**SECTION 01010**

**SUMMARY OF WORK**

PART 1 – GENERAL

#### LOCATION OF WORK

All the work of this contract is located at the Marvin Braud Pumping Station in East Ascension Parish; located at 8300 LA Hwy 3140 Extension; St. Amant, LA 70774. The Storage Site for Contractor’s use for delivery and proper storage of all completed fabricated gates, catwalks, assemblies, and other equipment is located at the Marvin Braud Pumping Station, on the north end of the station. Owner shall identify and approve the limits of the planned storage area. There are some Owner furnished completed catwalk assemblies stored on site that the Contractor will have to install, in accordance with the plans and specifications under these contract documents.

#### WORK COVERED BY CONTRACT DOCUMENTS/REQUIREMENTS INCLUDES

* + 1. The Contractor shall furnish all labor, materials, equipment, tools, services, and incidentals to demolish, construct, install and complete all work as identified, described, and shown in these Contract Documents. The overall work shall include the following:
       1. Fabricate and install ten (10) vertical slide gates complete frames and lifting mechanisms at discharge end of Pump Bays 1 thru 5 of the pumping station.
       2. Fabricate and install four (4) complete back flow prevention gates at the discharge ends of pump bays six and seven. Also, furnish and install all lifting cable, sheaves, and winches, as shown on the Drawings.
       3. Remove and discard all existing exhaust systems for pump engines 1 thru 5; and install all new exhaust systems and supports; and remove and replace the air intake piping and filter boxes with new systems as configured and shown on the Drawings.
       4. Remove the existing metal engine housings for pump engines 1 thru 5 in the pumping station.
       5. Replace existing utilities and piping as identified on the Drawings and install new utilities as described on the Drawings and Specifications.
       6. Remove existing catwalks and reroute engine cooling water pipes on the discharge side of station at pump bays 1 thru 5; and replace with new offset catwalk assemblies as shown on the Drawings.
       7. Flood proof the pumping station on both the north and south ends of the pumping station as shown on the Drawings. Also included are flood proofing two existing gap areas located at the northwest corner and between the tank farm and pump number 7 on the south end.
       8. Remove existing septic tank, related equipment, piping and electrical power at south end of Tank Farm; and replace with a new septic system complete with necessary equipment, piping and electric power.
       9. Modifying the existing electrical system as shown on the Drawings and in Specifications.
       10. Installing a new electrical and conduit support rack across the Boat Lock on the north end of pumping station; and rerouting electric, water and other utilities as defined in the plans and specifications.
       11. Install the Owner furnished catwalk assemblies in accordance with the Drawings.

B. The Contractor shall install all Owner furnished catwalk and assemblies as shown on the Drawings complete, and ready for use.

C. All materials, equipment, skills, tools and labor which are reasonably and properly inferable and necessary for the proper completion of the work in a substantial manner and in compliance with the requirements stated or implied by these Specifications and/or Drawings shall be furnished complete and identified in paragraph A, above, by the Contractor without additional compensation, whether specifically in the Contract Documents or not.

#### D. The Contractor shall comply with all Municipal, Parish, State, Federal, and other codes which are applicable to the proposed fabrication work.

1. Contractor shall furnish and deliver. as a turnkey job, the all items as described in Paragraph A, above.

#### The Contractor shall furnish all labor, materials, equipment, tools, services, and incidentals to complete all work required by these specifications and as shown on the drawings.

G. The Contractor shall take very detailed measurements on site to verify dimensions on drawings. In the event field dimensions differ with those shown on Drawings, the actual field dimensions shall be used to fabricate all new flood proofing, gates, exhaust systems, catwalks and supports to insure correct installation. Contractor shall furnish detailed shop drawings to Engineer for approval before starting work, showing actual field dimensions for all elements of flood proofing, gates, exhaust systems, catwalks, including location of towers and bracket base plates, anchor bolts and all other stair, walkway, bracing and handrail details.

* 1. WORK SEQUENCE

#### Contractor shall be allowed to close only one pump bay at a time to perform the work to flood proof, install gates and remove and replace the engine intake and exhaust systems. Contractor shall submit a written request in a two day advance notice to Owner identifying which pump bay he wants to shut down; and obtain Owner’s permission prior to any work being performed that requires a shutdown.

#### All field dimensions shall be performed first and compared to Drawing dimensions and details with any differences reconciled between Engineer and Contractor before approved by Owner before any work commences. Contractor shall contact Mr. Dean Thomason with Ascension Parish at 225-454-9253 for approvals prior to starting any segments of work. Contractor shall provide his own work boat and marine equipment to allow workers access to the floodside of the Pumping Station pump bays to take dimensions and perform the work.

* + 1. Contractor shall not interfere with pumping station daily operations. Contractor shall obtain permission from Owner’s Station Operator to close service bridge before scheduling work that will block the service bridge access.
    2. Contractor shall obtain permission from Owner’s Station Operator before scheduling work that will require the temporary removal of the building roof and/or wall. Contractor shall protect all engines and ancillaries from being inundated from rain runoff that requires the removal of the building roof to perform the work.
  1. MEASUREMENT AREAS

#### Contractor shall confine his use of the pumping station areas to only areas where work is being performed. Contractor’s use of equipment to assist in work shall require permission of Owner’s Representative prior to site access. Contractor shall immediately abide by any orders from Owner’s Representative to stop work.

B Contractor shall call the Engineer (Ardurra – 504-454-3866 - Becker) two days in advance, once a site visit is scheduled to inform him so that the Engineer’s Representative may observe work.

C Contractor shall be responsible for proper storage of completed fabricated catwalks and assemblies to prevent any warping, stressing and weather damage.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

#### END OF SECTION