

lb/A

# BROOKSIDE LABORATORIES, INC.

## SOIL AUDIT AND INVENTORY REPORT

58200-43

Name El Caballero CC City Tarzana State CAIndependent Consultant Soil and Water Consulting Date 5/6/2025

|                                    |                          |                                                     |              |              |  |  |
|------------------------------------|--------------------------|-----------------------------------------------------|--------------|--------------|--|--|
| Sample Location                    | TEE                      | 5                                                   | 13           |              |  |  |
| Sample Identification              |                          |                                                     |              |              |  |  |
| Lab Number                         |                          | 1193-1                                              | 1194-1       |              |  |  |
| Total Exchange Capacity (ME/100 g) |                          | 9.64                                                | 10.19        |              |  |  |
| pH (H <sub>2</sub> O 1:1)          |                          | a 7.7                                               | a 7.5        |              |  |  |
| Organic Matter (360°C LOI) %       |                          | 1.91                                                | 2.73         |              |  |  |
| Estimated Nitrogen Release         | lb/A                     | 58                                                  | 75           |              |  |  |
| ANIONS                             | SOLUBLE SULFUR*          | ppm                                                 | 72           | 99           |  |  |
|                                    | MEHLICH III              | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |              |              |  |  |
|                                    | BRAY II                  | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |              |              |  |  |
|                                    | OLSEN                    | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P | 115<br>25    | 105<br>23    |  |  |
| EXCHANGEABLE<br>CATIONS            | CALCIUM*                 | lb/A<br>ppm                                         | 3128<br>1564 | 3256<br>1628 |  |  |
|                                    | MAGNESIUM*               | lb/A<br>ppm                                         | 184<br>92    | 228<br>114   |  |  |
|                                    | POTASSIUM*               | lb/A<br>ppm                                         | 334<br>167   | 340<br>170   |  |  |
|                                    | SODIUM*                  | lb/A<br>ppm                                         | 122<br>61    | 124<br>62    |  |  |
|                                    |                          |                                                     |              |              |  |  |
| BASE SATURATION PERCENT            |                          |                                                     |              |              |  |  |
|                                    | Calcium                  | %                                                   | 81.12        | 79.88        |  |  |
|                                    | Magnesium                | %                                                   | 7.95         | 9.32         |  |  |
|                                    | Potassium                | %                                                   | 4.44         | 4.28         |  |  |
|                                    | Sodium                   | %                                                   | 2.75         | 2.65         |  |  |
|                                    | Other Bases              | %                                                   | 3.70         | 3.90         |  |  |
|                                    | Hydrogen                 | %                                                   | 0.00         | 0.00         |  |  |
| EXTRACTABLE MINORS                 |                          |                                                     |              |              |  |  |
|                                    | Boron** (ppm)            |                                                     | 0.99         | 1.19         |  |  |
|                                    | Iron** (ppm)             |                                                     | 118          | 279          |  |  |
|                                    | Manganese** (ppm)        |                                                     | 30           | 29           |  |  |
|                                    | Copper** (ppm)           |                                                     | 1.53         | 2.00         |  |  |
|                                    | Zinc** (ppm)             |                                                     | 12.36        | 14.29        |  |  |
|                                    | Aluminum** (ppm)         |                                                     | 13           | 106          |  |  |
| OTHER<br>TESTS                     | Soluble Salts (mmhos/cm) |                                                     |              |              |  |  |
|                                    | Chlorides (ppm)          |                                                     |              |              |  |  |
|                                    | NO <sub>3</sub> -N (ppm) |                                                     | 14.2         | 10.5         |  |  |
|                                    | NH <sub>4</sub> -N (ppm) |                                                     | 1.3          | 2.9          |  |  |

a - alkaline soil

\* Ammonium Acetate Extractable (pH of 8.1)

\*\* Mehlich III Extractable

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|                                    |                          |                                                     |                  |              |  |  |
|------------------------------------|--------------------------|-----------------------------------------------------|------------------|--------------|--|--|
| Sample Location                    | FAIRWAY                  | 5                                                   | 13               |              |  |  |
| Sample Identification              |                          |                                                     |                  |              |  |  |
| Lab Number                         |                          | 1195-1                                              | 1196-1           |              |  |  |
| Total Exchange Capacity (ME/100 g) |                          | 14.56                                               | 18.73            |              |  |  |
| pH (H <sub>2</sub> O 1:1)          |                          | 7.1                                                 | <sup>a</sup> 7.5 |              |  |  |
| Organic Matter (360°C LOI) %       |                          | 5.10                                                | 6.49             |              |  |  |
| Estimated Nitrogen Release lb/A    |                          | 100                                                 | 107              |              |  |  |
| ANIONS                             | SOLUBLE SULFUR*          | ppm                                                 | 36               | 88           |  |  |
|                                    | MEHLICH III              | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |                  |              |  |  |
|                                    | BRAY II                  | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |                  |              |  |  |
|                                    | OLSEN                    | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P | 192<br>42        | 174<br>38    |  |  |
| EXCHANGEABLE<br>CATIONS            | CALCIUM*                 | lb/A<br>ppm                                         | 4352<br>2176     | 5556<br>2778 |  |  |
|                                    | MAGNESIUM*               | lb/A<br>ppm                                         | 424<br>212       | 572<br>286   |  |  |
|                                    | POTASSIUM*               | lb/A<br>ppm                                         | 760<br>380       | 692<br>346   |  |  |
|                                    | SODIUM*                  | lb/A<br>ppm                                         | 144<br>72        | 388<br>194   |  |  |
| BASE SATURATION PERCENT            |                          |                                                     |                  |              |  |  |
|                                    | Calcium                  | %                                                   | 74.73            | 74.16        |  |  |
|                                    | Magnesium                | %                                                   | 12.13            | 12.72        |  |  |
|                                    | Potassium                | %                                                   | 6.69             | 4.74         |  |  |
|                                    | Sodium                   | %                                                   | 2.15             | 4.50         |  |  |
|                                    | Other Bases              | %                                                   | 4.30             | 3.90         |  |  |
|                                    | Hydrogen                 | %                                                   | 0.00             | 0.00         |  |  |
| EXTRACTABLE MINORS                 |                          |                                                     |                  |              |  |  |
|                                    | Boron** (ppm)            |                                                     | 1.53             | 2.30         |  |  |
|                                    | Iron** (ppm)             |                                                     | 299              | 204          |  |  |
|                                    | Manganese** (ppm)        |                                                     | 37               | 22           |  |  |
|                                    | Copper** (ppm)           |                                                     | 3.01             | 2.57         |  |  |
|                                    | Zinc** (ppm)             |                                                     | 19.87            | 17.34        |  |  |
|                                    | Aluminum** (ppm)         |                                                     | 133              | 26           |  |  |
| OTHER<br>TESTS                     | Soluble Salts (mmhos/cm) |                                                     |                  |              |  |  |
|                                    | Chlorides (ppm)          |                                                     |                  |              |  |  |
|                                    | NO <sub>3</sub> -N (ppm) |                                                     | 25.9             | 26.3         |  |  |
|                                    | NH <sub>4</sub> -N (ppm) |                                                     | 10.0             | 13.9         |  |  |

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|                                    |                          |                                                     |             |             |  |  |  |
|------------------------------------|--------------------------|-----------------------------------------------------|-------------|-------------|--|--|--|
| Sample Location <u>GREEN</u>       |                          |                                                     | 5           | 13          |  |  |  |
| Sample Identification              |                          |                                                     |             |             |  |  |  |
| Lab Number                         |                          |                                                     | 1197-1      | 1198-1      |  |  |  |
| Total Exchange Capacity (ME/100 g) |                          |                                                     | 4.69        | 3.91        |  |  |  |
| pH (H <sub>2</sub> O 1:1)          |                          |                                                     | a<br>8.0    | a<br>7.7    |  |  |  |
| Organic Matter (360°C LOI) %       |                          |                                                     | 0.64        | 0.73        |  |  |  |
| Estimated Nitrogen Release lb/A    |                          |                                                     | 26          | 29          |  |  |  |
| ANIONS                             | SOLUBLE SULFUR* ppm      |                                                     | 16          | 10          |  |  |  |
|                                    | MEHLICH III              | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |             |             |  |  |  |
|                                    | BRAY II                  | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |             |             |  |  |  |
|                                    | OLSEN                    | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P | 32<br>7     | 50<br>11    |  |  |  |
| EXCHANGEABLE<br>CATIONS            | CALCIUM*                 |                                                     | 1456<br>ppm | 1140<br>ppm |  |  |  |
|                                    | MAGNESIUM*               |                                                     | 124<br>ppm  | 140<br>ppm  |  |  |  |
|                                    | POTASSIUM*               |                                                     | 148<br>ppm  | 134<br>ppm  |  |  |  |
|                                    | SODIUM*                  |                                                     | 84<br>ppm   | 74<br>ppm   |  |  |  |
|                                    |                          |                                                     | 42          | 37          |  |  |  |
|                                    | BASE SATURATION PERCENT  |                                                     |             |             |  |  |  |
|                                    | Calcium                  | %                                                   | 77.61       | 72.89       |  |  |  |
|                                    | Magnesium                | %                                                   | 11.02       | 14.92       |  |  |  |
|                                    | Potassium                | %                                                   | 4.05        | 4.39        |  |  |  |
|                                    | Sodium                   | %                                                   | 3.89        | 4.11        |  |  |  |
|                                    | Other Bases              | %                                                   | 3.40        | 3.70        |  |  |  |
|                                    | Hydrogen                 | %                                                   | 0.00        | 0.00        |  |  |  |
| EXTRACTABLE MINORS                 |                          |                                                     |             |             |  |  |  |
| Boron** (ppm)                      |                          |                                                     | 0.62        | 0.58        |  |  |  |
| Iron** (ppm)                       |                          |                                                     | 48          | 54          |  |  |  |
| Manganese** (ppm)                  |                          |                                                     | 20          | 29          |  |  |  |
| Copper** (ppm)                     |                          |                                                     | 0.33        | 0.58        |  |  |  |
| Zinc** (ppm)                       |                          |                                                     | 3.17        | 4.45        |  |  |  |
| Aluminum** (ppm)                   |                          |                                                     | 40          | 48          |  |  |  |
| OTHER<br>TESTS                     | Soluble Salts (mmhos/cm) |                                                     |             |             |  |  |  |
|                                    | Chlorides (ppm)          |                                                     |             |             |  |  |  |
|                                    | NO <sub>3</sub> -N (ppm) |                                                     | 0.6         | 1.0         |  |  |  |
|                                    | NH <sub>4</sub> -N (ppm) |                                                     | < 0.5       | 0.8         |  |  |  |
|                                    |                          |                                                     |             |             |  |  |  |

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|                                    |                          |                                                     |         |          |          |  |
|------------------------------------|--------------------------|-----------------------------------------------------|---------|----------|----------|--|
| Sample Location                    | GREEN                    | 15                                                  | 1       | ENTER-   |          |  |
| Sample Identification              |                          |                                                     |         | TAINMENT |          |  |
| Lab Number                         |                          | 1199-1                                              | 1200-1  | 1201-1   |          |  |
| Total Exchange Capacity (ME/100 g) |                          | 3.31                                                | 4.18    | 4.61     |          |  |
| pH (H <sub>2</sub> O 1:1)          |                          | a 8.0                                               | a 8.0   | a 7.8    |          |  |
| Organic Matter (360°C LOI) %       |                          | 0.79                                                | 0.64    | 0.60     |          |  |
| Estimated Nitrogen Release lb/A    |                          | 32                                                  | 26      | 24       |          |  |
| ANIONS                             | SOLUBLE SULFUR*          | ppm                                                 | 8       | 11       | 14       |  |
|                                    | MEHLICH III              | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |         |          |          |  |
|                                    | BRAY II                  | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |         |          |          |  |
|                                    | OLSEN                    | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P | 27<br>6 | 41<br>9  | 46<br>10 |  |
| EXCHANGEABLE<br>CATIONS            | CALCIUM*                 | lb/A                                                | 974     | 1288     | 1398     |  |
|                                    |                          | ppm                                                 | 487     | 644      | 699      |  |
|                                    | MAGNESIUM*               | lb/A                                                | 116     | 116      | 146      |  |
|                                    |                          | ppm                                                 | 58      | 58       | 73       |  |
|                                    | POTASSIUM*               | lb/A                                                | 112     | 152      | 128      |  |
|                                    |                          | ppm                                                 | 56      | 76       | 64       |  |
|                                    | SODIUM*                  | lb/A                                                | 62      | 66       | 80       |  |
|                                    |                          | ppm                                                 | 31      | 33       | 40       |  |
| BASE SATURATION PERCENT            |                          |                                                     |         |          |          |  |
|                                    | Calcium                  | %                                                   | 73.56   | 77.03    | 75.81    |  |
|                                    | Magnesium                | %                                                   | 14.60   | 11.56    | 13.20    |  |
|                                    | Potassium                | %                                                   | 4.34    | 4.66     | 3.56     |  |
|                                    | Sodium                   | %                                                   | 4.07    | 3.43     | 3.77     |  |
|                                    | Other Bases              | %                                                   | 3.40    | 3.40     | 3.60     |  |
|                                    | Hydrogen                 | %                                                   | 0.00    | 0.00     | 0.00     |  |
| EXTRACTABLE MINORS                 |                          |                                                     |         |          |          |  |
|                                    | Boron** (ppm)            |                                                     | 0.61    | 0.55     | 0.58     |  |
|                                    | Iron** (ppm)             |                                                     | 58      | 38       | 49       |  |
|                                    | Manganese** (ppm)        |                                                     | 31      | 30       | 28       |  |
|                                    | Copper** (ppm)           |                                                     | 0.59    | 0.49     | 0.41     |  |
|                                    | Zinc** (ppm)             |                                                     | 4.21    | 3.16     | 2.78     |  |
|                                    | Aluminum** (ppm)         |                                                     | 53      | 33       | 51       |  |
| OTHER<br>TESTS                     | Soluble Salts (mmhos/cm) |                                                     |         |          |          |  |
|                                    | Chlorides (ppm)          |                                                     |         |          |          |  |
|                                    | NO <sub>3</sub> -N (ppm) |                                                     | 1.0     | 1.4      | 0.5      |  |
|                                    | NH <sub>4</sub> -N (ppm) |                                                     | 1.3     | 1.0      | 1.1      |  |

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