



**CITY OF NOVI CITY COUNCIL
DECEMBER 19, 2022**

SUBJECT: Consideration of approval to award the construction contract to Pamar Enterprises Inc., the low bidder, for the Sanitary Sewer Upgrades (Lanny's Influent and Drakes Bay Effluent) and Pump Station Rehabilitation (Drakes Bay and Wixom Pump Stations) in the amount of \$5,414,736.53 and amend the budget.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 5,414,736.53
AMOUNT BUDGETED	\$ 0
APPROPRIATION REQUIRED	\$ 6,195,504.00
LINE ITEM NUMBER	592-592.00-976.081 592-592.00-976.110

BACKGROUND INFORMATION:

The 2014 Sanitary Sewer Capacity Assessment identified two sections of sanitary sewer between the Drake's Bay lift station and Lanny's lift station with insufficient capacity to handle current flow rates, as well as potential future flow. Spalding DeDecker completed a preliminary study for upsizing these sewer sections, which identified the need to replace 1,200 feet of 18-inch diameter sewer with 21-inch, and the need to replace 1,600 feet of 12-inch with 15-inch. The project will prevent surcharging from existing users and will also be able to handle future flows if there is additional development in this area of the City. Additionally, the existing sanitary pumps and generators in the Drakes Bay and Wixom pump stations need to be replaced to handle these flow rates. This project was originally planned for FY 2023-24; however, staff advanced the timeline to better coordinate construction with the upcoming Wixom Road Rehabilitation project.

Spalding DeDecker assisted the Engineering Division with developing the engineering design plans for this project. The plans were advertised for public bids on September 27, 2022. Two (2) bids were received and opened on November 1, 2022, following the

solicitation period. Pamar Enterprises' bid is recommended in the best interest of the City, as it is responsive and complies with all requirements of the bidding instructions.

Bid prices for this project came in higher than the original engineer's estimate of \$2,516,821. Spalding DeDecker evaluated the low bid and investigated why the total project costs came in substantially higher than the engineer's estimate. Discovery is as follows:

1. Contractor availability is lower than anticipated
2. Inflation costs for materials and staffing
3. Project complexity (scope of sewer pipe bursting)
4. The equipment needed for the proposed construction method (pipe bursting into the existing manholes to reduce excavation and dewatering) is unique

Staff considered the possibility of re-packaging the project scope and design to solicit lower prices. However, based on the above discussions with contractors, and the previous attempt to bid the pump station projects separately (no bids were received), the best course of action would be to move forward with the current low bid contractor.

The bid was split into three main base bids (sanitary sewer upscale, Drakes Bay pump station improvements, Wixom Road pump station improvements) and included three optional alternates:

1. Drakes Bay pump station sanitary sewer inlet reconfiguration
2. Drakes Bay pump station pump pedestal replacement
3. Wixom Road pump station pump pedestal replacement

While Alternate 1 would help simplify future bypass pumping and maintenance operations, staff eliminated it because the bid amount of \$1,0594,790 is not a reasonable or cost-effective solution. Therefore, Alternate 1 has been excluded from the construction contract award. Alternate 2 and 3 are included, which were bid at \$ 17,200 for each.

A summary of the bids is as follows:

Contractor	Total Program Bid (includes Crew Days) *
Pamar Enterprises, Inc.	\$ 5,553,936.53
L. D'Agostini and Sons, Inc.	\$ 8,359,092.00

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

The construction schedule for this project will depend on material and equipment availability.

The contract administration and geotechnical engineering services related to this project will be awarded to the City's 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	4.5% of the construction award (\$5,414,736.53 X 0.045)	\$243,663.14
Crew Days	\$800 daily inspection fee x 174 days	\$139,200.00
Geotechnical Engineering		
Material Testing	1.9% of the construction award (\$5,414,736.53 x 0.019)	\$102,879.99

RECOMMENDED ACTION: Approval to award the construction contract to Pamar Enterprises, the low bidder, for the Sanitary Sewer Upgrades (Lanny's Influent and Drakes Bay Effluent) and Pump Station Rehabilitation (Drakes Bay and Wixom Pump Stations) in the amount of \$5,414,736.53 and amend the budget.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED
that the following Budget Amendment for the construction contract to
Pamar Enterprises Inc. for the Sanitary Sewer Upgrades (Lanny's
Influent and Drakes Bay Effluent) and Pump Station Rehabilitation
(Drakes Bay and Wixom Pump Stations) is authorized:

**INCREASE
(DECREASE)**

WATER & SEWER FUND

APPROPRIATIONS

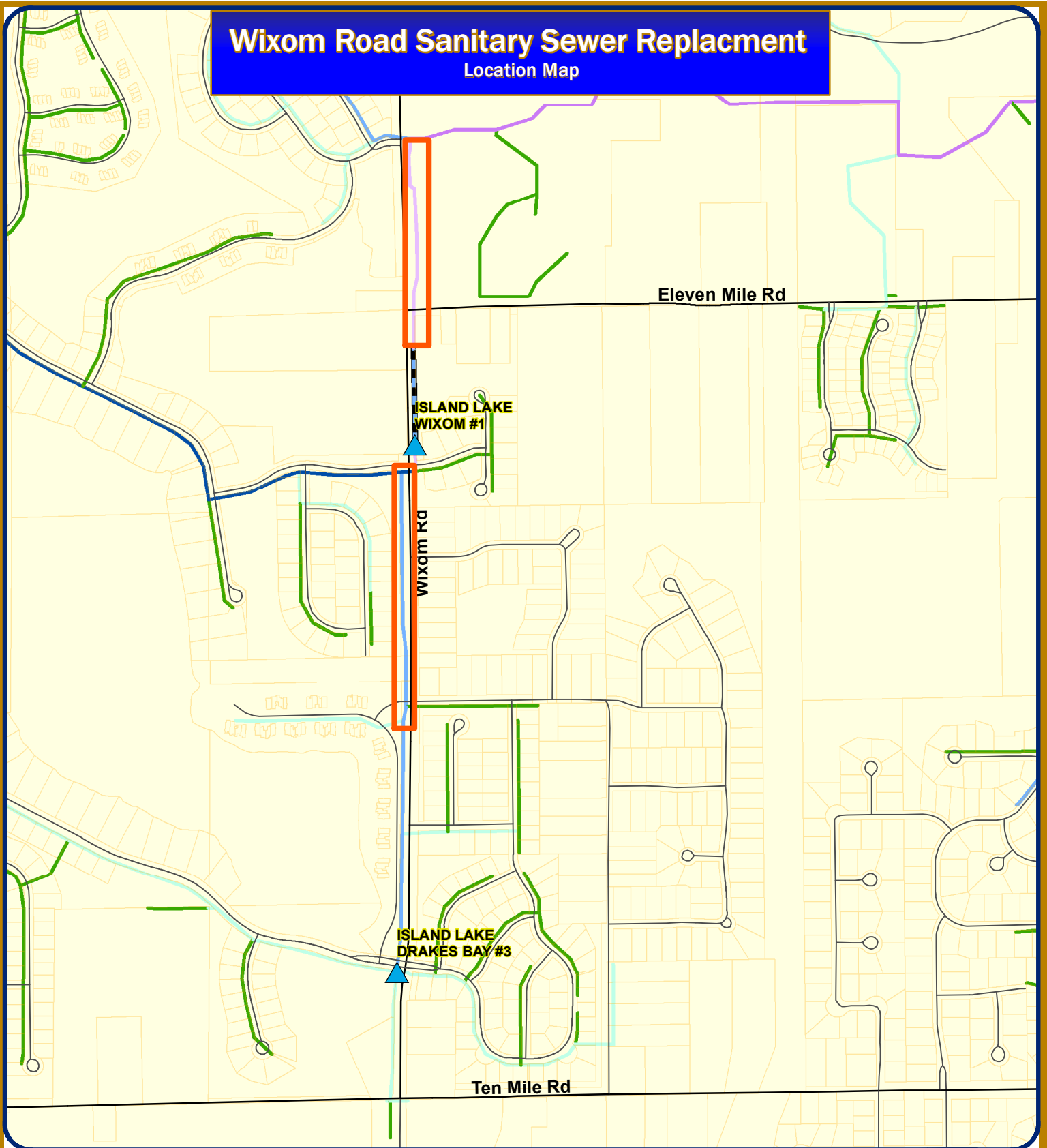
Capital Outlay	\$ 6,195,504
TOTAL APPROPRIATIONS	\$ 6,195,504
Net Increase (Decrease) to Fund Balance	\$ (6,195,504)

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 December 19, 2022.

Cortney Hanson
City Clerk

Wixom Road Sanitary Sewer Replacment

Location Map














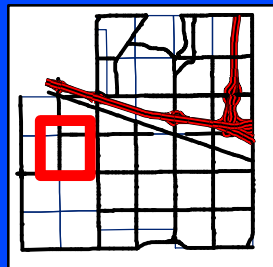
Map Author: R. Runkel
 Date: 12/4/20
 Project: Wixom Rd Sanitary Sewer
 Version #: v1.0

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

-  Sanitary Lift Station
-  Force Main
-  Sanitary Gravity Main
-  6"
-  8"
-  10.0"
-  12.0"
-  15.0"
-  18.0"
-  21.0"
-  12"



City of Novi

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



1 inch = 875 feet



November 23, 2022

Ben Croy, P.E.
Township Engineer
City of Novi
45175 Novi Road
Novi, MI 48375

Re: Wixom Road Sanitary Sewer Replacement and Pump Station Reconstruction
Job No.: NV20004

Dear Mr. Croy:

As you are aware, the Wixom Sanitary Sewer Replacement and Pump Station Reconstruction project was designed and let for bid on September 27, 2022 and opened on November 1, 2022. Upon reviewing the two (2) bids received, Spalding DeDecker (SD) recognized that the project came in over our Engineer's Estimate. We reached out to the apparent low bidder and other potential bidders who ultimately decided not to bid the project and/or didn't attend the pre-bid meeting.

During our conversations with the Contractors, we discovered a few items that may have contributed to a higher-than-anticipated bid result and while also identifying some additional information that we believe is helpful.

1. Contractor availability is lower than anticipated with projects booked well into the 2023 construction season.
2. Inflation costs for not only materials, but staffing as well, has greatly affected bids.
3. Every Contractor we spoke with stated that this is a very difficult project whether you excavate the whole length of the sanitary sewer or pipe burst portions of it. Most stated that open excavation installation would have been similar if not more costly than the chosen method.
4. Initially we believed, based on conversations with several area Contractors, that it was likely that the construction method would include pipe bursting into the existing manholes thus reducing the level of excavation and dewatering and potentially reducing cost. However, in subsequent conversations after the bid we identified that the equipment necessary to accomplish that task has largely become unavailable for the foreseeable future.

The bid itself is split into three main base bids including the following:

1. Wixom Road Sanitary Sewer Replacement
2. Drakes Bay Pump Station Improvements
3. Wixom Road Pump Station Improvement

The bid also included several alternates that are options, but not required, to improve the functionality of the infrastructure for future maintenance purposes. Those include the following:

1. Drakes Bay Pump Station – Sanitary Sewer Re-Route
2. Drakes Bay Pump Station – Pump Pedestal Replacement
3. Wixom Road Pump Station – Pump Pedestal Replacement



The intent of Alternate 1 was to allow for the re-routing/re-configuration of the existing sanitary sewer inflows into the Drakes Bay pump station consolidating the three (3) separate sewer inflows into a single inflow. While this alternate would help with future bypass pumping and maintenance operations we do not believe that the current bid amount of \$1,054,790 is a reasonable or cost-effective solution and therefore do not recommend moving forward with that solution. However, based on the information gathered pre and post bid opening, we do recommend awarding the remainder of the project including the 3 base bids and the other two alternates for a total contract award of \$5,553,936.53.

Sincerely,

SPALDING DEDECKER

A handwritten signature in black ink, appearing to read 'Jeremy J. Schrot'.

Jeremy Schrot, P.E.
Vice President



**BID TABULATION - WIXOM ROAD SANITARY SEWER REPLACEMENT
AND DRAKES BAY AND WIXOM ROAD PUMP STATION RECONSTRUCTION
CITY OF NOVI**

Project No. **NV20004**

By: **LA**

Reviewed: **PRS**

2 Bids received, opened 11/01/2022

BASE BID				PAMAR ENTERPRISES		L. D'AGOSTINI AND SONS	
WIXOM RD SANITARY SEWER REPLACEMENT							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 385,000.00	\$ 385,000.00	\$ 611,009.50	\$ 611,009.50
2	Pre-Construction Audio-Visual	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 2,193.50	\$ 2,193.50
3	Soil Erosion Control Measures	1	LS	\$ 5,500.00	\$ 5,500.00	\$ 19,389.00	\$ 19,389.00
4	Temporary Traffic Control Devices	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 48,316.00	\$ 48,316.00
5	Clearing and Grubbing	1	LS	\$ 9,000.00	\$ 9,000.00	\$ 15,680.00	\$ 15,680.00
6	Tree Protection Fencing	400	FT	\$ 7.00	\$ 2,800.00	\$ 11.00	\$ 4,400.00
7	Bypass Pumping	1	LS	\$ 356,000.00	\$ 356,000.00	\$ 600,463.00	\$ 600,463.00
8	Subgrade Undercut	200	CY	\$ 49.00	\$ 9,800.00	\$ 125.50	\$ 25,100.00
9	Tree, Rem, 6 Inch to 18 Inch	7	EA	\$ 500.00	\$ 3,500.00	\$ 1,327.50	\$ 9,292.50
10	Sewer, Rem, 24 Inch to 48 Inch	94	FT	\$ 120.00	\$ 11,280.00	\$ 136.50	\$ 12,831.00
11	Sanitary Sewer Lead, Rem	151	FT	\$ 65.00	\$ 9,815.00	\$ 88.50	\$ 13,363.50
12	Curb and Gutter, Rem	24	FT	\$ 25.00	\$ 600.00	\$ 134.00	\$ 3,216.00
13	Pavt, Rem	359	SY	\$ 38.00	\$ 13,642.00	\$ 45.00	\$ 16,155.00
14	Sidewalk, Rem	26	SY	\$ 18.00	\$ 468.00	\$ 20.00	\$ 520.00
15	Structure Tap	32	EA	\$ 100.00	\$ 3,200.00	\$ 4,833.50	\$ 154,672.00
16	Pipe Bursting, 18 Inch HDPE DR11	1,664	FT	\$ 897.00	\$ 1,492,608.00	\$ 1,100.00	\$ 1,830,400.00
17	Sanitary Sewer, 21 Inch SDR 26	94	FT	\$ 909.00	\$ 85,446.00	\$ 1,050.00	\$ 98,700.00
18	Pipe Bursting, 22 Inch HDPE DR11	1,448	FT	\$ 909.00	\$ 1,316,232.00	\$ 1,010.00	\$ 1,462,480.00
19	Electrofusion Coupling, 6 Inch	15	EA	\$ 1,000.00	\$ 15,000.00	\$ 5,500.00	\$ 82,500.00
20	Sanitary Sewer, Serv Lead, PVC, 6 Inch	149	FT	\$ 356.00	\$ 53,044.00	\$ 6,150.00	\$ 916,350.00
21	Internal Drop Connector	1	EA	\$ 4,530.00	\$ 4,530.00	\$ 5,572.00	\$ 5,572.00
22	Manhole Bench Reconstruction	18	EA	\$ 0.01	\$ 0.18	\$ 3,451.00	\$ 62,118.00
23	Manhole Lining	18	EA	\$ 0.01	\$ 0.18	\$ 6,163.00	\$ 110,934.00
24	Str. Rehab Type 1: Point-Up Structure	17	EA	\$ 0.01	\$ 0.17	\$ 2,901.50	\$ 49,325.50
25	Sewer, CL IV, RCP, 36 Inch	32	FT	\$ 450.00	\$ 14,400.00	\$ 400.00	\$ 12,800.00
26	Curb and Gutter, Conc, Det F4	22	FT	\$ 70.00	\$ 1,540.00	\$ 102.50	\$ 2,255.00
27	HMA, 36A	44	TON	\$ 200.00	\$ 8,800.00	\$ 367.00	\$ 16,148.00
28	HMA, 13A	89	TON	\$ 200.00	\$ 17,800.00	\$ 367.00	\$ 32,663.00
29	HMA, 5E1	17	TON	\$ 250.00	\$ 4,250.00	\$ 440.00	\$ 7,480.00
30	HMA, 4C	11	TON	\$ 250.00	\$ 2,750.00	\$ 440.00	\$ 4,840.00
31	HMA, 3C	28	TON	\$ 200.00	\$ 5,600.00	\$ 440.00	\$ 12,320.00
32	ADA Ramp, Conc, 6 Inch	240	SF	\$ 20.00	\$ 4,800.00	\$ 29.50	\$ 7,080.00
33	Aggregate Base, 21AA Limestone, 6 Inch	309	SY	\$ 46.00	\$ 14,214.00	\$ 37.00	\$ 11,433.00
34	Aggregate Base, 21AA Limestone, 8 Inch	42	SY	\$ 55.00	\$ 2,310.00	\$ 73.50	\$ 3,087.00
35	Detectable Warning Surface	16	SF	\$ 60.00	\$ 960.00	\$ 88.00	\$ 1,408.00
36	Tree Replacement	11	EA	\$ 650.00	\$ 7,150.00	\$ 7,685.50	\$ 84,540.50
37	Restoration Wixom Road Sanitary	1	LS	\$ 89,000.00	\$ 89,000.00	\$ 46,842.50	\$ 46,842.50
38	Inspection Crew Days	\$800.00	DAY	101.00	\$ 80,800.00	190.00	\$ 152,000.00
WIXOM RD SANITARY SEWER REPLACEMENT TOTAL					\$ 4,108,339.53		\$ 6,549,877.50

DRAKES BAY PUMP STATION IMPROVEMENTS							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$55,000.00	\$ 55,000.00	\$ 50,988.50	\$ 50,988.50
2	Pre-Construction Audio-Visual	1	LS	\$1,500.00	\$ 1,500.00	\$ 726.50	\$ 726.50
3	Soil Erosion Control Measures	1	LS	\$1,900.00	\$ 1,900.00	\$ 19,389.00	\$ 19,389.00
4	Temporary Traffic Control Devices	1	LS	\$12,100.00	\$ 12,100.00	\$ 48,316.00	\$ 48,316.00
5	Concrete Pad Removal	124	SF	\$3.00	\$ 372.00	\$ 26.50	\$ 3,286.00
6	Existing Generator, Remove	1	EA	\$13,939.00	\$ 13,939.00	\$ 16,116.50	\$ 16,116.50
7	Remove Electrical & Controls	1	LS	\$9,648.00	\$ 9,648.00	\$ 16,116.50	\$ 16,116.50
8	Generator Upgrade	1	LS	\$156,749.00	\$ 156,749.00	\$ 88,040.00	\$ 88,040.00
9	Controls Cabinet, Complete	1	LS	\$26,477.00	\$ 26,477.00	\$ 2,201.00	\$ 2,201.00
10	Electrical, Complete	1	LS	\$45,760.00	\$ 45,760.00	\$ 88,040.00	\$ 88,040.00
11	Concrete Pad, Complete	125	SF	\$73.00	\$ 9,125.00	\$ 104.50	\$ 13,062.50
12	Remove Existing Pump	2	EA	\$11,234.00	\$ 22,468.00	\$ 45,000.00	\$ 90,000.00
13	Pump Installation, Complete	2	EA	\$98,970.00	\$ 197,940.00	\$ 100,000.00	\$ 200,000.00
14	Inspection Crew Days	\$800.00	DAY	32.00	\$ 25,600.00	45.00	\$ 36,000.00
DRAKES BAY PUMP STATION IMPROVEMENTS TOTAL					\$ 578,578.00		\$ 672,282.50

WIXOM ROAD PUMP STATION							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$78,000.00	\$ 78,000.00	\$ 81,831.00	\$ 81,831.00
2	Pre-Construction Audio-Visual	1	LS	\$1,500.00	\$ 1,500.00	\$ 726.50	\$ 726.50
3	Soil Erosion Control Measures	1	LS	\$1,900.00	\$ 1,900.00	\$ 19,389.00	\$ 19,389.00
4	Temporary Traffic Control Devices	1	LS	\$5,050.00	\$ 5,050.00	\$ 48,316.00	\$ 48,316.00
5	Pavt, Rem	76	SY	\$40.00	\$ 3,040.00	\$ 54.00	\$ 4,104.00
6	Curb and Gutter, Rem	93	LF	\$25.00	\$ 2,325.00	\$ 134.00	\$ 12,462.00
7	Clear and Grub	108	SY	\$15.00	\$ 1,620.00	\$ 145.00	\$ 15,660.00
8	Tree Protection Fencing	20	LF	\$12.00	\$ 240.00	\$ 9.50	\$ 190.00
9	Existing Generator, Remove	1	EA	\$21,980.00	\$ 21,980.00	\$ 16,116.50	\$ 16,116.50
10	Remove Electrical & Controls	1	LS	\$10,647.00	\$ 10,647.00	\$ 16,116.50	\$ 16,116.50
11	Aggregate Base, 21AA Limestone, 8 Inch	185	SY	\$55.00	\$ 10,175.00	\$ 236.00	\$ 43,660.00
12	Subgrade Undercut (As Needed)	15	CY	\$70.00	\$ 1,050.00	\$ 112.50	\$ 1,687.50
13	HMA, 5E1	32	TON	\$560.00	\$ 17,920.00	\$ 403.50	\$ 12,912.00
14	HMA, 4C	32	TON	\$303.00	\$ 9,696.00	\$ 403.50	\$ 12,912.00
15	Curb Ramp Opening, Conc	93	LF	\$129.00	\$ 11,997.00	\$ 102.50	\$ 9,532.50
16	Generator Upgrade	1	LS	\$298,670.00	\$ 298,670.00	\$ 257,516.50	\$ 257,516.50
17	Controls Cabinet, Complete	1	LS	\$26,477.00	\$ 26,477.00	\$ 2,934.50	\$ 2,934.50
18	Electrical, Complete	1	LS	\$62,760.00	\$ 62,760.00	\$ 142,331.00	\$ 142,331.00
19	Remove Existing Pump	2	EA	\$11,234.00	\$ 22,468.00	\$ 45,000.00	\$ 90,000.00
20	Pump Installation, Complete	2	EA	\$98,690.00	\$ 197,380.00	\$ 100,000.00	\$ 200,000.00
21	By-Pass Valve, Complete	1	EA	\$7,890.00	\$ 7,890.00	\$ 11,342.50	\$ 11,342.50
22	Restoration W.R.	1	LS	\$10,234.00	\$ 10,234.00	\$ 36,694.00	\$ 36,694.00
23	Inspection Crew Days	\$800.00	DAY	37.00	\$ 29,600.00	45.00	\$ 36,000.00
WIXOM ROAD PUMP STATION TOTAL					\$ 832,619.00		\$ 1,072,434.00

ALTERNATE 1: DRAKES BAY PUMP STATION							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Sanitary Sewer, Rem	34	LF	\$250.00	\$ 8,500.00	\$ 324.00	\$ 11,016.00
2	Pavt, Rem	20	SY	\$40.00	\$ 800.00	\$ 245.00	\$ 4,900.00
3	Curb and Gutter, Rem	24	LF	\$25.00	\$ 600.00	\$ 144.50	\$ 3,468.00
4	Tree Protection Fencing	40	LF	\$10.00	\$ 400.00	\$ 24.50	\$ 980.00
5	Clear and Grub	68	SY	\$30.00	\$ 2,040.00	\$ 230.50	\$ 15,674.00
6	HMA, 36A	5	TON	\$605.00	\$ 3,025.00	\$ 440.00	\$ 2,200.00
7	HMA, 13A	8	TON	\$1,014.00	\$ 8,112.00	\$ 440.00	\$ 3,520.00
8	HMA, 5E1	9	TON	\$1,014.00	\$ 9,126.00	\$ 440.00	\$ 3,960.00
9	HMA, 4C	13	TON	\$605.00	\$ 7,865.00	\$ 440.00	\$ 5,720.00
10	HMA, 3C	13	TON	\$605.00	\$ 7,865.00	\$ 440.00	\$ 5,720.00
11	Curb and Gutter, Conc, Det F4	24	LF	\$110.00	\$ 2,640.00	\$ 102.50	\$ 2,460.00
12	Aggregate Base, 21AA Limestone, 6 Inch	41	SY	\$46.00	\$ 1,886.00	\$ 236.00	\$ 9,676.00
13	Aggregate Base, 21AA Limestone, 8 Inch	55	SY	\$55.00	\$ 3,025.00	\$ 236.00	\$ 12,980.00
14	Sanitary Sewer Structure	3	EA	\$19,050.00	\$ 57,150.00	\$ 51,508.00	\$ 154,524.00
15	Sanitary Sewer, 8" Dia	14	LF	\$21,678.00	\$ 303,492.00	\$ 2,806.00	\$ 39,284.00
16	Sanitary Sewer, 12" Dia	16	LF	\$22,834.00	\$ 365,344.00	\$ 2,806.50	\$ 44,904.00
17	Sanitary Sewer, 15" Dia	8	LF	\$26,490.00	\$ 211,920.00	\$ 1,580.50	\$ 12,644.00
18	Restoration Alt 1	1	LS	\$45,000.00	\$ 45,000.00	\$ 36,694.00	\$ 36,694.00
19	Inspection Crew Days	\$800.00	DAY	20.00	\$ 16,000.00	30.00	\$ 24,000.00
ALTERNATE 1: DRAKES BAY PUMP STATION TOTAL					\$ 1,054,790.00		\$ 394,324.00

ALTERNATE 2: DRAKES BAY PUMP STATION							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Pump Pedestal Replacement (D.B.)	2	EA	\$7,800.00	\$ 15,600.00	\$14,924.50	\$ 29,849.00
2	Inspection Crew Days	\$800.00	DAY	2.00	\$ 1,600.00	3.00	\$ 2,400.00
ALTERNATE 2: DRAKES BAY PUMP STATION TOTAL					\$ 17,200.00		\$ 32,249.00

ALTERNATE 3: WIXOM ROAD PUMP STATION							
No		QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Pump Pedestal Replacement (W.R.)	2	EA	\$7,800.00	\$ 15,600.00	\$14,924.50	\$ 29,849.00
2	Inspection Crew Days	\$800.00	DAY	2.00	\$ 1,600.00	3.00	\$ 2,400.00
ALTERNATE 3: WIXOM ROAD PUMP STATION TOTAL					\$ 17,200.00		\$ 32,249.00

WIXOM TOTAL **\$ 6,608,726.53** **\$ 8,753,416.00**

BID
For
Wixom Road Sanitary Sewer Replacement and Drakes Bay and Wixom Road Pump Station
Reconstruction

Bid of Pamar Enterprises, 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 or 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
<u>#1</u>	<u>9-30-22</u>
<u>#2</u>	<u>10-5-22</u>
<u>#3</u>	<u>10-19-22</u>
<u>#4</u>	<u>10-21-22</u>

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:

Addendum No 4

WIXOM RD SANITARY SEWER REPLACEMENT:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
101	Bonds, Insurance and Mobilization (10% Max)	1	LS	385,000.00	385,000.00	01 02 00
102	Pre-Construction Audio-Visual	1	LS	1,500.00	1,500.00	01 02 00
103	Soil Erosion Control Measures	1	LS	5,500.00	5,500.00	01 03 00
104	Temporary Traffic Control Devices	1	LS	75,000.00	75,000.00	01 03 00
105	Clearing and Grubbing	1	LS	9,000.00	9,000.00	01 03 00
106	Tree Protection Fencing	400	FT	7.00	2,800.00	01 03 00
107	Bypass Pumping	1	LS	356,000.00 ⁰² 356,000.00 ⁰² 356,000.00 ⁰²	356,000.00 ⁰² 356,000.00 ⁰²	01 03 00
108	Subgrade Undercut	200	CY	49.00	9,800.00	01 03 00
109	Tree, Rem, 6 Inch to 18 Inch	7	EA	500.00	3,500.00	M202
110	Sewer, Rem, 24 Inch to 48 Inch	94	FT	120.00	11,280.00	M203
111	Sanitary Sewer Lead, Rem	151	FT	65.00	9,815.00	M203
112	Curb and Gutter, Rem	24	FT	25.00	600.00	01 03 00
113	Pavt, Rem	359	SY	38.00	13,642.00	M204
114	Sidewalk, Rem	26	SY	18.00	468.00	01 03 00
115	Structure Tap	32	EA	100.00	3,200.00	01 03 00
116	Pipe Bursting, 18 Inch HDPE DR11	1664	FT	897.00	1,492,608.00	33 33 00
117	Sanitary Sewer, 21 Inch SDR 26	94	FT	909.00	85,446.00	01 03 00
118	Pipe Bursting, 22 Inch HDPE DR11	1448	FT	909.00	1,316,232.00	33 33 00
119	Electrofusion Coupling, 6 Inch	15	EA	1,000.00	15,000.00	33 33 00
120	Sanitary Sewer, Serv Lead, PVC, 6 Inch	149	FT	356.00	53,044.00	M825
121	Internal Drop Connection	1	EA	4,530.00	4,530.00	01 03 00
122	Manhole Bench Reconstruction	18	EA	0.01	0.18	01 03 00
123	Manhole Lining	18	EA	0.01	0.18	01 03 00
124	Str. Rehab Type 1: Point-Up Structure	17	EA	0.01	0.17	01 03 00
125	Sewer, CL IV, RCP, 36 Inch	32	FT	450.00	14,400.00	M402

126	Curb and Gutter, Conc, Det F4	22	FT	70.00	1,540.00	03 10 00
127	HMA, 36A	44	TON	200.00	8,800.00	01 02 00
128	HMA, 13A	89	TON	200.00	17,800.00	01 02 00
129	HMA, 5E1	17	TON	250.00	4,250.00	01 02 00
130	HMA, 4C	11	TON	250.00	2,750.00	01 02 00
131	HMA, 3C	28	TON	200.00	5,600.00	01 02 00
132	ADA Ramp, Conc, 6 Inch	240	SF	20.00	4,800.00	01 03 00
133	Aggregate Base, 21AA Limestone, 6 Inch	309	SY	46.00	14,214.00	01 03 00
134	Aggregate Base, 21AA Limestone, 8 Inch	42	SY	55.00	2,310.00	01 03 00
135	Detectable Warning Surface	16	SF	60.00	960.00	M803
136	Tree Replacement	11	EA	650.00	7,150.00	01 03 00
137	Restoration Wixom Road Sanitary	1	LS	89,000.00	89,000.00	01 03 00
138	Inspection Crew Days	101.00	DAY	\$800.00	80,800.00	
TOTAL WIXOM ROAD SANITARY SEWER:					3,982,339.53	
					4,108,339.53	

DRAKES BAY PUMP STATION IMPROVEMENTS:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
201	Bonds, Insurance and Mobilization (10% Max)	1	LS	55,000.00	55,000.00	01 02 00
202	Pre-Construction Audio-Visual	1	LS	1,500.00	1,500.00	01 02 00
203	Soil Erosion Control Measures	1	LS	1,900.00	1,900.00	01 03 00
204	Temporary Traffic Control Devices	1	LS	12,100.00	12,100.00	01 03 00
205	Concrete Pad Removal	124	SF	3.00	372.00	01 03 00
206	Existing Generator, Remove	1	EA	13,939.00	13,939.00	01 03 00
207	Remove Electrical & Controls	1	LS	9,648.00	9,648.00	01 03 00
208	Generator Upgrade	1	LS	156,749.00	156,749.00	01 03 00
209	Controls Cabinet, Complete	1	LS	26,477.00	26,477.00	01 03 00
210	Electrical, Complete	1	LS	45,760.00	45,760.00	01 03 00
211	Concrete Pad, Complete	125	SF	73.00	9,125.00	01 03 00



212	Remove Existing Pump	2	EA	11,234.00	22,468.00	01 03 00
213	Pump Installation, Complete	2	EA	98,970.00	197,940.00	01 03 00
214	Inspection Crew Days	32.0	DAY	\$800.00	25,600.00	
TOTAL DRAKES BAY PUMP STATION:				\$	578,578.00	

WIXOM ROAD PUMP STATION:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
301	Bonds, Insurance and Mobilization (10% Max)	1	LS	78,000.00	78,000.00	01 02 00
302	Pre-Construction Audio-Visual	1	LS	1,500.00	1,500.00	01 02 00:
303	Soil Erosion Control Measures	1	LS	1,900.00	1,900.00	01 03 00
304	Temporary Traffic Control Devices	1	LS	5,050.00	5,050.00	01 03 00
305	Pavt, Rem	76	SY	40.00	3,040.00	M204
306	Curb and Gutter, Rem	93	LF	25.00	2,325.00	01 03 00
307	Clear and Grub	108	SY	15.00	1,620.00	01 03 00
308	Tree Protection Fencing	20	LF	12.00	240.00	01 03 00
309	Existing Generator, Remove	1	EA	21,980.00	21,980.00	01 03 00
310	Remove Electrical & Controls	1	LS	10,647.00	10,647.00	01 03 00
311	Aggregate Base, 21AA Limestone, 8 Inch	185	SY	55.00	10,175.00	01 03 00
312	Subgrade Undercut (As Needed)	15	CY	70.00	1,050.00	01 03 00
313	HMA, 5E1	32	TON	560.00	17,920.00	01 03 00
314	HMA, 4C	32	TON	303.00	9,696.00	01 03 00
315	Curb Ramp Opening, Conc	93	LF	129.00	11,997.00	01 03 00
316	Generator Upgrade	1	LS	298,670.00	298,670.00	01 03 00
317	Controls Cabinet, Complete	1	LS	26,477.00	26,477.00	01 03 00
318	Electrical, Complete	1	LS	62,760.00	62,760.00	01 03 00
319	Remove Existing Pump	2	EA	11,234.00	22,468.00	01 03 00
320	Pump Installation, Complete	2	EA	98,690.00	197,380.00	01 03 00
321	By-Pass Valve, Complete	1	EA	7,890.00	7,890.00	01 03 00

322	Restoration W.R.	1	LS	10,234.00	10,234.00	01 03 00
323	Inspection Crew Days	37.0	DAY	\$800.00	29,600.00	
TOTAL WIXOM ROAD PUMP STATION:				\$ 832,619.00		

ALTERNATE 1: DRAKES BAY PUMP STATION:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
401	Sanitary Sewer, Rem	34	LF	250.00	8,500.00	01 03 00
402	Pavt, Rem	20	SY	40.00	800.00	M204
403	Curb and Gutter, Rem	24	LF	25.00	600.00	01 03 00
404	Tree Protection Fencing	40	LF	10.00	400.00	01 03 00
405	Clear and Grub	68	SY	30.00	2,040.00	01 03 00
406	HMA, 36A	5	TON	605.00	3,025.00	01 03 00
407	HMA, 13A	8	TON	1,014.00	8,112.00	01 03 00
408	HMA, 5E1	9	TON	1,014.00	9,126.00	01 03 00
409	HMA, 4C	13	TON	605.00	7,865.00	01 03 00
410	HMA, 3C	13	TON	605.00	7,865.00	01 03 00
411	Curb and Gutter, Conc, Det F4	24	LF	110.00	2,640.00	01 03 00
412	Aggregate Base, 21AA Limestone, 6 Inch	41	SY	46.00	1,886.00	01 03 00
413	Aggregate Base, 21AA Limestone, 8 Inch	55	SY	55.00	3,025.00	01 03 00
414	Sanitary Sewer Structure	3	EA	19,050.00	57,150.00	01 03 00
415	Sanitary Sewer, 8" Dia	14	LF	21,678.00	303,492.00	01 03 00
416	Sanitary Sewer, 12" Dia	16	LF	22,834.00	365,344.00	01 03 00
417	Sanitary Sewer, 15" Dia	8	LF	26,490.00	211,920.00	01 03 00
418	Restoration Alt 1	1	LS	45,000.00	45,000.00	01 03 00
419	Inspection Crew Days	20.0	DAY	\$800.00	16,000.00	
TOTAL ALTERNATE 1:				\$ 1,054,790.00		

ALTERNATE 2: DRAKES BAY PUMP STATION

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
501	Pump Pedestal Replacement (D.B.)	2	EA	7,800.00	15,600.00	01 03 00
502	Inspection Crew Days	2.0	DAY	\$800.00	1,600.00	
TOTAL ALTERNATE 2:				\$	17,200.00	

ALTERNATE 3: WIXOM ROAD PUMP STATION

Item No.	Item Description	Qty	Unit	Unit Price	Total Price	Reference Section
601	Pump Pedestal Replacement (W.R.)	2	EA	7,800.00	15,600.00	01 03 00
602	Inspection Crew Days	2.0	DAY	\$800.00	1,600.00	
TOTAL ALTERNATE 3:				\$	17,200.00	



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 including restoration and all punch list items by November 1, 2023. Once work has commenced, the Contractor shall remain in active operation until the project is completed, unless otherwise authorized by the Owner.**

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 One Thousand Five Hundred \$1500.00 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 10-25-22
Date*

BY: Pamar Enterprises, Inc.
Name of Bidder*

31604 Pamar Court
Street*


Signature

New Haven, MI 48048
City, State, ZIP*

Rinaldo G. Acciavatti, President
Name and Title of Signatory*

(586) 749-8593
Telephone Number*

(586) 749-8839
Facsimile Number*

*Typed or printed in ink.