



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

**** PHYSICAL ANALYSIS REPORT ****

Freestone Club
Fairfield, TX

File Number: 91984

Date Received/Started : 5/23/2024
Date Completed/Reported: 5/30/2024
Date Issued: 5/30/2024

Submitted By: Soil and Water Consulting

Lab Number	1327
Sample Description	KS&G CAPPING MATERIAL
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D5550
ASTM F1632
ASTM F1647 - Method A
ASTM F1815

D Values

** D10: 0.15
** D60: 0.34
** Coefficient of Uniformity: 2.30

*Reported values are an average of duplicated analysis

** 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

Freestone Club
Fairfield, TX

File Number : 91984
** Date of Analysis **
Start Date : 5/23/2024
Completed : 5/30/2024

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 1327
Sample Description KS&G
CAPPING
MATERIAL

Particle Size Analysis

Clay	<.002mm	%	1.4
Silt	.002mm - .05mm	%	1.9
Sand	.05mm - 2.00mm	%	92.4
Gravel	> 2.0mm	%	4.3

Org Mat 360 deg C (LOI) 0.14

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 4.3
18 -	1.0	Very Coarse Sand 1.7
35 -	.500	Coarse Sand 4.5
60 -	.250	Medium Sand 45.0
100 -	.150	Fine Sand 34.0
140 -	.106	Very Fine Sand 5.7
270 -	.053	Very Fine Sand 1.5

Soil Moisture Measurements

Saturated Conductivity in/hr 4.7

Soil Density

Bulk Density	g/cc	1.72
Particle Density	g/cc	2.67

***MOISTURE RETENTION %**

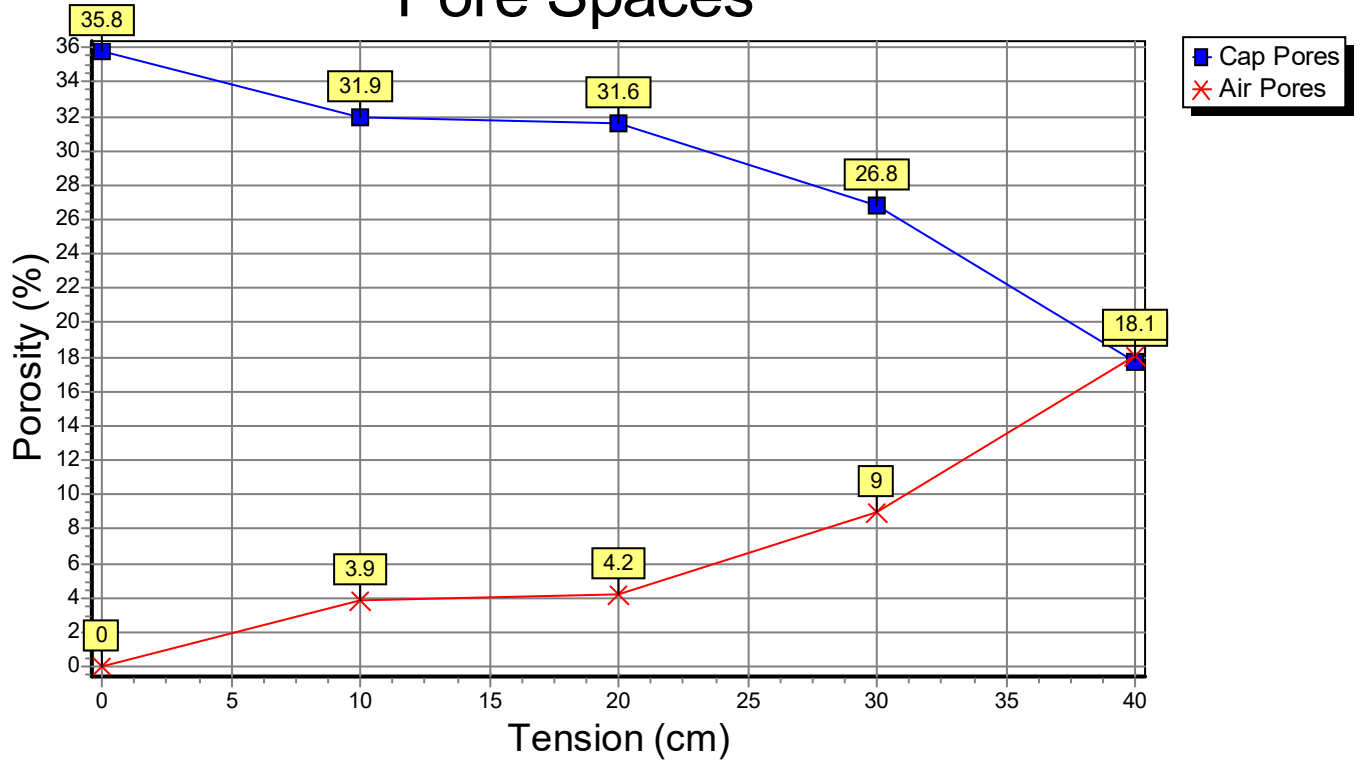
***PORE SPACE %**

		TOTAL	CAPILLARY	AIR FILLED
SATURATION	18.9	35.8	35.8	0.0
10 CM	18.6	35.8	31.9	3.9
20 CM	18.4	35.8	31.6	4.2
30 CM	15.6	35.8	26.8	9.0
40 CM	10.3	35.8	17.7	18.1

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Pore Spaces



Moisture Retention

