



## IN-PLACE DENSITY: K50055

**CLIENT:** WOODLAND OAKS LLC  
656 BAYBERRY LN, STE 101  
LEE'S SUMMIT, MO 64063

**REPORT NO:** K50055  
**REPORT DATE:** 11/30/2022  
**SERVICE DATE:** 11/21/2022

**PROJECT:** R20-22-093  
WOODLAND OAKS FINAL PLAT

**AUTHORIZATION:**  
**CONTRACTOR:**

**SERVICES:** Perform in-place density and moisture content tests to determine the degree of field compaction.

### Gauge

| Type         | Serial No. | Test Mode           | Density Current | Density Previous | Moisture Current | Moisture Previous |
|--------------|------------|---------------------|-----------------|------------------|------------------|-------------------|
| TROXLER 3440 | 22322      | Direct Transmission | 1818            | 1794             | 683              | 690               |

### Requirements

|   | Density Method | Density Specification | Moisture Method | Moisture Specification |
|---|----------------|-----------------------|-----------------|------------------------|
| A | ASTM D6938     | >=95%                 | ASTM D3017      | 0                      |

### Test Proctors

| No. | Test Type        | Material | Optimum Moisture | Max Density | Reference |
|-----|------------------|----------|------------------|-------------|-----------|
| 1   | STANDARD PROCTOR | MoDOT 5  | 9.7%             | 130.7 pcf   | Client1   |



## Results

| No. | Location                               | Probe Depth | Lift/Elev | Proctor | Field Moist. | Opt. Moist. | Moist. Result (Req.) | Dry Density (pcf) | Max Density (pcf) | Compaction % | Density Result (Req.) |
|-----|--|-------------|-----------|---------|--------------|-------------|----------------------|-------------------|-------------------|--------------|-----------------------|
| 1   | Woodland Oak Dr STA 4+25 8' Lf CL      | 4           | 1st lft   | 1       | 5.7%         | 9.7%        | Pass (A)             | 132.0             | 130.7             | 101%         | Pass (A)              |
| 2   | Woodland Oak Dr STA 4+10 10' Rt CL     | 4           | 1st       | 1       | 5.0%         | 9.7%        | Pass (A)             | 126.6             | 130.7             | 97%          | Pass (A)              |
| 3   | Woodland Oak Drive STA 2+00 4' Rt CL   | 4           | 1st       | 1       | 6.0%         | 9.7%        | Pass (A)             | 130.4             | 130.7             | 100%         | Pass (A)              |
| 4   | Woodland Oak Drive STA 2+75 6' Lf CL   | 4           | 1st       | 1       | 7.3%         | 9.7%        | Pass (A)             | 124.4             | 130.7             | 95%          | Pass (A)              |
| 5   | NE Cherry Bark Ct STA 4+10 4' Lf CL    | 4           | 1st       | 1       | 6.7%         | 9.7%        | Pass (A)             | 128.1             | 130.7             | 98%          | Pass (A)              |
| 6   | NE Cherry Bark Ct STA 4+25 6'Rt CL     | 4           | 1st       | 1       | 6.4%         | 9.7%        | Pass (A)             | 130.2             | 130.7             | 100%         | Pass (A)              |
| 7   | NE Cherry Bark Ct center of Cul De Sac | 4           | 1st       | 1       | 7.6%         | 9.7%        | Pass (A)             | 135.9             | 130.7             | 104%         | Pass (A)              |
| 8   | Woodland Oak Dr STA 6+75 6' Lf CL      | 4           | 1st       | 1       | 9.2%         | 9.7%        | Pass (A)             | 132.6             | 130.7             | 101%         | Pass (A)              |
| 9   | Woodland Oak Dr STA 6+60 8' Rgt CL     | 4           | 1st       | 1       | 7.4%         | 9.7%        | Pass (A)             | 130.9             | 130.7             | 100%         | Pass (A)              |
| 10  | NE Lash Brook STA 9+75 4' lf CL        | 4           | 1st       | 1       | 6.3%         | 9.7%        | Pass (A)             | 136.0             | 130.7             | 104%         | Pass (A)              |
| 11  | NE Lash Brook STA 1+25 8' Rgt CL       | 4           | 1st       | 1       | 7.9%         | 9.7%        | Pass (A)             | 131.9             | 130.7             | 101%         | Pass (A)              |
| 12  | NELad Brook STA 2+70 7' Rgt CL         | 4           | 1st       | 1       | 8.8%         | 9.7%        | Pass (A)             | 129.8             | 130.7             | 99%          | Pass (A)              |
| 13  | NE Cherry Brook STA 3+25 4' Lf CL      | 4           | 1st       | 1       | 7.9%         | 9.7%        | Pass (A)             | 132.4             | 130.7             | 101%         | Pass (A)              |

**TECHNICIAN:** ERIC HOWARD  
 CME TECHNICIAN III

**REPORT DISTRIBUTION:**  
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