



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

Lab Number	0004
Sample Description	TERRANEA RESORT GC GREEN 7 0-1/2"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.19
** D60: 0.45
** Coefficient of Uniformity: 2.30

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

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Lab Number 0004
Sample Description TERRANEA RESORT GC
GREEN 7
0-1/2"

Particle Size Analysis

Clay	<.002mm	%	1.60
Silt	.002mm - .05mm	%	5.20
Sand	.05mm - 2.00mm	%	92.8
Gravel	> 2.0mm	%	0.4

Org Mat 360 deg C (LOI) 5.85

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.4
18 -	1.0	Very Coarse Sand 2.2
35 -	.500	Coarse Sand 24.4
60 -	.250	Medium Sand 60.5
100 -	.150	Fine Sand 4.3
140 -	.106	Very Fine Sand 1.2
270 -	.053	Very Fine Sand 0.1



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Lab Number	0005
Sample Description	TERRANEA RESORT GC GREEN 7 1 1/2"-3
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.22
** D60: 0.52
** Coefficient of Uniformity: 2.38

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Lab Number 0005
Sample Description TERRANEA RESORT GC
GREEN 7
1 1/2"-3

Particle Size Analysis

Clay <.002mm	%	1.50
Silt .002mm - .05mm	%	2.10
Sand .05mm - 2.00mm	%	96.1
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 1.48

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.3
18 - 1.0	Very Coarse Sand	6.4
35 - .500	Coarse Sand	34.5
60 - .250	Medium Sand	47.0
100 - .150	Fine Sand	5.7
140 - .106	Very Fine Sand	1.4
270 - .053	Very Fine Sand	1.2



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Lab Number	0006
Sample Description	TERRANEA RESORT GC GREEN 7 1/2"-1 1
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.20
** D60: 0.45
** Coefficient of Uniformity: 2.18

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Lab Number 0006
Sample Description TERRANEA RESORT GC
GREEN 7
1/2"-1 1

Particle Size Analysis

Clay <.002mm	%	0.50
Silt .002mm - .05mm	%	4.40
Sand .05mm - 2.00mm	%	94.6
Gravel > 2.0mm	%	0.5

Org Mat 360 deg C (LOI) 3.67

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.5
18 - 1.0	Very Coarse Sand	2.4
35 - .500	Coarse Sand	23.8
60 - .250	Medium Sand	60.8
100 - .150	Fine Sand	5.3
140 - .106	Very Fine Sand	1.2
270 - .053	Very Fine Sand	1.0