



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

**** PHYSICAL ANALYSIS REPORT ****

Las Vegas Country Club
Joe W. Brown Street
Las Vegas, NV 89109

File Number: 51324

Date Received/Started : 12/9/2022
Date Completed/Reported: 12/13/2022
Date Issued: 12/13/2022

Submitted By: Soil and Water Consulting

Lab Number
Sample Description

0019
GREEN #1
0-3"

Sample Condition

XX Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.10
** D60: 0.49
** Coefficient of Uniformity: 4.71

**** NON A2LA ACCREDITED**

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*** These results represent the sample submitted only.**

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Lab Number 0019
Sample Description GREEN #1
0-3"

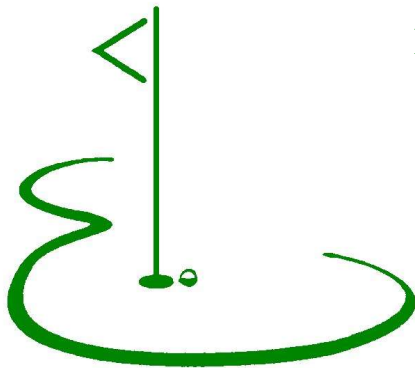
Particle Size Analysis

Clay	<.002mm	%	3.80
Silt	.002mm - .05mm	%	3.80
Sand	.05mm - 2.00mm	%	91.4
Gravel	> 2.0mm	%	1.0

Org Mat 360 deg C (LOI) 1.65

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	1.0
18 - 1.0	Very Coarse Sand	8.0
35 - .500	Coarse Sand	29.6
60 - .250	Medium Sand	32.1
100 - .150	Fine Sand	13.4
140 - .106	Very Fine Sand	5.8
270 - .053	Very Fine Sand	2.5



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Submitted By: Soil and Water Consulting

Lab Number	0020
Sample Description	GREEN #1 BELOW 3"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.16
** D60: 0.60
** Coefficient of Uniformity: 3.83

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Lab Number	0020
Sample Description	GREEN #1 BELOW 3"

Particle Size Analysis

Clay	<.002mm	%	1.90
Silt	.002mm - .05mm	%	0.80
Sand	.05mm - 2.00mm	%	97.3
Gravel	> 2.0mm	%	0.0

Org Mat 360 deg C (LOI)	0.47
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Sand Fractions

Sieve Size			% Retained
#	mm		
10 -	2.0	Fine Gravel	0.0
18 -	1.0	Very Coarse Sand	12.4
35 -	.500	Coarse Sand	34.5
60 -	.250	Medium Sand	31.4
100 -	.150	Fine Sand	12.5
140 -	.106	Very Fine Sand	5.1
270 -	.053	Very Fine Sand	1.3



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Lab Number
Sample Description

0021
GREEN #18
0-3"

Sample Condition

XX Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.10
** D60: 0.49
** Coefficient of Uniformity: 4.68

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Lab Number 0021
Sample Description GREEN #18
0-3"

Particle Size Analysis

Clay	<.002mm	%	2.90
Silt	.002mm - .05mm	%	4.50
Sand	.05mm - 2.00mm	%	91.1
Gravel	> 2.0mm	%	1.5

Org Mat 360 deg C (LOI) 1.50

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	1.5
18 - 1.0	Very Coarse Sand	7.2
35 - .500	Coarse Sand	29.6
60 - .250	Medium Sand	31.7
100 - .150	Fine Sand	15.5
140 - .106	Very Fine Sand	4.4
270 - .053	Very Fine Sand	2.7



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Lab Number
Sample Description

0022
GREEN #18
BELOW 3"

Sample Condition

XX Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.15
** D60: 0.60
** Coefficient of Uniformity: 3.87

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Lab Number	0022
Sample Description	GREEN #18 BELOW 3"

Particle Size Analysis

Clay	<.002mm	%	1.90
Silt	.002mm - .05mm	%	1.40
Sand	.05mm - 2.00mm	%	96.7
Gravel	> 2.0mm	%	0.0

Org Mat 360 deg C (LOI)	0.49
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Sand Fractions

Sieve Size			% Retained
#	mm		
10 -	2.0	Fine Gravel	0.0
18 -	1.0	Very Coarse Sand	13.1
35 -	.500	Coarse Sand	33.3
60 -	.250	Medium Sand	30.5
100 -	.150	Fine Sand	13.6
140 -	.106	Very Fine Sand	4.8
270 -	.053	Very Fine Sand	1.3
