

Addendum No. 1

**Township of Hampton
Contract Nos. 2019-01 and 2019-02
Glannons Pump Station and Force Main Upgrade**

March 12, 2020

All prospective Bidders interested in the above construction work are herein advised of the following additions, deletions and/or modifications of the plans, specifications and Bidding Documents:

1. **Clarification - Contract No. 2019-02:** All equipment, devices, boxes, and conduits were designed to be installed exposed both inside and outside the new Pump Station building.
2. **Specification, Section 16150 - Contract No. 2019-02:** The CONTRACTOR shall be allowed to install embedded PVC Schedule 40 conduits, only inside the building, in the new concrete floor for the pump station in lieu of the exposed Aluminum shown in Section 16150.
 - a. *When installing embedded conduits, the CONTRACTOR shall only embed the conduit stub ups through the concrete floor. All conduit runs shall be installed in the sub grade floor below the concrete and only stub up through the concrete floor with HDPE sleeves. In addition, the CONTRACTOR shall coordinate their embedded conduit work with Contract 2019-01 to ensure the structural integrity of the floor and rebar are not adversely affected. All sleeve locations and stub-ups shall be approved by the ENGINEER before installation can proceed.*
3. **Specification, Section 16110, Drawings Index - Contract No. 2019-02:** If the CONTRACTOR chooses to embed conduits as indicated above in item #1, the specification requirement 3.01 G will not be required. The PVC conduit shall be transitioned to Aluminum conduit not more than 2" above the finished floor grade.
 - a. *When installing embedded conduits, the CONTRACTOR shall only embed the conduit stub ups through the concrete floor. All conduit runs shall be installed in the sub grade floor below the concrete and only stub up through the concrete floor with HDPE sleeves. In addition, the CONTRACTOR shall coordinate their embedded conduit work with Contract 2019-01 to ensure the structural integrity of the floor and rebar are not adversely affected. All sleeve locations and stub-ups shall be approved by the ENGINEER before installation can proceed.*

4. **Specification - Section 01020 and Drawing GPS2 - Contract Nos. 2019-01 and 2019-02:** Contract 2019-01 shall be responsible for supplying and installing the Generator (Section 16235) and the Automatic Transfer Switch (Section 16236). Contract 2019-02 shall be responsible for all final electrical connections of the Generator and ATS equipment. The note on Drawing GPS2 (note #1) shall now read, "Generator and Automatic Transfer Switch shall be furnished and installed by general/mechanical Contract 2019-01." An amended scope of work table from Section 01020 is shown below:

Item	Furnish Responsibility	Install Responsibility
Generator and Automatic Transfer Switch	G/M	
Setting		G/M
Electrical Connections		E/C
Generator Engine Flexible Exhaust Connection	G/M	G/M
Generator Engine Exhaust Silencer	G/M	G/M
Generator Cooling Flexible and Fixed Duct/Shroud	G/M	G/M
Generator Cooling Exhaust Duct Adapter	G/M	G/M
Generator Concrete Foundation	G/M	G/M
Generator Natural Gas Flexible Connector	G/M	G/M
Generator Natural Gas Piping	G/M	G/M
Generator Engine Exhaust Piping	G/M	G/M
Pump Package with Pump Control Panel, Transducer and Floats	G/M	G/M & E/C
Motor Control Center - Section 16990	E/C	E/C
Instrumentation Sec. 16910 Mag Meter	E/C	G/M & E/C
Custom Control Panel Section 16925/16930	E/C	E/C

G/M = General Mechanical Contractor - Contract 2019-01

E/C = Electrical Contractor - Contract 2019-02

5. **Clarification - Contract No. 2019-02:** The stand alone VFDs for the pumps shall be supplied directly by Contract 2019-02 and completely separate from the SCADA Professional Services allowance. That allowance does not include the VFDs and only includes work directly related to the 3rd party professional service company who shall furnish and

program control panel (CP-101). Once the control panel is furnished, Contract 2019-02 shall install the panel and make final wiring terminations and connections.

6. **Specification, Section 16950 - Contract No. 2019-02:** The stand-alone VFDs for the project are called out as eighteen (18) pulse drives, however, six (6) pulse drives with Mirus Lineator harmonic filtering is acceptable if the VFDs meet all applicable IEEE 519 standards for harmonic mitigation.
7. **Clarification - Contract No. 2019-02:** Conduit 100 is a SPARE conduit for future internet or phone service. Conduit 100 shall be routed from the base of the utility pole (UTIL-100) inside near the automatic transfer switch location. The intent is to have conduit 100 routed 6" above grade at the utility pole and 6" above floor grade in the pump station building. Both conduit ends shall be capped and have a pull string installed.
8. **Clarification - Contract No. 2019-02:** Conduit 101 is the main service conduit from the new utility pole. The utility will be setting their new pole and supplying the pump station with an overhead service drop as indicated on the drawings. Conduit 101 shall be rigid Aluminum in lieu of the PVC called out in section 16150; this conduit is for the weather-head and mast for the new service entrance drop. Conduit 101 shall run from the overhead mast and weather-head to the new CT cabinet. Conduit 102 shall be routed from the CT cabinet to the new Utility Meter. Conduit 103 shall be routed from the CT cabinet to the automatic transfer switch inside the building.
9. **Specification, Section 08330 - Contract No. 2019-01:** Section 2.08 B, regarding the NEMA Type 4X garage door operator, shall be removed and replaced with a NEMA Type 7 explosion proof operator.
10. **Clarification - Contract No. 2019-02:** Contract 2019-02 shall be responsible for supplying the garage door's NEMA Type 7 disconnect switch and the NEMA Type 7 local control station.

All bidders shall acknowledge receipt of this Addendum No. 1 in the space provided on the Bid Form corresponding to the appropriate contract.

**End of Addendum No. 1
Contract Nos. 2019-01 and 2019-02**

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