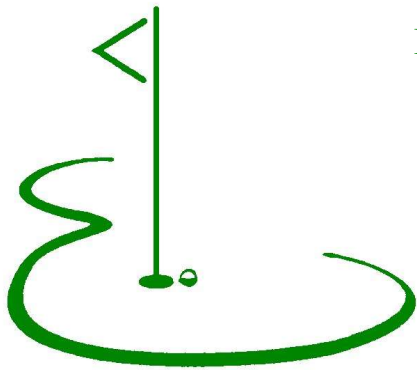




BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

**** PHYSICAL ANALYSIS REPORT ****

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

File Number: 34998

Date Received/Started : 9/12/2022
Date Completed/Reported: 9/16/2022
Date Issued: 9/16/2022

Submitted By: Soil and Water Consulting

Lab Number	2021
Sample Description	TEE CAPPING MATERIAL
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D5550
ASTM F1632
ASTM F1647 - Method A
ASTM F1815

D Values

** D10: 0.14
** D60: 0.60
** Coefficient of Uniformity: 4.39

*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

CAPPING CHARACTERISTICS

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

File Number : 34998
 ** Date of Analysis **
 Start Date : 9/12/2022
 Completed : 9/16/2022

Submitted By: Soil and Water Consulting Reviewed by:

Jackie Brackman

Lab Number 2021
 Sample Description TEE CAPPING
 MATERIAL

Particle Size Analysis

Clay	<.002mm	%	0.8
Silt	.002mm - .05mm	%	2.6
Sand	.05mm - 2.00mm	%	93.8
Gravel	> 2.0mm	%	2.8

Org Mat 360 deg C (LOI) 0.12

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 2.8
18 -	1.0	Very Coarse Sand 15.0
35 -	.500	Coarse Sand 27.9
60 -	.250	Medium Sand 31.0
100 -	.150	Fine Sand 11.8
140 -	.106	Very Fine Sand 5.1
270 -	.053	Very Fine Sand 3.0

Soil Moisture Measurements

Saturated Conductivity in/hr 15.0

Soil Density

Bulk Density	g/cc	1.63
Particle Density	g/cc	2.64

MOISTURE RETENTION %**PORE SPACE %**

		TOTAL	CAPILLARY	AIR FILLED
SATURATION	20.5	38.4	38.5	0.0
10 CM	19.9	38.4	32.3	6.1
20 CM	19.6	38.4	31.9	6.6
30 CM	13.5	38.4	22.0	16.5
40 CM	9.5	38.4	15.5	23.0

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 MATERIAL

