



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

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

Valleybrook Country Club  
200 Golfview Drive  
Little Silver, NJ 07739

File Number: 55399

Date Received/Started : 4/25/2016  
Date Completed/Reported: 4/27/2016

Submitted By: Soil and Water Consulting

---

|                    |                                                |
|--------------------|------------------------------------------------|
| Lab Number         | 0001                                           |
| Sample Description | GREEN                                          |
|                    | 1                                              |
|                    | 0-5.5"                                         |
| Sample Condition   | <u>XX</u> Normal      ___ Other (see comments) |

---

**Method References**

|                       |      |
|-----------------------|------|
| ASTM F1632            | 0.05 |
| ASTM F1647 - Method A | 0.38 |

---

---

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

Valleybrook Country Club  
200 Golfview Drive  
Little Silver, NJ 07739

File Number : 55399  
\*\* Date of Analysis \*\*  
Start Date : 4/25/2016  
Completed : 4/27/2016

Submitted By: Soil and Water Consulting

---

|                    |        |
|--------------------|--------|
| Lab Number         | 0001   |
| Sample Description | GREEN  |
|                    | 1      |
|                    | 0-5.5" |

---

### Particle Size Analysis

---

|        |                |   |       |
|--------|----------------|---|-------|
| Clay   | <.002mm        | % | 5.90  |
| Silt   | .002mm - .05mm | % | 15.90 |
| Sand   | .05mm - 2.00mm | % | 76.0  |
| Gravel | > 2.0mm        | % | 2.2   |

---

|                         |      |
|-------------------------|------|
| Org Mat 360 deg C (LOI) | 3.34 |
|-------------------------|------|

---

### Sand Fractions

---

| Sieve Size |      |                  | <u>% Retained</u> |
|------------|------|------------------|-------------------|
| #          | mm   |                  |                   |
| 10 -       | 2.0  | Fine Gravel      | 2.2               |
| 18 -       | 1.0  | Very Coarse Sand | 4.9               |
| 35 -       | .500 | Coarse Sand      | 16.0              |
| 60 -       | .250 | Medium Sand      | 34.2              |
| 100 -      | .150 | Fine Sand        | 10.4              |
| 140 -      | .106 | Very Fine Sand   | 4.4               |
| 270 -      | .053 | Very Fine Sand   | 6.1               |

---



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

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

Valleybrook Country Club  
200 Golfview Drive  
Little Silver, NJ 07739

File Number: 55399

Date Received/Started : 4/25/2016  
Date Completed/Reported: 4/27/2016

Submitted By: Soil and Water Consulting

---

|                    |                                                |
|--------------------|------------------------------------------------|
| Lab Number         | 0002                                           |
| Sample Description | GREEN                                          |
|                    | 1 BELOW                                        |
|                    | 5.5"                                           |
| Sample Condition   | <u>XX</u> Normal      ___ Other (see comments) |

---

**Method References**

|                       |      |
|-----------------------|------|
| ASTM F1632            | 0.05 |
| ASTM F1647 - Method A | 0.33 |

---

---

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

Valleybrook Country Club  
200 Golfview Drive  
Little Silver, NJ 07739

File Number : 55399  
\*\* Date of Analysis \*\*  
Start Date : 4/25/2016  
Completed : 4/27/2016

Submitted By: Soil and Water Consulting

---

|                    |         |
|--------------------|---------|
| Lab Number         | 0002    |
| Sample Description | GREEN   |
|                    | 1 BELOW |
|                    | 5.5"    |

---

### Particle Size Analysis

---

|        |                |   |       |
|--------|----------------|---|-------|
| Clay   | <.002mm        | % | 4.90  |
| Silt   | .002mm - .05mm | % | 21.80 |
| Sand   | .05mm - 2.00mm | % | 70.9  |
| Gravel | > 2.0mm        | % | 2.4   |

---

|                         |      |
|-------------------------|------|
| Org Mat 360 deg C (LOI) | 1.17 |
|-------------------------|------|

---

### Sand Fractions

---

| Sieve Size |      |                  | <u>% Retained</u> |
|------------|------|------------------|-------------------|
| #          | mm   |                  |                   |
| 10 -       | 2.0  | Fine Gravel      | 2.4               |
| 18 -       | 1.0  | Very Coarse Sand | 7.8               |
| 35 -       | .500 | Coarse Sand      | 17.2              |
| 60 -       | .250 | Medium Sand      | 18.5              |
| 100 -      | .150 | Fine Sand        | 8.5               |
| 140 -      | .106 | Very Fine Sand   | 6.1               |
| 270 -      | .053 | Very Fine Sand   | 12.9              |

---