



**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 : 2/13/2023  
Date Completed/Reported: 2/15/2023  
Date Issued: 2/15/2023

Submitted By: Soil and Water Consulting

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Lab Number	0001
Sample Description	TERRANEA RESORT GC GREEN 2 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: 0.17  
\*\* D60: 0.45  
\*\* Coefficient of Uniformity: 2.66

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

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Lab Number 0001  
Sample Description TERRANEA RESORT GC  
GREEN 2  
0-1/2"

**Particle Size Analysis**

Clay <.002mm	%	1.90
Silt .002mm - .05mm	%	4.40
Sand .05mm - 2.00mm	%	93.4
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 4.44

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.3
18 - 1.0	Very Coarse Sand	2.3
35 - .500	Coarse Sand	25.6
60 - .250	Medium Sand	57.9
100 - .150	Fine Sand	4.8
140 - .106	Very Fine Sand	1.8
270 - .053	Very Fine Sand	1.0



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Lab Number	0002
Sample Description	TERRANEA RESORT GC GREEN 2 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: 0.17  
\*\* D60: 0.48  
\*\* Coefficient of Uniformity: 2.77

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Lab Number 0002  
Sample Description TERRANEA RESORT GC  
GREEN 2  
1 1/2"-3

**Particle Size Analysis**

Clay <.002mm	%	2.40
Silt .002mm - .05mm	%	2.10
Sand .05mm - 2.00mm	%	95.3
Gravel > 2.0mm	%	0.2

Org Mat 360 deg C (LOI) 1.55

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.2
18 - 1.0	Very Coarse Sand	3.8
35 - .500	Coarse Sand	32.0
60 - .250	Medium Sand	48.8
100 - .150	Fine Sand	6.9
140 - .106	Very Fine Sand	2.3
270 - .053	Very Fine Sand	1.6



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Lab Number	0003
Sample Description	TERRANEA RESORT GC GREEN 2 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: 0.22  
\*\* D60: 0.45  
\*\* Coefficient of Uniformity: 2.01

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Brightview Golf Maintenance  
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Start Date : 2/13/2023  
Completed : 2/15/2023

Submitted By: Soil and Water Consulting

Lab Number 0003  
Sample Description TERRANEA RESORT GC  
GREEN 2  
1/2"-1 1

**Particle Size Analysis**

Clay	<.002mm	%	2.40
Silt	.002mm - .05mm	%	1.30
Sand	.05mm - 2.00mm	%	96.0
Gravel	> 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 3.27

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.3
18 -	1.0	Very Coarse Sand 3.2
35 -	.500	Coarse Sand 24.4
60 -	.250	Medium Sand 60.5
100 -	.150	Fine Sand 6.0
140 -	.106	Very Fine Sand 1.0
270 -	.053	Very Fine Sand 0.9