



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 : 10/11/2023
Date Completed/Reported: 10/24/2023
Date Issued: 10/24/2023

Submitted By: Soil and Water Consulting

Lab Number	2706
Sample Description	EL DORADO CUSTOM LIME- STONE BL
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D5550
ASTM F1632
ASTM F1647 - Method A
ASTM F1815

D Values

** D10: 0.26
** D60: 0.93
** Coefficient of Uniformity: 3.52

*Reported values are an average of duplicated analysis
* Same as 2705

** NON A2LA ACCREDITED
* *This report may only be reproduced in its entirety.*
* *These results represent the sample submitted only.*



Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

CAPPING CHARACTERISTICS

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

File Number : 87790
 ** Date of Analysis **
 Start Date : 10/11/2023
 Completed : 10/24/2023

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 2706
 Sample Description EL DORADO CUSTOM
 LIME-
 STONE BL

Particle Size Analysis**USGA Specs**

Clay	<.002mm	%	0.6	<= 3.0%
Silt	.002mm - .05mm	%	0.5	<= 5.0%
Sand	.05mm - 2.00mm	%	96.0	
Gravel	> 2.0mm	%	2.9	

Org Mat 360 deg C (LOI) 0.30

Sand Fractions

Sieve Size		% Retained	
#	mm		
10 -	2.0	Fine Gravel	2.9
18 -	1.0	Very Coarse Sand	32.4
35 -	.500	Coarse Sand	33.9
60 -	.250	Medium Sand	22.1
100 -	.150	Fine Sand	5.6
140 -	.106	Very Fine Sand	1.3
270 -	.053	Very Fine Sand	0.7

2.0mm <= 3.0%
 2.0mm + 1.0mm <= 10%
 0.5mm + 0.25mm >= 60%
 0.15mm <= 20%
 0.106mm + 0.053mm <= 5.0%

Soil Moisture Measurements

Saturated Conductivity in/hr 51.2

Soil Density

Bulk Density	g/cc	1.68
Particle Density	g/cc	2.72

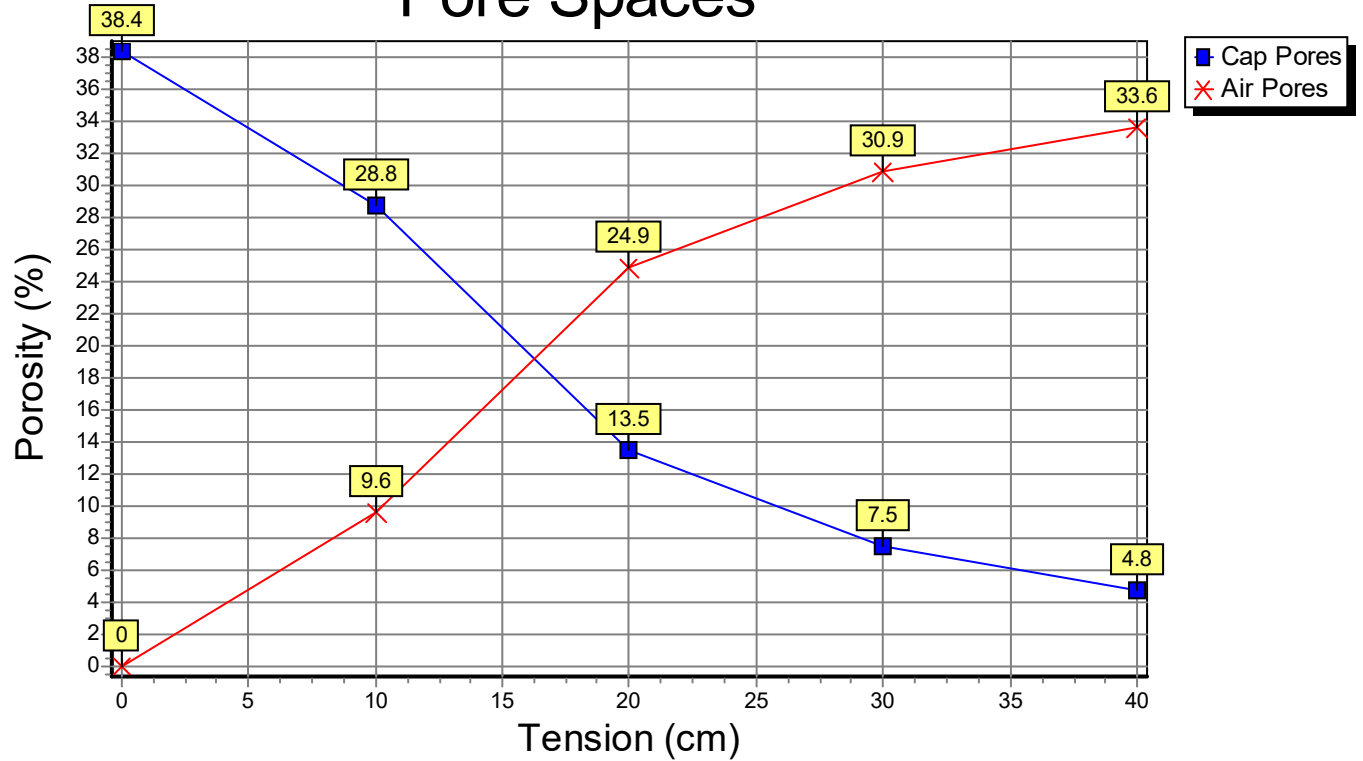
MOISTURE RETENTION %**PORE SPACE %**

		TOTAL	CAPILLARY	AIR FILLED
SATURATION	19.1	38.4	38.4	0.0
10 CM	17.2	38.4	28.8	9.6
20 CM	8.1	38.4	13.5	24.9
30 CM	4.5	38.4	7.5	30.9
40 CM	2.9	38.4	4.8	33.6

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Pore Spaces



Moisture Retention

