

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

**** PHYSICAL ANALYSIS REPORT ****

El Dorado Golf and Beach Club
23410 San Jose del Cabo
BCS, MEX

File Number: 87790

Date Received/Started : 3/14/2023
Date Completed/Reported: 3/16/2023
Date Issued: 3/16/2023

Submitted By: Soil and Water Consulting

Lab Number	0011
Sample Description	GREEN
	4
	0-6.5"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.11
** D60: 0.43
** Coefficient of Uniformity: 3.84

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Start Date : 3/14/2023
Completed : 3/16/2023

Submitted By: Soil and Water Consulting

Lab Number 0011
Sample Description GREEN
4
0-6.5"

Particle Size Analysis

Clay	<.002mm	%	4.60
Silt	.002mm - .05mm	%	2.50
Sand	.05mm - 2.00mm	%	92.8
Gravel	> 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 1.78

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	3.3
35 - .500	Coarse Sand	21.8
60 - .250	Medium Sand	53.8
100 - .150	Fine Sand	8.0
140 - .106	Very Fine Sand	3.6
270 - .053	Very Fine Sand	2.4



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Lab Number	0012
Sample Description	GREEN
	4
	BELOW6.5
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.09
** D60: 0.44
** Coefficient of Uniformity: 4.99

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Lab Number	0012
Sample Description	GREEN
	4
	BELOW6.5

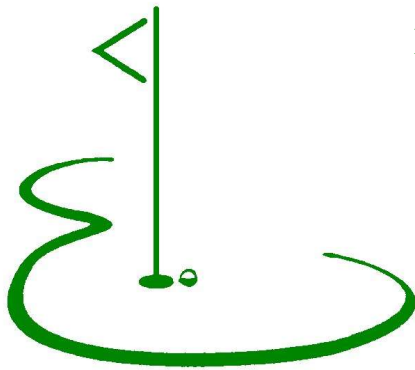
Particle Size Analysis

Clay	<.002mm	%	2.60
Silt	.002mm - .05mm	%	3.40
Sand	.05mm - 2.00mm	%	93.1
Gravel	> 2.0mm	%	0.9

Org Mat 360 deg C (LOI)	0.32
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Sand Fractions

Sieve Size			<u>% Retained</u>
#	mm		
10 -	2.0	Fine Gravel	0.9
18 -	1.0	Very Coarse Sand	9.4
35 -	.500	Coarse Sand	22.4
60 -	.250	Medium Sand	31.0
100 -	.150	Fine Sand	17.3
140 -	.106	Very Fine Sand	7.1
270 -	.053	Very Fine Sand	5.8



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Lab Number	0013
Sample Description	GREEN
	10
	0-6.5"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.14
** D60: 0.44
** Coefficient of Uniformity: 3.20

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Lab Number	0013
Sample Description	GREEN
	10
	0-6.5"

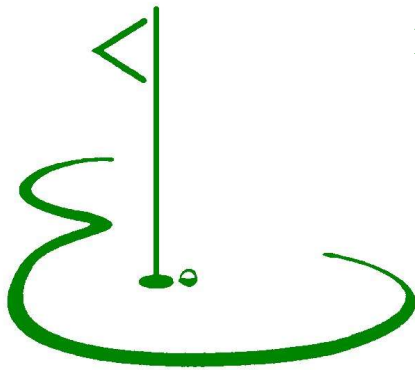
Particle Size Analysis

Clay	<.002mm	%	2.60
Silt	.002mm - .05mm	%	5.00
Sand	.05mm - 2.00mm	%	92.2
Gravel	> 2.0mm	%	0.2

Org Mat 360 deg C (LOI)	1.77
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Sand Fractions

Sieve Size			<u>% Retained</u>
#	mm		
10 -	2.0	Fine Gravel	0.2
18 -	1.0	Very Coarse Sand	3.0
35 -	.500	Coarse Sand	23.2
60 -	.250	Medium Sand	55.2
100 -	.150	Fine Sand	7.6
140 -	.106	Very Fine Sand	2.7
270 -	.053	Very Fine Sand	0.5



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Lab Number	0014
Sample Description	GREEN
	10
	BELOW6.5
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.12
** D60: 0.56
** Coefficient of Uniformity: 4.55

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Lab Number 0014
Sample Description GREEN
10
BELOW6.5

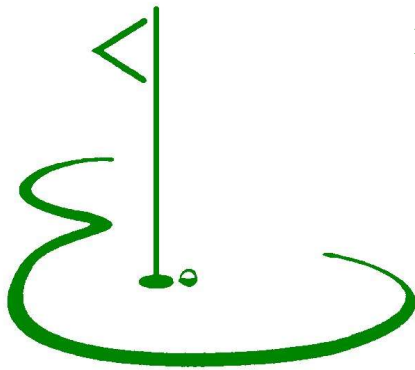
Particle Size Analysis

Clay	<.002mm	%	0.50
Silt	.002mm - .05mm	%	3.90
Sand	.05mm - 2.00mm	%	94.1
Gravel	> 2.0mm	%	1.5

Org Mat 360 deg C (LOI) 0.30

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	1.5
18 - 1.0	Very Coarse Sand	14.2
35 - .500	Coarse Sand	27.2
60 - .250	Medium Sand	29.1
100 - .150	Fine Sand	14.4
140 - .106	Very Fine Sand	5.5
270 - .053	Very Fine Sand	3.6



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Submitted By: Soil and Water Consulting

Lab Number	0015
Sample Description	GREEN
	18
	0-6.5"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.17
** D60: 0.44
** Coefficient of Uniformity: 2.60

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Lab Number 0015
Sample Description GREEN
18
0-6.5"

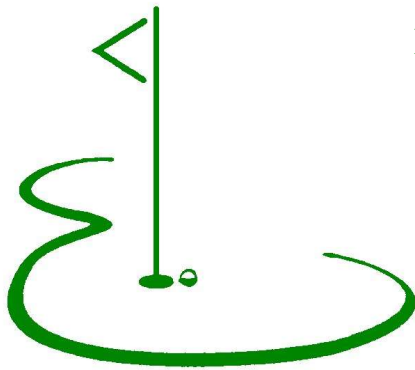
Particle Size Analysis

Clay	<.002mm	%	1.50
Silt	.002mm - .05mm	%	3.70
Sand	.05mm - 2.00mm	%	94.1
Gravel	> 2.0mm	%	0.7

Org Mat 360 deg C (LOI) 1.79

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.7
18 - 1.0	Very Coarse Sand	4.3
35 - .500	Coarse Sand	22.0
60 - .250	Medium Sand	57.5
100 - .150	Fine Sand	6.9
140 - .106	Very Fine Sand	2.0
270 - .053	Very Fine Sand	1.4



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Submitted By: Soil and Water Consulting

Lab Number	0016
Sample Description	GREEN
	18
	BELOW6.5
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.16
** D60: 0.76
** Coefficient of Uniformity: 4.81

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Lab Number 0016
Sample Description GREEN
18
BELOW6.5

Particle Size Analysis

Clay	<.002mm	%	0.50
Silt	.002mm - .05mm	%	3.10
Sand	.05mm - 2.00mm	%	93.2
Gravel	> 2.0mm	%	3.2

Org Mat 360 deg C (LOI) 0.24

Sand Fractions

Sieve Size			% Retained
#	mm		
10 -	2.0	Fine Gravel	3.2
18 -	1.0	Very Coarse Sand	22.0
35 -	.500	Coarse Sand	31.5
60 -	.250	Medium Sand	25.2
100 -	.150	Fine Sand	9.0
140 -	.106	Very Fine Sand	3.7
270 -	.053	Very Fine Sand	1.9