# Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
Laboratories

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## REPORT OF IN-PLACE DENSITY TEST

**JOB NO.:** 24-00560-01
**DATE TESTED:** 11/7/2024
**DATE REPORTED:** 11/15/2024

| | |
|---|---|
| **PROJECT:** | 47 Development, Lake City, FL |
| **CLIENT:** | Plumb Level Construction, 232 Chadley Lane, Lake City, FL 32055 |
| **GENERAL CONTRACTOR:** | Plumb Level Construction |
| **EARTHWORK CONTRACTOR:** | Plumb Level Construction |
| **INSPECTOR:** | C. Williams |

| ASTM METHOD | SOIL USE |
|---|---|
| (D-6938) Nuclear | BUILDING FILL |

**SPECIFIED REQUIREMENTS:** 95%

| TEST NO. | | TEST LOCATION | TEST DEPTH | WET DENSITY (lb/ft³) | MOISTURE PERCENT | DRY DENSITY (lb/ft³) | PROCTOR TEST NO. | PROCTOR VALUE | % MAXIMUM DENSITY |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 35 ft. East & 10 ft. South from Northwest Corner of Pad | 12" | 116.5 | 10.8 | 105.1 | 1 | 106.0 | 99% |
| 2 | | Center of Pad | 12" | 119.2 | 11.3 | 107.1 | 1 | 106.0 | 101% |
| 3 | | 30 ft. West & 15 ft. North from Southeast Corner of Pad | 12" | 119.8 | 11.7 | 107.3 | 1 | 106.0 | 101% |
| 4 | | 20 ft. South from Northeast Corner of Footers | 12" | 112.4 | 8.7 | 103.4 | 1 | 106.0 | 98% |
| 5 | | 50 ft. West from Southeast Corner of Footers | 12" | 112.0 | 9.9 | 101.9 | 1 | 106.0 | 96% |
| 6 | | 25 ft. North from Southwest Corner of Footers | 12" | 115.0 | 9.7 | 104.8 | 1 | 106.0 | 99% |
| 7 | | 55 ft. East from Northwest Corner of Footers | 12" | 115.5 | 10.4 | 104.6 | 1 | 106.0 | 99% |

**REMARKS:** The Above Tests Meet Specified Requirements.

**PROCTORS**

| PROCTOR NO. | | SOIL DESCRIPTION | MAXIMUM DRY UNIT WEIGHT (lb/ft³) | OPT. MOIST. | TYPE |
|---|---|---|---|---|---|
| 1 | | Light Brown Sand (SP) (Refer to CTI Job No.: 17-00603-01, Sample S002) | 106.0 | 12.1 | MODIFIED (ASTM D-1557) |

*Respectfully Submitted,*
**CAL-TECH TESTING, INC.**

**Reviewed By:** 11/15/24
**Date:**
**Licensed Florida No:** 65550

IVAN E. MARCANO LICENSE No. 65550 STATE OF FLORIDA PROFESSIONAL ENGINEER
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