NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 34850.1.1	**ID.** U-2717	**COUNTY** GUILFORD	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION BRIDGE NO. 218 ON -L- (SR 1113) OVER I-85 BUSINESS			**GROUND WATER**
BORING NO. EB2-A	**BORING LOCATION** 41+05.8	**OFFSET** 15.7 m LT	**ALIGNMENT** -L-	**0 HR.** 6.60 m
COLLAR ELEV. 255.35 m	**NORTHING** 245461.1	**EASTING** 525017.2		**24 HR.** 5.90 m
TOTAL DEPTH 18.97 m	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** AUTOMATIC	
START DATE 1/7/04	**COMPLETION DATE** 1/8/04	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** 15.95m	

ELEV.	DEPTH	BLOW COUNT 15cm	15cm	15cm	PEN. (m)	BLOWS PER 30cm 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
255.35										
	0.73	4	6	8	0.30	X 14	SS-8	M		RESIDUAL, RED-ORANGE, HIGHLY PLASTIC, SILTY CLAY
254.00	2.25	3	4	6	0.30	X 10	ST-2	M		
252.00	3.77	3	4	4	0.30	X 8	SS-9	47%		RED-ORANGE, MICACEOUS, CLAYEY SILT
250.00	5.29	1	3	3	0.30	X 6		M ▼		
	6.81	3	3	5	0.30	X 8		M		
248.00	8.33	1	3	3	0.30	X 6	SS-10	M		
	9.85	6	8	9	0.30	X 17		D		WHITE, TAN, AND BROWN, SAPROLITIC, MICACEOUS, SILTY SAND
246.00	11.37	5	7	11	0.30	X 18		D		
	12.89	7	10	16	0.30	X 26		D		
244.00	14.41	8	10	21	0.30	X 31		D		
242.00	15.93	50			0.02	50/0.02 X				WEATHERED ROCK (META-DIORITE)
240.00	17.45	50			0.00	50/0.00 X				CRYSTALLINE ROCK (META-DIORITE)
238.00	18.97	50			0.00	50/0.00 X				
236.00						SPT REFUSAL AT ELEVATION 236.38 METERS IN CRYSTALLINE ROCK (META-DIORITE)				

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 34850.1.1	**ID.** U-2717	**COUNTY** GUILFORD	**GEOLOGIST** C.D. CZAJKA
SITE DESCRIPTION BRIDGE NO. 218 ON -L- (SR 1113) OVER I-85 BUSINESS			**GROUND WATER**
BORING NO. EB2-B	**BORING LOCATION** 40+90.3	**OFFSET** 17.8 m RT	**ALIGNMENT** -L-	**0 HR.** 6.50 m
COLLAR ELEV. 254.90 m	**NORTHING** 245444.7	**EASTING** 524984.2		**24 HR.** CAVED @ 5.30 m
TOTAL DEPTH 14.80 m	**DRILL MACHINE** CME-550	**DRILL METHOD** H.S. AUGERS	**HAMMER TYPE** AUTOMATIC	
START DATE 1/8/04	**COMPLETION DATE** 1/8/04	**SURFACE WATER DEPTH** N/A	**DEPTH TO ROCK** N/A	

ELEV.	DEPTH	BLOW COUNT 15cm	15cm	15cm	PEN. (m)	BLOWS PER 30cm 0 25 50 75 100	SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION
254.90										
	0.78	4	5	7	0.30	X 12		M		RESIDUAL, RED-ORANGE, HIGHLY PLASTIC, SILTY CLAY
254.00	2.3	3	3	3	0.30	X 6	SS-11	D		
252.00	3.82	3	2	3	0.30	X 5		D		
250.00	5.34	2	2	2	0.30	X 4		D		ORANGE-BROWN AND WHITE, MICACEOUS, CLAYEY SILT
	6.86	2	3	5	0.30	X 8		D		
248.00	8.38	8	6	9	0.30	X 15		D		
246.00	9.9	13	23	24	0.30	X 47	SS-12	D		
244.00	11.42	12	10	15	0.30	X 25	SS-13	D		TAN, BROWN, AND WHITE, SAPROLITIC, MICACEOUS, SILTY SAND
242.00	12.94	10	21	33	0.30	X 54		D		
240.00	14.46	24	74	26	0.19	100+ X				WEATHERED ROCK (META-DIORITE)
238.00						BORING TERMINATED AT ELEVATION 240.10 METERS IN WEATHERED ROCK (META-DIORITE)				
236.00										