Pre-bid Meeting Minutes For
BID #2014-017- Francis T. Patnaude Inter-Municipal Pumping Station
Mattabassett Regionalization Project – CT-DEEP CWF-487C

Date: Friday, November 7, 2014 at 10:00 am
Adjourned: 10:45 am with a site visit that followed
List of attendees included

Donna Imme, Purchasing Supervisor, opened the meeting and discussed the following:

- Engineers estimate construction cost for the entire project is approx. 20 million dollars.
- The contract will be awarded to the lowest responsible bidder as stated on Page 1-7 and bid proposal page Bid-10 located in Volume I of the contract documents. The lowest responsible bidder shall be determined based upon the sum of the base bid and bid alternates selected, if any.
- Contractors shall hold prequalification certificate from the State Department of Administrative Services (DAS). If not certified, application can be made to DAS.
- State of Connecticut DOL and Davis Bacon Act prevailing wage rates apply to this project.
- Due to the Project's funding source, Local Bidder Acceptance **DOES NOT APPLY.**
- All questions shall be submitted to the Supervisor of Purchases via fax 860-638-1995 or email purchase@middletownct.gov. The deadline for receipt of questions is Wednesday, November 26, 2014 by 3:00 pm. Answers to questions submitted will be included and posted on the City of Middletown website and/or in a future addendum.
- All further information, Addenda's, pre-bid meeting minutes; Q & A's, and a planholder list, etc. shall be posted to the City's website. Bidders shall be responsible for checking the website for all additional information and all addenda's issued and shall also acknowledge the addenda in their bid where indicated on the proposal pages. Website is www.middletownct.gov
- Out of State Contractors submitting a bid, please see page 1-6 of Volume I under 1.9 (e) "Tax Bonds" explaining the procedures required to follow.
- A Bid bond in the amount of 5% of the total bid is required with all bid submittals.
- Work shall be substantially completed within seven hundred thirty (730) consecutive calendar days from the receipt of the Notice to Proceed.

- Plans/Specs are available for a $250.00 deposit ((cash, certified check or company/business check only) and is refundable if the plans/specs are returned in good condition within two weeks of bid opening. The plan holders list is posted on the City's website and updated daily at www.middletownct.gov

- A contractor checklist is included in the bid listing all required bid proposal forms to be submitted. In addition, a separate packet inclusive of all required bid proposal forms to be submitted is inserted on the last page of Volume I.

- The bid opening date is Friday, December 19, 2014 at 11:00 am

- ***Error Clarification. There is a total of 40 items listed in the bid proposal pages, not 42 as stated. Please note on page BID -9 of the proposal pages where it currently states "**Sum of items 1-42"**, should read **"Sum of items 1-40".** This clarification will also be included in a future addendum to be issued.

- Drawing # ENV -4.1. – "Waste Stockpile Area & Truck Route" has been inadvertently omitted, therefore, that drawing only will be included in a future addendum and posted on our website for all to view and/or download.

Donna Imme then introduced Guy Russo, the director of Water & Sewer Director which stated the following:

- The Director and the City of Middletown began planning for this project around February 1995.
- Feasibility Study, Facility Planning, 10 yr negotiation with the District followed by enactment of special legislation to membership
- Force Main contract released last spring
- In attendance are DEEP analyst Carlos Esguerra and Michelle Ryan, Mattabessett District representative
- No overflows
- Design for maximum operational flexibility
- Three buildings are original wastewater treatment plant c. 1938, incinerator and fire training tower.

Following Mr. Russo's comments, Mark Kopchak, Project Manager from CDR Maguire was introduced and briefly summarized project highlights as follows:

- The building is approximately 12,000 square feet in size to accommodate the process equipment. There are classified and unclassified areas within the building space as determined by Connecticut Building Code and NFPA 820.
- There are two mechanical bar screens; one is in the main channel the other is located in the bypass channel.

- Both channels are equally sized and individually accommodate the peak flow of 26 MGD.
- The station will have washer compactors to remove the organics from the screenings.
- Downstream of the mechanical bar screens is a grit removal system. There is only one grit removal system in the station; it is located in the main channel.
- There are two redundant grit washers to remove organics prior to disposal at the Mattabessett District's Wastewater Treatment Plant.
- Downstream of the grit removal system is a divided or compartmentalized wet well. The wet well is divided down its center with an equalization cast iron wall mounted slide gate. There are an equal number of dry pit pumps that take from either compartment.
- The Engineer has pre-qualified three original equipment manufacturers for the grit removal system. No "or equal" or substitutes will be accepted.
- There is a single "dry weather pump" and two "wet weather pumps" on each wet well; totaling two dry weather pumps and four wet weather pumps.
- The size of the wet weather pumps is approximately 300 HP although these do vary in size depending upon the manufacturer. Likewise, the dry weather pumps range in size from 70 HP to 100 HP. All pumps are located in the dry pit pump room and take suction from the wet well.
- The dry weather pumps generally will handle flows up to approximately 10 MGD. The wet weather pumps will take over at greater flows.
- Three OEMs are pre-qualified for the submersible dry pit pumps and controls. No "or equal" or substitutes will be accepted.
- Downstream of the dry pit pump room is a valve vault. Inside the valve vault are plug valves and check valves. There are plug valves in the dry pit pump room also.
- Downstream of the valve vault is a flow metering vault with two 24 inch ductile pipes including one bypass.
- Downstream of the valve vault is a run of approximately 800 feet of ductile iron pipe including a sub-aqueous crossing of Sumner Creek. Following the meeting, the Owner, DEEP, Engineer and attendees visited the site of the sub-aqueous pipe crossing, standing on the bridge separating East Main Street and DeKoven Drive.
- The force main will connect with the force main installed by Northeast Remsco under the first contract.
- The existing buildings are founded on piles. The contractor will be responsible for jacking these piles if they interfere with the construction of the new pump station. There is a unit priced bid item for this work and it is further described in the specifications and General Notes.
- The incinerator building shouldn't interfere with the new construction. The piles under this building do not have to be completely removed but rather cut off at a depth of approximately 3 feet below final grade.
- The pump station will be founded on deep pilings. There is a specification and structural details detailing how this work is to be done. There is a unit priced bid item for new micro-piles as the final depths and depth to bedrock are only approximately known.

- In addition to the pump station work, this project includes installation of several hundred feet of new gravity sewer as flows will have to be re-directed from the existing Publicly Owned Treatment Works to the proposed pump station.
- There are several "critical" structures located on site that must be protected and maintained during construction. These structures are used to direct flows to the existing POTW. These include a sanitary chamber outside and adjacent to the existing pump station and a 36 inch interceptor sewer that crosses East Main Street, enters the sanitary chamber and flows under gravity through a 36 inch pipeline located partially on site and partially within the DOT Rte. 9 ROW. There are also two low lift submersible pumps located inside of the existing pump station that lift flows from the Maple Street neighborhood to the sanitary chamber. The Maple Street peak flow is estimated at 300 gpm.
- The Maple Street sewer enters the site relatively deep and flows will need to be by-passed during construction and demolition of the existing pump station.
- There are Areas of Environmental Concern located on site and shown on the Environmental drawings. These soils or controlled materials do not meet DEEP criteria for general disposal and must be taken to an Owner specified waste stockpile disposal site after testing. They must be hauled to a Waste Stockpile site which will be provided by the Owner.
- Soils excavation outside these AOEC areas will not be measured separately for payment and will be disposed by the General Contractor. The Engineer and Inspector will not allow soils that are not AOEC classified to be taken to the WSA.
- There is a surge control system. A 25,000 gallon tank is to be located on deep piles outside the pump station building. Controls and compressors are to be located inside of the pump station.

Site Visit:

During the site visit, Mr. Ashis Roychowdhury, Executive Vice President from Eagle Environmental, Inc., shared the following information in regards to the project:

- The Contractor shall thoroughly read the abatement specification sections prepared by Eagle Environmental, Inc. that define the scope of work and regulatory requirements.
- The contractor shall retain an asbestos abatement contractor licensed in the State of Connecticut to perform the asbestos abatement.
- The abatement contractor shall submit the following to Eagle Environmental at least three (3) days before the start of the abatement:
- Contractor's Connecticut asbestos license.
- Training (initial and most recent), medical, license, and respirator fit-test certificate for all workers and supervisors that will be on the job site.
- The contractor shall perform selective demolition of the wall and ceiling surfaces to identify hidden ACM, if any, that were not accessible for inspection.

- The contractor shall set up containment to abate interior ACM in each work area. Eagle's licensed asbestos project monitor shall perform pre-abatement visual inspection of the containment. The contractor shall provide sufficient advance notice to Eagle to schedule the inspection.
- Upon completion of the removal, Eagle will perform final visual inspection and re-occupancy air clearance in each interior contained work area. Only final visual inspection shall be performed for exterior materials. The contractor shall provide sufficient advance notice to Eagle to schedule the inspection.
- Upon completion of the abatement, the contractor shall submit the following:
- Waste Shipment Record signed by the landfill owner/operator (within 45 days)
- Contractor's site logs and air sampling records
- Contractor's work area access logs

Site visit was ended.