

SECTION 01015
SPECIAL CONDITIONS

PART 1 GENERAL

The General Conditions are a part of this section. In case of conflict between this section and the General Conditions, this section shall govern.

Wherever the General Conditions are referred to in the specifications, such reference shall be understood to include these Special Conditions.

1.1 WORK INCLUDED

- A. The work included under these specifications consists of, but is not limited to, the supply of the Secondary Effluent Pumps to the Owner. Unless otherwise specified, the specifications are intended to include everything requisite and necessary for the proper and complete furnishing, testing, start-up, commissioning and training of the specified equipment and facility components. Accordingly, all work is to be done under all headings, as required to carry out the full intent of the Contract Documents whether or not each individual item is specifically mentioned or not.

1.2 STANDARD SPECIFICATIONS

- A. The chemical and physical properties of all materials, and the design, performance characteristics and methods of construction of all items of equipment shall be in accordance with the requirements of the latest issue of the various applicable standard specifications.
- B. These Standard Specifications have been prepared by authorities, which are recognized by the various trades. The names of these authorities are listed below together with the well known abbreviations of their names.

American Institute of Elec. Engineers	A.I.E.E.
American National Standards Institute	A.N.S.I.
American Society for Testing Materials	A.S.T.M.
American Welding Association	A.W.A.
National Electrical Code	N.E.C.
Antifriction Bearing Manufacturers Association	A.F.B.M.A.
American Society of Mechanical Engineers	A.S.M.E.
American Water Works Association	A.W.W.A.
National Electrical Manufacturers Assoc.	N.E.M.A.
American Institute of Steel Construction	A.I.S.C.
National Sanitation Foundation	N.S.F.
Hydraulic Institute	H.I.

1.3 ALTERATIONS AND ADDITIONS

- A. The Engineer and Owner shall each have the right, and the Contractor acknowledges such right, to require, by written order, changes in, additions to and deductions from the work required under the Contract without notice to sureties or in any way rendering void the Contract.

- B. Under no circumstances are verbal commitments to be accepted by this Contractor that will in any way:
 - 1. Increase or decrease the quantities or amounts specified in the Bid Form.
 - 2. Alter, revise, add or deduct any information, or change the scope of work, which is detailed in the drawings or specifications that are considered a part of the bid Form.
- C. All extra work quotes shall be based on Actual Cost plus Fee based on the percentages agreed to in the Bid Form. All quotes shall be detailed to show material units, labor hours, overhead, burden, profit, etc., for each item.

1.4 DELIVERY SCHEDULE

- A. The Contractor is bound to the Bid Package and Delivery schedule identified in the Proposal and Contract. In meeting the date, the Contractor shall assume the following:
 - 1. The Engineer requires 2 weeks to review the first shop drawing submittal, and 1 week for each subsequent shop drawing submittal.

1.5 PAYMENT SCHEDULE

- A. The payment schedule for the Work will be as follows:
 - 1. 5% for approved shop drawings
 - 2. 10% for approved O&M manuals
 - 3. 80% for fabrication and approved factory pump testing
 - 4. 90% for acceptable delivery to temporary storage
 - 5. 94% for successful inspection, start-up, training and testing of first set of two pumps installed
 - 6. 96% for successful inspection, start-up, training and testing of second set of two pumps installed
 - 7. 100% for successful inspection, start-up, training and testing of third set of two pumps installed
- B. Retainage will be deducted from payments.

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1.6 COORDINATION AND WORK BY OTHERS

A. The equipment provided herein will be installed by the successful bidder to the City of Ann Arbor Wastewater Treatment Plant Secondary Effluent Pumps Replacement construction contract. Coordination between parties is a requirement to both contracts. These requirements are as follows:

Description	General Contractor (GC) (1)	P2 Contractor (2)
Submittals	Review as necessary for bid, installation, start-up, and commissioning.	Prepare, submit, re-submit until approved. Provide installation instructions, including entire pump assembly from the motor to the suction bell for the GC to properly Bid, plan and install.
Shop Testing	N/A	Provide documentation of proper factory pump test procedures, data, results, submittals and certification where required.
Shipping	Coordinate delivery schedule with Contractor prior to bid. Offload pumps and ancillary items at temporary storage facility. Inspect with Contractor to confirm satisfactory shipping condition.	Ship to the site, inspect with GC to confirm proper shipment, and that there are no visible defects.
Temporary Storage	Provide temporary covered, temperature controlled storage of pumps and ancillary equipment, off-site (not at WWTP) prior to actual installation. Perform periodic pre-installation lubrication, rotation, etc. of pumps and ancillary items per manufacturer instructions.	N/A
Installation	Install equipment, coordinate all trades	Provide installation instructions, including entire pump assembly from the motor to the suction bell and provide any other assistance necessary.
Start-up	Coordinate time/place. Provide Start-up Work plan. Lead coordination of start-up.	Perform pre-start requirements, provide start-up of pumps, provide acceptance tests, assist with SCADA / I&C start-up, provide training materials, train staff, etc.
As-Builts	Provide	Provide

Notes:

1. General Contractor – GC is the successful bidder for the City of Ann Arbor Wastewater Treatment Plant Secondary Effluent Pumps Replacement.
2. P2 Contractor is the successful Purchase Bid Package vertical pump manufacturer for the City of Ann Arbor Wastewater Treatment Plant Secondary Effluent Pumps Replacement Vertical Wastewater Pumps Purchase, ITB No. 4328.
3. The responsibility for proper care and maintenance shall transition from the pump manufacturer to the Contractor upon proper unloading, checking and temporary storage of the six pumps and ancillary items.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION