

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL UNIT BORING LOG

PROJECT NO 34517.1.1		ID R-2911A		COUNTY IREDELL		GEOLOGIST J.K. STICKNEY									
SITE DESCRIPTION DUAL STRUCTURES OVER SR 2527 ON US 70 AT STA. 41+59.472 -L-							GND WATER								
BORING NO EB1-B(LT.LN.)		NORTHING 0.00		EASTING 0.00		0 HR 6.40m									
ALIGNMENT L		BORING LOCATION 41+38.000		OFFSET 4.50m LT		24 HR 5.51m									
COLLAR ELEV 254.88m		TOTAL DEPTH 20.20m		START DATE 9/17/03		COMPLETION DATE 09/17/03									
DRILL MACHINE CME-550			DRILL METHOD NW CASING			HAMMER TYPE AUTOMATIC									
SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B(LT.LN.), Page 1 of 2									
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100					
254.88															Ground Surface
254.00	1.71	1	2	3	0.30							SS-1	M		(RESIDUAL) RED-ORANGE-YELLOW TO TAN-BRN- & TAN-BLACK-WHITE SOFT TO MED. STIFF MIC. CLAYEY F. & CSE. SANDY SILT (A-5)
252.00	3.23	1	1	2	0.30										
250.00	4.75	1	1	2	0.30										
248.00	6.27	1	1	2	0.30							SS-2	M		
246.00	7.79	1	1	2	0.30							SS-3	M		
244.00	9.31	1	1	2	0.30										
244.00	10.81	1	3	5	0.30							SS-4	M		BLACK-WHITE TO TAN-WHITE MED. DENSE TO V. DENSE MIC. CLAYEY SILTY SAND (A-2-5, A-2-4)
242.00	12.06	4	5	9	0.30										
240.00	13.58	8	16	14	0.30							SS-5	M		
240.00	15.10	16	24	31	0.30										
238.00	16.71	11	19	28	0.30										
237.00															

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SURFACE WATER DEPTH			DEPTH TO ROCK N/A			Log EB1-B(LT.LN.), Page 2 of 2									
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm					SAMPLE NO	MOI	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100					
237.00	18.23	14	21	27	0.30										
236.00	19.75	27	34	36	0.30										BLACK-WHITE TO TAN-WHITE MED. DENSE TO V. DENSE MIC. CLAYEY SILTY SAND (A-2-5, A-2-4)
234.68															TERMINATED BORING AT ELEV. 234.68 IN V. DENSE SILTY SAND