

SECTION 01010**SUMMARY OF WORK****PART 1 GENERAL**

1.01 SCOPE OF WORK

- A. This Section describes the project in general, and provides an overview of the extent of the work to be performed under this Contract. Detailed requirements and extent of work is stated in the applicable Specification sections and shown on the Plans. The Contractor shall, except as otherwise specifically stated herein or in any applicable parts of the Contract Documents, provide and pay for all labor, materials, equipment, tools, construction equipment, and other facilities and services necessary for proper execution, testing, and completion of the work under this Contract.

1.02 CONSENT DECREE PROJECT

- A. The Contractor is made aware that this is a **Consent Decree Project**, and **Stipulated Damages** may apply for failure to meet required completion dates.

1.03 SPECIFICATIONS

- A. The Specifications included in these Contract Documents establish the minimum performance and quality requirements for materials and equipment with the minimum standards for quality of the workmanship and appearance. Generally, there has been no attempt to separate the Specification sections into groups for the work of separate subcontractors, or for work to be performed by the various trades. Should there be any question as to the interpretation of any particular Specification section or part of Specification section, such question should be directed to the Department prior to the submittal of a proposal for the work under this Contract.
- B. The work shown on the Plans is intended to be comprehensive and descriptive, not an exact and complete representation of the actual finished work. Installed work shall include fittings, joints, supports, nuts, bolts, and all other accessories required to provide complete and satisfactory systems as specified, even though some items may not be specifically shown on the Plans.
- C. It is the intent of MD-WASD to obtain a complete functional, satisfactory and legally operable installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the Plans or stated herein. The Contractor shall provide all materials for the project unless they are specifically called out in these specifications as being supplied by the Department. The Contractor shall also supply all other labor, material or equipment

required to preclude damage to or loss of functionality of any existing facility or system.

- D. No request for additional compensation or Contract time (except for a non-compensable item extension at the sole discretion of the Engineer, whose decision shall be final) resulting from encountering utilities or structures not shown, or differing in location or elevation from that shown, will be considered. The Contractor shall explore sufficiently ahead of the Work to allow time for any necessary adjustments without delay to the progress of the installation. Cost due to delays occasioned by encountering utilities or structures which could have or should have been discovered by timely exploration ahead of the work shall rest solely with the Contractor.

1.04 REASONABLY IMPLIED PARTS OF THE WORK SHALL BE DONE THOUGH ABSENT FROM SPECIFICATIONS

- A. Any part of the work which is not mentioned in the Specifications but is shown on the Plans, or any part not shown on the Plans but described in the Specifications, or any part not shown on the Plans nor described in the Specifications, but which is necessary or normally required as a part of such work, or is necessary or required to make each installation satisfactorily and legally operable, shall be performed by the Contractor as incidental work without extra cost to MD-WASD, as if fully described in the Specifications and shown on the Plans, and the expense thereof shall be included in the applicable unit prices or lump sum bid for the work.

1.05 DESCRIPTION OF WORK

- A. The project consists of furnishing all materials, labor, and equipment necessary to Upgrade Sewage Pump Station No. XX, including, but not limited to, excavation, demolition and modification work including: Abandon existing dry well; Remove of dry well chimney; Remove of existing pumps, valves, piping, fittings, emergency discharge connection, existing sewer clean out plug, existing concrete slabs; existing wet well top slab; Remove and Replace in kind to match existing 6'(feet) wood fence; Remove and Relocate as required: palm trees, bush, existing water meter and connect line to existing service; existing RTU antenna, existing electric box, existing concrete slab for electrical service; Relocate as required existing back flow preventer unit and water faucet, existing plug valve; furnish, installation, operation, and removal of temporary sewage effluent by-pass pumps, equipment and accessories; furnish and install wet well concrete top slab / new valve vault structure concrete and concrete top slab; furnish and install aluminum access hatches for wet well and valve vault and emergency connection; furnish and install material for rehabilitation of existing Wet Well with a concrete protecting coating; furnish and install two (2) XX HP submersible pumps and related equipment; furnish and install bubbler control system and related equipment; furnish and install new meter and main disconnect; furnish and install the proposed power/control system inclusive of the necessary electrical panel, enclosure, telemetry system and related equipment; install electrical conduits and junction boxes; install R.T.U. panel and S.C.A.D.A. equipment furnished by the Department; electrical work;

mechanical work; furnish all materials, equipment and supplies necessary for pump station startup and testing; furnish and install sewage force main pipe and fittings; connection to existing sewage force main; replacement of any sod, sidewalk, pavement damaged during construction; site restoration; and other appurtenant and miscellaneous items for a complete, satisfactory and functional installation.

- B. Pumping Station No. XX is located at _____ in Section ___, Township ___, Range ___, Miami-Dade County, Florida.
- C. It is the intent of the department to obtain a complete and working installation under this Project and any items of labor, equipment or materials which may reasonably be assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the Plans or stated herein.

1.06 TESTING

- A. Testing procedures shall be submitted to the Engineer as Shop Drawings and will be subject to review and approval. The Department reserves the right to require test procedure and equipment changes and revisions to the extent considered appropriate by the Engineer whose decision shall be final. The Contractor is advised that all testing shall be carried out in accordance with the best practices of the trade, best management practices (bmp) and as recommended in writing by the engineering/technical/test staff of the manufacturer of the equipment and he should plan and price his test work accordingly. In no case will test recommendations of a manufacturer's sales or management groups be considered sufficient. All necessary temporary power sources, load banks, test materials, test instrumentation, qualified test personnel including manufacturer's representatives, fuels and lubricants shall be provided by the Contractor and shall be as approved by the Engineer and, if not approved, the Contractor shall change the item(s) to the satisfaction of the Engineer. Where required by the Engineer, testing shall be carried out utilizing Contractor-supplied power sources and load banks prior to any connection with FPL. The Contractor shall include in his prices bid all costs for testing and no extra compensation will be allowed.
- B. Factory testing of equipment is in all cases required and test data from these tests shall be provided to the Engineer prior to shipment. The Department will decide when to send its personnel or representatives to the factory for witness testing of equipment. Travel expenses for Department personnel or representatives are paid for by the Department. Repeat tests due to unsuccessful tests will be borne by the Contractor. To establish a base line, the Bidder will assume that any piece of equipment with an invoice cost to the Contractor of one hundred thousand dollars (\$100,000) or more will require witnessed testing. The MDWASD will in the Specifications try in all cases to note which items will require testing.
- C. On site testing shall conform to the protocol previously approved by the Engineer, and shall include testing and calibration prior to energizing of individual cubicles followed by testing and calibration as a whole system or group of systems. The Contractor shall supply all material, equipment, power, time, and fully qualified

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specialist personnel to perform all system integration work as necessary to provide systems that talk to one another and correctly react to one another, including systems that must communicate with, and react to existing systems, and systems being or to be installed by others. It is an absolute requirement that upon completion, all systems installed in the Work be able to correctly communicate and react to one another and to systems in existence, being or to be installed, external to the Work. Final testing and calibration will be performed with the equipment energized and will only take place when the Engineer is satisfied with the results of earlier tests. Full written reports of tests and results shall be furnished by the Contractor to the MD-WASD. All costs for this testing, calibration, system integration and reporting, including the costs for factory and specialist personnel required during testing, calibration and system integration, shall be included in the prices bid and no extra compensation will be allowed. Any delays or costs occasioned by test procedures or results not being satisfactory to the Engineer shall rest solely with the Contractor and no extra time or compensation will be allowed. All on site testing shall be witnessed by MD-WASD, and the Contractor shall make timely arrangements and fully coordinate tests with the Engineer.

- D. After installation is completed, the Contractor shall provide records of non-destructive electrical insulation tests performed by a certified institution approved by the Engineer, witnessed by MD-WASD personnel and attesting that the dielectric condition of the equipment and wiring is acceptable.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION