



RLB#7986.45  
BOWEN  
2019 CENTER STREET  
SUITE 500  
CLEVELAND, OH 44113

Mr. G. Andrew Gardner  
Mayor  
City of Willoughby Hills  
35405 Chardon Road  
Willoughby Hills, OH 44094

June 17, 2020

Re: Professional Services Proposal  
Corporate 90 Force Main Replacement

Dear Mayor Gardner,

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

#### PROJECT DESCRIPTION

The project consists of installing approximately 4,110 L.F. of new 3-inch sanitary force main along SOM Center Rd from the Cleveland Clinic Foundation (2550 SOM Center Rd) to Chardon Rd. Directional boring will be utilized to install the force main which reduces site disturbance and allows the existing force main, which is in poor condition, to be abandoned. Additionally, the three existing cleanout manholes will be replaced and three additional cleanout manholes will be added to provide additional access for future maintenance. See attached Sketch SK01-01 and anticipated schedule. The opinion of probable construction cost is approximately \$298,820.00.

#### SCOPE OF SERVICES

- Serve as the authorized representative of the city and supervise the execution of the project work, including resident coordination and meetings as needed.
- Design and Document Preparation: Plans, specifications, cost estimate, and bid documents 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.

Mr. G. Andrew Gardner, Mayor  
June 17, 2020  
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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.	Professional Services Fee, including an estimated <u>\$100.00</u> for reimbursable expenses invoiced at 1.1 times direct cost, is based on an estimated construction cost of <u>\$298,820</u> .		\$26,912.00
	A.	75% to be invoiced at completion of plans	\$20,184.00
	B.	Remaining 25% payable in pro rata monthly payments	\$6,728.00
Total Base Fee			\$26,912.00

Please note, the actual Professional Services Fee will be based on the actual cost of construction, therefore will not be determined until construction is complete and the cost is known.

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

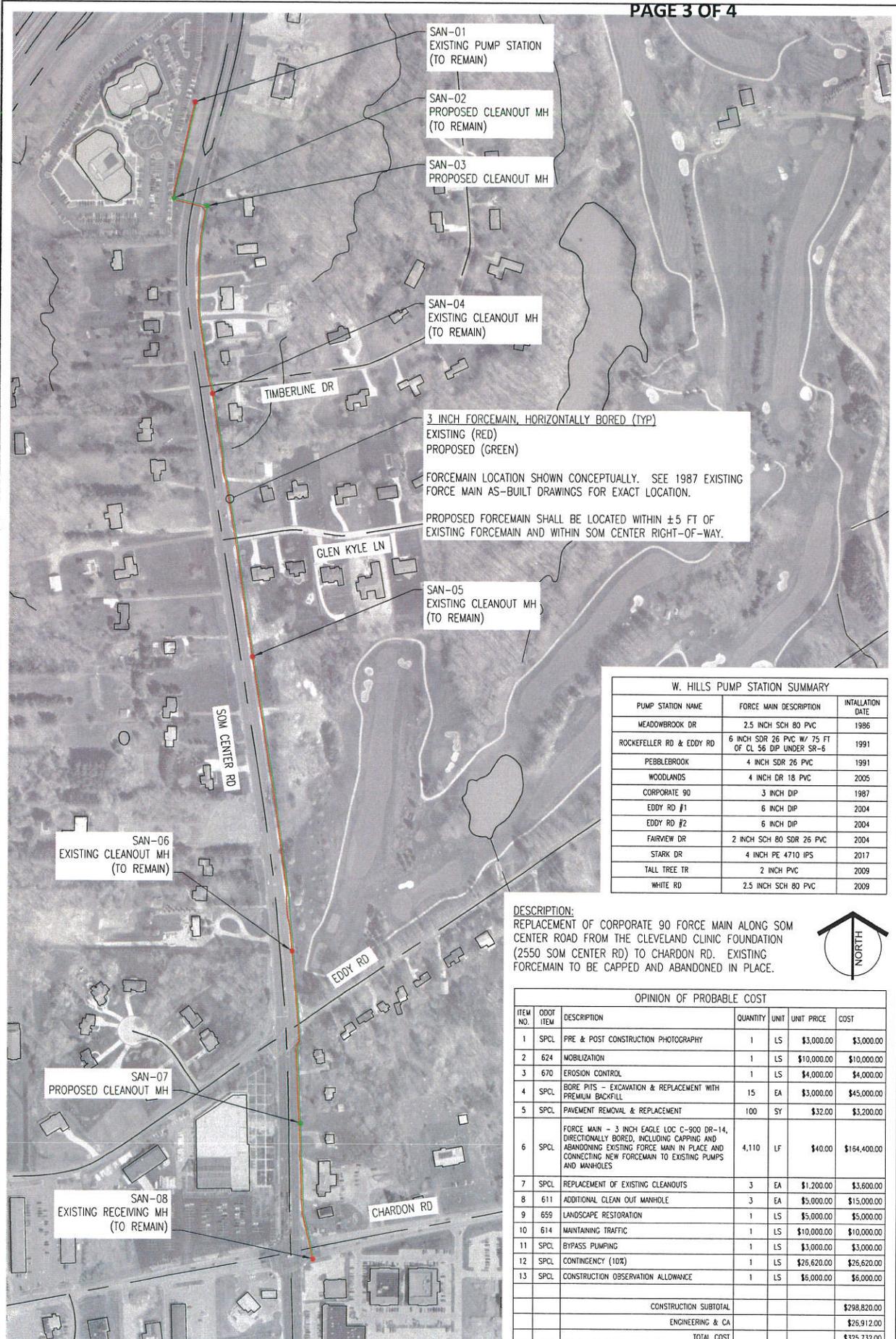
Sincerely,

RICHARD L. BOWEN + ASSOCIATES INC.



Allan L. Renzi, A.I.A.  
President

cc: Pietro DiFranco, P.E.



SAN-01  
EXISTING PUMP STATION  
(TO REMAIN)

SAN-02  
PROPOSED CLEANOUT MH  
(TO REMAIN)

SAN-03  
PROPOSED CLEANOUT MH

SAN-04  
EXISTING CLEANOUT MH  
(TO REMAIN)

3 INCH FORCEMAIN, HORIZONTALLY BORED (TYP)  
EXISTING (RED)  
PROPOSED (GREEN)

FORCEMAIN LOCATION SHOWN CONCEPTUALLY. SEE 1987 EXISTING FORCE MAIN AS-BUILT DRAWINGS FOR EXACT LOCATION.

PROPOSED FORCEMAIN SHALL BE LOCATED WITHIN ±5 FT OF EXISTING FORCEMAIN AND WITHIN SOM CENTER RIGHT-OF-WAY.

SAN-05  
EXISTING CLEANOUT MH  
(TO REMAIN)

SAN-06  
EXISTING CLEANOUT MH  
(TO REMAIN)

SAN-07  
PROPOSED CLEANOUT MH

SAN-08  
EXISTING RECEIVING MH  
(TO REMAIN)

W. HILLS PUMP STATION SUMMARY		
PUMP STATION NAME	FORCE MAIN DESCRIPTION	INSTALLATION DATE
MEADOWBROOK DR	2.5 INCH SCH 80 PVC	1986
ROCKEFELLER RD & EDDY RD	6 INCH SDR 26 PVC W/ 75 FT OF CL 56 DIP UNDER SR-6	1991
PEBBLEBROOK	4 INCH SDR 26 PVC	1991
WOODLANDS	4 INCH DR 18 PVC	2005
CORPORATE 90	3 INCH DIP	1987
EDDY RD #1	6 INCH DIP	2004
EDDY RD #2	6 INCH DIP	2004
FAIRVIEW DR	2 INCH SCH 80 SDR 26 PVC	2004
STARK DR	4 INCH PE 4710 IPS	2017
TALL TREE TR	2 INCH PVC	2009
WHITE RD	2.5 INCH SCH 80 PVC	2009

DESCRIPTION:  
REPLACEMENT OF CORPORATE 90 FORCE MAIN ALONG SOM CENTER ROAD FROM THE CLEVELAND CLINIC FOUNDATION (2550 SOM CENTER RD) TO CHARDON RD. EXISTING FORCEMAIN TO BE CAPPED AND ABANDONED IN PLACE.



OPINION OF PROBABLE COST						
ITEM NO.	ODOT ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	COST
1	SPCL	PRE & POST CONSTRUCTION PHOTOGRAPHY	1	LS	\$3,000.00	\$3,000.00
2	624	MOBILIZATION	1	LS	\$10,000.00	\$10,000.00
3	670	EROSION CONTROL	1	LS	\$4,000.00	\$4,000.00
4	SPCL	BORE PITS - EXCAVATION & REPLACEMENT WITH PREMIUM BACKFILL	15	EA	\$3,000.00	\$45,000.00
5	SPCL	PAVEMENT REMOVAL & REPLACEMENT	100	SY	\$32.00	\$3,200.00
6	SPCL	FORCE MAIN - 3 INCH EAGLE LOC C-900 DR-14, DIRECTIONALLY BORED, INCLUDING CAPPING AND ABANDONING EXISTING FORCE MAIN IN PLACE AND CONNECTING NEW FORCEMAIN TO EXISTING PUMPS AND MANHOLES	4,110	LF	\$40.00	\$164,400.00
7	SPCL	REPLACEMENT OF EXISTING CLEANOUTS	3	EA	\$1,200.00	\$3,600.00
8	611	ADDITIONAL CLEAN OUT MANHOLE	3	EA	\$5,000.00	\$15,000.00
9	659	LANDSCAPE RESTORATION	1	LS	\$5,000.00	\$5,000.00
10	614	MAINTAINING TRAFFIC	1	LS	\$10,000.00	\$10,000.00
11	SPCL	BYPASS PUMPING	1	LS	\$3,000.00	\$3,000.00
12	SPCL	CONTINGENCY (10%)	1	LS	\$26,620.00	\$26,620.00
13	SPCL	CONSTRUCTION OBSERVATION ALLOWANCE	1	LS	\$6,000.00	\$6,000.00
CONSTRUCTION SUBTOTAL						\$298,820.00
ENGINEERING & CA						\$26,912.00
TOTAL COST						\$325,732.00

 RICHARD L. BOWEN AND ASSOCIATES INC.  
13000 SHAKER BOULEVARD, CLEVELAND, OHIO 44120  
(216) 491-9300 -- FAX 491-8053

7986.00NB 1"=500'  
SCALE

ISSUED FOR  
REVIEW

CORP 90 FORCE MAIN REPLACEMENT  
WILLOUGHBY HILLS, OHIO  
SOM CENTER ROAD  
06/17/20  
**SK01-01**

