

**SECTION 01400 – TESTING****1.0 GENERAL**

- 1.01 Related Documents: The General Provisions of the Contract, including the General and Supplementary General Conditions and General Requirements, apply to the work specified in this Section.
- 1.02 Extent: This Section covers the testing of all areas in foundation and mechanical trenches, paved areas and areas under slabs on grade.
- 1.03 Refer to individual sections of the specifications for specific testing requirements unique to the individual building components.

**2.0 TESTING LABORATORY SERVICE**

- 2.01 A certified testing laboratory will be employed by the Owner and coordinated by the Contractor to perform inspections, concrete, asphalt and soil tests of the work specified under this Contract. The testing firm will be directly responsible to the Owner and Architect.
- 2.02 Water testing to be tested and certified as outlined in plumbing section of this Project Manual. Coordinate tie-in of system with owner's efforts.
- 2.03 Refer to section 00900 Special Conditions of this manual
- 2.04 The Contractor will be responsible for testing that would not be considered unique, testing associated with product approval, testing of products not identified in this project manual, Florida Product approval engineering to obtain required approval, testing and failed verifications of testing secured by the Owner and testing not deemed reasonable.

**3.0 DENSITY TESTS**

- 3.01 Soil compaction shall occur in the top 10" of all building pads, foundation, and mechanical excavations as specified herein to a minimum of 98% of the maximum dry density, as determined through laboratory testing ASTM D-1557-66T, in-place density testing shall be made, to ensure that this value has been met.
- 3.02 In-place density tests shall be in accordance with ASTM D-1556-64.

**4.0 GENERAL TESTING**

- 4.01 Site – Test densities every 50'-0". Every failed test will require a 50'-0" test each side of the failed test as well as a test at the initial failed test. If 30% or more failure rate is encountered, all testing will be a max 50'-0" for all work.
- 4.02 The retest documents must reflect the identification of all previous failed tests.
- 4.03 No paving, sidewalks or curbing is to be installed without clearance from the civil engineer.
- 4.04 Sewer lines shall not exceed more than one 1" dip per 1000'-0" of run. Gravity lines to be constant slope regardless of dip. Gravity line will be removed and replaced if found to

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deviate from the above requirements. Coordinate efforts with owner with respect to tie-ins to owner provided work.

- 4.05 All piping and floor drains are to be sealed tight until project is substantial. As part of the closeout documents, all sewer lines are to have water introduced and the lines verified via camera. Camera work is to be conducted with water flowing.

**5.0 PAYMENT FOR TESTING**

- 5.01 The Owner will pay for the required tests as specified herein, except that all failing tests and retests shall be paid by the Contractor. The Contractor shall be responsible for giving notice for test scheduling and providing assistance in conducting the testing.

**(END OF SECTION 01400)**