



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: 2/17/2023
Date Issued: 2/17/2023

Submitted By: Soil and Water Consulting

Lab Number	0023
Sample Description	INDUSTRY HILLS GC GREEN 4B 0-1/2"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.27
** D60: 0.72
** Coefficient of Uniformity: 2.69

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

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Lab Number 0023
 Sample Description INDUSTRY HILLS GC
 GREEN 4B
 0-1/2"

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	5.30
Sand .05mm - 2.00mm	%	93.5
Gravel > 2.0mm	%	0.4

Org Mat 360 deg C (LOI) 4.35

Sand Fractions

Sieve Size		<u>% Retained</u>
#	mm	
10 - 2.0	Fine Gravel	0.4
18 - 1.0	Very Coarse Sand	2.6
35 - .500	Coarse Sand	65.5
60 - .250	Medium Sand	23.1
100 - .150	Fine Sand	1.4
140 - .106	Very Fine Sand	0.5
270 - .053	Very Fine Sand	0.5



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Lab Number	0024
Sample Description	INDUSTRY HILLS GC GREEN 4 1 1/2"-3
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.18
** D60: 0.56
** Coefficient of Uniformity: 3.05

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Lab Number 0024
Sample Description INDUSTRY HILLS GC
GREEN 4
1 1/2"-3

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	4.00
Sand .05mm - 2.00mm	%	95.1
Gravel > 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 0.88

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	1.4
35 - .500	Coarse Sand	43.5
60 - .250	Medium Sand	40.7
100 - .150	Fine Sand	6.4
140 - .106	Very Fine Sand	1.8
270 - .053	Very Fine Sand	1.3



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Lab Number	0025
Sample Description	INDUSTRY HILLS GC GREEN 4 1/2"-1 1
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.25
** D60: 0.66
** Coefficient of Uniformity: 2.63

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Lab Number 0025
Sample Description INDUSTRY HILLS GC
GREEN 4
1/2"-1 1

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	4.70
Sand .05mm - 2.00mm	%	94.4
Gravel > 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 2.22

Sand Fractions

Sieve Size		<u>% Retained</u>
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	2.2
35 - .500	Coarse Sand	54.8
60 - .250	Medium Sand	32.8
100 - .150	Fine Sand	3.1
140 - .106	Very Fine Sand	0.7
270 - .053	Very Fine Sand	0.7
