

SECTION 01450 - TESTING & INSPECTION REQUIREMENTS**PART 1 GENERAL****1.1 TESTING**

1. **Testing Required:** Testing shall be required for the following items of work in accordance with the Design and Construction Standards.
 - 1) Waterline bacteriological in accordance with Section 02510 – Water Distribution.
 - 2) Waterline leakage in accordance with Section 02080 – Utility Pipe and Materials.
 - 3) Force main leakage in accordance with Section 02080 – Utility Pipe and Materials.
 - 4) Gravity Sewer displacement and leakage in accordance with Section 02080 – Utility Pipe and Materials.
 - 5) Manhole leakage in accordance with Section 02080 – Utility Pipe and Materials.
 - 6) Backfill Compaction in accordance with Section 02317 – Execution.
2. **Payment:** The Contractor shall be responsible for coordination and payment of all sampling and testing by an independent testing laboratory for analysis of field samples. Testing performed exclusively for the Contractor's convenience shall be the sole responsibility of the Contractor. The Authority will be responsible for the cost of testing only when additional tests are made at the Authority's request for a line that has been previously tested and found to be acceptable.
3. **Re-Testing:** Should any test results be unacceptable, the Contractor will at no cost provide the repairs and additional testing necessary.
4. **Taking Samples:** All specimens and samples shall be taken and cured/prepared by the Authority's Representative or Independent Testing Laboratory Personnel.
5. **Qualifications:** Individuals taking and performing the field tests shall have the proper training and qualifications.
6. **Codes and Regulations:** All testing shall be performed in accordance with all pertinent codes, regulations and standards.

1.2 INSPECTION

1. **Inspection Required:** Inspection by the Authority's Inspection Department shall be required for all work requiring a connection, modification of grades, or installation of other utilities in proximity to the Authority's existing utilities. Inspection shall also be required on installations that are to be dedicated to the Authority.
2. **Pre-Construction Meeting:** Prior to construction of any approved plans designating line extensions to be dedicated to the Authority, a pre-construction meeting must be held with the Authority's Representative and Engineer in accordance with the ACSA OPPM Policy No. 10.10.
3. **Payment:** All Inspection Services shall be performed by Authority Representatives. The Developer shall be responsible for the payment of Inspection fees prior to plan approval.

1.3 CODE COMPLIANCE INSPECTION & TESTING

1. General: Inspections and testing required by codes or ordinances, a planning authority, or which are made by a legally constituted authority shall be the responsibility of and shall be paid for by the Contractor, unless otherwise provided for in the Design and Construction Standards or OPPM.

PART 2 PRODUCTS**2.1 EQUIPMENT**

1. Equipment: The Contractor shall be responsible for supplying all necessary equipment required for proper testing. The Authority shall be permitted to temporarily install its own gages when deemed necessary by the Authority's Representative. Any gage used for testing shall be UL listed and shall be calibrated on a regular basis.

PART 3 EXECUTION**3.1 CONNECTION TO EXISTING SYSTEM**

1. Newly constructed valves and/or pipes to be connected to the Authority system shall remain closed and/or disconnected pending "Substantial Completion" in accordance with the ACSA OPPM Policy No. 10.10. A Final Inspection will be required in accordance with ACSA OPPM Policy No. 10.10.

3.2 SCHEDULE FOR TESTING

1. Schedule: The Contractor shall schedule testing with the Authority's Representative at least 48 hours in advance.

END OF SECTION