

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 EB2-B(RT.LN.)		NORTHING 0.00		EASTING 0.00		0 HR 5.94m							
ALIGNMENT L		BORING LOCATION 41+79.500		OFFSET 15.40m RT		24 HR 5.90m							
COLLAR ELEV 254.07m		TOTAL DEPTH 17.49m		START DATE 9/29/03		COMPLETION DATE 09/29/03							
DRILL MACHINE CME-550			DRILL METHOD NWCAS/TRI-CONE			HAMMER TYPE AUTOMATIC							
SURFACE WATER DEPTH N/A			DEPTH TO ROCK 15.37m			Log EB2-B(RT.LN.), Page 1 of 2							
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75				100
254.07													Ground Surface
253.00	1.69	2	2	3	0.30								(ARTIFICIAL FILL) TAN-ORANGE MED. STIFF MIC. CLAYEY F. SANDY SILT (A-4)
251.00	3.21	2	3	4	0.30								(RESIDUAL) TAN-PINK-WHITE TO MED. DENSE MIC. CLAYEY SILTY SAND (A-2-4)
249.00	4.73	2	2	4	0.30								
247.00	6.25	3	4	4	0.30								
245.00	7.77	2	3	5	0.30								
243.00	9.29	4	5	6	0.30								
241.00	10.81	3	4	7	0.30								
239.00	12.33	7	10	15	0.30								
237.00	13.85	1	3	6	0.30								
	15.37	100			0.02								WEATHERED ROCK
	16.89	100			0.00								CRYSTALLINE ROCK

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SURFACE WATER DEPTH N/A			DEPTH TO ROCK 15.37m			Log EB2-B(RT.LN.), Page 2 of 2							
ELEV	DEPTH	BLOW CT			PEN (m)	BLOWS PER 30cm				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75				100
237.00													
236.58													CRYSTALLINE ROCK
													TRI-CONE BIT REFUSAL AT ELEV. 236.58 IN CRYSTALLINE ROCK