

TOWN OF WEST SENECA



SHEILA M. MEEGAN
TOWN SUPERVISOR

To: Fellow Town Board Members

From: Sheila M. Meegan, Town Supervisor

Date: August 12, 2019

Re: **Proposal for Engineering Services, Overflow Pump Station**

Kindly authorize the Supervisor to accept and sign the attached proposal from Clark Patterson Lee in regards to Engineering Services for the Town of West Seneca High School Overflow Pump Station.



ARCHITECTURE
ENGINEERING
PLANNING

July 30, 2019

Supervisor Sheila M. Meegan
Town of West Seneca
1250 Union Road
West Seneca, New York 14224

**RE: PROPOSAL FOR ENGINEERING SERVICES
TOWN OF WEST SENECA HIGH SCHOOL OVERFLOW PUMP STATION**

Dear Supervisor Meegan:

The CPL Team appreciates the opportunity to provide you with the following proposal for Engineering Services related to design, bidding, and construction services for the proposed new sanitary sewer overflow pump station, to replace the existing “temporary” pump station along Seneca Street across from the West Seneca West High School.

The existing overflow pumps are run manually when alarms alert the Town’s sewer employees of rising water that is beyond the capacity of the siphon that traverses Cazenovia Creek along Seneca Street. The capacity of each of the pumps is about 1,250 gallons per minute or 1.8 MGD. This capacity is about what it needs to be, however the pumps only have a 2-hour gas storage which leads to excessive overtime during extended periods of sewer overflows. The existing pumps have exceeded their life expectancy and are fairly worn. We will evaluate the last several years’ worth of data and design a pump station with equal or more capacity that would be controlled automatically by an overflow level sensor that would be installed in the siphon manhole at a set elevation. The pump station will likely be housed in a small precast building with its own electrical service with generator backup. We will also look at the best way to collect solids and rags at the discharge to cut down on the discharge of solids to the creek during overflows. We will design a more permanent discharge pipe to the creek that is less conspicuous and properly sized.

In summary, the proposed project includes the following:

- New pumps, pump mounting, piping and metering.
- New precast pump station that includes all electrical components including lights, panel boards, and generator.
- A heater for inside the pump station.
- Replacement of controls with level sensors and alarms.
- New electrical service to the building
- Improvements to the site as needed.
- Installation of a new force main with discharge to Cazenovia Creek with new solids collection baskets.

The scope of services included in this proposal for engineering services include the following:

Task 1: Preliminary Services

1. Prepare a Basis of Design Report for design of the pump station to include review of the pump sizing, pump recommendation, controls, electrical upgrades, flow meter installation, and building. The Report will also include an evaluation of the force main sizing and basket solids collection system.
2. Completion of the SEQRA process for the pump station replacement and the proposed force main relocation.
3. Permitting as necessary with DEC.

Task 2: Design

1. Prepare preliminary and final construction drawings, specifications, contract documents, and cost estimates. These documents will be suitable for bidding and construction.
2. Prepare and obtain all required permits for the project including Erie County Highway, NYSDEC and USACOE.

Task 3: Bidding

1. Provide up to fifteen (15) sets of plans, specifications, and contract documents to be issued to prospective bidders. We have assumed up one (1) construction contracts will be required.
2. During the bidding period, we will respond to bidders' questions and issue any addenda required for interpretation and clarification of the bidding documents.
3. We will attend the bid opening, review bids for compliance with the bid requirements and mathematical correctness, prepare bid tabulation, investigate bidders' qualifications, and prepare a written recommendation for the award of the contract.

Task 4: Construction Administration

1. Coordinate a pre-construction conference prior to commencement of work at the site. Coordinate and hold construction meetings on a monthly basis with the Owner, funding agency, and contractor.
2. Receive, review, and determine the acceptability of any and all schedules that contractor is required to submit, including the progress schedule, schedule of submittals, and schedule of values.
3. Recommend change orders and work change directives to Owner, as appropriate, and prepare change orders and work change directives as required.
4. Review applications for payment and accompanying supporting documentation to determine the amounts that the contractor be paid.
5. Coordinate project close-out with the funding agency and the contractor.

Task 5: Resident Inspection

1. We will provide drawings and specifications to the Town Engineering Staff, who can complete the inspection services during construction. We will meet with the staff up to four (4) times during construction on site to review the contractors work.

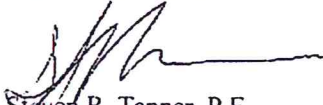
We propose to complete the above tasks for the lump sum amounts shown below:

<u>Task</u>	<u>Fee</u>
Task 1: Preliminary Services	\$15,500
Task 2: Design	\$45,000
Task 3: Bidding	\$ 5,500
Task 4: Construction Administration	\$ 9,500
<u>Task 5: Resident Inspection</u>	<u>Town Staff</u>
Total	\$75,500

We appreciate this opportunity and look forward to working with the Town to complete this project. If you have any questions or need additional information, please contact me at (716) 852-2100 x 1318. If you wish for us to proceed with this work, please send back a signed copy of this proposal. Given the Town did not move forward with the East and West sewer improvements, there should be funding left from the original bonding of the phase 1 sewer improvements to cover the cost of this work (Town to verify).

Very truly yours,

Clark Patterson Lee



Steven R. Tanner, P.E.
Principal Associate

Proposal Accepted By:

Signature: _____
Town of West Seneca

Date: _____