPT CORE BORING			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH			DEPTH TO ROCK 4.44m			Log B1-A SBL, Page 1 of 1							
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
252.78													Ground Surface
252.00	1.25	7	6	5	0.30								ALLUVIUM - VERY SOFT TO SOFT BROWN-GRAY SILTY SANDY CLAY WITH GRAVEL
250.00	2.77	11	85	15	0.30				100				RESIDUAL - MEDIUM DENSE TO VERY DENSE GRAY-TAN-WHITE MICACEOUS SILTY SAND
													WEATHERED ROCK
248.00	4.30	100			0.08				100				HARD ROCK - GRAY FRESH, VERY HARD GRANITE AND META-VOLCANIC ROCK, REC=90% RQD=80%
													AS ABOVE, REC=100% RQD=72%
246.00													AS ABOVE, REC=99% RQD=84%
244.11													CORING TERMINATED AT ELEVATION 244.11 METERS IN VERY HARD GRANITE

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 SBL BORING LOCATION (STA): 222+94.7 OFFSET: 18.6 LT
 COLLAR ELEV: 252.781 PERSONNEL: J.K. STICKNEY CORE SIZE: NXWL
 TOTAL DEPTH: 8.67 DRILL MACHINE: CME-550 DATE STARTED: 11-26-03
 TOTAL RUN: 4.23 DRILL EQUIP: NXWL, TRI-CONE DATE COMPLETED: 11-26-03

ELEV. (M)	DEPTH (M)	DRILL RATE (MIN/3 m)	RUN NO.	REC % (M)	RQD % (M)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
248.341	4.44		1	90	80		GRAY FRESH, VERY HARD, GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING
247.001	5.78		2	100	72		AS ABOVE TO 6.48 THEN GRAY FRESH, VERY HARD, META-VOLCANIC WITH CLOSE FRACTURE SPACING
245.571	7.21		3	99	84		GRAY FRESH, VERY HARD, META-VOLCANIC ROCK WITH CLOSE FRACTURE SPACING TO 7.74 THEN, FRESH, VERY HARD GRANITE WITH CLOSE TO MODERATELY CLOSE FRACTURE SPACING TO END OF RUN
244.111	8.67						
NOTES							