



CITY OF NOVI CITY COUNCIL
SEPTEMBER 11, 2023

SUBJECT: Consideration of approval to award the construction contract to M-K Construction Co., Inc., the sole bidder, for the Middle Rouge Streambank Stabilization and Meadowbrook Lake Dredging project, in the amount of \$1,999,454.13.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 1,999,454.13
AMOUNT BUDGETED	\$ 2,637,508.00 FY 2022-23 Budget Rollover
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	211-445.00-975.146

BACKGROUND INFORMATION:

Meadowbrook Lake, which is part of the Meadowbrook Lake subdivision, receives surface water from two inlet tributaries on the north end of the lake (the Walled Lake Branch of the Middle Rouge and Ingersol Creek). Sediment has been building up at both tributaries, resulting in the formation of sediment 'islands' at the north end of the lake. Construction activities north of the lake several years ago may have resulted in an influx of sediment into the Middle Rouge tributary. The sediment fan, or 'islands', that have accumulated at the tributaries are likely obstructing the flow of water into the lake, and they have limited the residents' ability to use the lake for recreation, such as fishing. Additionally, the Middle Rouge channel leading into the lake south of Chattman Road has eroded significantly. The channel runs between two homes, with the banks less than 50 feet from either home. Stabilizing the streambank at this location will help reduce bank erosion and sediment loading into the lake and will reduce the threat of a steepening and/or widening channel. The project will involve hydraulically dredging 7,000 cubic yards of sediment from the tributary areas along with stabilization of approximately 230 feet of the Middle Rouge inlet channel south of Chattman Road.

OHM Advisors assisted the Engineering Division with developing engineering design plans for the project. The plans were advertised for public bids on July 18, 2023. One (1) bid was

received and opened on August 8, 2023, following the solicitation period. M-K Construction, the sole bidder, is recommended in the best interest of the City, as it is responsive and complies with all requirements of the bidding instructions. The award recommendation letter including the bid tabulation is attached.

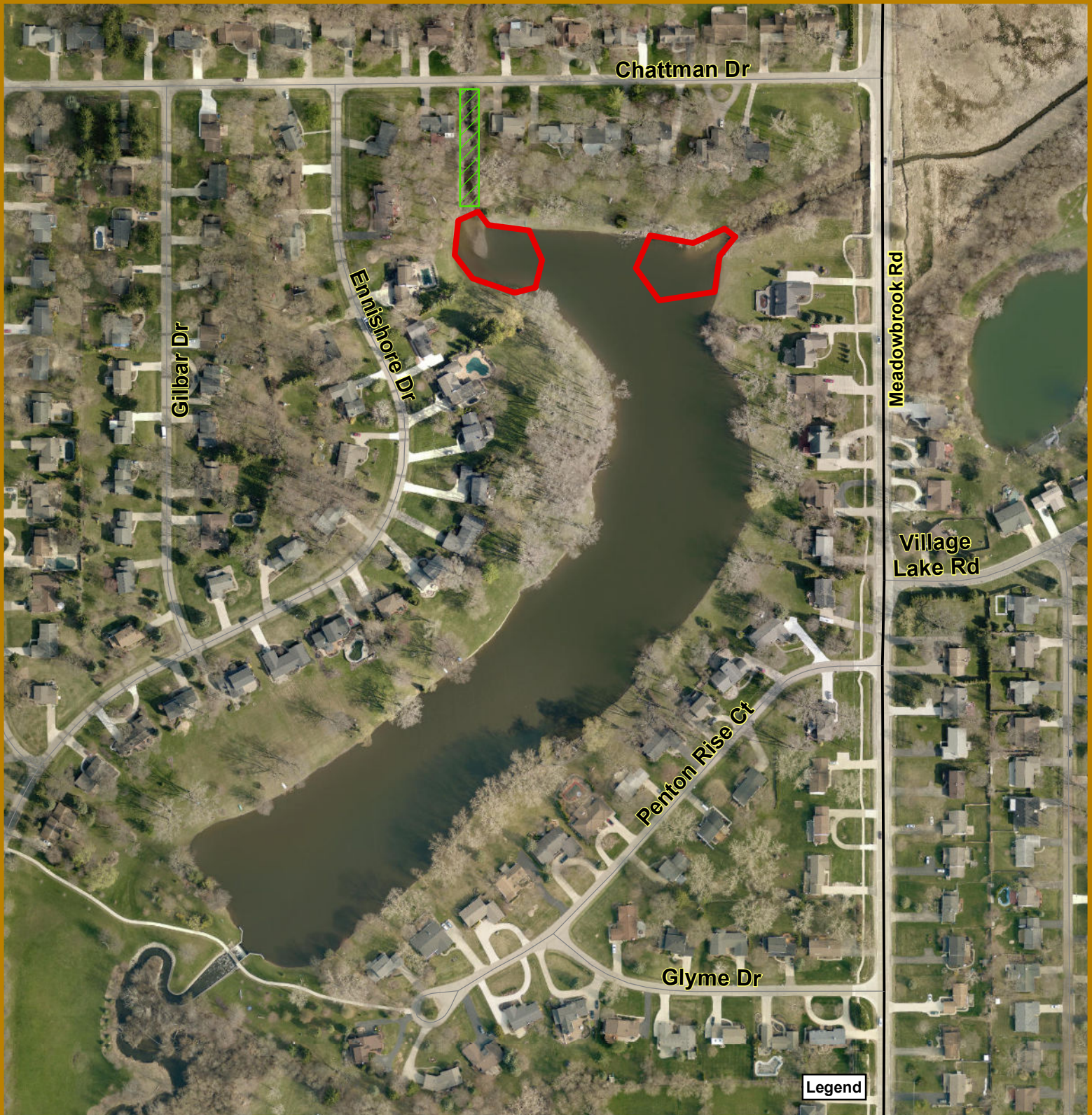
The contract administration and geotechnical engineering services related to this project will be awarded to the following pre-qualified firms using the fee percentages in the Agreements for Professional Engineering Services and Geotechnical Engineering Services for Public Projects. Construction is expected to begin next spring and last approximately 4 months.

OHM Advisors		
Contract Administration	5% of the construction award (\$1,999,454.13 X 0.05)	\$ 99,972.71
Crew Days	\$800 daily inspection fee x 90 days	\$ 72,000.00

G2		
Material testing services	1.9% of the construction award (\$1,999,454.13 X 0.019)	\$ 37,989.63


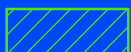
RECOMMENDED ACTION: Approval to award the construction contract to M-K Construction Co., Inc., the sole bidder, for the Middle Rouge Streambank Stabilization and Meadowbrook Lake Dredging project, in the amount of \$1,999,454.13.

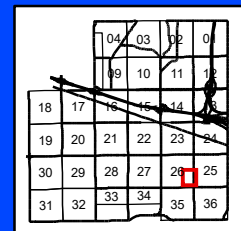
Middle Rouge Streambank Stabilization and Meadowbrook Lake Dredging Location Map



Map Author: Runkel
Date: 8-15-23
Version #: 1.0

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

-  Proposed Dredge Area
-  Streambank Stabilization



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



August 15, 2023

Ben Croy, P.E.
City Engineer
City of Novi, Department of Public Works
26300 Lee Begole Drive
Novi, MI 48375

RE: Middle Rouge Stream Stabilization and Meadowbrook Lake Dredging
Recommendation of Award

Dear Mr. Ben Croy:

A sealed bid for the Middle Rouge Stream Stabilization and Meadowbrook Lake Dredging project was received by the City from one (1) bidder. We have reviewed and checked the bid, and attached the Bid Tabulation for your information. The lowest bidder is as follows:

Contractor	TOTAL BID
M-K Construction Co., Inc.	\$2,071,454.13

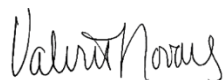
The project scope consists of dredging approximately 7000 cubic yards of material within Meadowbrook Lake and approximately 230 feet of stream stabilization along the Walled Lake branch of the Middle Rouge River. The final engineer's estimate of probable construction cost was approximately \$3,190,000.

M-K Construction Co., Inc. is the apparent lowest responsible bidder for this project. OHM Advisors reviewed projects submitted with the bid and performed reference checks. After review of the bid packages, it was identified that the bid received is 35% lower than the engineer's estimate of probable construction cost. Based on the bid received and conversations with references, we believe the bid result is due to the fact that M-K Construction uses little to no sub-contractors.

M-K Construction Co., Inc. provided additional dredging project references to supplement those submitted in the sealed bid. OHM Advisors reviewed the relevant projects submitted and determined that M-K Construction Co., Inc has satisfactorily completed similar projects for southeast Michigan communities. Therefore, we recommend award of this contract to M-K Construction Co., Inc. in the amount of **\$1,999,454.13** per the unit prices bid for the project. Please note that this contract award amount is derived from the total bid amount of \$2,071,454.13, less the crew day cost of \$72,000.

If you have any questions, please do not hesitate to call me at (734) 466-4567.

Sincerely,
OHM Advisors



Valerie Novaes, P.E.
Principal & Sr. Project Manager



Encl: Bid Tabulation
cc: Jeff Herczeg, Director of Public Works
Aaron Staup, Construction Engineer
Rebecca Runkel, Project Engineer
Tim Juidici, P.E., OHM
Steven Siklich, P.E., OHM

Item No.	Description	Estimated Quantity	Unit Price	Amount
1)	Mobilization, Max 5%	1 LSUM	\$100,000.00	\$100,000.00
2)	Audio Video Route Survey	1 LSUM	\$57,000.00	\$57,000.00
3)	Traffic Maintenance and Control	1 LSUM	\$21,000.00	\$21,000.00
4)	Clearing & Grubbing	0.05 Acre	\$840,000.00	\$42,000.00
5)	Culv, Rem, Less than 24 inch	1 Ea	\$2,100.00	\$2,100.00
6)	Sidewalk, Rem	13 Syd	\$161.53	\$2,099.89
7)	Non Haz Contaminated Material Handling and Disposal, LM	7000 Cyd	\$34.58	\$242,060.00
8)	Ditch Grading	100 Ft	\$77.35	\$7,735.00
9)	Erosion Control, Gravel Access Approach	1 Ea	\$85,344.14	\$85,344.14
10)	Erosion Control, Sediment Trap	1 Ea	\$52,677.47	\$52,677.47
11)	Erosion Control, Silt Fence	512 Ft	\$14.00	\$7,168.00
12)	Erosion Control, Turbidity Curtain, Deep	375 Ft	\$145.13	\$54,423.75
13)	Erosion Control, Turbidity Curtain, Shallow	50 Ft	\$42.00	\$2,100.00
14)	Aggregate Base, 4 inch	15 Syd	\$280.00	\$4,200.00
15)	Culv, CI E, Conc, 12 inch	24 Ft	\$175.00	\$4,200.00
16)	Sidewalk, Conc, 4 inch	117 Sft	\$59.82	\$6,998.94
17)	Fence, Temp	300 Ft	\$14.00	\$4,200.00
18)	Dredge, Silt/Sand	7000 Cyd	\$94.20	\$659,400.00
19)	Detail A, Streambank Stabilization	2.30 Sta	\$217,933.45	\$501,246.94
20)	Sump Lead, Remove and Replace	1 Ea ¹	\$1,200.00	\$1,200.00
21)	Tree, Replacement, 3 Gallon	3 Ea	\$700.00	\$2,100.00
22)	Irrigation Line Replacement	400 Ft	\$12.25	\$4,900.00
23)	Irrigation Head Replacement	30 Ea	\$70.00	\$2,100.00
24)	Watering and Cultivating, First Season	1 LSUM	\$7,000.00	\$7,000.00
25)	Watering and Cultivating, Second Season	1 LSUM	\$200.00	\$200.00
26)	Topsoil and Sod, 3 inch	4500 Syd	\$28.00	\$126,000.00
27)	Crew Days	90 Cday	\$800.00	\$72,000.00
TOTAL BID AMOUNT				<u>\$2,071,454.13</u>

¹ Quantity adjusted to reflect engineer's quantity error

BID
for
Middle Rouge Stream Stabilization and Meadowbrook Lake Dredging

Bid of M-K CONSTRUCTION CO., INC hereinafter called Bidder, organized and existing under the laws of or a resident of the State of Michigan, doing business as M-K CONSTRUCTION CO., INC *.

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>01</u>	<u>7-18-23</u>
<u>02</u>	<u>7-19-23</u>
<u>03</u>	<u>8-1-23</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:

Item No.	Item Description	Qty	Unit	Unit Price	Total Price
Category 1 – All					
1	Mobilization, Max 5%	1.00	LSUM	\$ <u>100,000.-</u>	\$ <u>100,000.-</u>
2	Audio Video Route Survey	1.00	LSUM	\$ <u>57,000.-</u>	\$ <u>57,000.-</u>
3	Traffic Maintenance and Control	1.00	LSUM	\$ <u>21,000.-</u>	\$ <u>21,000.-</u>
4	Clearing & Grubbing	0.05	Acre	\$ <u>840,000.-</u>	\$ <u>42,000.-</u>
5	Culv, Rem, Less than 24 inch	1.00	Ea	\$ <u>2100.-</u>	\$ <u>2100.-</u>
6	Sidewalk, Rem	13.00	Syd	\$ <u>161.53</u>	\$ <u>2099.89</u>



Item No.	Item Description	Qty	Unit	Unit Price	Total Price
7	Non Haz Contaminated Material Handling and Disposal, LM	7000.00	Cyd	\$ <u>34.58</u>	\$ <u>242060.-</u>
8	Ditch Grading	100.00	Ft	\$ <u>77.35</u>	\$ <u>7735.-</u>
9	Erosion Control, Gravel Access Approach	1.00	Ea	\$ <u>85344.14</u>	\$ <u>85344.14</u>
10	Erosion Control, Sediment Trap	1.00	Ea	\$ <u>52677.47</u>	\$ <u>52677.47</u>
11	Erosion Control, Silt Fence	512.00	Ft	\$ <u>14.-</u>	\$ <u>7168.-</u>
12	Erosion Control, Turbidity Curtain, Deep	375.00	Ft	\$ <u>145.13</u>	\$ <u>54423.75</u>
13	Erosion Control, Turbidity Curtain, Shallow	50.00	Ft	\$ <u>42.-</u>	\$ <u>2100.-</u>
14	Aggregate Base, 4 inch	15.00	Syd	\$ <u>280.-</u>	\$ <u>4200.-</u>
15	Culv, CI E, Conc, 12 inch	24.00	Ft	\$ <u>175.-</u>	\$ <u>4200.-</u>
16	Sidewalk, Conc, 4 inch	117.00	Sft	\$ <u>59.82</u>	\$ <u>6998.94</u>
17	Fence, Temp	300.00	Ft	\$ <u>14.-</u>	\$ <u>4200.-</u>
18	Dredge, Silt/Sand	7000.00	Cyd	\$ <u>94.20</u>	\$ <u>659400.-</u>
19	Detail A, Streambank Stabilization	2.30	Sta	\$ <u>217933.45</u>	\$ <u>217933.45</u>
20	Sump Lead, Remove and Replace	1200.00	Ea	\$ <u>1.00</u>	\$ <u>1200.-</u>
21	Tree, Replacement, 3 Gallon	3.00	Ea	\$ <u>700.-</u>	\$ <u>2100.-</u>
22	Irrigation Line Replacement	400.00	Ft	\$ <u>12.25</u>	\$ <u>4900.-</u>
23	Irrigation Head Replacement	30.00	Ea	\$ <u>70.-</u>	\$ <u>2100.-</u>
24	Watering and Cultivating, First Season	1.00	LSUM	\$ <u>7000.-</u>	\$ <u>7000.-</u>
25	Watering and Cultivating, Second Season	1.00	LSUM	\$ <u>200.-</u>	\$ <u>200.-</u>
26	Topsoil and Sod, 3 inch	4500.00	Syd	\$ <u>28.-</u>	\$ <u>126000.-</u>
27	Crew Days	<u>90</u>	Cday	\$ <u>800.00</u>	\$ <u>72000.-</u>
Total Bid Amount (ITEM 1-27 incl.):					\$ <u>2,071,454.13</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 90 days from**



when constructions begins, and to Final Completion, including restoration and all punch list items, by November 1, 2025.

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 FIFTEEN hundred dollars (\$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 8/8/2023
Date*

BY: M-K CONSTRUCTION CO. INC
Name of Bidder*

18388 Dix - Toledo RD
Street*

[Signature]
Signature

Brownstown, MI 48193
City, State, ZIP*

MARK KOBOLAK - PRESIDENT
Name and Title of Signatory*

734-283-4637
Telephone Number*

734-283-0020
Facsimile Number*

*Typed or printed in ink.

