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

** PHYSICAL ANALYSIS REPORT **

Brightview Golf Maintenance
Glendora, CA

File Number: 87359

Date Received/Started : 2/9/2023
Date Completed/Reported: 2/15/2023
Date Issued: 2/15/2023

Submitted By: Soil and Water Consulting

Lab Number				0010
Sample Description				MADERA G & CC GREEN 11 0-1/2"
Sample Condition	XX	Normal	___	Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.20
** D60: 0.41
** Coefficient of Uniformity: 2.06

** NON A2LA ACCREDITED

**** PHYSICAL ANALYSIS REPORT ****

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Glendora, CA

File Number : 87359
** Date of Analysis **
Start Date : 2/9/2023
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Lab Number	0010
Sample Description	MADERA G & CC GREEN 11 0-1/2"

Particle Size Analysis

Clay <.002mm	%	0.50
Silt .002mm - .05mm	%	2.70
Sand .05mm - 2.00mm	%	96.3
Gravel > 2.0mm	%	0.5

Org Mat 360 deg C (LOI)	4.55

Sand Fractions

Sieve Size #	mm		% Retained
10 -	2.0	Fine Gravel	0.5
18 -	1.0	Very Coarse Sand	0.6
35 -	.500	Coarse Sand	15.4
60 -	.250	Medium Sand	68.7
100 -	.150	Fine Sand	10.0
140 -	.106	Very Fine Sand	1.1
270 -	.053	Very Fine Sand	0.6

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Lab Number				0011
Sample Description				MADERA G & CC GREEN 11 1 1/2"-3
Sample Condition	XX	Normal	___	Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.09
** D60: 0.41
** Coefficient of Uniformity: 4.73

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Lab Number	0011
Sample Description	MADERA G & CC GREEN 11 1 1/2"-3

Particle Size Analysis

Clay <.002mm	%	1.50
Silt .002mm - .05mm	%	4.50
Sand .05mm - 2.00mm	%	93.8
Gravel > 2.0mm	%	0.2

Org Mat 360 deg C (LOI)	1.75

Sand Fractions

Sieve Size #	mm		% Retained
10 -	2.0	Fine Gravel	0.2
18 -	1.0	Very Coarse Sand	2.3
35 -	.500	Coarse Sand	23.0
60 -	.250	Medium Sand	40.5
100 -	.150	Fine Sand	15.8
140 -	.106	Very Fine Sand	6.2
270 -	.053	Very Fine Sand	6.1

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Lab Number				0012
Sample Description				MADERA G & CC GREEN 11 1/2"-1 1
Sample Condition	XX	Normal	___	Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.12
** D60: 0.39
** Coefficient of Uniformity: 3.40

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Brightview Golf Maintenance
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File Number : 87359
** Date of Analysis **
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Completed : 2/15/2023

Submitted By: Soil and Water Consulting

Lab Number	0012
Sample Description	MADERA G & CC GREEN 11 1/2"-1 1

Particle Size Analysis

Clay <.002mm	%	1.50
Silt .002mm - .05mm	%	5.20
Sand .05mm - 2.00mm	%	93.0
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI)	4.80

Sand Fractions

Sieve Size #	mm		% Retained
10 -	2.0	Fine Gravel	0.3
18 -	1.0	Very Coarse Sand	1.1
35 -	.500	Coarse Sand	15.3
60 -	.250	Medium Sand	53.5
100 -	.150	Fine Sand	16.4
140 -	.106	Very Fine Sand	4.4
270 -	.053	Very Fine Sand	2.4