

SECTION 01410 – TESTING LABORATORY SERVICES

PART 1 – GENERAL

1.1 DESCRIPTION

- A. The CONTRACTOR shall be responsible and pay for an independent testing laboratory to perform the specified services.
- B. Inspection, sampling and testing shall be as specified in the individual Technical Specifications Sections and as specified in the Water Utilities Manual.
- C. Water system testing and sampling will be in accordance with the Water Utilities Manual and will be at the CONTRACTOR's expense.
- C. The testing laboratory is not authorized to approve or accept any portion of the work; rescind, alter or augment the requirements of the Contract Documents; or perform any duties of the CONTRACTOR.

1.2 RELATED SECTIONS SPECIFIED ELSEWHERE

- A. Section 01300 – Record Drawings and Submittals

1.3 QUALIFICATIONS OF LABORATORY

- A. Where applicable, the testing laboratory will meet "Recommended Requirements for Independent Laboratory Qualification", latest edition, published by American Council of Independent Laboratories and the basic requirements of ASTM E 329 "Standards of Recommended Practice for Inspection and Testing Agencies for Concrete and Steel as Used in Construction".
- B. Testing equipment used by the laboratory will be calibrated at maximum twelve (12) month intervals by devices of accuracy traceable to either National Bureau of Standards or accepted values of natural physical constants.

1.4 LABORATORY DUTIES

- A. The testing laboratory will:
 - 1. Perform specified inspections, sampling and testing of materials and methods of construction; comply with applicable standards; ascertain compliance with requirements of Contract Documents.
 - 2. Promptly notify AGENCY and CONTRACTOR of irregularities or deficiencies of work which are observed during performance of services.
 - 3. Promptly submit five (5) copies of reports of inspections and tests to AGENCY, including:
 - a. Date issued.
 - b. Project title and number.

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- c. Testing laboratory name and address.
- d. Date of inspection or sampling.
- e. Record of temperature and weather.
- f. Date of test.
- g. Identification of product and Specification Section.
- h. Location in Project.
- i. Type of inspection or test.
- j. Results of tests and observations regarding compliance with Contract Documents.

- 4. Perform additional tests and services as required by AGENCY.

1.5 CONTRACTOR'S RESPONSIBILITIES

- A. Cooperate with laboratory personnel; provide access to work and to manufacturer's operations.
- B. Provide to laboratory, preliminary representative samples of materials to be tested, in required quantities.
- C. Furnish copies of product test reports.
- D. Provide to the laboratory the preliminary design mix proposed for concrete, and other material mixes that require testing by the testing laboratory.
- E. Furnish labor and facilities:
 - 1. To provide access to work to be tested.
 - 2. To obtain and handle samples at the site.
 - 3. To facilitate inspections and tests.
 - 4. For laboratory's exclusive use for storage and curing of test samples.
 - 5. Forms for preparing concrete cylinders.
- F. Notify laboratory and AGENCY a minimum forty eight (48) hours in advance of operations to allow for assignment of personnel and scheduling of tests.
- G. Arrange with laboratory and pay for, additional samples and tests as required.

PART 2 – MATERIALS (NOT USED)

PART 3 – EXECUTION (NOT USED)

****END OF SECTION****