

TIERRA, INC.

2736 ROWLAND ROAD, RALEIGH, NORTH CAROLINA 27615

SOIL CLASSIFICATION AND GRADATION SHEET

BRIDGE #21 ON SR 1001 (WOOLEN STORE RD) OVER TROUBLESOME CREEK
 NCDOT Project No: 33335.1.1 - T.I.P. No: B-3899

ROCKINGHAM COUNTY

TIERRA, INC. PROJECT NO: 6211-04-070

BORING #			SAMPLE #			TOTAL SAMPLE			MINUS 2.00 mm FRACTION				Atterberg Limits		MC
AASHTO Classification			PERCENT PASSING			PERCENT RETAINED				LL		PI	%		
STATION #	OFFSET (FEET)	DEPTH (FEET)	#10	#40	#200	Coarse Sand	Fine Sand	SILT	CLAY	LL	PI	%			
EB1A SS-1			100	99	97	1	2	49	48	53	17	46.2			
A-7-5															
23+51	18 LT	0.0-1.5													
EB1A SS-2			100	69	13	63	26	5	6	26	NP	-			
A-2-4															
23+51	18 LT	4.8-6.3													
EB1A SS-3			61	36	13	55	27	9	9	35	NP	-			
A-1-b															
23+51	18 LT	9.8-11.3													
EB1B SS-4			100	71	9	57	36	2	5	25	NP	-			
A-3															
23+35	10 RT	9.8-11.3													
EB1B SS-5			90	64	26	42	35	13	10	42	NP	-			
A-2-5															
23+35	10 RT	12.8-14.3													
B1A SS-6			100	98	66	10	28	38	24	37	10	39.3			
A-4															
24+01	17 LT	0.0-1.5													
B1A SS-7			98	42	3	84	13	2	1	19	NP	-			
A-1-b															
24+01	17 LT	8.3-9.8													
B1B SS-8			100	98	26	15	66	7	12	22	NP	-			
A-2-4															
23+73	10 RT	3.2-4.7													

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AASHTO Classification			PERCENT PASSING			PERCENT RETAINED				LL		PI	%		
STATION #	OFFSET (FEET)	DEPTH (FEET)	#10	#40	#200	Coarse Sand	Fine Sand	SILT	CLAY	LL	PI	%			
B1B SS-9			99	82	33	30	45	19	6	45	1	-			
A-2-5															
23+73	10 RT	18.2-19.7													
B2A SS-10			93	62	23	47	34	14	5	35	NP	-			
A-2-4															
24+50	11 LT	18.3-19.8													
B2B SS-11			100	99	89	2	13	45	40	45	15	36.2			
A-7-5															
24+40	10 RT	0.0-1.5													
B2B SS-12			95	63	18	47	36	9	8	26	NP	-			
A-2-4															
24+40	10 RT	2.5-4.0													
EB2A SS-13			100	98	47	7	51	21	21	31	6	65.1			
A-4															
24+87	17 LT	3.5-5.0													
EB2A SS-14			96	77	9	40	54	5	1	28	NP	-			
A-3															
24+87	17 LT	8.5-10.0													
EB2B SS-15			96	80	22	35	46	11	8	22	NP	-			
A-2-4															
24+76	CL	5.2-6.7													