

## **ADDENDUM NO. 2**

Notice to Bidders for

**Town of Waterford  
Board of Selectmen and Utility Commission  
Harrisons' Landing Sewers and Roadway Improvements  
And  
Maple Court Water & Sewer Extension  
Bid #12-102**

Town of Waterford, Connecticut

ADDENDUM ISSUED: November 10, 2011

This Addendum forms part of the Contract Documents and modifies the original Project Manual and Specifications and Drawings dated October 18, 2011. Acknowledge receipt of this Addendum in the Bid Proposal, failure to do so may subject the Bidder to disqualification.

This Addendum is a modification to the Contract Documents as follows:

1. Project Manual & Specifications: Instructions to Bidders: Article 7: Delete Item 7.01 and replace with the following - "Any questions regarding specifications, policies and procedures are to be directed to the Purchasing Agent at [krotella@waterfordct.org](mailto:krotella@waterfordct.org). Interpretations or clarifications considered necessary in response to such questions will be issued by Addenda. Questions received less than five days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect."
2. Project Manual & Specifications: Bid Form: Article 5 – Basis of Bid: Part I – Utility Construction: Item 31, Installation of 1¼" Low Pressure Force Main Services – Replace the Unit EA. with L.F.
3. Project Manual & Specifications: Technical Specifications: Section 3.02, Trench Excavation and Backfill: 3.2 Backfilling: A. Preparation: Replace Item 1 with the following – "The Contractor shall submit to the Town for approval a list of equipment to be used for trench compaction. Trench compaction shall be accomplished with a minimum 10 ton Ho-Pack."
4. Project Manual & Specifications: Technical Specifications: Section 3.02, Trench Excavation and Backfill: 3.2 Backfilling: B. Execution: Add the following as item 5 – "Contractor shall provide compaction on all trench backfill and excavations to not less than 95% of the dry density for that material."
5. Project Manual & Specifications: Technical Specifications: Section 7.01, Installation of Sanitary Sewer Pipe: 3.0 Construction Methods: Add the following – "Refer to Section 3.02 for trench backfill requirements and additional information. Contractor shall provide compaction on all trench backfill and excavations to not less than 95% of the dry density for that material. Backfill materials shall be mechanically compacted with a minimum 10 ton Ho-Pack."

6. Project Manual & Specifications: Technical Specifications: Section 7.13, Grinder Pump Station, Control Systems and Tanks: 2.0 Materials: Add the following – “All electrical cables penetrating or passing through the silhouette of the pump station must be guaranteed to be water-tight by the manufacturer and must be installed at the factory prior to shipment. The pump power cable shall be connected to the direct burial cable with a waterproof electrical connector certified to NEC and IEC IP68 ratings (NEMA 6P EQD half attached to it, or equal). Direct burial cable must be factory installed in the station and arrive at the job site with a minimum length of one hundred (100) feet external to the station ready to unroll and connect the alarm panel/power source. Factory wiring and testing shall be a specific part of the U.L listing.”
7. Project Manual & Specifications: Technical Specifications: Section 7.50, Sanitary Wastewater Pump Station: 2.0 Materials: 2.8 Standby Power System (Generator and Transfer Switch): Add the following – The following items shall be included as part of the Standby Generator Package:
  - A. 1 spare water pump
  - B. 1 spare oil filter
  - C. 1 spare air filter
  - D. 1 spare fuel filter
  - E. 1 spare injector pump
  - F. Spare engine belts
  - G. Spare motherboard (control board) for the automatic transfer switch
8. Project Manual & Specifications: Technical Specifications: Section 7.50, Sanitary Wastewater Pump Station: 2.0 Materials: 2.9 Remote Telemetry Unit (RTU) & Antenna: Add the following – Item H. The following items shall be included as part of this item:
  1. 1 spare Aquatrol W1800 modem
  2. 1 spare telemetry antenna
  3. 1 spare 12v dc power supply
  4. 1 spare Vertex 2500 Radio
  5. 1 Automation Direct DL05 PLC
9. Project Manual & Specifications: Technical Specifications: Section 7.51. Factory Built Base Mounted Pump Station with Duplex Self Priming Pumps: 1.0 General: 1.01 Description: Add the following – “The Town of Waterford has numerous Gorman Rupp pump stations and has standardized on Gorman Rupp pumping equipment. Gorman Rupp is the only acceptable supplier for this project.”
10. Project Manual & Specifications: Technical Specifications: Section 7.51. Factory Built Base Mounted Pump Station with Duplex Self Priming Pumps: 2.0 Products and Materials: 2.09 Liquid Level Control: Add the Following – “All liquid level control systems, including but not limited to submersible transducers, backup floats and high level float alarms shall be intrinsically safe.”
11. Project Manual & Specifications: Technical Specifications: Section 7.51. Factory Built Base Mounted Pump Station with Duplex Self Priming Pumps: 2.0 Products and Materials: 2.09 Liquid Level Control: Add the Following Item H. Independent Redundant Float Control (intrinsically Safe) The system works independent of the primary level control, and utilizes a small PLC. The control consists of: a small PLC and two non-mercury float switches. The low level float (pump off) is placed below all primary pumps off set-points. The high level float (pumps start) is placed above all primary on set-points. If either float condition is achieved, a “Float Control Timer” begins to count.

When the timer expires, the float control is latched in, and the floats become active causing an indicating light to become illuminated on the front of the control panel. If the high level float is achieved a pump will start, if the level persists the second pump will start after an adjustable time period. When the wet well level reaches the low level float, both pumps will shut off. The float control includes alternation. Dry contacts wired to terminal blocks will be provided for the float control active alarm circuit. The float control system will remain latched until manually reset. The redundant float control shall be mounted in a separate NEMA 1 stainless steel enclosure and shall include a PVC chain and weight, and a NEMA 4X wet well junction box. Contractor shall be provide adequate conduit runs from the wet well to the pump house to accommodate the float control backup system.

12. Project Manual & Specifications: Technical Specifications: Section 7.51. Factory Built Base Mounted Pump Station with Duplex Self Priming Pumps: 2.0 Products and Materials: Add the following Section 2.10 Spare Parts: The Contractor shall provide the following spare parts
  - A. Backup of PLC programming on SD media card
  - B. 2 spare pump impellers
  - C. 2 spare wear plates
  - D. 2 spare air release valve repair kits
  - E. 2 spare drive belts
  - F. Pump Rotating Assembly
  - G. Standard Gorman Rupp Spare Parts Kit (including mechanical seal)
  - H. Pressure Level Transducer
  
13. Temporary road closures: The Contractor may pursue the temporary closure of roadways for construction. The coordination with the residents, the local Police Department, Emergency Services, School Buses, Trash Collection, Postal Service, and/or any additional service shall be the sole responsibility of the Contractor. Any and all costs or fees associated with the temporary closure of the roadways shall be the responsibility of the Contractor and will not be measured for separate payment as part of this contract.

END OF ADDENDUM