



**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

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Lab Number	0007
Sample Description	MADERA G & CC GREEN 8 0-1/2"
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.19  
\*\* D60: 0.40  
\*\* Coefficient of Uniformity: 2.12

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\*\* NON A2LA ACCREDITED  
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\* *These results represent the sample submitted only.*

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Glendora, CA

File Number : 87359  
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Start Date : 2/9/2023  
Completed : 2/15/2023

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Lab Number 0007  
Sample Description MADERA G & CC  
GREEN 8  
0-1/2"

**Particle Size Analysis**

Clay <.002mm	%	0.50
Silt .002mm - .05mm	%	1.70
Sand .05mm - 2.00mm	%	97.7
Gravel > 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 2.97

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	0.4
35 - .500	Coarse Sand	12.7
60 - .250	Medium Sand	69.4
100 - .150	Fine Sand	12.3
140 - .106	Very Fine Sand	2.1
270 - .053	Very Fine Sand	0.7



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Lab Number	0008
Sample Description	MADERA G & CC GREEN 8 1 1/2"-3
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.06  
\*\* D60: 0.39  
\*\* Coefficient of Uniformity: 6.97

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Lab Number 0008  
Sample Description MADERA G & CC  
GREEN 8  
1 1/2"-3

**Particle Size Analysis**

Clay <.002mm	%	1.40
Silt .002mm - .05mm	%	7.90
Sand .05mm - 2.00mm	%	90.6
Gravel > 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 2.11

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	1.9
35 - .500	Coarse Sand	21.2
60 - .250	Medium Sand	38.3
100 - .150	Fine Sand	15.1
140 - .106	Very Fine Sand	7.6
270 - .053	Very Fine Sand	6.3



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Lab Number	0009
Sample Description	MADERA G & CC GREEN 8 1/2"-1 1
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.13  
\*\* D60: 0.39  
\*\* Coefficient of Uniformity: 3.07

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Brightview Golf Maintenance  
Glendora, CA

File Number : 87359  
\*\* Date of Analysis \*\*  
Start Date : 2/9/2023  
Completed : 2/15/2023

Submitted By: Soil and Water Consulting

Lab Number 0009  
Sample Description MADERA G & CC  
GREEN 8  
1/2"-1 1

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### Particle Size Analysis

Clay <.002mm	%	1.50
Silt .002mm - .05mm	%	3.90
Sand .05mm - 2.00mm	%	94.2
Gravel > 2.0mm	%	0.4

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Org Mat 360 deg C (LOI)	3.69
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### Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.4
18 - 1.0	Very Coarse Sand	1.7
35 - .500	Coarse Sand	15.5
60 - .250	Medium Sand	49.5
100 - .150	Fine Sand	20.5
140 - .106	Very Fine Sand	4.4
270 - .053	Very Fine Sand	2.6

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