



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

**\*\* PHYSICAL ANALYSIS REPORT \*\***

Braemar Country Club  
4001 Reseda Blvd  
Tarzana, CA 91356

File Number: 76278

Date Received/Started : 10/23/2023  
Date Completed/Reported: 10/30/2023  
Date Issued: 10/30/2023

Submitted By: Soil and Water Consulting

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|                    |                                                |
|--------------------|------------------------------------------------|
| Lab Number         | 2864                                           |
| Sample Description | WCS+3                                          |
|                    | 90/10                                          |
|                    | QC 2                                           |
| Sample Condition   | <u>XX</u> Normal      ___ Other (see comments) |

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**Method References**

ASTM D5550  
ASTM F1632  
ASTM F1647 - Method A  
ASTM F1815

**D Values**

\*\* D10: 0.22  
\*\* D60: 0.64  
\*\* Coefficient of Uniformity: 2.95

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\*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**

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90/10  
QC 2

**Particle Size Analysis**

|        |                |   |      |
|--------|----------------|---|------|
| Clay   | <.002mm        | % | 0.6  |
| Silt   | .002mm - .05mm | % | 1.2  |
| Sand   | .05mm - 2.00mm | % | 98.1 |
| Gravel | > 2.0mm        | % | 0.1  |

Org Mat 360 deg C (LOI) 0.57

**Sand Fractions**

| Sieve Size |      | % Retained           |
|------------|------|----------------------|
| #          | mm   |                      |
| 10 -       | 2.0  | Fine Gravel 0.1      |
| 18 -       | 1.0  | Very Coarse Sand 7.6 |
| 35 -       | .500 | Coarse Sand 45.0     |
| 60 -       | .250 | Medium Sand 34.7     |
| 100 -      | .150 | Fine Sand 8.0        |
| 140 -      | .106 | Very Fine Sand 2.1   |
| 270 -      | .053 | Very Fine Sand 0.7   |

**Soil Moisture Measurements**

Saturated Conductivity in/hr 7.8

**Soil Density**

|                  |      |      |
|------------------|------|------|
| Bulk Density     | g/cc | 1.58 |
| Particle Density | g/cc | 2.65 |

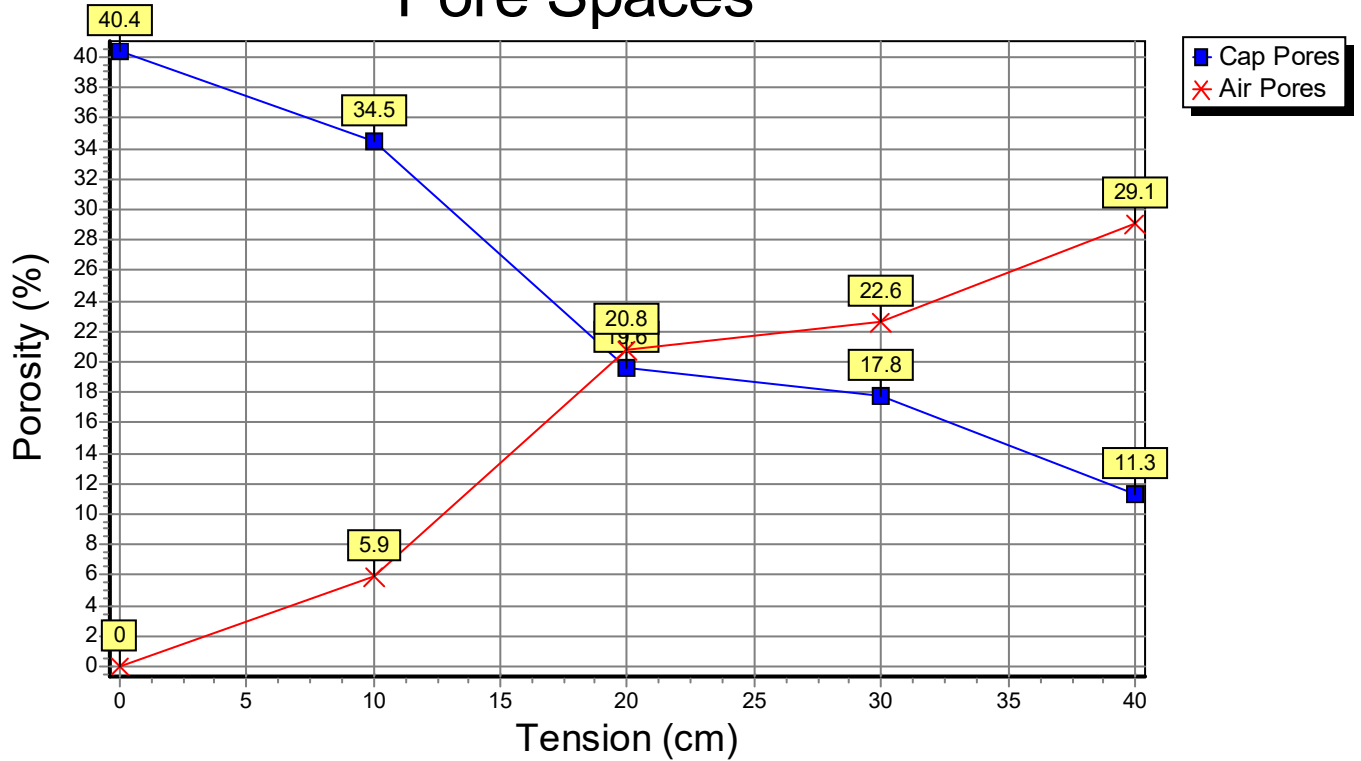
**\*MOISTURE RETENTION %****\*PORE SPACE %**

|            |      | TOTAL | CAPILLARY | AIR FILLED |
|------------|------|-------|-----------|------------|
| SATURATION | 22.4 | 40.4  | 40.4      | 0.0        |
| 10 CM      | 21.8 | 40.4  | 34.5      | 5.9        |
| 20 CM      | 12.4 | 40.4  | 19.6      | 20.8       |
| 30 CM      | 11.2 | 40.4  | 17.8      | 22.6       |
| 40 CM      | 7.1  | 40.4  | 11.3      | 29.1       |

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## Pore Spaces



## Moisture Retention

