

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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 GEOTECHNICAL UNIT BORING LOG SHEET 10 OF 13

PROJECT NO. 34850.I.I	ID. U-2717	COUNTY GUILFORD	GEOLOGIST J.L. LOVE
SITE DESCRIPTION BRIDGE NO. 218 ON -L- (SR III3) OVER I-85 BUSINESS			GROUND WATER
BORING NO. BI-A	BORING LOCATION 40+60.8	OFFSET 12.3 m LT	ALIGNMENT -L-
COLLAR ELEV. 250.14 m	NORTHING 245486.6	EASTING 524980.0	24 HR. 1.20 m
TOTAL DEPTH 14.34 m	DRILL MACHINE CME-550	DRILL METHOD H.S. AUGERS	HAMMER TYPE AUTOMATIC
START DATE 1/12/04	COMPLETION DATE 1/12/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 11.15 m

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
250.14													
250.00	0.66	2	2	3	0.30	X 5							RESIDUAL, TAN-GRAY, SILTY CLAY
248.00	2.18	1	3	2	0.30	X 5							SS-15 M
246.00	3.70	2	2	3	0.30	X 5							M
244.00	5.22	2	3	4	0.30	X 7							TAN-BROWN, SAPROLITIC, CLAYEY SILT
242.00	6.74	1	4	6	0.30	X 10							M
240.00	8.26	5	10	16	0.30	X 26							M
238.00	9.78	30	70		0.24								WEATHERED ROCK (META-DIORITE)
236.00	11.30	50			0.02								CRYSTALLINE ROCK (META-DIORITE)
234.00	12.82	100			0.04								WEATHERED ROCK (META-DIORITE)
232.00	14.34	50			0.00								CRYSTALLINE ROCK (META-DIORITE)
SPT REFUSAL AT ELEVATION 235.80 METERS IN CRYSTALLINE ROCK (META-DIORITE)													

PROJECT NO. 34850.I.I	ID. U-2717	COUNTY GUILFORD	GEOLOGIST J.L. LOVE
SITE DESCRIPTION BRIDGE NO. 218 ON -L- (SR III3) OVER I-85 BUSINESS			GROUND WATER
BORING NO. BI-B	BORING LOCATION 40+49.9	OFFSET 14.2 m RT	ALIGNMENT -L-
COLLAR ELEV. 250.44 m	NORTHING 245472.7	EASTING 524954.9	24 HR. 1.20 m
TOTAL DEPTH 11.42 m	DRILL MACHINE CME-550	DRILL METHOD H.S. AUGERS	HAMMER TYPE AUTOMATIC
START DATE 1/14/04	COMPLETION DATE 1/14/04	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 11.32 m

ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
		15cm	15cm	15cm		0	25	50	75				
250.44													
250.00	0.67	1	1	1	0.30	X 2							RESIDUAL, TAN-BROWN, SAPROLITIC, CLAYEY SILT
248.00	2.19	2	1	1	0.30	X 2							SS-17 M
246.00	3.71	2	2	6	0.30	X 8							M
244.00	5.23	4	5	8	0.30	X 13							M
242.00	6.75	7	10	16	0.30	X 26							SS-18 D
240.00	8.27	22	35	44	0.30	X 79							D
238.00	9.79	100			0.10								WEATHERED ROCK (META-DIORITE)
236.00	11.31	50			0.01								CRYSTALLINE ROCK (META-DIORITE)
AUGER REFUSAL AT ELEVATION 239.02 METERS IN CRYSTALLINE ROCK (META-DIORITE)													