



BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

**** PHYSICAL ANALYSIS REPORT ****

Boulder City Municipal Golf Course
1 Clubhouse Drive
Boulder City, NV 89005

File Number: 48318

Date Received/Started : 6/25/2009
Date Completed/Reported: 6/29/2009
Date Issued: 6/29/2009

Submitted By: Soil and Water Consulting

Lab Number	0565
Sample Description	GREEN COMPOSITE 2,17
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D421
ASTM F1632
ASTM F1647

*Reported values are an average of duplicated analysis

** This report may only be reproduced in its entirety.
* These results represent the sample submitted only.*



Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

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Submitted By: Soil and Water Consulting Reviewed by:

Jackie Brackman

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 Sample Description GREEN COMPOSITE
 2,17

Particle Size Analysis**USGA Specs**

Clay	<.002mm	%	1.19	<= 3.0%
Silt	.002mm - .05mm	%	4.22	<= 5.0%
Sand	.05mm - 2.00mm	%	93.22	
Gravel	> 2.0mm	%	1.37	

Org Mat 360 deg C (LOI) 2.88

Sand Fractions

Sieve Size		% Retained	
#	mm		
10 -	2.0	Fine Gravel	1.37
18 -	1.0	Very Coarse Sand	7.66
35 -	.500	Coarse Sand	32.30
60 -	.250	Medium Sand	34.35
100 -	.150	Fine Sand	11.48
140 -	.106	Very Fine Sand	4.36
270 -	.053	Very Fine Sand	3.07

2.0mm <= 3.0%
 2.0mm + 1.0mm <= 10%
 0.5mm + 0.25mm >= 60%
 0.15mm <= 20%
 0.106mm + 0.053mm <= 5.0%