



- Engineering
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## Cal-Tech Testing, Inc.

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# 43312

JOB NO.: 22-00059-01

### REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 2/9/2022

DATE REPORTED: 2/9/2022

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| PROJECT:                    | 194 S.W. Guinenevre Way, Lake City, FL                                 |
| CLIENT:                     | Cornerstone Developers, LLC, 180 NW Amenity Court, Lake City, FL 32055 |
| GENERAL CONTRACTOR:         | Cornerstone Developers, LLC                                            |
| EARTHWORK CONTRACTOR:       | Cornerstone Developers, LLC                                            |
| INSPECTOR:                  | I. Carignan                                                            |
| ASTM METHOD                 | SOIL USE                                                               |
| (D-6938) Nuclear            | BUILDING FILL                                                          |
| SPECIFIED REQUIREMENTS: 95% |                                                                        |

| TEST NO. | TEST LOCATION                                           | TEST DEPTH | WET DENSITY (lb/ft <sup>3</sup> ) | MOISTURE PERCENT | DRY DENSITY (lb/ft <sup>3</sup> ) | PROCTOR TEST NO. | PROCTOR VALUE | % MAXIMUM DENSITY |
|----------|---------------------------------------------------------|------------|-----------------------------------|------------------|-----------------------------------|------------------|---------------|-------------------|
| 1        | 2 ft. South & 21 ft. West from Northeast Corner of Pad  | 12"        | 114.1                             | 3.7              | 110.0                             | 1                | 111.4         | 99%               |
| 2        | 17 ft. South & 11 ft. West from Northeast Corner of Pad | 12"        | 115.6                             | 3.7              | 111.5                             | 1                | 111.4         | 100%              |
| 3        | 8 ft. North & 16 ft. East from Southwest Corner of Pad  | 12"        | 115.2                             | 8.2              | 106.5                             | 1                | 111.4         | 96%               |

REMARKS:

The Above Tests Meet Specified Requirements.

| PROCTORS    |                                                                           |                                               |             |                        |
|-------------|---------------------------------------------------------------------------|-----------------------------------------------|-------------|------------------------|
| PROCTOR NO. | SOIL DESCRIPTION                                                          | MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> ) | OPT. MOIST. | TYPE                   |
| 1           | Gray Sand with Silt (SP-SM) (Refer to CTI Job No.: 21-00443-01, Sample 1) | 111.4                                         | 12.3        | MODIFIED (ASTM D-1557) |

Respectfully Submitted,  
CAL-TECH TESTING, INC.

Reviewed By:

Date:

Licensed, Florida No: 65550



The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data. This report shall not be reproduced without prior approval of the author.