

PHYSICAL ANALYSIS REPORT

BROOKSIDE LABORATORIES,INC

Analysis Item			USGA Specs	Sample				
				CGR-5%	CG1-5%	CG1-10%	CG1-15%	CGR-100%*
Particle Size Analysis	Clay	<0.002mm	<=3.0%	0.87	0.50	0.64	0.85	0.29
	Silt	0.002mm-0.05mm	<=5.0%	0.25	0.36	0.54	1.21	2.80
	Sand	0.05mm-2.00mm		98.74	99.14	98.72	97.94	96.91
	Gravel	>2.00mm		0.14	0.00	0.10	0.00	0.00
Sand Fractions	Fine Gravel	2.0mm	2.0mm<=3.0%	0.14	0.00	0.10	0.00	0.00
	Very Coarse Sand	1.0mm	2.0mm+1.0mm<=10%	4.61	3.60	3.84	4.90	36.25
	Coarse Sand	0.500mm	0.5mm+0.25mm>=60%	26.95	26.70	27.06	29.72	60.51
	Medium Sand	0.250mm		47.23	48.37	48.07	46.03	0.13
	Fine Sand	0.150mm	0.15mm<=20%	16.62	17.51	16.79	15.37	0.01
	Very Fine Sand	0.106mm	0.106mm+0.053mm<=5.0%	2.54	2.28	2.40	1.52	0.01
	Very Fine Sand	0.053mm		0.79	0.68	0.55	0.40	0.01
Soil Moisture Measurements	Saturated Coductivity			56.4	55.0	54.3	60.6	233.1
	30cm Moist Retention			11.5	12.5	13.2	13.2	60.9
Soil Pore Space	Air Filled Pore Space		15-30%	28.2	28.7	28.1	27.7	34.7
	Capillary Pore Space		15-25%	16.7	17.7	18.7	18.4	37.5
	Total Pore Space		35-55%	44.9	46.4	46.8	46.1	72.1
Soil Density	Bulk Density			1.45	1.41	1.41	1.39	0.62
	Particle Density			2.63	2.64	2.66	2.58	2.21
pH				5.6	5.7	5.3	5.3	

Date of Analysis : 2005/04/15-2005/04/20

* : 2004/07/29-2004/08/05