August 21, 2018

Mayor Robert Weger
City of Willoughby Hills
35405 Chardon Road
Willoughby Hills, Ohio 44094

RE: Stratford Pump Station
Willoughby Hills, Ohio
RLB+A #7986.35
RLB+A Contact: Pietro A. DiFranco, P.E.

Dear Mayor Weger:

We are pleased to submit this proposal for your consideration on the above-captioned project. The following is our understanding of the project scope, and estimate of professional fees:

PROJECT DESCRIPTION

The project consists of installing a pump in an existing manhole to discharge the sanitary system during heavy rain in an effort to reduce overflow and flooding. The manhole will be supplied with a pump, piping, controls, and an above ground enclosure as manufactured by Flygt or equal. A second pump will also be supplied and stored as a backup. Additionally, a 330 lineal foot, 2 inch diameter, sanitary force main will be installed directly by the City’s Service Department which discharges into the Chardon Rd sanitary sewer main. The opinion of probable construction cost is approximately $40,194.00 (see attached estimate).

SCOPE OF SERVICES

- Serve as the authorized representative of the city and supervise the execution of the project work, including resident/HOA coordination and meetings as needed.
- Bidding Assistance: Respond to bidder questions, tabulate and evaluate bids, assess contractor’s ability, and make recommendation for award.
- Construction Administration: Respond to contractor questions, review contractor submittals, perform site visits, review change orders, review contractor payments, perform punch list and project close-out.
PROFESSIONAL SERVICES FEE

Based on Section 2.2 & 2.3 of the “AGREEMENT Between CITY OF WILLOUGHBY HILLS, OHIO & RICHARD L. BOWEN + ASSOCIATES, INC. For CITY ENGINEERING SERVICES”, the Base Professional Services Fee is estimated to be:

1. Consulting Services
   A City Engineer or Asst. City Engineer
      (50 hrs @ $96/hr)  $4,800.00
   B Normal reimbursable expenses such as
      travel, reproduction, printing, & shipping
      will be invoiced at 1.1 times direct cost  $200.00

2. Electrical Engineering
   Total Base Fee  $6,000.00

   Please note, this is an estimate of anticipated hours. Invoices will be based on actual time spent plus normal reimbursable expenses, not to exceed the limits set above without prior authorization.

   Please indicate your acceptance of this proposal by signing below, and providing a city-issued purchase order.

   Sincerely,

   RICHARD L. BOWEN + ASSOCIATES INC.

   [Signature]

   Allan Renzi, A.I.A
   Principal

   City of Willoughby Hills Acceptance:

   ____________________________________________  _____________
   Robert Weger, Mayor                      Date

   cc:   Contract File

   P:\7566\7985.00N8 General City Engineering Services\2018-Stratford Pump Station\Proposal-Stratford PS 180021.docx
City of Willoughby Hills  
Startford Pump Station (RLB+A # 7986.00)  
Engineer's Estimate  
Prepared By: Kevin Trepal  
Date: 08/15/2018

<table>
<thead>
<tr>
<th>No.</th>
<th>ODOT</th>
<th>Description</th>
<th>Units</th>
<th>Quant.</th>
<th>Unit Pr.</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>SPCL</td>
<td>Pump Station Retrofit - Complete w/ Pump, Floats, Control Box, Piping, Etc. (By Buckeye Pumps)</td>
<td>L.S.</td>
<td>1.00</td>
<td>$21,000.00</td>
<td>$21,000.00</td>
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<tr>
<td>2</td>
<td>SPCL</td>
<td>2&quot; PVC Sch 80 San Force Main (By City)</td>
<td>L.F.</td>
<td>330.00</td>
<td>$18.00</td>
<td>$5,940.00</td>
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<tr>
<td>3</td>
<td>SPCL</td>
<td>Electric Service to Pump Station (By Electrical Contractor)</td>
<td>L.S.</td>
<td>1.00</td>
<td>$9,000.00</td>
<td>$9,000.00</td>
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<tr>
<td>4</td>
<td>451</td>
<td>Concrete Electrical Cabinet Pad</td>
<td>S.F.</td>
<td>24.00</td>
<td>$25.00</td>
<td>$600.00</td>
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**BID TOTALS (Base):**  
$36,540.00

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<thead>
<tr>
<th>Contingency (10%)</th>
<th>Total Construction</th>
<th>Engineering (Excluding CA)</th>
<th>Electrical Engineering</th>
<th>Total Cost</th>
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<tbody>
<tr>
<td>$3,654.00</td>
<td>$40,194.00</td>
<td>$5,000.00</td>
<td>$1,000.00</td>
<td>$46,194.00</td>
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**Notes:**
1.  
2.  

P:\7986\7986.00NB General City Engineering Services\2018-Stratford Pump Station\798600 Estimate-Stratford PS
**Description:**
Installation of ±330 LF of sanitary force main and conversion of a sanitary manhole into an emergency pump station to prevent flooding during extreme rain events.

**Opinion of Probable Cost**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Diameter</th>
<th>Unit Price</th>
<th>Unit Cost</th>
<th>Cost</th>
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<tbody>
<tr>
<td>1</td>
<td>Pump Station Repair - Complete (Concrete Manhole)</td>
<td>1</td>
<td>$12,000.00</td>
<td>$12,000.00</td>
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<tr>
<td>2</td>
<td>3rd Pipe Extension to Sanitary Force Main (CFM)</td>
<td>320</td>
<td>$50.00</td>
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<td>3</td>
<td>Electrical Service to Pump Station - Complete</td>
<td>1</td>
<td>$0.00</td>
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<tr>
<td>4</td>
<td>Concrete, Electrical, Sumps, Meter, Electrical,</td>
<td>20</td>
<td>$350.00</td>
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**Subtotal Construction:** $32,000.00

**Contractor (CD):** $1,000,000

**Total Construction:** $40,000.00

**Engineering (excluding CA):** $2,000.00

**Electrical Engineering:** $1,000.00

**Total Cost:** $42,000.00

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**Stratford Pump Station**

WILLIAMS GILLESPIE, OHIO

<table>
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<th>Scale</th>
<th>Date</th>
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**Architectural and Engineering Drawing is Scaled to Difference. No Use or Reproduction May Be Made Without Written Consent of the Owner. All Rights Are Reserved.**