

# BROOKSIDE LABORATORIES, INC.

## SATURATED SOIL ANALYSIS

Canyon Gate Country Club  
2001 Canyon Gate Drive  
Las Vegas, NV 89117

File Number: 46715  
Date Received: 10/10/2024  
Date Reported: 10/15/2024

Submitted By: Soil and Water Consulting

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|             |      |
|-------------|------|
| Lab Number  | 0050 |
| Description | TEE  |
|             | 2    |

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|    |     |
|----|-----|
| pH | 8.1 |
|----|-----|

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|                 | (ppm)  | meq/l | % | (ppm) | meq/l | % |
|-----------------|--------|-------|---|-------|-------|---|
| Soluble Salts * | 343    |       |   |       |       |   |
| Chloride        | 33     |       |   |       |       |   |
| Nitrate (NO3-N) | 17.1   |       |   |       |       |   |
| Bicarbonate     | 133.03 |       |   |       |       |   |

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|            |       |      |       |  |  |  |
|------------|-------|------|-------|--|--|--|
| Sulfur     | 16.18 |      |       |  |  |  |
| Phosphorus | 2.80  |      |       |  |  |  |
| Calcium    | 53.05 | 2.65 | 45.66 |  |  |  |
| Magnesium  | 22.89 | 1.88 | 32.47 |  |  |  |
| Potassium  | 12.42 | 0.32 | 5.48  |  |  |  |
| Sodium     | 21.86 | 0.95 | 16.39 |  |  |  |
| TOTAL      |       | 5.80 | 100   |  |  |  |

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|                  |       |
|------------------|-------|
| Boron            | 0.04  |
| Iron             | 2.92  |
| Manganese        | 0.07  |
| Copper           | 0.05  |
| Zinc             | 0.04  |
| Aluminum         | 5.43  |
| Ammonium (NH4-N) | < 0.5 |

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|                  |       |
|------------------|-------|
| ESP (calculated) | < .01 |
| SAR (calculated) | 0.63  |

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\* Soluble Salts: mmhos/cm = ppm / 640

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|             |         |
|-------------|---------|
| Lab Number  | 0051    |
| Description | FAIRWAY |
|             | 2       |

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|    |     |
|----|-----|
| pH | 8.1 |
|----|-----|

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|                  | (ppm)  | meq/l | %     | (ppm) | meq/l | % |
|------------------|--------|-------|-------|-------|-------|---|
| Soluble Salts *  | 918    |       |       |       |       |   |
| Chloride         | 230    |       |       |       |       |   |
| Nitrate (NO3-N)  | 30.9   |       |       |       |       |   |
| Bicarbonate      | 193.20 |       |       |       |       |   |
| Sulfur           | 58.47  |       |       |       |       |   |
| Phosphorus       | 3.61   |       |       |       |       |   |
| Calcium          | 147.77 | 7.37  | 45.67 |       |       |   |
| Magnesium        | 62.36  | 5.13  | 31.76 |       |       |   |
| Potassium        | 44.69  | 1.14  | 7.08  |       |       |   |
| Sodium           | 57.50  | 2.50  | 15.48 |       |       |   |
| TOTAL            |        | 16.15 | 100   |       |       |   |
| Boron            | 0.12   |       |       |       |       |   |
| Iron             | 1.14   |       |       |       |       |   |
| Manganese        | 0.03   |       |       |       |       |   |
| Copper           | 0.04   |       |       |       |       |   |
| Zinc             | 0.02   |       |       |       |       |   |
| Aluminum         | 2.09   |       |       |       |       |   |
| Ammonium (NH4-N) | 1.8    |       |       |       |       |   |
| ESP (calculated) | 0.21   |       |       |       |       |   |
| SAR (calculated) | 1.00   |       |       |       |       |   |

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|                  |        |       |       |        |       |       |  |
|------------------|--------|-------|-------|--------|-------|-------|--|
| Lab Number       | 0052   |       |       | 0053   |       |       |  |
| Description      | GREEN  |       |       | GREEN  |       |       |  |
|                  | 2      |       |       | 11     |       |       |  |
| pH               | 8.1    |       |       | 8.1    |       |       |  |
|                  | (ppm)  | meq/l | %     | (ppm)  | meq/l | %     |  |
| Soluble Salts *  | 254    |       |       | 241    |       |       |  |
| Chloride         | 23     |       |       | 22     |       |       |  |
| Nitrate (NO3-N)  | 3.9    |       |       | 1.6    |       |       |  |
| Bicarbonate      | 95.39  |       |       | 103.23 |       |       |  |
| Sulfur           | 19.02  |       |       | 20.13  |       |       |  |
| Phosphorus       | 2.08   |       |       | 2.35   |       |       |  |
| Calcium          | 35.86  | 1.79  | 45.65 | 31.40  | 1.57  | 41.28 |  |
| Magnesium        | 13.24  | 1.09  | 27.78 | 12.22  | 1.00  | 26.47 |  |
| Potassium        | 11.63  | 0.30  | 7.59  | 13.26  | 0.34  | 8.93  |  |
| Sodium           | 17.11  | 0.74  | 18.98 | 20.35  | 0.88  | 23.31 |  |
| TOTAL            |        | 3.92  | 100   |        | 3.80  | 100   |  |
| Boron            | 0.06   |       |       | 0.05   |       |       |  |
| Iron             | 1.02   |       |       | 1.29   |       |       |  |
| Manganese        | 0.03   |       |       | 0.04   |       |       |  |
| Copper           | 0.03   |       |       | 0.03   |       |       |  |
| Zinc             | < 0.01 |       |       | < 0.01 |       |       |  |
| Aluminum         | 1.52   |       |       | 1.70   |       |       |  |
| Ammonium (NH4-N) | 1.3    |       |       | 2.2    |       |       |  |
| ESP (calculated) | < .01  |       |       | < .01  |       |       |  |
| SAR (calculated) | 0.62   |       |       | 0.78   |       |       |  |

\* Soluble Salts: mmhos/cm = ppm / 640