



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

**** PHYSICAL ANALYSIS REPORT ****

Boulder Creek Golf Club
1501 Veterans Memorial Drive
Boulder City, NV 89005

File Number: 47327

Date Received/Started : 11/8/2013
Date Completed/Reported: 11/12/2013
Date Issued: 11/12/2013

Submitted By: Soil and Water Consulting

Lab Number	1457
Sample Description	COYOTE RUN GREEN 9 0-4"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

*No Duplicate Due to Lack of Sample

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



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Submitted By: Soil and Water Consulting Reviewed by:

Jackie Brackman

Lab Number 1457
 Sample Description COYOTE RUN
 GREEN 9
 0-4"

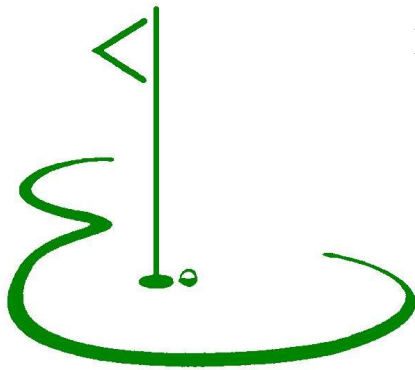
Particle Size Analysis**USGA Specs**

Clay <.002mm	%	0.9	<= 3.0%
Silt .002mm - .05mm	%	11.8	<= 5.0%
Sand .05mm - 2.00mm	%	86.4	
Gravel > 2.0mm	%	0.9	

Org Mat 360 deg C (LOI) 4.12

Sand Fractions

Sieve Size		% Retained	
#	mm		
10 - 2.0	Fine Gravel	0.9	2.0mm <= 3.0%
18 - 1.0	Very Coarse Sand	3.1	2.0mm + 1.0mm <= 10%
35 - .500	Coarse Sand	33.5	
60 - .250	Medium Sand	34.1	0.5mm + 0.25mm >= 60%
100 - .150	Fine Sand	10.0	0.15mm <= 20%
140 - .106	Very Fine Sand	3.1	0.106mm + 0.053mm <= 5.0%
270 - .053	Very Fine Sand	2.6	



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Submitted By: Soil and Water Consulting

Lab Number	1458
Sample Description	COYOTE RUN GREEN 9 BELOW 4"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

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Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

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Jackie Brackman

Lab Number 1458
 Sample Description COYOTE RUN
 GREEN 9
 BELOW 4"

Particle Size Analysis**USGA Specs**

Clay	<.002mm	%	0.4	<= 3.0%
Silt	.002mm - .05mm	%	2.5	<= 5.0%
Sand	.05mm - 2.00mm	%	97.1	
Gravel	> 2.0mm	%	0.0	

Org Mat 360 deg C (LOI) 2.46

Sand Fractions

Sieve Size		% Retained		
#	mm			
10 -	2.0	Fine Gravel	0.0	2.0mm <= 3.0%
18 -	1.0	Very Coarse Sand	3.9	2.0mm + 1.0mm <= 10%
35 -	.500	Coarse Sand	40.7	
60 -	.250	Medium Sand	35.6	0.5mm + 0.25mm >= 60%
100 -	.150	Fine Sand	11.6	0.15mm <= 20%
140 -	.106	Very Fine Sand	3.7	0.106mm + 0.053mm <= 5.0%
270 -	.053	Very Fine Sand	1.6	