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3507 High Point Drive North  
Bldg. 1 Suite E130  
Oakdale, MN 55128

Ph: (651) 704-9970  
Bolton-Menk.com

December 14, 2021

Stefan Higgins, P.E.  
Assistant City Engineer  
City of Blaine  
10801 Town Square Drive NE  
Blaine, MN 55449

RE: Proposal for Lift Station 1 Force Main Project  
City of Blaine, MN

Mr. Higgins:

The project scope and proposed fees have been prepared as requested to replace existing sanitary sewer lift station No. 1 with a new duplex station, including a pre-fabricated control panel building. The existing 10" for force main will be replaced or rehabbed from the existing lift in the southeast corner of 87<sup>th</sup> Avenue and Davenport Street to the existing sanitary manhole on 87<sup>th</sup> Avenue, just west of Central Avenue (TH 65).

## Project Scope

### Task 1 – Preliminary Survey

As part of Task 1, we will perform a pre-inspection of the project, geotechnical investigation, private utility documentation, and topographic survey.

### Task 2 – Design of Wet Well Lift Station and Force Main

We will perform the following:

1. Size and number of pumps required and diameter of force main
2. Design site improvements for lift station area
3. Analyze methods of construction for lift station
4. Analyze methods of construction for force main
5. Analyze conversion of force main under TH 65 to gravity
6. Attend one meeting with city staff to discuss report

### Task 3 – Design of Pre-Fabricated Control Building

We will perform the following:

1. Design footing for pre-fabricated building
2. Confirm telemetry and SCADA requirement
3. Prepare electric service and control plans/specifications

### Task 4 – Preparation of Plans and Specifications

We will prepare plans and specifications for bidding, an estimate of probably construction costs, and submit these documents, along with the CAD files, to the city.



#### **Task 5 – Other Governmental Agency or Utility Company Coordination**

We will perform the following:

1. Prepare, submit, and obtain permits from MPCA
2. Coordinate and obtain permit from MnDOT for work within their ROW
3. Coordinate with Connexus Energy on electrical service requirements.

#### **Task 6 – Bidding**

City staff will place the ad-for-bid, upload the plans/specifications to QuestCDN, and open the bids.  
We will assist city on all questions from bidders that arise during the bidding process.

#### **Task 7 – Construction Administration**

We will perform the following:

1. Review shop drawing submittals
2. Construction observation and administration
3. Prepare monthly pay applications

### **Proposed Fee**

The following table summarizes the cost breakdown for each task. A detailed summary of our estimated hours and hourly rates is attached to this proposal.

Estimated Fees		
Task	Description	Amount
1	Preliminary Survey	\$12,008
2	Design of Wet Well Lift Station and Force Main	\$26,308
3	Design of Pre-Fabricated Control Building	\$8,100
4	Preparation of Plans and Specifications	\$27,450
5	Other Governmental Agency or Utility Company Coordination	\$4,470
6	Bidding	\$6,990
7	Construction Administration	\$39,750
	<b>Total Estimated Fee</b>	<b>\$125,076</b>

Tasks 1 - 6 shall be Hourly Not to Exceed, subject only to adjustments for a change in scope of services performed agreed upon in writing by the City and the Consultant.

Task 7 is an estimated amount. Actual costs and time spent will be invoiced hourly.



## Proposed Project Schedule

Design of the project would occur in 2021/2022 and construction during the summer of 2022. Therefore, the following schedule allows for construction to be completed during the 2022 construction season:

Proposed Project Schedule	
Council approves consultant contract, orders feasibility report	December 2021
Perform prelim survey	December 2021
Prepare plans/specs	Dec 2021 - Feb 2022
Council approves plans/specs, sets bid date	February 2022
Open Bids	March 2022
Council awards contract	April 2022
Begin construction	May 2022
Complete construction	October 2022
Assessment hearing	October 2022

## Acceptance

Please indicate your acceptance of this proposal by signing on the signature block below and returning a copy to us.

Thank you for the opportunity to submit this proposal. We look forward to working with on this project. If you have any questions regarding this proposal, please contact me at 651-968-7742.

### Bolton & Menk, Inc.



**Michael Nill, P.E. (MN, WI)**  
Principal Engineer

### City of Blaine

By: \_\_\_\_\_

Printed Name: Tim Sanders

Title: Mayor

Date: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: Michelle Wolfe

Title: City Manager

Date: \_\_\_\_\_



### Fee Schedule -Lift Station 1 and Force Main Replacement

Task No.	Work Task Description	Principal Engineer/ Project Manager	Trenchless Principal Engineer	Design Engineer	Engineering Technician	LS Design Engineer	LS Design EIT	LS Design Technician	Electrical Engineer	Construction Manager	Survey Project Manager	Surveyor	Total Hours	Geotechnical	Total Cost
<b>Task 1 -Design Services</b>															
1.1	Preliminary Survey				4						2	20	26	\$7,900	\$12,008
1.2	Lift Station and Force Main Design	24	37		56	20	24		12				173		\$26,308
1.3	Control Panel Building Design					16	16	8	12				52		\$8,100
1.4	Preparation of Plans & Specification		12	64		30	40	24	16				186		\$27,450
1.5	Permitting		4	10		8	8						30		\$4,470
1.6	Bidding		4	2		16	20		4				46		\$6,990
1.7	Construction Administration					60	60	16	30	80		20	266		\$39,750
	<b>Total Hours</b>	<b>24</b>	<b>57</b>	<b>76</b>	<b>60</b>	<b>150</b>	<b>168</b>	<b>48</b>	<b>74</b>	<b>80</b>	<b>2</b>	<b>40</b>	<b>779</b>		
	<b>Hourly Rate</b>	\$185.00	\$180.00	\$135.00	\$118.00	\$175.00	\$125.00	\$150.00	\$175.00	\$135.00	\$168.00	\$165.00			
	<b>TOTAL COST</b>	\$4,440	\$10,260	\$10,260	\$7,080	\$26,250	\$21,000	\$7,200	\$12,950	\$10,800	\$336	\$6,600			<b>\$125,076</b>