



**CITY OF NOVI CITY COUNCIL
FEBRUARY 28, 2022**

SUBJECT: Consideration of approval to award the construction contract to D & D Water & Sewer, Inc., the recommended bidder, for the Hilton Sewer Force Main Replacement project, in the amount of \$881,250, and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 881,250.00
AMOUNT BUDGETED	\$ 698,021.00
APPROPRIATION REQUIRED	\$ 397,557.00
LINE ITEM NUMBER	592-592.00-976.072

BACKGROUND INFORMATION:

This project involves the installation of a new parallel force main downstream of the Hilton Pump Station. The existing force main is 38 years old and was identified in the 2014 Sanitary Sewer Master Plan for replacement. A failure at this station would result in a sanitary sewer back up into nearby basements and eventually into adjacent water bodies. The addition of a parallel force main (~2,700 feet in length) is being proposed, while leaving the existing ductile iron force main in place as a redundant backup should the new force main ever be damaged or need repair.

Spalding DeDecker assisted the Engineering Division with developing the engineering design plans for this project. The plans were advertised for public bids on January 14, 2022. Four (4) bids were received and opened on February 11, 2022, following the solicitation period. Staff recommends award to D & D Water & Sewer, Inc., the second-low bidder based on experience and references. The award recommendation letter including the bid tabulation is attached. A summary of the bids is as follows:

Contractor	Total Program Bid (includes Crew Days) *
Lawrence M. Clarke	\$ 887,297.50
D & D Water & Sewer, Inc.	\$ 902,250.00

Bidigare Contractors	\$ 1,092,199.00
Superior Excavating	\$ 1,540,011.65

***Crew Days are included to compare bids, but not included in the award**

The contract administration and geotechnical engineering services related to this project will be awarded to the following pre-qualified firms using the fee percentages in the Agreements for Professional Engineering Services and Geotechnical Engineering Services for Public Projects.

Spalding DeDecker		
Contract Administration	5.5% of the construction award (\$881,250 x 0.055)	\$ 48,468.75
Crew Days	\$700 daily inspection fee x 30 days	\$ 21,000.00

Testing Engineers & Consultants, Inc. (TEC)		
Material testing services	2% of the construction award (\$881,250 x 0.02)	\$ 17,625.00

RECOMMENDED ACTION: Approval to award the construction contract to D & D Water & Sewer, Inc., the recommended bidder, for the Hilton Sewer Force Main Replacement project, in the amount of \$881,250, and amend the budget.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for the construction contract to D & D Water & Sewer, Inc. associated with the Hilton Sewer Forcemain Replacement project is authorized:

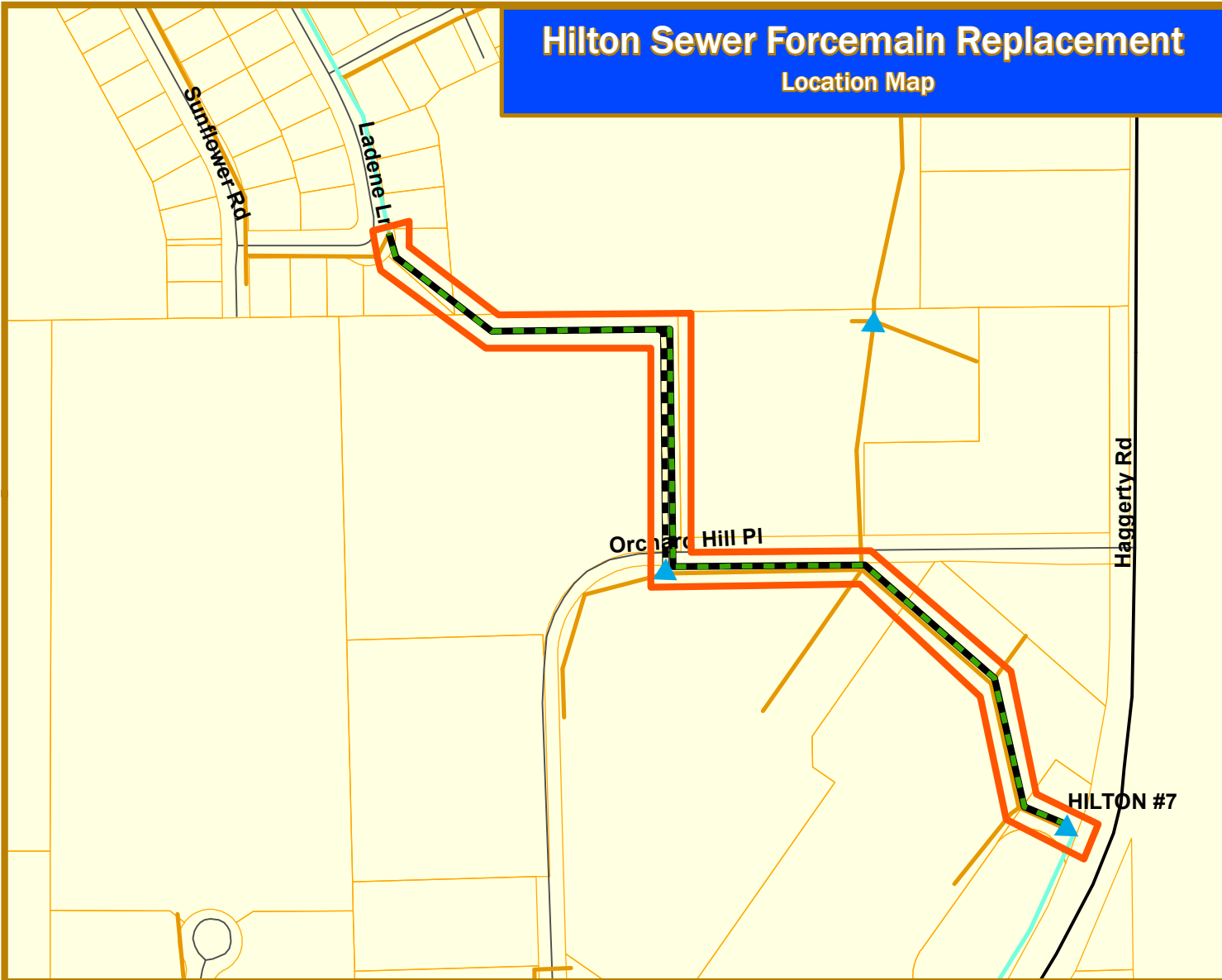
	INCREASE (DECREASE)
WATER & SEWER FUND	
APPROPRIATIONS	
Capital Outlay	397,557
TOTAL APPROPRIATIONS	<u>\$ 397,557</u>
Net Increase (Decrease) to Fund Balance	<u><u>\$ (397,557)</u></u>

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a regular meeting held on February 28, 2022.

Cortney Hanson
City Clerk

Hilton Sewer Forcemain Replacement

Location Map









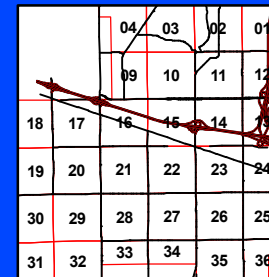
Map Author: Rebecca Runkel
 Date: 12/4/2020
 Project: Hilton Forcemain
 Version #: 1.0

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.

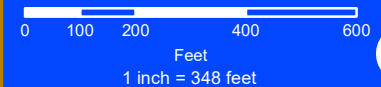
Map Legend

-  Sanitary Lift Station
-  2"
-  8"
-  8"
-  10"
-  Other



City of Novi

Engineering Division
 Department of Public Works
 26300 Lee BeGole Drive
 Novi, MI 48375
cityofnovi.org



February 17, 2022

Mr. Ben Croy
City Engineer
City of Novi
26300 Lee BeGole Drive
Novi, Michigan 48375

Re: **Recommendation for Award**
Hilton Forcemain Replacement
SDA Project No.: Job No NV20005

Dear Mr. Croy:

On February 11, 2022 at 10:00 a.m., construction bids were opened and publicly read at the City of Novi Civic Center for the Hilton Forcemain Replacement project. The project includes replacement of the existing sanitary forcemain from Ladene Lane to Haggerty Road.

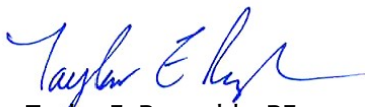
The City Clerk's office received four (4) sealed bids for this project, with each bid considered to be responsive having submitted a bid compliant with all requirements. Following the bid opening, Spalding DeDecker reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached).

References were checked for the lowest two bidders. Based on a review of experience and references provided, Spalding DeDecker finds that D&D Water and Sewer is qualified to perform the required construction.

It is our recommendation that the project be awarded to D&D Water and Sewer in the amount of \$881,250.00, which is the total bid of \$902,250.00 minus \$21,000.00 for crew days bid.

Upon award by the City Council, our office will coordinate the completion of the Contract Agreement, Bonds, and Insurance information with D&D Water and Sewer.

Very Truly Yours,
SPALDING DEDECKER



Taylor E. Reynolds, PE
Public Engineering Project Coordinator

Encl: Bid Tabulation

BID TABULATION - Hilton Forcemain Replacement
CITY OF NOVI

4 Bids received, opened 02/11/22

Project No. NV20005
 By: NG
 Reviewed: TER

BASE BID				LAWRENCE M. CLARKE		D&D WATER & SEWER		BIDIGARE CONTRACTORS	
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance & Mobilization (10% max)	1	LS	\$80,172.50	\$80,172.50	\$90,325.00	\$90,325.00	\$100,000.00	\$100,000.00
2	Pre Construction Audio/Visual DVD Coverage	1	LS	\$15,000.00	\$15,000.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00
3	Temporary Traffic Control Devices	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00
4	Soil Erosion and Sedimentation Control Measures	1	LS	\$7,500.00	\$7,500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00
5	Clearing and Grubbing	1	LS	\$12,000.00	\$12,000.00	\$2,500.00	\$2,500.00	\$6,500.00	\$6,500.00
6	Restoration	1	LS	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00
7	Bypass Pumping	1	LS	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
8	Tree Protection Fence	650	FT	\$10.00	\$6,500.00	\$5.00	\$3,250.00	\$10.00	\$6,500.00
9	Curb and Gutter, Rem	90	LF	\$15.00	\$1,350.00	\$10.00	\$900.00	\$18.00	\$1,620.00
10	Pavt, Rem	173	SY	\$15.00	\$2,595.00	\$10.00	\$1,730.00	\$20.00	\$3,460.00
11	Tree, Rem, 6 inch to 18 inch	7	EA	\$2,000.00	\$14,000.00	\$500.00	\$3,500.00	\$850.00	\$5,950.00
12	Subgrade Undercut (As Needed)	50	CY	\$50.00	\$2,500.00	\$50.00	\$2,500.00	\$50.00	\$2,500.00
13	HDPE to DI Adapter	14	EA	\$1,500.00	\$21,000.00	\$2,500.00	\$35,000.00	\$1,000.00	\$14,000.00
14	Aggregate Base, 8 Inch	159	SY	\$40.00	\$6,360.00	\$35.00	\$5,565.00	\$14.00	\$2,226.00
15	Aggregate Base, 6 inch	36	SY	\$20.00	\$720.00	\$30.00	\$1,080.00	\$13.00	\$468.00
16	HMA, 36A	5	TON	\$300.00	\$1,500.00	\$350.00	\$1,750.00	\$350.00	\$1,750.00
17	HMA, 13A	7	TON	\$300.00	\$2,100.00	\$350.00	\$2,450.00	\$350.00	\$2,450.00
18	HMA, 3C	42	TON	\$300.00	\$12,600.00	\$350.00	\$14,700.00	\$250.00	\$10,500.00
19	HMA, 4C	42	TON	\$300.00	\$12,600.00	\$350.00	\$14,700.00	\$250.00	\$10,500.00
20	HMA, 5 E1	24	TON	\$300.00	\$7,200.00	\$350.00	\$8,400.00	\$275.00	\$6,600.00
21	Curb and Gutter, Conc, Det F4	90	LF	\$100.00	\$9,000.00	\$100.00	\$9,000.00	\$70.00	\$6,300.00
22	Pipe Bursting	181	LF	\$150.00	\$27,150.00	\$150.00	\$27,150.00	\$265.00	\$47,965.00
23	Directional Drill, 10 inch HDPE	1,939	LF	\$150.00	\$290,850.00	\$150.00	\$290,850.00	\$90.00	\$174,510.00
24	Sanitary Forcemain, 10 Inch DI	426	LF	\$350.00	\$149,100.00	\$150.00	\$63,900.00	\$350.00	\$149,100.00
25	Gate Valve and Box, 8 inch	1	EA	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00
26	Air Release Valve, Complete	1	EA	\$10,500.00	\$10,500.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00
27	Vault, 10 Ft x 8 Ft	2	EA	\$35,000.00	\$70,000.00	\$73,000.00	\$146,000.00	\$150,000.00	\$300,000.00
28	Vault, 10 Ft x 6 Ft	1	EA	\$30,000.00	\$30,000.00	\$70,500.00	\$70,500.00	\$125,000.00	\$125,000.00
29	6" Quick Connect & Cap	2	EA	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$1,200.00	\$2,400.00
30	Structure Tap	2	EA	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$1,200.00	\$2,400.00
31	Manhole Bench Restoration	1	EA	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00
32	Inspection Crew Days	\$700.00	DAY	40	\$28,000.00	30	\$21,000.00	60	\$42,000.00
TOTAL				* \$887,297.50		* \$902,250.00		\$1,092,199.00	

Other Bids Received: SUPERIOR EXCAVATING \$1,540,011.65

* NOTES TOTAL BID AMOUNT CORRECTED DUE TO MATH ERROR

BID
for
Hilton Forcemain Replacement

Bid of D & D Water & Sewer, Inc hereinafter called Bidder,
organized and existing under the laws of or a resident of the State of Michigan, doing business as
a corporation _____*.

Insert as applicable: "a corporation", "a partnership" or "an individual".

TO THE CITY OF NOVI, MICHIGAN, hereinafter called OWNER:

The undersigned as Bidder hereby declares: that this Bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that the Bidder has read and examined the Advertisement for Bids, Instructions to Bidders, Bid, General Conditions, Supplementary Conditions, Agreement, Forms of Bond, Specifications and Drawings, as prepared by the ENGINEER, and understands all of the same; that the Bidder of its representative has made personal investigation at the site and has become fully familiar with regard to the conditions to be met in the execution of this Contract, and the undersigned proposes to furnish all labor, materials, tools, power, transportation, and construction equipment necessary for the construction of the Project and performing related work in full accordance with the aforesaid Contract Documents, including any and all Addenda officially issued, their receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
1	2/7/2022
_____	_____
_____	_____
_____	_____

The Contract will be awarded to the lowest responsive, responsible Bidder based on the unit prices for all Work specified.



The Bidder agrees to complete the Project for the following unit prices:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price
1	Mobilization (10% Max)	1	LS	90,325	90,325
2	Pre-Construction Audio-Visual	1	LS	2,500	2,500
3	Temporary Traffic Control Devices	1	LS	10,000	10,000
4	Soil Erosion Control Measures	1	LS	1,500	1,500
5	Clearing and Grubbing	1	LS	2,500	2,500
6	Restoration	1	LS	30,000	30,000
7	Bypass Pumping	1	LS	5,000	5,000
8	Tree Protection Fence	650	FT	5.00	3,250
9	Curb and Gutter, Rem	90	LF	10.00	900
10	Pavt, Rem	173	SY	10.00	1,730
11	Tree, Rem, 6 inch to 18 inch	7	EA	500.00	3,500
12	Subgrade Undercut (As Needed)	50	CY	50.00	2,500
13	HDPE to DI Adapter	14	EA	2,500	35,000
14	Aggregate Base, 8 Inch	159	SY	35.00	5,565
15	Aggregate Base, 6 inch	36	SY	30.00	1,080
16	HMA, 36A	5	Ton	350.00	1,750
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20	HMA, 5 E1	24	Ton	350.00	8,400
21	Curb and Gutter, Conc, Det F4	90	LF	100.00	9,000
22	Pipe Bursting	181	LF	150.00	27,150
23	Directional Drill, 10 inch HDPE	1,939	LF	150.00	290,850
24	Sanitary Forcemain, 10 Inch DI	426	LF	150.00	63,900
25	Gate Valve and Box, 8 inch	1	EA	5,000	5,000
26	Air Release Valve, Complete	1	EA	15,000	15,000
27	Vault, 10 Ft x 8 Ft	2	EA	73,000	146,000



28	Vault, 10 Ft x 6 Ft	1	EA	70,500	70,500
29	6" Quick Connect & Cap	2	EA	3,500	7,000
30	Structure Tap	2	EA	3,500	7,000
31	Manhole Bench Restoration	1	EA	2,500	2,500
32	Inspection Crew Days	30	EA	\$700.00	21,000
PROJECT TOTAL				\$	903,250

If the foregoing Bid shall be accepted by the OWNER, the undersigned agrees to enter into the attached form of Agreement within ten (10) days after receiving notice of such acceptance, will furnish the OWNER satisfactory bonds and certificates of insurance coverage, and will complete the Project, at the price and within the time stated in this Bid.

The undersigned further agrees that if the foregoing Bid shall be accepted, work will commence immediately after the Contract has been awarded, the Agreement executed, and a Notice to Proceed received. **The undersigned shall complete the Work to Substantial Completion within 30 calendar days, and to Final Completion, including restoration and all punch list items, within 45 calendar days.**

The undersigned attaches hereto its Bid security, as required by the Advertisement for Bids and Instructions to Bidders. The undersigned agrees that in case it shall fail to fulfill its obligations under the foregoing Bid, and/or shall fail to furnish bonds, as specified, the OWNER may, at its option determine that the undersigned has abandoned its rights and interests in such Contract and that its Bid security accompanying its Bid; has been forfeited to the said OWNER, but otherwise the Bid security shall be returned to the undersigned upon the execution of the Contract and the acceptance of the bonds.

The undersigned also agrees that for each and every calendar day that he may be in default of Substantial Completion of the Work, within the time specified in this Bid, the OWNER will suffer a damage of Nine Hundred \$900.00 per day, and said OWNER shall be compensated therefore at the rate as liquidated damages in accordance with the Agreement.

In submitting this Bid, it is understood that the right is reserved by the OWNER to accept any bid, to reject any or all Bids, and to waive irregularities in bidding in the interest of the OWNER.

SUBMITTED on 2/11/2022
Date*

5700 Sheldon Rd South
Street*

Canton, MI 48188
City, State, ZIP*

734-397-3386
Telephone Number*

markd@ddwatersewer.com
Email Address*

BY: D & D Water & Sewer, Inc
Name of Bidder*

Mark DiMichele M D
Signature

Mark DiMichele President
Name and Title of Signatory*

*Typed or printed in ink.

