



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

**** PHYSICAL ANALYSIS REPORT ****

Running Deer Golf Club
Elmer, NJ 08318

File Number: 53874

Date Received/Started : 1/3/2020
Date Completed/Reported: 1/9/2020

Submitted By: Soil and Water Consulting

Lab Number	0011
Sample Description	PHILLIES DIRT TEE MIX (2019)
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM D5550
ASTM F1632
ASTM F1647 - Method A
ASTM F1815

D Values

** D10: 0.17
** D60: 0.45
** Coefficient of Uniformity: 2.72

*Reported values are an average of duplicated analysis
*Sieved out large stones
*Sieved off roots

** 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

Running Deer Golf Club
Elmer, NJ 08318

File Number : 53874
** Date of Analysis **
Start Date : 1/3/2020
Completed : 1/9/2020

Submitted By: Soil and Water Consulting Reviewed by:

Tiffany Albers

Lab Number 0011
Sample Description PHILLIES DIRT
TEE MIX (2019)

Particle Size Analysis

Clay	<.002mm	%	0.6
Silt	.002mm - .05mm	%	4.5
Sand	.05mm - 2.00mm	%	94.2
Gravel	> 2.0mm	%	0.7

Org Mat 360 deg C (LOI) 2.83

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.7
18 -	1.0	Very Coarse Sand 5.4
35 -	.500	Coarse Sand 23.8
60 -	.250	Medium Sand 50.4
100 -	.150	Fine Sand 11.5
140 -	.106	Very Fine Sand 2.1
270 -	.053	Very Fine Sand 1.0

Soil Moisture Measurements

Saturated Conductivity in/hr < 1.0

Soil Density

Bulk Density	g/cc	1.45
Particle Density	g/cc	2.58

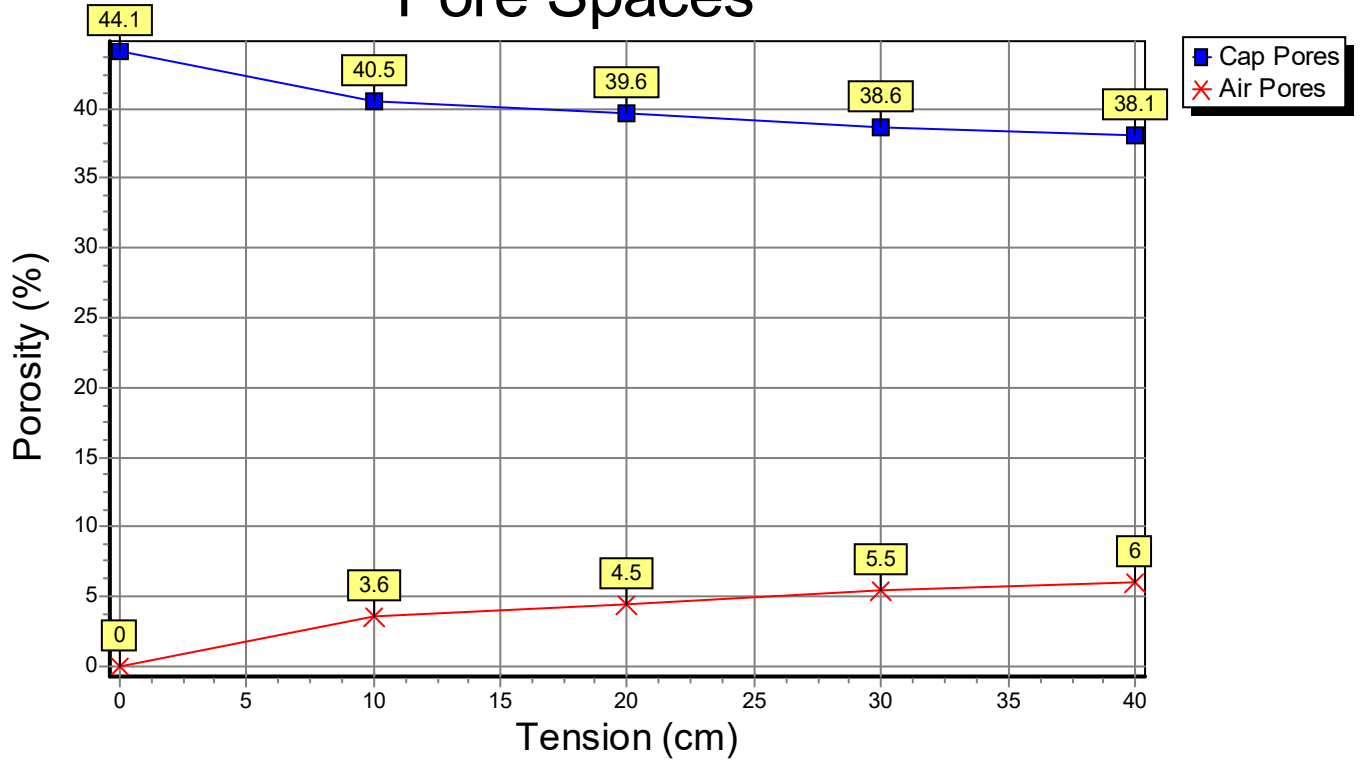
MOISTURE RETENTION %**PORE SPACE %**

		TOTAL	CAPILLARY	AIR FILLED
SATURATION	30.9	44.1	44.1	0.0
10 CM	28.0	44.1	40.5	3.6
20 CM	27.4	44.1	39.6	4.5
30 CM	26.7	44.1	38.6	5.5
40 CM	26.3	44.1	38.1	6.0

File Number: 53874
 Client Name: Running Deer Golf Club
 Submitted By: Soil and Water Consulting
 Start Date: 1/3/2020
 Completed: 1/9/2020

Lab Number: 0011
 Sample Description: PHILLIES DIRT
 TEE MIX (2019)

Pore Spaces



Moisture Retention

