



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

**** PHYSICAL ANALYSIS REPORT ****

Jumping Brook Country Club
210 Jumping Brook Road
Neptune, NJ 07753

File Number: 74738

Date Received/Started : 01/03/2017
Date Completed/Reported: 01/09/2017

Submitted By: Soil and Water Consulting

Lab Number	0007
Sample Description	CLUBHOUSE PG
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D5550	0.17
ASTM F1632	0.46
ASTM F1647 - Method A	
ASTM F1815	

*Reported values are an average of duplicated analysis

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



CAPPING CHARACTERISTICS

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Submitted By: Soil and Water Consulting Reviewed by:

Jackie Brackman

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 Sample Description CLUBHOUSE
 PG

Particle Size Analysis

Clay	<.002mm	%	0.5
Silt	.002mm - .05mm	%	2.8
Sand	.05mm - 2.00mm	%	95.8
Gravel	> 2.0mm	%	0.9

Org Mat 360 deg C (LOI) 0.57

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.9
18 -	1.0	Very Coarse Sand 5.0
35 -	.500	Coarse Sand 26.5
60 -	.250	Medium Sand 46.5
100 -	.150	Fine Sand 13.7
140 -	.106	Very Fine Sand 3.2
270 -	.053	Very Fine Sand 0.9

Soil Moisture Measurements

Saturated Conductivity in/hr 7.0

Soil Density

Bulk Density	g/cc	1.58
Particle Density	g/cc	2.64

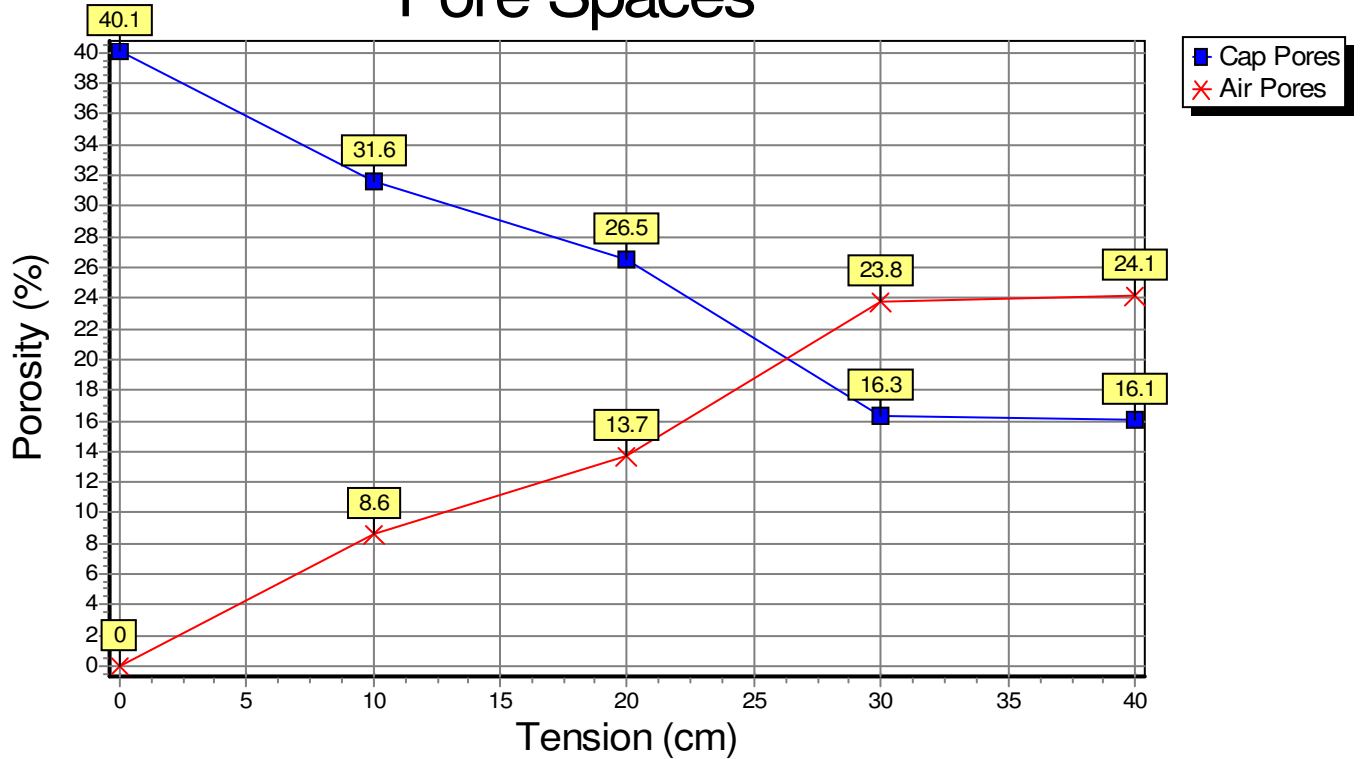
MOISTURE RETENTION %**PORE SPACE %**

		TOTAL	CAPILLARY	AIR FILLED
SATURATION	20.6	40.1	40.1	0.0
10 CM	20.0	40.1	31.6	8.6
20 CM	16.8	40.1	26.5	13.7
30 CM	10.3	40.1	16.3	23.8
40 CM	10.2	40.1	16.1	24.1

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Pore Spaces



Moisture Retention

