



**CITY OF NOVI CITY COUNCIL
OCTOBER 24, 2022**

SUBJECT: Approval to award emergency water main repairs to D&D Water and Sewer for the repair of water service valves around the Ten Mile and Taft intersection, in the amount of \$98,644, and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Water and Sewer Division

EXPENDITURE REQUIRED	\$ 98,644
AMOUNT BUDGETED	\$ 0
APPROPRIATION REQUIRED	\$ 98,644
LINE ITEM NUMBER	592-592.00-938.000

BACKGROUND INFORMATION:

Staff recently identified a water main valve in need of emergency repair near the intersection of Ten Mile and Taft Roads. During the repair, Water and Sewer Division staff determined the repairs could not be fully completed since additional valves needed to isolate the system were not operational. The circumstances prevented the crew from depressurizing the main as needed and forced a temporary repair to keep the system in operation.

While the temporary fix allowed for normal operation, the valve is currently leaking (creating water loss and potential for failure). Therefore, due to the size and complexity of the repair, the Water and Sewer Division contracted with D&D Water and Sewer to plan and schedule the valve repairs as soon as possible, per the quote they provided for \$98,644 for the following work:

- Install four temporary line stops (used to isolate sections of water main to avoid interrupting water service to large areas)
- Replacement of the valve requiring the emergency repair
- Repair of two adjacent valves that are not fully operational
- Removal of the temporary line stops

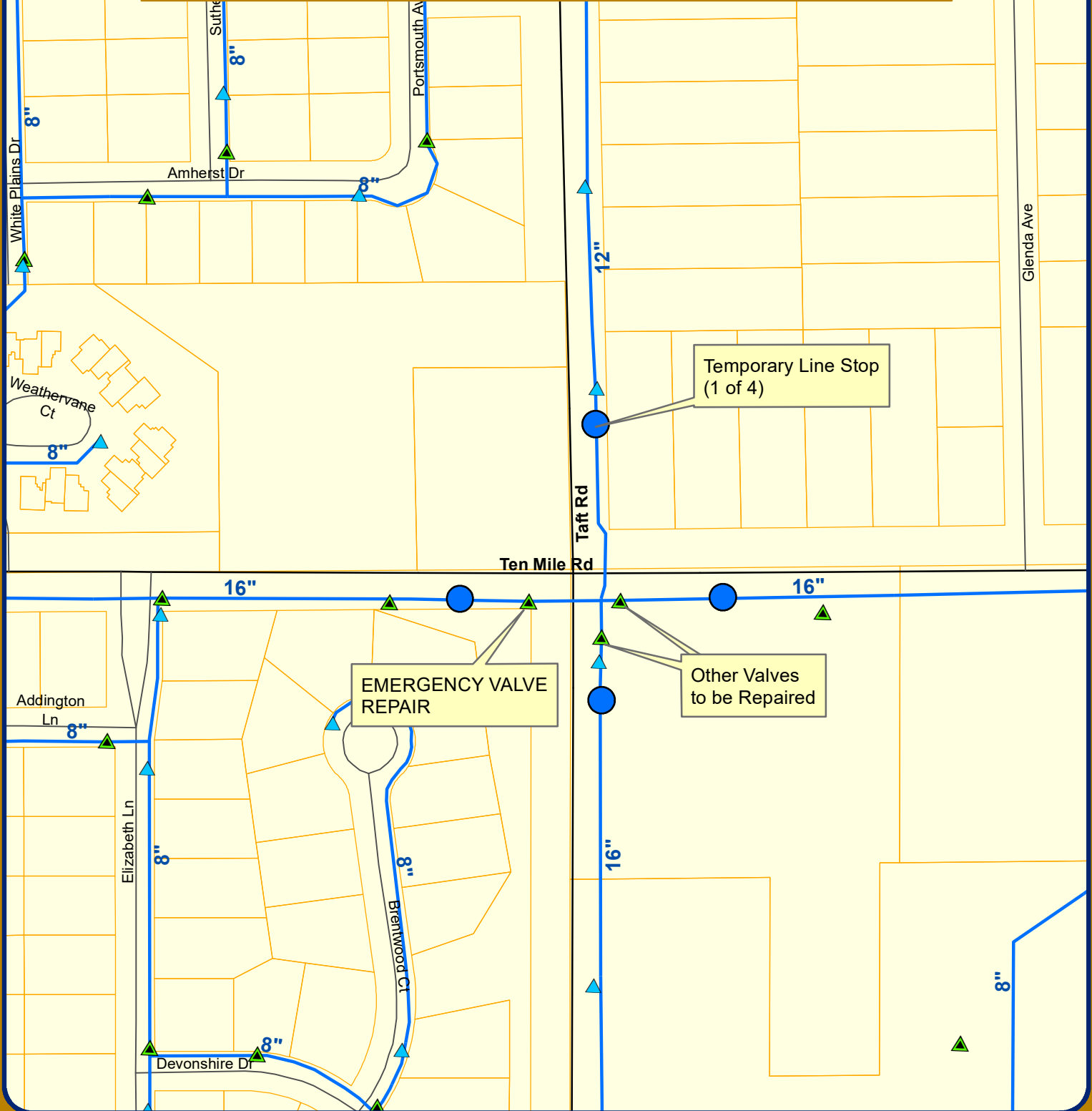
The City and D&D already have a contract for water service connections, miscellaneous work, and emergency repairs. D&D was able to procure the required equipment and parts

to complete the work on an emergency basis. The work being performed should not interrupt water service for residents.

RECOMMENDED ACTION: Approval to award emergency water main repairs to D&D Water and Sewer for the repair of water service valves around the intersection of Ten Mile and Taft Roads, in the amount of \$98,644, and amend the budget.

Emergency Valve Repair at Ten Mile/Taft Intersection

Location Map



Map Author: Croy
 Date: 10/13/22
 Project: Emergency Valve Repair
 Version #: v1.0

MAP INTERPRETATION NOTICE

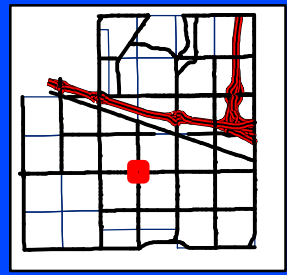
Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate 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

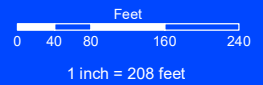
Water Valve

Valve Type

- ▲ Gate
- ▲ Other



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



Proposal



D & D Water & Sewer, Inc.

5700 Sheldon Rd South

Canton, MI 48188

Contact: Mark DiMichele, PE

Phone: 734-368-2375

Fax: 734-397-8486

<u>Quote To:</u>	City of Novi	<u>Job Name:</u>	10 Mile and Taft Rd WM Repair
	Scott Roselle	<u>Date of Proposal:</u>	10/14/2022
<u>Phone:</u>	248-343-1303	<u>Revision Date:</u>	
<u>Email:</u>	sroselle@cityofnovi.org	<u>Plan Date:</u>	NA
		<u>Est No</u>	2022-081

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
100	Install Line Stops	1.00	LS	59,845.00	59,845.00
200	Repair Valves	1.00	LS	13,286.96	13,286.96
300	Remove Line Stops and Restore	1.00	LS	25,511.67	25,511.67
GRAND TOTAL					98,643.63

NOTES:

EXCLUSIONS:

RCOC ROW Permit, Barricades(MOT)

Costs reflected are detailed on the attached excell spreadsheets. These are cost "Estimates" final cost will be based on Time and Material expended on the repair.

Repair					
Gate Well Repairs					
Novi					
10 Mile and Taft					
Install 4 line stops	2 days				
Labor					
	ST Hours	ST Rate	OT Hours	OT Rate	Total
Foreman(1)	16	\$ 85.00	4	\$ 95.00	\$ 1,740.00
Operator(3)	48	\$ 70.00	12	\$ 80.00	\$ 4,320.00
Laborer (4)	96	\$ 65.00	14	\$ 75.00	\$ 7,290.00
Driver(2)	48	\$ 65.00	8	\$ 75.00	\$ 3,720.00
				Subtotal	\$ 17,070.00
Equipment			Hours	Rate	Total
Cat 315 Excavator(2)			10	\$ 110.00	\$ 1,100.00
Semi Truck			5	\$ 110.00	\$ 550.00
TA Dump Truck (1)			5	\$ 95.00	\$ 475.00
Service Truck (2)			10	\$ 75.00	\$ 750.00
Trench Box or plates/day			1	\$ 500.00	\$ 500.00
				Subtotal	\$ 3,375.00
Material		Unit	Quant	Rate	Total
12in Line Stop Sub		ea	1	\$ 6,000.00	\$ 6,000.00
16" Line Stop Sub		ea	3	\$ 10,800.00	\$ 32,400.00
6A Stone		ton	40	\$ 25.00	\$ 1,000.00
				Subtotal	\$ 39,400.00
				Total	\$ 59,845.00

Repair					
Gate Well Repairs					
Novi					
10 Mile and Taft					
Remove Line Stops, Backfill and Restore	2 days				
Labor					
	ST Hours	ST Rate	OT Hours	OT Rate	Total
Foreman(1)	16	\$ 85.00	4	\$ 95.00	\$ 1,740.00
Operator(3)	48	\$ 70.00	12	\$ 80.00	\$ 4,320.00
Laborer (4)	96	\$ 65.00	14	\$ 75.00	\$ 7,290.00
Driver(2)	48	\$ 65.00	8	\$ 75.00	\$ 3,720.00
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Service Truck (2)			10	\$ 75.00	\$ 750.00
Trench Box or plates/day			1	\$ 500.00	\$ 500.00
				Subtotal	\$ 3,375.00
Material		Unit	Quant	Rate	Total
Class 2 Sand		ton	120	\$ 20.00	\$ 2,400.00
Seed and Mulch		sy	133.3333	\$ 20.00	\$ 2,666.67
				Subtotal	\$ 5,066.67
				Total	\$ 25,511.67

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10 Mile and Taft					
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				Subtotal	\$ 39,400.00
				Total	\$ 59,845.00

RESOLUTION

NOW, THEREFORE BE IT RESOLVED
that the following Budget Amendment
for the Emergency Repairs of Water Service Valves
near the intersection of Ten Mile & Taft Roads
by D&D Water and Sewer is authorized:

**INCREASE
(DECREASE)**

WATER & SEWER FUND

APPROPRIATIONS

Other Services & Charges	\$ 98,644
TOTAL APPROPRIATIONS	\$ 98,644
Net Increase (Decrease) to Fund Balance	\$ (98,644)

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 October 24, 2022.

Cortney Hanson
City Clerk