



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

**** PHYSICAL ANALYSIS REPORT ****

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number: 34998

Date Received/Started : 7/5/2023
Date Completed/Reported: 7/7/2023
Date Issued: 7/7/2023

Submitted By: Soil and Water Consulting

Lab Number	1641
Sample Description	POTENTIAL NEW TOPDRESSING SAND CODY
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A
ASTM F1815

D Values

** D10: 0.15
** D60: 0.46
** Coefficient of Uniformity: 3.09

*Reported values are an average of duplicated analysis

** NON A2LA ACCREDITED
* *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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Tucson Country Club
2950 N. Camino Principal
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File Number : 34998
** Date of Analysis **
Start Date : 7/5/2023
Completed : 7/7/2023

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 1641
Sample Description POTENTIAL NEW
TOPDRESSING SAND
CODY

Particle Size Analysis

Clay	<.002mm	%	1.3
Silt	.002mm - .05mm	%	1.4
Sand	.05mm - 2.00mm	%	97.1
Gravel	> 2.0mm	%	0.2

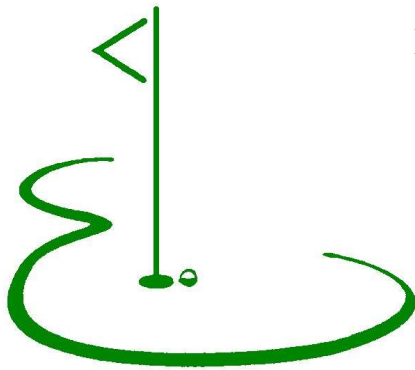
Org Mat 360 deg C (LOI)	0.32
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Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.2
18 - 1.0	Very Coarse Sand	3.6
35 - .500	Coarse Sand	30.3
60 - .250	Medium Sand	39.6
100 - .150	Fine Sand	16.3
140 - .106	Very Fine Sand	5.5
270 - .053	Very Fine Sand	1.8

Soil Moisture Measurements

Saturated Conductivity in/hr	6.8
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Submitted By: Soil and Water Consulting

Lab Number	1642
Sample Description	EWING USGA
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.16
** D60: 0.47
** Coefficient of Uniformity: 2.99

*Reported values are an average of duplicated analysis

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File Number : 34998
** Date of Analysis **
Start Date : 7/5/2023
Completed : 7/7/2023

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 1642
Sample Description EWING
USGA

Particle Size Analysis

Clay	<.002mm	%	0.7
Silt	.002mm - .05mm	%	1.1
Sand	.05mm - 2.00mm	%	97.8
Gravel	> 2.0mm	%	0.4

Org Mat 360 deg C (LOI) 0.31

Sand Fractions

Sieve Size			% Retained
#	mm		
10 -	2.0	Fine Gravel	0.4
18 -	1.0	Very Coarse Sand	3.9
35 -	.500	Coarse Sand	30.3
60 -	.250	Medium Sand	39.9
100 -	.150	Fine Sand	16.5
140 -	.106	Very Fine Sand	5.3
270 -	.053	Very Fine Sand	1.9