



**CITY OF NOVI CITY COUNCIL**  
**JULY 27, 2020**

**SUBJECT:** Consideration of approval to award the construction contract for the 2020 Sanitary Pipe and Manhole Rehabilitation project, to Pipeline Management Company, the low-bidder, in the amount of \$1,031,304, and amend the budget.

**SUBMITTING DEPARTMENT:** Department of Public Works, Water & Sewer Division

<b>EXPENDITURE REQUIRED</b>	<b>\$ 1,031,304</b>
<b>AMOUNT BUDGETED</b>	<b>\$ 959,240 FY 2019-20 Rollover</b>
<b>APPROPRIATION REQUIRED</b>	<b>\$ 188,099</b>
<b>LINE ITEM NUMBER</b>	<b>592-592.00-976.077</b>

**BACKGROUND INFORMATION:** The Water and Sewer Division has recently completed a five-year program involving the inspection of sanitary sewer manholes and pipes. The City of Novi received \$1,104,646 in grant funding (75% of project costs for inspection) from the Michigan Department of Environmental Quality (now EGLE) through a program intended to assist with Stormwater, Asset Management, and Wastewater (SAW) projects (refer to attached Memo for additional information related to the grant program).

With the SAW grant inspection program completed, OHM Advisors and staff reviewed the results to confirm the necessary rehabilitation locations and repair techniques within the project area. OHM and staff then developed a program scope to address defects observed in the sanitary sewer manholes and pipes. The rehabilitation of the sanitary sewer infrastructure is based on factors such as severity and criticality of the defects. The attached map shows the area included in the inspection program, and highlights the manholes and pipes identified to be addressed. The repairs will be completed utilizing methods, including grouting, pipe and manhole liners, replacement, and other rehabilitation methods. Following this project, a second phase will be included in the City's capital improvement program. OHM Advisors assisted the Engineering Division with developing the engineering design plans for this project. The plans were advertised for public bids on May 15,

2020. Four (4) bids were received and opened on June 25, 2020, following the solicitation period. Pipeline Management Company's bid is recommended in the best interest of the City, as it is responsive and complies with all of the requirements of the bidding instructions. The award recommendation letter including the bid tabulation is attached. A summary of the four bids are as follows:

<b>Contractor</b>	<b>Total Program Bid</b>
Pipeline Management Company	\$1,031,304.00
Granite Inliner LLC	\$1,328,250.00
Inland Waters Pollution Control, Inc.	\$1,348,715.00
D.V.M. Utilities, Inc.	\$1,399,335.00

The construction engineering services related to this project will be awarded to the following pre-qualified firm. It was determined that a reduced inspection effort would be needed for this type of rehabilitation work to be completed, and therefore a crew day line item was not included in the construction bid. Instead, a separate scope was developed specific to this type of inspection as described in the enclosed OHM proposal dated July 16, 2020. The contract administration fee was calculated using the percentages in the Agreement for Professional Engineering Services for Public Projects. No geotechnical engineering services will be required for this project.

<b>OHM Advisors</b>		
Contract Administration	4.0 % of the construction award	\$41,252
Crew Days	\$700 daily inspection fee x 70 days	\$49,000

Construction will begin this summer with substantial completion expected by spring 2021.

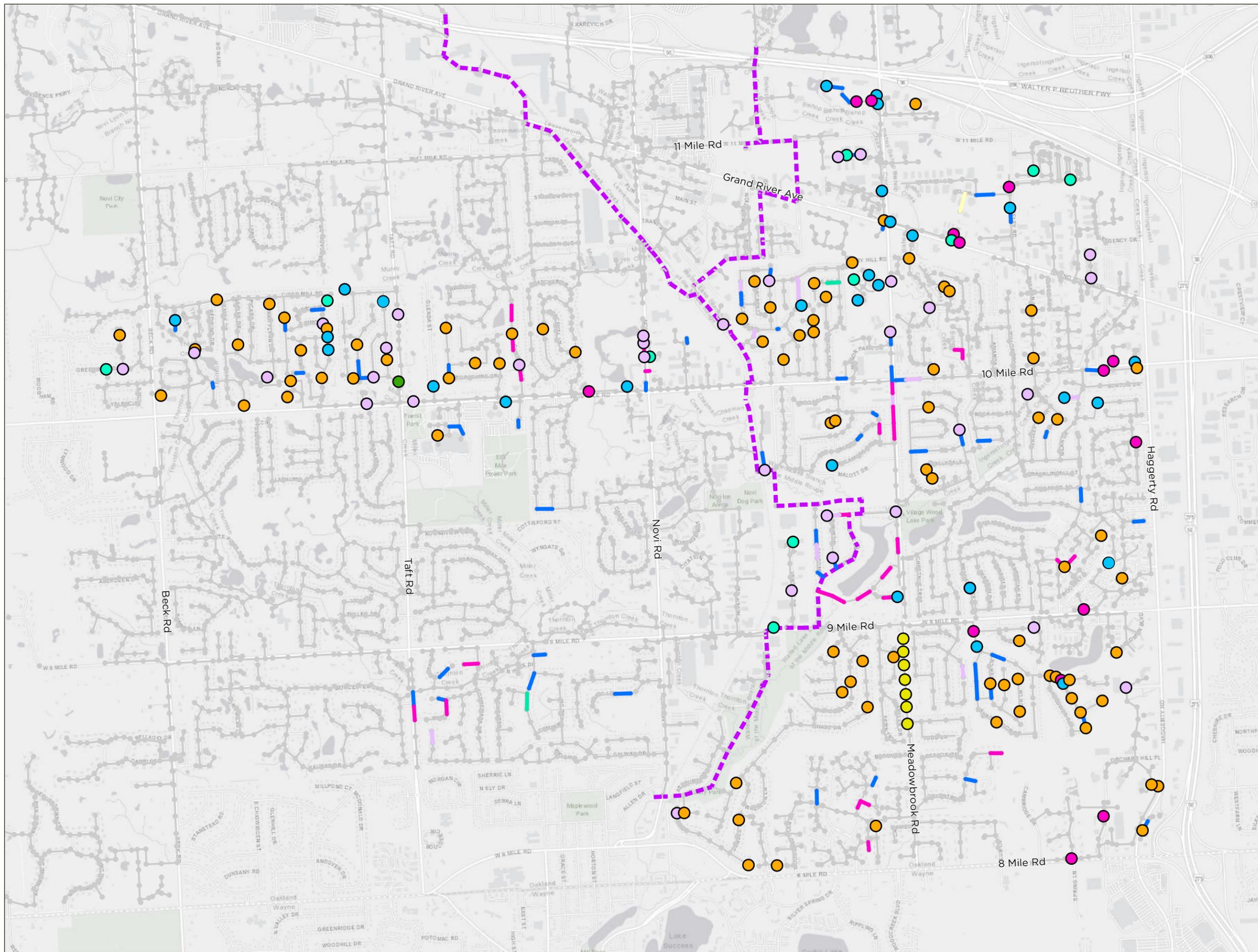
**RECOMMENDED ACTION:** Approval to award the construction contract for the 2020 Sanitary Pipe and Manhole Rehabilitation project, to Pipeline Management Company, the low-bidder, in the amount of \$1,031,304, and amend the budget.



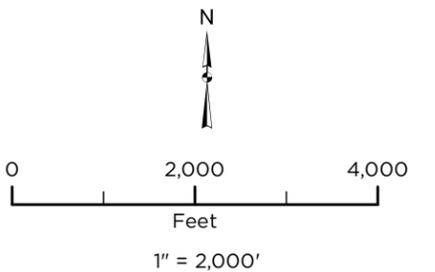
# City of Novi

## Sanitary Sewer Project

### Phase 1: Rehab Method



- Sanitary Manhole Rehab Method**
- Full Manhole Liner
  - Grouting
  - Chimney Replacement
  - Cleaning
  - Grade Adjustment
  - Chimney Liner
  - Add Flow Channel
- Sanitary Gravity Main Rehab Method**
- Heavy Cleaning
  - Full Liner
  - Grouting
  - Partial Remove and Replace
  - Grout Sleeve
- Sanitary Gravity Main Type**
- - - Interceptor
  - Collector



Source: Data provided by City of Novi and ESRI. OHM Advisors does not warrant the accuracy of the data and/or the map. This document is intended to depict the approximate spatial location of the mapped features within the Community and all use is strictly at the user's own risk.

Coordinate System: NAD 1983 StatePlane Michigan South FIPS 2113 IntlFeet

Map Published: April 29, 2020





July 16, 2020

Mr. Ben Croy, PE  
City Engineer  
City of Novi  
Department of Public Services  
26300 Lee Begole Drive  
Novi, MI 48375

RE: 2020 Manhole & Pipe Rehabilitation

Dear Mr. Croy:

On Thursday, June 25, 2020 at 1:00 pm, the City received sealed bids for the rehabilitation of select sanitary sewer manholes and pipes. The City received proposals from four (4) bidders. The summary of bidders, and their total bid amounts are listed below. We have summarized the bid amounts of all work items from the bidders in the attached bid tabulation.

Contractor Name	Bid Amount
Pipeline Management Company	\$1,031,304
Granite Inliner, LLC	\$1,328,250
Inland Waters Pollution Control	\$1,348,715
DVM Utilities, Inc.	\$1,399,335

The project scope consists of manhole and pipe rehabilitation, which includes major items such as cleaning, televising, grouting, and lining work. The project also includes other miscellaneous work related to the impact of the sanitary sewer such as manhole adjustment, road pavement replacement, driveway approach replacement, and site restoration. The work to be completed under this contract includes the furnishing of materials, equipment, and labor necessary to complete the proposed work, in accordance with the contract documents.

Pipeline Management Company, located in Milford, Michigan is the apparent low bidder. OHM Advisors has previous experience working with this Contractor on projects similar in scope to this work, and they received positive references. We spoke with Pipeline Management Company directly regarding the scope of work and their unit prices for the project, and they indicated that they are ready to execute the work on this contract per the as-bid documents.

We therefore recommend award of the 2020 Manhole and Pipe Rehabilitation project to Pipeline Management Company for their bid in an estimated contract award amount of **\$1,031,304.00**.



We look forward to continuing to provide professional services on this project through the construction phase of work. If you have any questions, please do not hesitate to contact me at (734) 466-4439.

Sincerely,  
OHM Advisors

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George Tsakoff, PE  
Principal

Encl: Bid Tab

cc: Tim Juidici, PE, OHM Advisors  
Mackenzie Johnson, OHM Advisors

Phone: (248) 685-1500

Phone: (734) 955-2508

Phone: (313) 899-3014

Phone: (586) 979-0402

Item No.	Description	Estimated Quantity	Pipeline Management Company		Granite Inliner LLC		Inland Waters Pollution Control, Inc.		D.V.M. Utilities, Inc.	
			Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1)	Mobilization, Max. 10%	1 LSUM	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00	\$50,000.00	\$50,000.00
2)	Digital Recorded Video Survey	1 LSUM	\$19,750.00	\$19,750.00	\$3,000.00	\$3,000.00	\$35,000.00	\$35,000.00	\$10,000.00	\$10,000.00
3)	Erosion Control, Inlet Protection, Fabric Drop	12 Ea	\$125.00	\$1,500.00	\$100.00	\$1,200.00	\$200.00	\$2,400.00	\$150.00	\$1,800.00
4)	Erosion Control, Silt Fence	140 Ft	\$5.00	\$700.00	\$5.00	\$700.00	\$1.75	\$245.00	\$5.50	\$770.00
5)	Construction Fence	240 Ft	\$11.00	\$2,640.00	\$15.00	\$3,600.00	\$5.00	\$1,200.00	\$5.00	\$1,200.00
6)	Pavt, Rem	145 Syd	\$34.00	\$4,930.00	\$26.40	\$3,828.00	\$56.00	\$8,120.00	\$20.00	\$2,900.00
7)	Sidewalk, Rem	15 Syd	\$34.00	\$510.00	\$24.00	\$360.00	\$28.00	\$420.00	\$12.00	\$180.00
8)	Sanitary Manhole Cover Adjustment	7 Ea	\$1,215.00	\$8,505.00	\$1,200.00	\$8,400.00	\$3,600.00	\$25,200.00	\$675.00	\$4,725.00
9)	Sanitary Manhole, Add Depth	60 Vft	\$510.00	\$30,600.00	\$400.00	\$24,000.00	\$400.00	\$24,000.00	\$475.00	\$28,500.00
10)	Sanitary Manhole Chimney Rebuild	40 Ea	\$1,325.00	\$53,000.00	\$1,700.00	\$68,000.00	\$1,750.00	\$70,000.00	\$1,675.00	\$67,000.00
11)	Sanitary Manhole Rebuild, Full	5 Ea	\$500.00	\$2,500.00	\$5,000.00	\$25,000.00	\$16,500.00	\$82,500.00	\$7,750.00	\$38,750.00
12)	Replace Existing Channel	1 Ea	\$1,250.00	\$1,250.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00	\$3,000.00	\$3,000.00
13)	Maintenance of Traffic	1 LSUM	\$10,000.00	\$10,000.00	\$30,000.00	\$30,000.00	\$22,500.00	\$22,500.00	\$20,000.00	\$20,000.00
14)	Sanitary Sewer, PVC Truss, 8 inch	60 Ft	\$810.00	\$48,600.00	\$660.00	\$39,600.00	\$1,500.00	\$90,000.00	\$925.00	\$55,500.00
15)	Sanitary Sewer Cleaning and CCTV, 8-12 inch, Normal	23,000 Ft	\$4.00	\$92,000.00	\$15.00	\$345,000.00	\$6.00	\$138,000.00	\$2.00	\$46,000.00
16)	Sanitary Sewer Cleaning and CCTV, 8-12 inch, Heavy	1520 Ft	\$6.00	\$9,120.00	\$15.00	\$22,800.00	\$7.00	\$10,640.00	\$3.50	\$5,320.00
17)	Grout Pipe Joint, Test and Seal, 8 inch	70 Ea	\$350.00	\$24,500.00	\$175.00	\$12,250.00	\$635.00	\$44,450.00	\$125.00	\$8,750.00
18)	Grout Pipe Joint, Test and Seal, 10 inch	10 Ea	\$400.00	\$4,000.00	\$500.00	\$5,000.00	\$635.00	\$6,350.00	\$145.00	\$1,450.00
19)	Grout Pipe Joint, Test and Seal, 12 inch	10 Ea	\$450.00	\$4,500.00	\$500.00	\$5,000.00	\$635.00	\$6,350.00	\$175.00	\$1,750.00
20)	Sanitary Sewer Chemical Grout	500 Gal	\$4.00	\$2,000.00	\$25.00	\$12,500.00	\$25.00	\$12,500.00	\$35.00	\$17,500.00
21)	Sanitary Sewer Spot Liner, 8 inch	58 Ea	\$2,200.00	\$127,600.00	\$1,600.00	\$92,800.00	\$2,800.00	\$162,400.00	\$2,575.00	\$149,350.00
22)	Sanitary Sewer Spot Liner, 10 inch	7 Ea	\$2,500.00	\$17,500.00	\$2,000.00	\$14,000.00	\$3,000.00	\$21,000.00	\$3,050.00	\$21,350.00
23)	Sanitary Sewer Spot Liner, 12 inch	5 Ea	\$2,750.00	\$13,750.00	\$2,500.00	\$12,500.00	\$3,200.00	\$16,000.00	\$3,500.00	\$17,500.00
24)	Sanitary Manhole, Setup and Preparation	175 Ea	\$225.00	\$39,375.00	\$240.00	\$42,000.00	\$200.00	\$35,000.00	\$1,050.00	\$183,750.00
25)	Sanitary Manhole Cleaning	9 Ea	\$150.00	\$1,350.00	\$480.00	\$4,320.00	\$150.00	\$1,350.00	\$1,250.00	\$11,250.00
26)	Sanitary Manhole Injectable Chemical Grout	600 Gal	\$25.00	\$15,000.00	\$240.00	\$144,000.00	\$25.00	\$15,000.00	\$150.00	\$90,000.00
27)	Sanitary Sewer Bypass Pumping	1 LSUM	\$2,500.00	\$2,500.00	\$39,382.00	\$39,382.00	\$650.00	\$650.00	\$30,000.00	\$30,000.00
28)	Sanitary Sewer CIPP Liner, 8 inch	6300 Ft	\$38.50	\$242,550.00	\$25.00	\$157,500.00	\$40.00	\$252,000.00	\$46.25	\$291,375.00
29)	Sanitary Sewer CIPP Liner, 12 inch	1000 Ft	\$54.00	\$54,000.00	\$30.00	\$30,000.00	\$52.00	\$52,000.00	\$58.75	\$58,750.00
30)	Manhole Liner	390 Vft	\$270.00	\$105,300.00	\$250.00	\$97,500.00	\$335.00	\$130,650.00	\$350.00	\$136,500.00
31)	Trench Undercut and Backfill	50 Cyd	\$81.00	\$4,050.00	\$35.00	\$1,750.00	\$100.00	\$5,000.00	\$80.00	\$4,000.00
32)	Aggregate Base, 21AA Limestone, 6 inch	50 Syd	\$41.00	\$2,050.00	\$35.00	\$1,750.00	\$48.00	\$2,400.00	\$15.00	\$750.00
33)	Aggregate Base, 21AA Limestone, 8 inch	110 Syd	\$45.00	\$4,950.00	\$35.00	\$3,850.00	\$50.00	\$5,500.00	\$18.00	\$1,980.00
34)	HMA, Driveway, 3.5 inch	8 Syd	\$108.00	\$864.00	\$95.00	\$760.00	\$255.00	\$2,040.00	\$200.00	\$1,600.00
35)	HMA, Roadway, 13A	25 Ton	\$475.00	\$11,875.00	\$390.00	\$9,750.00	\$450.00	\$11,250.00	\$385.00	\$9,625.00
36)	Gravel, Shoulder, 6 inch	30 Syd	\$45.00	\$1,350.00	\$35.00	\$1,050.00	\$50.00	\$1,500.00	\$12.00	\$360.00
37)	Driveway, Nonreinf Conc, 6 inch	40 Syd	\$120.00	\$4,800.00	\$100.00	\$4,000.00	\$145.00	\$5,800.00	\$75.00	\$3,000.00
38)	Maintenance Aggregate, 21AA Limestone	50 Ton	\$45.00	\$2,250.00	\$35.00	\$1,750.00	\$35.00	\$1,750.00	\$35.00	\$1,750.00
39)	Sidewalk, Conc, 4 inch	135 Sft	\$11.00	\$1,485.00	\$10.00	\$1,350.00	\$10.00	\$1,350.00	\$10.00	\$1,350.00
40)	Restoration	1 LSUM	\$8,100.00	\$8,100.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00
TOTAL BID AMOUNT				<u>\$1,031,304.00</u>		<u>\$1,328,250.00</u>		<u>\$1,348,715.00</u>		<u>\$1,399,335.00</u>

CORRECTIONS

<sup>1</sup> Amount adjusted to reflect bidder's multiplication error

<sup>2</sup> Amount adjusted to reflect bidder's multiplication error

<sup>3</sup> Total adjusted to reflect bidder's above errors



July 16, 2020

Mr. Benjamin Croy, PE  
City Engineer  
City of Novi - Department of Public Works  
26300 Lee BeGole Drive  
Novi, MI 48375

**RE: 2020 Manhole & Pipe Rehabilitation  
Scope of Services for Construction Phase Efforts**

Dear Mr. Croy:

Per your request, the following outlines our proposed scope of services to perform manhole and pipe rehabilitation as part of the current project that had a Contractor bid opening on June 25, 2020. The low bidder on the project is Pipeline Management Company from Milford with an estimated low bid price of \$1,031,304. This summary includes our project understanding, proposed scope of work, assumptions, schedule, and fee.

### PROJECT UNDERSTANDING

It is our understanding that the City of Novi wishes to continue with this project at the estimated low bid price and have OHM Advisors perform contract administration and construction engineering services during the work. It is our intention to provide those services consistent with the scope of services outlined below.

### SCOPE OF SERVICES

The following outlines our work plan to accomplish the scope of services for this project:

- Provide contract administration services consistent with our current Agreement for Professional Engineering Services between OHM Advisors and City of Novi dated December 18, 2017, Exhibit A.
- Provide field inspection services consistent with the table provided below under our Inspection Fee Summary, and Exhibit A of the Agreement for Professional Engineering Services. OHM Advisors will provide inspection based on Contractor work activity as outlined in our table, or as otherwise requested by the City.

### ASSUMPTIONS

The following summarizes our assumptions associated with this proposal:

- We assume that the Contractor will complete the work within 180 calendar days. We also assume that the amount of Contractor work days will be consistent with our fee summary table outlined below for 130 days.
- We assume that the amount of effort needed for a specific work task will be consistent with the number of crew days outlined below. If the Contractor requires additional supervision due to the quality of their work or if certain tasks require re-work, this is assumed to be additional effort above and beyond this scope of work.
- We assume the City will provide a Notice to Proceed to the Contractor within the next 60 days.
- We anticipate that the project may require a seasonal shut down to complete all work under the contract documents. In that case, OHM Advisors efforts will be suspended during the seasonal shut down by the Contractor, and resume in spring of 2021.



**SCHEDULE**

We anticipate that the Contractor will complete the work outlined in the contract documents within 180 calendar days from the time of Notice to Proceed by the City. It is likely that work under this contract would be completed in the early summer of 2021.

**FEE SUMMARY**

Regarding the Contract Administration fee, we are requesting a fee consistent with our Agreement for Engineering Services Agreement, Exhibit B. Based on the estimated contract amount of \$1,031,304, the contract administration fee would be calculated as 4% of that contract amount. Therefore, the requested Contract Administration Fee is \$41,252 as a fixed fee.

The following table summarizes our assumptions related to the field inspection effort on this project, based on assumed Contractor efforts for major items of work and anticipated crew day efforts. We propose this fee as a Not-to-exceed amount, billed based on actual time spent.

<b>2020 MH &amp; Pipe Rehabilitation</b>				
Major Work Task	Estimated Contractor Duration, Work Days, (8 Hr Day)	Estimated Crew Days	Cost Per Crew Day	Estimated Cost per Task
Sanitary MH/Chimney Adjustments	10	5	\$700	\$3,500
Pipe Cleaning	15	5	\$700	\$3,500
Pipe Grouting	5	5	\$700	\$3,500
Pipe Spot Lining	20	20	\$700	\$14,000
Pipe Full Length Lining	40	15	\$700	\$10,500
Manhole Cleaning & Grouting	6	6	\$700	\$4,200
Manhole Lining	20	6	\$700	\$4,200
Road Pavement Patching/Replacement	5	5	\$700	\$3,500
Sidewalk or Driveway Replacement	1	1	\$700	\$700
Restoration	8	2	\$700	\$1,400
<b>Totals</b>	<b>130</b>	<b>70</b>	<b>\$700</b>	<b>\$49,000</b>

Thank you for the opportunity to be of service to the City. If you have any questions or require additional information, please do not hesitate to contact us. We look forward to continuing to work with you on this project.

Sincerely,  
 OHM Advisors

Authorization to Proceed

\_\_\_\_\_  
 George Tsakoff, PE  
 Principal

\_\_\_\_\_  
 Signature Date

\_\_\_\_\_  
 Printed Name Title

cc: Tim Juidici, PE, Principal, OHM Advisors  
 Mackenzie Johnson, Engineer, OHM Advisors  
 file

**BID**  
 for  
**2020 Sanitary Pipe and Manhole Rehabilitation**

Bid of Pipeline Management Company 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
<u>1</u>	<u>5/29/2020</u>
<u>2</u>	<u>6/18/2020</u>
<u>3</u>	<u>6/22/2020</u>

The Contract will be awarded to the lowest responsive, responsible Bidder based on the unit prices for all Work specified. The Bidder may choose to complete either the Base Bid or Alternate Bid, or both Bids listed in the tables below. Either the Base Bid or Alternate Bid will be chosen by the Owner as the selected option, at their discretion. In submitting this Bid, it is understood that the right is reserved by the OWNER to accept either the Base Bid or Alternate Bid, to reject any or all Bids, and to waive irregularities in bidding in the interest of the OWNER.

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

Item No.	Item Description	Qty	Unit	Unit Price	Total Price
1	Mobilization, Max. 10%	1	LSUM	\$ <u>50,000.00</u>	\$ <u>50,000.00</u>
2	Digital Recorded Video Survey	1	LSUM	\$ <u>19,750.00</u>	\$ <u>19,750.00</u>
3	Erosion Control, Inlet Protection, Fabric Drop	12	Each	\$ <u>125.00</u>	\$ <u>1,500.00</u>



4	Erosion Control, Silt Fence	140	Ft	\$	<u>5.00</u>	\$	<u>700.00</u>
5	Construction Fence	240	Ft	\$	<u>11.00</u>	\$	<u>2,640.00</u>
6	Pavt, Rem	145	Syd	\$	<u>34.00</u>	\$	<u>4,930.00</u>
7	Sidewalk, Rem	15	Syd	\$	<u>34.00</u>	\$	<u>510.00</u>
8	Sanitary Manhole Cover Adjustment	7	Each	\$	<u>1,215.00</u>	\$	<u>8,505.00</u>
9	Sanitary Manhole, Add Depth	60	Vft	\$	<u>510.00</u>	\$	<u>30,600.00</u>
10	Sanitary Manhole Chimney Rebuild	40	Each	\$	<u>1,325.00</u>	\$	<u>53,000.00</u>
11	Sanitary Manhole Rebuild, Full	5	Each	\$	<u>500.00</u>	\$	<u>2,500.00</u>
12	Replace Existing Channel	1	Each	\$	<u>1,250.00</u>	\$	<u>1,250.00</u>
13	Maintenance of Traffic	1	LSUM	\$	<u>10,000.00</u>	\$	<u>10,000.00</u>
14	Sanitary Sewer, PVC Truss, 8 inch	60	Ft	\$	<u>810.00</u>	\$	<u>48,600.00</u>
15	Sanitary Sewer Cleaning and CCTV, 8 - 12 inch, Normal	23,000	Ft	\$	<u>4.00</u>	\$	<u>92,000.00</u>
16	Sanitary Sewer Cleaning and CCTV, 8 -12 inch, Heavy	1520	Ft	\$	<u>6.00</u>	\$	<u>9,120.00</u>
17	Grout Pipe Joint, Test and Seal, 8 inch	70	Each	\$	<u>350.00</u>	\$	<u>24,500.00</u>
18	Grout Pipe Joint, Test and Seal, 10 inch	10	Each	\$	<u>400.00</u>	\$	<u>4,000.00</u>
19	Grout Pipe Joint, Test and Seal, 12 inch	10	Each	\$	<u>450.00</u>	\$	<u>4,500.00</u>
20	Sanitary Sewer Chemical Grout	500	Gal	\$	<u>4.00</u>	\$	<u>2,000.00</u>
21	Sanitary Sewer Spot Liner, 8 inch	58	Each	\$	<u>2,200.00</u>	\$	<u>127,600.00</u>
22	Sanitary Sewer Spot Liner, 10 inch	7	Each	\$	<u>2,500.00</u>	\$	<u>17,500.00</u>
23	Sanitary Sewer Spot Liner, 12 inch	5	Each	\$	<u>2,750.00</u>	\$	<u>13,750.00</u>
24	Sanitary Manhole, Setup and Preparation	175	Each	\$	<u>225.00</u>	\$	<u>39,375.00</u>
25	Sanitary Manhole Cleaning	9	Each	\$	<u>150.00</u>	\$	<u>1,350.00</u>
26	Sanitary Manhole Injectable Chemical Grout	600	Gal	\$	<u>25.00</u>	\$	<u>15,000.00</u>
27	Sanitary Sewer Bypass Pumping	1	LSUM	\$	<u>2,500.00</u>	\$	<u>2,500.00</u>
28	Sanitary Sewer CIPP Liner, 8 inch	6300	Ft	\$	<u>38.50</u>	\$	<u>242,550.00</u>
29	Sanitary Sewer CIPP Liner, 12 inch	1000	Ft	\$	<u>54.00</u>	\$	<u>54,000.00</u>
30	Manhole Liner	390	Vft	\$	<u>270.00</u>	\$	<u>105,300.00</u>
31	Trench Undercut and Backfill	50	Cyd	\$	<u>81.00</u>	\$	<u>4,050.00</u>



32	Aggregate Base, 21AA Limestone, 6 inch	50	Syd	\$	<u>41.00</u>	\$	<u>2,050.00</u>	
33	Aggregate Base, 21AA Limestone, 8 inch	110	Syd	\$	<u>45.00</u>	\$	<u>4,950.00</u>	
34	HMA, Driveway, 3.5 inch	8	Syd	\$	<u>108.00</u>	\$	<u>864.00</u>	
35	HMA, Roadway, 13A	25	Ton	\$	<u>475.00</u>	\$	<u>11,875.00</u>	
36	Gravel, Shoulder, 6 inch	30	Syd	\$	<u>45.00</u>	\$	<u>1,350.00</u>	
37	Driveway, Nonreinf Conc, 6 inch	40	Syd	\$	<u>120.00</u>	\$	<u>4,800.00</u>	
38	Maintenance Aggregate, 21AA Limestone	50	Ton	\$	<u>45.00</u>	\$	<u>2,250.00</u>	
39	Sidewalk, Conc, 4 inch	135	Sft	\$	<u>11.00</u>	\$	<u>1,485.00</u>	
40	Restoration	1	LSUM	\$	<u>8,100.00</u>	\$	<u>8,100.00</u>	
<b>Total Bid Amount of Base Bid (Items 1-40)</b>							\$	<u>1,031,304.00</u>

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 180 calendar days, and to Final Completion, including restoration and all punch list items, within 200 calendar days** from the date of commencement as set forth in the Notice to Proceed.

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 dollars (\$900) 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 6/25/2020

Date\*



CITY OF NOVI

Rev 8/2/2016

6/18/2020

2673 E. Maple Rd.  
Street\*

Milford, MI 48381  
City, State, ZIP\*

(248) 685-1500  
Telephone Number\*

(248) 685-7615  
Facsimile Number\*

BY: Pipeline Management Company  
Name of Bidder\*

Jacob A. Di Paolo  
Signature

JACOB A. DI PAOLO, TREASURER  
Name and Title of Signatory\*

\*Typed or printed in ink.



# Western Surety Company

## BID BOND

KNOW BY ALL MEN THAT THESE PRESENTS: That we PIPELINE MANAGEMENT COMPANY, INC. of 2673 East Maple Road , Milford, MI 48381, hereinafter referred to as Principal, and Western Surety Company as Surety, are held and firmly bound unto City Of Novi of 26300 Lee BeGole Drive , Novi, MI 48375, hereinafter referred to as Obligee, in the sum of FIVE AND 00/100 PERCENT Dollars (5.00%) for the payment of which we bind ourselves, our legal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has submitted or is about to submit a proposal to Obligee on a contract for **2020 Sanitary Pipe and Manhole Rehabilitation**

NOW, THEREFORE, if the said contract be awarded to Principal and Principal shall, within such time as may be specified, enter into the contract in writing and give such bond or bonds as may be specified in the bidding or contract documents with surety acceptable to Obligee; or if Principal shall fail to do so, pay to Obligee the damages which Obligee may suffer by reason of such failure not exceeding the penalty of this bond, then this obligation shall be void; otherwise to remain in full force and effect.

Signed and sealed this 25<sup>th</sup> day of June, 2020.

PIPELINE MANAGEMENT COMPANY, INC.

(Principal)

by Jack A. Di Fonio (Seal)

Western Surety Company

(Surety)

by Donald W. Burden (Seal)

Donald W. Burden, ATTORNEY-IN-FACT

# Western Surety Company

## POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

**Gus E Zervos, Stephen M Zervos, Donald W Burden, Michael G Zervos, Individually**

of Southfield, MI, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

**- In Unlimited Amounts -**

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 8th day of June, 2020.



WESTERN SURETY COMPANY

Paul T. Bruflat  
Paul T. Bruflat, Vice President

State of South Dakota }  
County of Minnehaha } ss

On this 8th day of June, 2020, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr  
J. Mohr, Notary Public

### CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 25th day of June, 2020.



WESTERN SURETY COMPANY

L. Nelson  
L. Nelson, Assistant Secretary

**BIDDER'S QUALIFICATION AND EXPERIENCE STATEMENT**

The OWNER will require supporting evidence regarding Bidder's Qualifications and competency. The Bidder will be required to furnish all of the applicable information listed below, which must be submitted with the sealed Bid at the time of Bid Opening. The Qualifications and Experience Statement must be typewritten and signed in ink.

A fill-in-the blank version of this form is available for your convenience on the City of Novi's website ([www.cityofnovi.org](http://www.cityofnovi.org)) under Forms & Permits/Engineering.

**QUALIFICATIONS AND EXPERIENCE STATEMENT**

The undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

Submitted to: City of Novi

Address: 26300 Lee Bebole Drive Novi, MI 48375

Submitted by: David Lusky | Jake D. Ponio

Name: Pipeline Management Company

Address: 2673 E. Maple Rd.

City, State, ZIP Milford, MI 48381

Telephone Number: (248) 685-1500 Fax Number: (248) 685-7615

Principal Office: Same As Above

Corporation: L Joint Venture: \_\_\_\_\_

Partnership: \_\_\_\_\_ Other: \_\_\_\_\_

Individual: \_\_\_\_\_

Name of Project: 2020 Sanitary Pipe & Manhole Rehabilitation

Type of Work (file separate form for each classification of work):

Concrete: \_\_\_\_\_ Grading: \_\_\_\_\_

HMA: \_\_\_\_\_ Landscaping: \_\_\_\_\_

Other: Rehabilitation (Please Specify)



**Organization**

How many years has your organization been in business as a CONTRACTOR?

12 YEARS

How many years has your organization been in business under its present business name?

12 Years

Under what other business names has your organization operated?

If your organization is a corporation, answer the following:

Date of Incorporation: MAY 8, 2009

State of Incorporation: MICHIGAN

President's Name: GERALD GARNATZ

Vice President's Name: \_\_\_\_\_

Secretary's Name: BENEDETTO Di Ponio

Treasurer's Name: JACOB A. Di Ponio

If your organization is a partnership, answer the following:

Date of Organization: \_\_\_\_\_

Type of Partnership: \_\_\_\_\_

Names of General Partners: \_\_\_\_\_

If your organization is individually owned, answer the following:

Date of Organization: \_\_\_\_\_

Name of OWNER: \_\_\_\_\_

If the form of your organization is other than those listed above, describe it and name the principals:



**Licensing**

List jurisdictional and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable:

M DOT

List jurisdiction in which your organization's partnership or trade name is filed:

Michigan

**Experience**

List the categories of work that your organization normally performs with its own forces:

CCTV / Cleaning of Sanitary Sewer  
Spot Liners  
Grouting

On a separate sheet, list major construction projects your organization has in progress. List the name of project, owner, architect/engineer, contract amount, percent complete, and scheduled completion date.

On a separate sheet, list the major construction projects your organization has completed in the past five (5) years. List the name of the project, owner, architect/engineer, contract amount, date of completion, and percentage of the cost of the work performed with your own forces.

On a separate sheet, list the construction experience and present commitments of the key individuals of your organization who would be employed in the Work.

**Claims and Suits**

If the answer to any of the questions below is yes, please attach details.

Has your organizations ever failed to complete any work awarded to it?           No          

Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or officers?   No  



Has the City of Novi filed a claim on any contract within the prior three years which asserted that your organization:

1) failed to perform as required by the contract?

YES  NO

2) completed contracted work in an untimely manner causing delays and interference;

YES  NO

3) lacked financial resources and the ability to satisfactorily perform the contract or provide the services or supplies;

YES  NO

4) exhibited poor quality of performance or completed work under the contract;

YES  NO

5) failed to comply with laws and ordinances relating to the contract performance;

YES  NO

6) defaulted on its quotations or prices;

YES  NO

**References**

Entity	Contact Name	Phone
<i>Trade References</i>		
1. JACK DOHANEY Co.	Accts. PAYABLE	248-349-0904
2. MI CATERPILLAR	Accts. PAYABLE	248.349-4806
3.		
<i>Bank References</i>		
1. HURON VALLEY STATE Bk.	JACK SHUBITOWSKI	248-684-9626
2.		
3.		
<i>Surety</i>		
WESTERN SURETY	DON BURDEN	248-355-4411



Name of Bonding Company: WESTERN SURETY

Name of Bonding Agent: DON BURDEN

Address of Bonding Agent: GUS ZERVOS, ZERVOS AGENCY  
SOUTHFIELD, MICHIGAN

SUBMITTED on 6-25-20  
Date\*

BY: Benedetto Di Ponio  
Name of Bidder\*

BENEDETTO Di Ponio, SECRETARY  
Signature

PIPELINE MANAGEMENT Co., INC.  
Name and Title of Signatory\*

\*Typed or printed in ink.

JACOB A. Di Ponio being duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this 25<sup>th</sup> day of JUNE 2020

Notary Public: Jac A. Di Ponio

My Commission Expires: 7-28-2024

**IF THIS INFORMATION IS NOT SUBMITTED WITH THE SEALED BID AT THE TIME OF BID, THE BID WILL BE CONSIDERED INCOMPLETE.**





# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

## Company Profile

Pipeline Management is a full-service trenchless rehabilitation and inspection contractor that provides underground storm and sanitary line video inspections, sanitary and storm sewer cleaning, catch basin cleaning, grouting and air testing of mainline joints and lateral connections, & UV spot liners. Pipeline is committed to provide dependable, timely, cost-effective, responsive, and innovative solutions for industrial and municipal clients with environmental challenges to their underground infrastructure.

Pipeline has a superior reputation with engineers, customers, subcontractors, financial institutions and even its own employees. Ben Di Ponio (Owner) has 50 years of experience in the sewer and water main installation business. Jake Di Ponio (Owner) is a registered Certified Public Accountant and Certified Management accountant with 40 years of experience in the sewer and water main industry. Jerry Garnatz, the company's co-owner and field superintendent, has over 30 years of experience, mostly in the sewer rehabilitation business. Dave Lusky, the company's co-owner and project engineer, has over 20 years of construction experience, with over 10 years of experience based solely in the Trenchless technology field. Pipeline maintains an impeccable reputation to maintain an accurate and on time schedule, has always shown the ability to cleanup and restore their work areas to conditions better than when they started, and resolve any issues with homeowner's or the client they are working for in a timely and proficient manner.

Please see the references attachment for ongoing and completed projects.

Pipeline Management believes safety comes first. We adhere to a strict safety program. Every year Pipeline has a specific safety re-training day where certified safety trainers in the industry come to their main office to train and recertify all employees in first aid, confined space, CPR, traffic regulation and their general corporate safety policies. We refresh our employee's knowledge in all aspects of safety and update them on anything new that may pertain to workplace safety and accident prevention. Please see the safety plan attachment for our full safety plan.



# **PIPELINE MANAGEMENT CO., INC.**

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

## **FELT LINER TUBES**

Pipeline Management Company has been installing felt liners for the past ten years as a part of our CCTV, grouting, and cleaning work. While we do not do the actual tube installation with our own forces, we do all other associated work including, but limited to, prepping the existing sewer for the tube, installation of by-pass pumping, project administration, traffic control, and final inspections and testing following tube installation.

We find we can be cost competitive using this method because we are able to shop several tube installers and choose the best responsible price to combine with the work our forces perform to arrive at a competitive price. Following are subcontractors we have used to furnish and install the tubes: Insituform, Reynolds Inliner, LLC, & Corby Energy Services.

## **FIBERGLASS REINFORCED UV CURED SPOT LINERS**

Pipeline Management Company has been installing UV cured spot liners since the organization commenced business operations over 10 years ago.

Pipeline Management Company has installed thousands of spot liners during the past nine years. Our short liner system uses a Glass Fiber Composite (GFC) laminate with resin that is cured with Ultra Violet light. Using different sized applicators ranging from 6in thru 30in in diameter a trenchless 4-foot-long spot repair can cure in just 10 minutes. Over lapping repairs can be installed to extend the repair area beyond 4 feet. The GFC laminate can repair damaged areas such as longitudinal cracks, missing pieces of broken pipe and offset joints. Also stops root intrusion and leaking joints while adding structural strength to the pipeline. The Glass Fiber Composite material is shipped factory packaged ready for use.



# **PIPELINE MANAGEMENT CO., INC.**

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

## **Why Pipeline Management**

- Pipeline Management is a full service trenchless rehabilitation and inspection contractor that provides underground storm and sanitary line video inspections, sanitary and storm sewer cleaning, catch basin cleaning, grouting and air testing of mainline joints and lateral connections, & UV spot liners. Pipeline is committed to providing dependable, timely, cost-effective, responsive, and innovative solutions for industrial and municipal clients with environmental challenges to their underground infrastructure. One of the many qualities that separates Pipeline Management Company, Inc. from others in our profession is over a century of collective industry experience that enables us to communicate our findings and provide our clients with a variety of rehabilitation options for virtually every situation they might encounter. Working closely with Owners and their professionals, we have developed rehabilitation projects for numerous private and municipal clients, including the Oakland County Water Resources Commissioners, the Charter Township of Independence, Scio Township, and many others.
- What separates Pipeline Management Company, Inc. from other companies is our ability to review videos and suggest rehabilitation options based on our knowledge and experience within the industry. Working together with engineers and owners staff, we have successfully developed full rehabilitation projects for numerous municipal clients. This is exactly what this contract calls for and one of many reasons why Pipeline Management Company is the most qualified contractor for this project.
- **Quality of Safety Program:** Pipeline Management believes safety comes first. We adhere to a strict safety program. Every year Pipeline has a specific safety re-training day where certified safety trainers in the industry come to our main office to train and recertify our employees in first aid, confined space, CPR, traffic regulation and our general corporate safety policies. They refresh our employee's knowledge in all aspects of safety and update them on anything new that may pertain to safety in our industry.
- In house annual training programs recertification of Pipeline employees safety program training, confined space training, first aid and CPR training and traffic safety certification are all conducted annually.
- Though not required by the State of Michigan, we subscribe to Secretary of State administered driver's license updates to assure we are notified of any unsafe driving practices that result in a ticket.
- As part of our continuing education program Pipeline Management has provided grout certification classes to all of our employees.



# **PIPELINE MANAGEMENT CO., INC.**

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*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

- Pipeline Management is over the required insurance needed for this contract. We have 2 Million of GL, a 5 Million Umbrella and we purchased an additional one million of pollution coverage.
- In the rare occasion of a claim we resolve the claims quickly and to the full satisfaction of the property owner, without needing to involve OHM professionals in the claim process.
- Pipeline Management recognizes that we represent OHM and the City of Novi when under contract and often take actions that are outside the scope of our contract but in the best interest of the owner we are working for and community we are working within. For example, in the fall of 2017 Pipeline Management suggested a cleanup of a parking area that Farmington Hills provided to four contractors during the construction season. We attempted to gather all four contractors to participate in the site restoration and met with strong resistance from all of them at doing any extra work that they would not be compensated for. After meeting with Farmington Hills public officials and showing them the areas that were disturbed, we suggested a restoration plan which Farmington Hills approved and then executed the plan by regrading and reseeding the parking area. We performed this work not only within our parking area but through the other parking areas also and we did this despite the additional cost to us due to the non-participation of the other contractors. We kept OCWRC staff informed of our activities but planned and executed this on our own because we felt it was the right thing to do.



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

## **Background and experience of principal members of our organization.**

1. **Benedetto Di Ponio, Secretary**  
50 years experience with various phases of sewer, water main and pump station installation, repairs and maintenance.
  - 1970-Current: Di Ponio & Morelli Const. Co. Corporate Officer.
  - 2009-Current: Pipeline Management Co., Inc. Corporate Officer.
  
2. **Gerald Garnatz, President**  
34 years experience with various phases of sewer maintenance and rehabilitation including sewer cleaning, CCTV inspection, sewer repair, chemical grouting and CIPP.
  - 1986-2001: Inland Waters Pollution Control. Project Foreman.
  - 2001-Current: Subterranean, Inc. Corporate Officer.
  - 2009-Current: Pipeline Management Co., Inc. Corporate Officer.
  
3. **David Lusky, Project Manager/Estimator & Shareholder**  
21 years experience with various phases of sewer maintenance and rehabilitation including sewer cleaning, CCTV inspection, sewer repair, chemical grouting and CIPP.
  - 1999-2009: Toll Brothers, Inc.- Land Development Manager
  - 2009-2013: Inland Water Pollution Control- President & PM/Estimator
  - 2013-Current: Pipeline Management Co., Inc. – PM/Estimator & Shareholder
  
4. **Jacob A. Di Ponio, Treasurer**  
40 years experience in the sewer & watermain industry. Specialized skills in project management, regulatory compliance and business administration. Licensed Certified Public Accountant – State of Michigan. Certified General Management Accountant – State of Michigan. Licensed MDEQ Certified Storm Water Operator.
  - 1980–1983: Henry & Ianuzzi, CPA. Senior Auditor.
  - 1983-Current. Di Ponio & Morelli Const. Co. Corporate Officer.
  - 2009-Current: Pipeline Management Co., Inc. Corporate Officer.



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

PROJECT	OWNER	CONTRACT AMOUNT	DATE
<u>Oakland County Water Resources Commissioner</u> Oakland County, Michigan- Blanket Contract For Cleaning, TV, CIPP Spot Repairs, & Grouting of 8"-160" pipe	OCWRC 1 Public Works Drive Waterford, MI 48328 Attn: Ben Lewis, P.E. (248) 858 0958	Blanket Maintenance Contract	Start: 5/01/09 Est. End: Ongoing
<u>Clinton Township, Michigan</u> Judson Gardens Pre-Cleaning & TV For CIPP Lining of 10"-18" Work Completed For Layne Inliner	Charter Township of Clinton, MI 40700 Romeo Plank Road Clinton Township, MI 48038 Attn: Jim Gabrish- Inspector (586) 286 8000	\$100,000	Start: 09/23/13 Ended: 11/01/13
<u>Stevensville, MI</u> Stevensville Sanitary Sewer Rehab Pre-Cleaning & TV & Joint Grouting For CIPP Lining of 8"-12" Work Completed For Insituform	Lincoln Charter Township 2055 W. John Beers Road Stevensville, MI 49127 Attn: Richard Stauffer (269) 429 1589	\$40,000	Start: 11/25/13 Ended: 12/06/13
<u>Milford, MI</u> Sanitary Sewer Rehabilitation Project Pre-Cleaning & TV, Joint Grouting, & CIPP Spot Lining of 8"-15"	OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711	\$400,000	Start: 10/15/09 Ended: 10/15/10
<u>Romulus, MI</u> Sanitary Sewer Rehabilitation Project Pre-Cleaning & TV, Joint Grouting, & CIPP Spot Lining of 8"-24"	OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Derek Klenke (734) 522 6711	\$450,000	Start: 04/15/13 Ended: 12/15/2014
<u>Livonia, MI</u> Sanitary Sewer Rehabilitation Project Pre-Cleaning & TV, Joint Grouting, Lateral Grouting, & CIPP Spot Lining of 8"-21" Work Completed For Insituform	OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Derek Klenke (734) 522 6711	\$500,000	Start: 10/23/13 Ended: 8/19/14

**PIPELINE MANAGEMENT COMPANY, INC.**

2673 E. Maple Road

Milford, MI 48310

248.685.1500



# PIPELINE MANAGEMENT CO., INC.

Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation

<p><u>Owosso, MI</u> Owosso Sanitary Sewer Rehab Pre-Cleaning &amp; TV For CIPP Lining of 21"-27" Work Completed For Insituform</p>	<p>Insituform 1088 Victory Dr. Howell, MI 48843 Attn: Ken Quillen (517) 546 4107</p>	<p>\$50,000</p>	<p>Start: 05/06/14 Ended: 9/30/14</p>
<p><u>Oakland County Water Resources Commissioner</u> GWK Drain Project- Cleaning, TV, CIPP Spot Repairs, &amp; Grouting of 8"-78" Pipe</p>	<p>OCWRC 1 Public Works Drive Waterford, MI 48328 Attn: George Nichols, P.E. (248) 858 0958</p>	<p>\$1,000,000</p>	<p>Start: 1/13/14 Est. Ended: 10/03/14</p>
<p><u>Gulf Shores, Alabama</u> Gulf Shores Sanitary Sewer Grouting Project Joint &amp; Lateral Grouting of 8"-15" Pipe</p>	<p>Utilities Board of the City of Gulf Shores 1629 East 1<sup>st</sup> Street Gulf Shores, Alabama 36547 Attn: Clifford Johnson (251) 968 6323</p>	<p>\$700,000</p>	<p>Start: 10/1/14 Est. Ended: 3/1/2015</p>
<p><u>Macomb County Public Works</u> 42" Lakeshore Interceptor Extension Joint Grouting of 42" Pipe Work Performed for Lanzo Trenchless Technologies- North</p>	<p>Lanzo Trenchless Technologies North 28135 Groesbeck Hwy. Roseville, MI 48066 Attn: Kevin Murphy (586) 775 5819</p>	<p>\$30,000</p>	<p>Start: 7/22/14 Ended 8/1/14</p>
<p><u>Roanoke, Virginia</u> FY13 Sewer Lining Project Lateral Grouting in 8" Main Work Performed For Portland Utilities Construction</p>	<p>Portland Utilities Construction Company P.O. Box 510 Portland, TN 37148 Attn: Gary Testa (815) 325 3374</p>	<p>\$25,000</p>	<p>Start: 03/31/14 Ended: 04/02/14</p>
<p><u>Independence Township, MI</u> Sanitary Sewer Cleaning &amp; Televising Program Sewer Assessment of the Sanitary System &amp; Rehabilitation of The Assessed Sewer 8"-48"</p>	<p>Hubbell, Roth, &amp; Clark, Inc. Attn: Todd Sneathen, P.E. 555 Hulet Drive Bloomfield Hills, MI (248) 454 6576</p>	<p>Blanket Maintenance Contract</p>	<p>Start: 09/08/2014 End: Ongoing</p>



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

<p><u>City of Bay City</u> 2014 Critical Sewer Relining Project Cleaning &amp; Televising 8"-20" For Lining</p>	<p>Lanzo Trenchless Technologies North 28135 Groesbeck Hwy. Roseville, MI 48066 Attn: Kevin Murphy (586) 775 5819</p>	<p>\$145,000</p>	<p>Start: 09/30/2014 Ended: 12/02/2014</p>
<p><u>City of Farmington</u> 2014 Sanitary Sewer Rehabilitation Cleaning &amp; Televising 12" to 42" X 27" Elliptical For Lining, UV Spot Lining 24", &amp; MH Rehab</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p>\$303,149.25</p>	<p>Start: 1/12/2015 Ended: 4/15/2016</p>
<p><u>Wayne County Department of Public Services</u> Siphon S-1 Clean &amp; Televis Project- 24" Cleaning &amp; Televising 24" Dual Siphons Inkster Arm 60" Cleaning Hines Drive Regulator &amp; Siphon Cleaning- 72" Downriver 5 Year Interceptor &amp; Tunnel Cleaning- 36"- 108"</p>	<p>Wayne County Downriver WWTF 797 Central Wyandotte, MI 48192 Attn: Chris Nastally (313) 506 8488</p>	<p>\$1,000,000</p>	<p>Start: 2/15/2015 Ended: 10/15/2016</p>
<p><u>OMID- Northeast Pump Station Wet Well Cleaning</u> Cleaning North side of the wet well that was 125' deep- Removed over 50 cubic yards of material and cleaned debris from protection screen</p>	<p>OCWRC 1 Public Works Drive Waterford, MI 48328 Attn: Sid Lockhart, P.E. (248) 858 0958</p>	<p>\$75,000</p>	<p>Start: 4/13/2015 Ended: 4/21/2015</p>
<p><u>Chesterfield Township- 2015 Sanitary Sewer Rehabilitation By FCIPP &amp; SCIPP Lining</u> Cleaning &amp; CCTV &amp; Spot Lining of 15 segments ranging from 10" to 21"</p>	<p>AEW 51301 Schoenherr Road Shelby Twp., MI 48315 Attn: Aseel Putros, P.E. (248) 726 1234</p>	<p>\$163,000</p>	<p>Started: 7/13/2015 Ended: 9/24/2015</p>



# PIPELINE MANAGEMENT CO., INC.

Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation

<p><u>City of Royal Oak- 2015 Sewer Televising &amp; Root Treatment</u> Cleaning &amp; CCTV of 105,000' of 8"-36" Combined Sewer &amp; Root Treatment of 21,000' of 8"-36" Combined Sewer.</p>	<p>City of Royal Oak 211 Williams Street Royal Oak, MI 48067 Attn: Leo Seneres, P.E. (248) 246 3260</p>	<p>\$398,000</p>	<p>Started: 7/06/2015 Ended: 4/3/2016</p>
<p><u>City of Farmington Hills- Storm Sewer Cleaning &amp; CCTV Assessment- Independence Commons Subdivision</u> Cleaning &amp; CCTV Assessment of 15,000' of 10"-48" Storm Sewer</p>	<p>HRC 555 Hulet Drive P.O. Box 824 Bloomfield Hills, MI 48303-0824 Attn: Kristen Paulson, P.E. (248) 454-6300</p>	<p>\$100,000</p>	<p>Started: 7/29/2015 Ended: 10/15/2016</p>
<p><u>City of New Baltimore- Brady &amp; Reginald Street Rehabilitation of Sanitary Sewer (CIPP Of Laterals) &amp; Rehabilitation Of Sanitary Manholes</u> Manhole Lining of 11 MH's &amp; Lateral Lining of 9 Laterals</p>	<p>Project Control Engineering, Inc. P.O. Box 307 Algonac, MI 48001 Attn: Jeff Horner, P.E. (810) 794 1931</p>	<p>\$119,175</p>	<p>Started: 9/21/2015 Ended: 11/1/2015</p>
<p><u>Township of Scio- 2015/2016 Sanitary Sewer Televising Project</u> 27,003' of 8"-18" of CCTV/Clean/Assessment &amp; 110 MH Inspections</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p>\$77,549.95</p>	<p>Started: 12/7/2015 Ended: 3/1/2016</p>
<p><u>Commerce Township Saw Grant # 1021-01- CCTV &amp; Sanitary Sewer Cleaning/Assessment w/ Manhole Inspections</u> 75,000' of 8"-36" CCTV/Clean/Assess &amp; 350 MH Inspections</p>	<p>Giffels Webster 1025 E. Maple Rd. Suite 100 Birmingham, MI 48009 Attn: Joe Koger (248) 852 3100</p>	<p>\$349,650</p>	<p>Started: 4/04/2016 Ended: 10/15/2016</p>
<p><u>Township of Scio- 2016 Sanitary Sewer Rehab Project – 7,900' of 8"-15" CIPP Lining, 8 UV Cure Fiberglass Reinforced Spot Lining, MH and Joint Grouting</u></p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p>\$332,159.95</p>	<p>Started: 8/01/2016 Ended: 4/1/2017</p>

PIPELINE MANAGEMENT COMPANY, INC.

2673 E. Maple Road

Milford, MI 48310

248.685.1500



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

<p><u>Gulf Shores, Alabama</u> Gulf Shores 2016-6 Manhole Rehab Project- Rehabilitation of 71 Manholes</p>	<p>Utilities Board of the City of Gulf Shores 1629 East 1<sup>st</sup> Street Gulf Shores, Alabama 36547 Attn: Clifford Johnson (251) 968 6323</p>	<p style="text-align: center;">\$225,600.00</p>	<p style="text-align: center;">Started: 12/15/2016 Ended: 3/1/2017</p>
<p><u>City of Battle Creek, MI- 2017 SAW Grant Assessment Project</u> – 40,000’ of 8” – 42” Cleaning, Televising, &amp; Assessment Storm &amp; Sanitary Sewer</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Kyle Currie, P.E. (734) 522 6711</p>	<p style="text-align: center;">\$250,000.00</p>	<p style="text-align: center;">Started: 4/1/2017 End: 7/1/2017</p>
<p><u>Milford, MI SAW Grant Assessment</u> Cleaning, Televising, &amp; Assessment Storm &amp; Sanitary Sewer</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p style="text-align: center;">\$175,000.00</p>	<p style="text-align: center;">Started: 7/1/2018 End: 9/15/2018</p>
<p><u>Gulf Shores, Alabama</u> Gulf Shores 2017-6 Pressure Testing &amp; Grouting Laterals And Mainline Joints</p>	<p>Utilities Board of the City of Gulf Shores 1629 East 1<sup>st</sup> Street Gulf Shores, Alabama 36547 Attn: Clifford Johnson (251) 968 6323</p>	<p style="text-align: center;">\$450,000.00</p>	<p style="text-align: center;">Started: 10/1/2017 Ended: 4/1/2018</p>
<p><u>I-275 Rehabilitation Contract</u> MDOT Work To Clean &amp; Televis Culverts From 5Mile To Ford Rd on I-275</p>	<p>DLZ Michigan, Inc. 1425 Keystone Ave. Lansing, MI:48911 Attn: William Zipp, P.E. (517) 393 6800</p>	<p style="text-align: center;">\$210,000.00</p>	<p style="text-align: center;">Started: 11/1/2017 Ended: 4/15/2018</p>
<p><u>Macomb County Road Commission</u> Manhole &amp; Joint Grouting 42” Storm Sewer</p>	<p>Macomb County Road Commission 117 South Groesbeck Mount Clemens, MI. 48043 Attn: Leo Ciavatta (586)792 5068</p>	<p style="text-align: center;">\$75,000.00</p>	<p style="text-align: center;">Started: 6/1/2017 Ended: 7/1/2017</p>



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

<p><u>Oakland County Water Resources Commissioner</u> 9 Mile @ PHCC Sanitary Sewer Rehab Project- CIPP Lining 969' of 36" including cleaning &amp; CCTV, bypass, clearing, access roads, grouting, and restoration.</p>	<p>OCWRC 1 Public Works Drive Waterford, MI 48328 Attn: George Nichols, P.E. (248) 858 0958</p>	<p style="text-align: center;">\$919,000.00</p>	<p style="text-align: center;">Started: 12/1/2018 Ended: 4/15/2019</p>
<p><u>City of Pontiac</u> Storm Sewer Cleaning &amp; Catch Basin Cleaning Throughout The City- Various Sizes Each Year</p>	<p>City of Pontiac 47450 Woodward Avenue Pontiac, MI. 48342 Attn: Jack Cady (248)758 3616</p>	<p style="text-align: center;">Blanket Maintenance Contract</p>	<p style="text-align: center;">Start: 04/01/2019 End: Ongoing</p>
<p><u>City of Farmington</u> Blanket Maintenance Contract Cleaning &amp; Televising Various Sizes Each Year</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p style="text-align: center;">Blanket Maintenance Contract</p>	<p style="text-align: center;">Start: 06/01/2019 End: Ongoing</p>
<p><u>Dans Excavating</u> Multiple Jobs 2019- Cleaning &amp; Televising, Spot Lining, Joint &amp; Lateral Grouting Various Sizes</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Matt Parks, P.E. (734) 522 6711</p>	<p style="text-align: center;">\$101,135.00</p>	<p style="text-align: center;">Start: 01/01/2019 Ended: 11/1/2019</p>
<p><u>Augusta Township</u> Grouting Joints 15", 312LF of 15" CIPP Lining, 15" UV Spot Lining, Spray-lining 5 Manholes</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Nicholas Bayley, P.E. (734) 522 6711</p>	<p style="text-align: center;">\$108,600.00</p>	<p style="text-align: center;">Start: 05/21/2019 Ended: 8/15/2019</p>
<p><u>DTE Energy</u> CCTV 3000' of 14" HDPE Forcemain</p>	<p>DTE Energy- Sibley Quarry 803 Fort Street Trenton, MI 48183 Attn: Mr. Robert Haske (734) 716 3142</p>	<p style="text-align: center;">\$27,500.00</p>	<p style="text-align: center;">Start: 06/10/2019 Ended: 6/25/2019</p>



# PIPELINE MANAGEMENT CO., INC.

*Michigan Department of Transportation Prequalified Contractor  
Pipeline Inspection, Maintenance, Repair and Rehabilitation*

<p><u>Wayne County</u> Blanket Maintenance Contract Cleaning &amp; Televising Various Sizes Each Year</p>	<p>Wayne County Department of Public Services 3600 Commerce Court Wayne, MI 48184 Attn: Kelly Cave, P.E. (734) 326 4437</p>	<p>Blanket Maintenance Contract</p>	<p>Start: 06/01/2017 End: Ongoing</p>
<p><u>Livingston County Regional Sewer System</u> CCTV &amp; Clean 17,154' of 8" – 15" &amp; 66 Level 1 Manhole Inspections</p>	<p>Giffels Webster 1025 E. Maple Rd. Suite 100 Birmingham, MI 48009 Attn: Jason Mayer, P.E. (248) 852 3100</p>	<p>\$58,744.00</p>	<p>Start: 8/5/2019 Ended: 10/15/2019</p>
<p><u>Veolia North America Downriver Utility Authority</u> Blanket Contract For Cleaning, TV, CIPP Spot Repairs, &amp; Grouting of 8"-160" pipe</p>	<p>Veolia North America 797 Central Ave. Wyandotte, MI 48192 Attn: Michael Tapp (734) 250 3985</p>	<p>Blanket Maintenance Contract</p>	<p>Start: 10/15/2019 End: Ongoing</p>
<p><u>City of Fenton Sanitary &amp; Storm SAW Grant</u> CCTV &amp; Clean 150,000' of 6" – 24" Sanitary &amp; Storm Sewer</p>	<p>OHM Advisors 34000 Plymouth Road Livonia, MI Attn: Mr. Steve Siklich, P.E. (734) 522 6711</p>	<p>\$450,000.00</p>	<p>Start: 8/5/2019 End: Ongoing</p>

April 30, 2016

STATE LICENSING BOARD FOR GENERAL CONTRACTORS

Attn: Ashley Patterson  
Licensing Specialist  
2525 Fairlane Drive  
Montgomery, Alabama 36116

REF: Pipeline Management Company

RE: Letter of Reference

Dear Ms. Patterson:

I would like to provide you with a reference for Pipeline Management Company in the work areas of:

1. MU-S: MANHOLE AND LIFT STATION REHABILITATION
2. MU-S: SEWER REHABILITATION

*I have managed various projects with Pipeline Management over the years working directly with public municipal clients across Southeast Michigan. OHM Advisors works with well over 100 different Township City, County, and State Agencies to help Advance Communities throughout the Midwest. One of our priorities is to assist these municipal governments with the management of their infrastructure and sustainable design. Pipeline Management is a preferred contractor that performs at a high level and truly cares about their quality of work. Often times, their team is able to bring different technologies to the table to help reduce cost and add value to the project. I personally have managed well over \$1,000,000 of construction projects with Pipeline Management during my 14-year career with OHM Advisors.*

*Currently, OHM Advisors is working with Pipeline Management on a sewer investigation and rehabilitation project for the City of Farmington and Detroit Water and Sewerage Department (DWSD). The contract is valued at approximately \$300,000 and involves CIPP lining, manhole rehab as well as a preliminary investigation phase that was already completed. Currently the project is about to closed out pending final approval from DWSD. The contract was performed on time and under budget.*

*OHM Advisors is also working on a televising contract with Pipeline Management in Scio Township. Scio is located just west of Ann Arbor, Michigan and is aggressively taking care of inflow and infiltration concerns. Phase I involved preliminary work that included just under \$100,000 of televising work and Phase II is currently being bid out based on the work Pipeline performed. This contract is expected to be awarded in May.*

*Overall, Pipeline is a company OHM Advisors trusts and would recommend using for manhole, pipe assessment and also rehabilitation of sewer systems. Their office personnel are timely with administrative items and field staff is courteous and proactive.*



ARCHITECTS. ENGINEERS. PLANNERS.

*If there are any questions at all, please do not hesitate to call me at 248-444-8984.*

Sincerely,  
OHM Advisors,

A handwritten signature in cursive script, appearing to read "Matthew D. Parks". The signature is written in dark ink and is positioned above a horizontal line.

Matthew D. Parks, P.E.  
State of Michigan PE#53585

MDP/mdp

cc: Email to [Ashley.Patterson@genconbd.alabama.gov](mailto:Ashley.Patterson@genconbd.alabama.gov)

File



# WRC

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## WATER RESOURCES COMMISSIONER

*Jim Nash*

April 26, 2016

STATE LICENSING BOARD FOR GENERAL CONTRACTORS

Attn: Ashley Patterson  
Licensing Specialist  
2525 Fairlane Drive  
Montgomery, Alabama 36116

REF: Pipeline Management Company

RE: Letter of Reference

Dear Ms. Patterson:

I would like to provide you with a reference for Pipeline Management Company (PMC) in the following work areas of:

1. MU-S: MANHOLE AND LIFT STATION REHABILITATION
2. MU-S: SEWER REHABILITATION
3. MU-S: SEWER LINE INDUSTRIAL VACCUM AND WATER BLASTING

PMC has performed the above work for the Oakland County Water Resources Commissioner (OCWRC) since 2010. OCWRC operates and maintains sanitary sewer systems for fourteen (14) communities in Oakland County Michigan and four (4) sewage disposal systems owned by OCWRC.

PMC's initial Contract #2799 for As Needed and Emergency Services was awarded April 17, 2010 and expired May 15, 2012 the final contract amount was \$3,884,781.92. The following types of work were performed by PMC:

- CCTV inspection of sanitary sewers using NASCO PACP standards
- Cleaning of sanitary sewers using a high pressure jet and vacuum truck, including cutting roots, calcium deposits and intruding leads
- CIPP lining of sanitary sewers including reinstatement of leads
- Installation of spot liners for short repairs
- Chemical grouting sanitary sewers using CCTV camera and packers for small diameter pipes. PMC has also performed manual chemical grouting of large diameter sanitary sewers requiring man entry.
- Manhole lining, repairs and grouting

PMC was awarded their current Contract #3511 for As Needed and Emergency Services on May 16, 2012 the expiration date is May 31, 2017. The current contract amount is \$5,310,000.00. To date \$4,486,373.04 has been completed. The contract amount will be increased as necessary to accommodate anticipated work through May 31, 2017.



I have found PMC to be a competent and dependable contractor. I would recommend PMC to anyone requiring a contractor to perform trenchless sanitary sewer investigation and/or rehabilitation.

Should you have any questions or need additional information please do not hesitate to contact me.

**Oakland County Water Resource Commissioner**



Ben L. Lewis, P.E.

Chief Engineer  
One Public Works Drive, Bldg. 95 West  
Waterford, MI 48328-1907  
Office Number: (248) 858-1539  
Cell Number: (248) 292-9357  
Fax Number: (248) 858-1066  
Email: [lewisbe@oakgov.com](mailto:lewisbe@oakgov.com)

cc: Email to [Ashley.Patterson@genconbd.alabama.gov](mailto:Ashley.Patterson@genconbd.alabama.gov)

May 1, 2016

STATE LICENSING BOARD FOR GENERAL CONTRACTORS

Attn: Ashley Patterson  
Licensing Specialist  
2525 Fairlane Drive  
Montgomery, Alabama 36116

REF: Pipeline Management Company  
2673 E. Maple Road  
Milford, MI 48381

RE: Letter of Reference

Dear Sir/Madam:

I would like to provide you with a reference for Pipeline Management Company in the work areas of:

1. MU-S: MANHOLE AND LIFT STATION REHABILITATION
2. MU-S: SEWER REHABILITATION
3. MU-S: SEWER LINE INDUSTRIAL VACCUM AND WATER BLASTING

I have worked with Pipeline Management since 2014, they were awarded and have held a ongoing contract with the Charter Township of Independence in the State of Michigan for Cleaning, Televising and Rehabilitation of Sanitary Sewer Pipe. Pipeline Management has performed over a million dollars of work under this contract and continues to perform the work in timely and responsive manner. The work under this contract includes, but is not limited to cleaning and televising various diameter sanitary sewer pipes and when necessary, the associated bypass pumping and traffic control. They have also employed various rehabilitation methods including, but not limited to "spot lining" and pressure grouting to repair broken and leaking sewers. When contacted by other communities to provide a reference for Pipeline, I have shared my positive experience with regard to the work they have completed under the above referenced contract and indicate their capabilities and professionalism in performing work of this nature.

If you have any further questions or require additional information, please contact me.

Sincerely,



Todd Sneathen, P.E.  
Associate  
Hubbell, Roth & Clark, Inc.  
555 Hulet Drive  
Bloomfield Hills, Michigan 48302-0824  
517-294-6193  
[tsneathen@hrc-engr.com](mailto:tsneathen@hrc-engr.com)

cc: Email to [Ashley.Patterson@genconbd.alabama.gov](mailto:Ashley.Patterson@genconbd.alabama.gov)



GRETCHEN WHITMER  
Governor

STATE OF MICHIGAN  
DEPARTMENT OF TRANSPORTATION  
Lansing

PAUL C. AJEGBA  
Director

February 27, 2020

Pipeline Management Company, Inc.  
2673 E Maple Rd  
Milford MI 48381-3645

06915  
(248) 685-1500

Dear Vendor:

In accordance with our Administrative Rules we have established your numerical rating which is based on a financial rating of \$2,000,000.00 covering the classifications in the amounts stated below. This prequalification rating is effective until April 30, 2021.

2000	N94A	Sewer Cleaning
2000	N94B	Sewer Inspection

It will be assumed that the rating is satisfactory unless the Prequalification Committee is notified in writing to the contrary within 15 days after the bidder has been advised of the rating granted. The Department, may declare a prequalified bidder ineligible to bid at any time because of developments subsequent to prequalification which, in their opinion, would affect the responsibility of the bidder or their ability to perform the contract work.

Lawrence F. Strzalka  
Manager  
Construction Contracts Section  
Contract Services Division

# MEMORANDUM



**TO:** JEFF HERCZEG, DPW DIRECTOR  
**FROM:** BEN CROY, WATER & SEWER SENIOR MANAGER  
**SUBJECT:** SAW GRANT  
**DATE:** MARCH 7, 2019

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In 2015, the City of Novi received grant funding from the Michigan Department of Environmental Quality (MDEQ) through a program intended to assist with Stormwater, Asset Management, and Wastewater (SAW) projects. Two grants for sanitary sewer system related tasks were successfully applied for; one submitted by the Department of Public Works' Water and Sewer Division, and one submitted by the Oakland County Water Resources Commissioner (for work related to the portion of the sanitary sewer system they maintain on behalf of Novi). The grant funding under the SAW programs allowed for a 90% grant (with 10% local match) for the first million, and a 75% grant (25% local match) for the second million. Between the two grants, **Novi received \$1,104,646 in grant funding** (with a match of \$140,180) for sanitary sewer system inspection, asset management planning, and construction projects.

Figure 1 shows the areas inspected during this five-year program (2013-2018). Even though the grant was awarded in 2015, work dating back through 2013 was considered eligible, allowing pipe inspections and manhole repairs already completed to be reimbursed. The one primary program limitation was that infrastructure involved must be 20+ years old to be eligible for the grant funding, which meant the areas investigated fell within the older areas of the city.

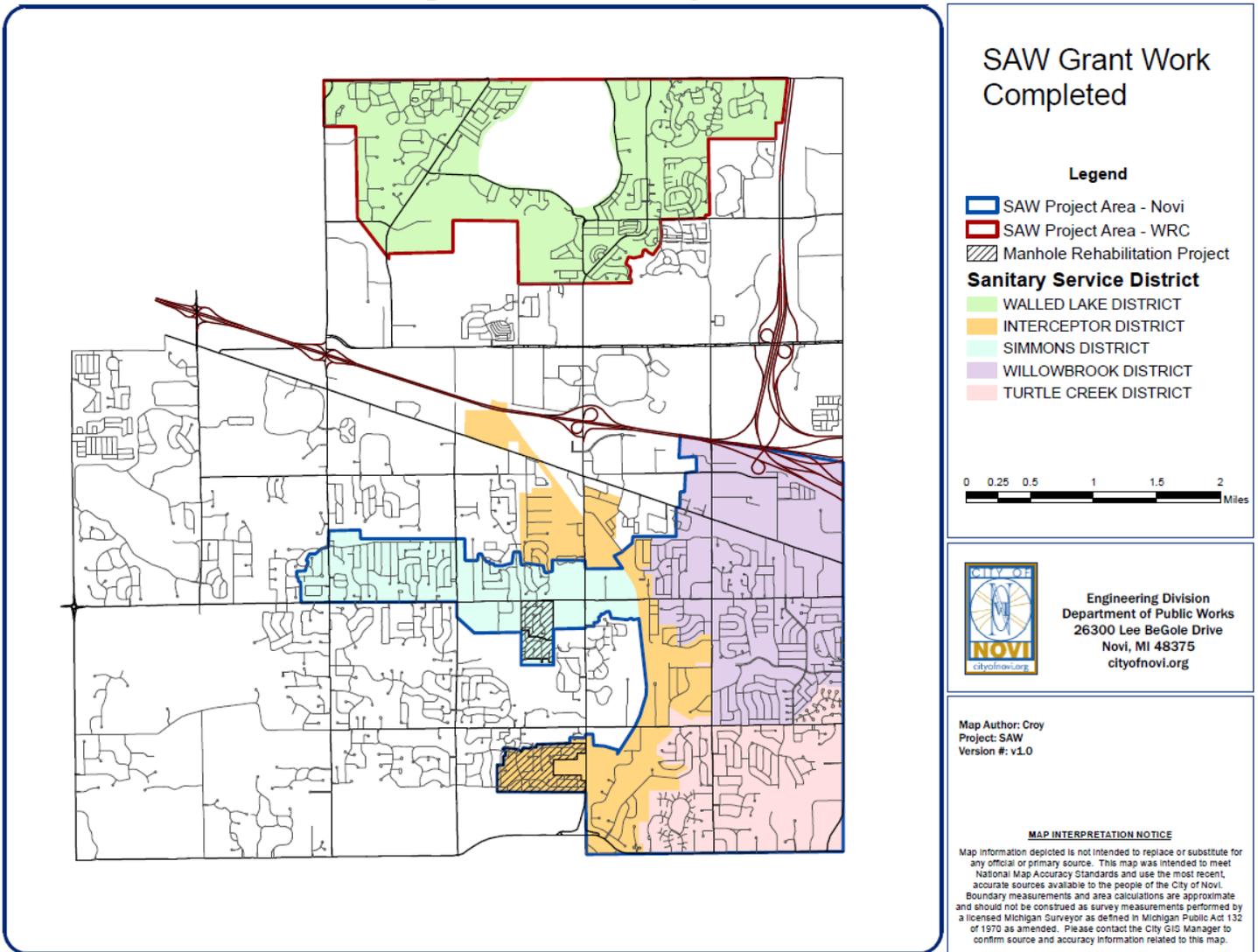
The tasks completed during the SAW grant program included the following:

- Televising, cleaning, and inspection of sanitary sewer pipe - this work was completed by Water and Sewer Division staff, the City's contractor (Metro Environmental) and Oakland County staff; 546,678 linear feet (103 miles) of pipe was inspected during the program.
- Condition assessment of sanitary sewer manhole structures - 1,673 manholes were inspected during the program.
- Manhole Rehabilitation - 133 sanitary sewer manholes were repaired or reconstructed as necessary throughout four subdivisions.
- Asset Management Plan - This plan was developed as a tool to help implement a cost-effective program for future maintenance of the sanitary sewer system.

Two reports summarizing the findings and recommendations resulting from the SAW program were developed by OHM Advisors, the consultant used by both Novi and

Oakland County for this work. The reports outline short-term and long-term plans for infrastructure repair, as well as an asset management plan.

Figure 1: SAW Grant Project Area



Based on the findings summarized in the two reports, future projects will be developed to complete the repairs identified during the inspection. Some projects have already been planned for in the City’s Capital Improvement Program in anticipation of the upcoming work. These projects will be completed following a prioritization analysis based on the severity of the defect and the consequence of failure for each segment. In general, the city’s sanitary sewer infrastructure is in good condition. This is encouraging news given that the area inspected contains some of the city’s oldest infrastructure.

cc: Scott Roselle, Water and Sewer Asset Manager

**RESOLUTION**

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for the construction contract award to Pipeline Management Company associated with the 2020 Sanitary Pipe and Manhole Rehabilitation project is authorized:

	<b>INCREASE (DECREASE)</b>
<b>WATER &amp; SEWER FUND</b>	
<b>APPROPRIATIONS</b>	
Capital Outlay	188,099
<b>TOTAL APPROPRIATIONS</b>	<u><b>\$ 188,099</b></u>
<b>Net Increase (Decrease) to Fund Balance</b>	<u><u><b>\$ (188,099)</b></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 July 27, 2020.

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Cortney Hanson  
City Clerk