

**Tienken Manor North and Grosse Pines Subdivision  
Water Main Replacement Project  
ITB-RH-21-023**

Bid Opening: March 30, 2021 at 3:30 p.m.

Bidigare Contractors, Inc. 939 S. Mill St. Plymouth, MI 48170 248-735-1113	Murphy Pipeline Contractors, LLC 12235 New Berlin Rd. Jacksonville, FL 32226 904-764-6887	Pamar Enterprises, Inc. 31604 Pamar Court New Haven, MI 48048
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**Part A – Tienken Manor North Water Main Replacement Project**

<u>Item</u>	<u>Description</u>	<u>Est. Qty.</u>	<u>Unit Price</u>	<u>Total</u>	<u>Unit Price</u>	<u>Total</u>	<u>Unit Price</u>	<u>Total</u>
1	Water Main, HDPE SDR 11, 12 inch Dia. Pre-chlorinated Pipe Bursting 8 inch AC	1,435 Foot	\$125.00	\$179,375.00	\$140.00	\$200,900.00	\$170.00	\$243,950.00
2	Water Main, HDPE SDR 11, 10 inch Dia. Pre-chlorinated Pipe Bursting 6/8 inch CI	3,409 Foot	\$120.00	\$409,080.00	\$120.00	\$409,080.00	\$127.00	\$432,943.00
3	Water Main, HDPE SDR 11, 10 inch Dia. Pre-chlorinated Pipe Bursting 6/8 inch AC	9,863 Foot	\$120.00	\$1,183,560.00	\$125.00	\$1,232,875.00	\$127.00	\$1,252,601.00
4	Water Main, HDPE SDR 11, 10 inch Dia. Open Cut CI	108 Foot	\$125.00	\$13,500.00	\$150.00	\$16,200.00	\$127.00	\$13,716.00
5	Water Main, HDPE SDR 11, 10 inch Dia. Open Cut AC	142 Foot	\$125.00	\$17,750.00	\$150.00	\$21,300.00	\$127.00	\$18,034.00
6	Water Main, HDPE SDR 11, 10 inch Dia. Open Cut DI	50 Foot	\$125.00	\$6,250.00	\$150.00	\$7,500.00	\$127.00	\$6,350.00
7	Water Main, HDPE SDR 11, 12 inch Dia. Directional Drill	143 Foot	\$125.00	\$17,875.00	\$160.00	\$22,880.00	\$127.00	\$18,161.00
8	Water Main, HDPE SDR 11, 10 inch Dia. Directional Drill	80 Foot	\$120.00	\$9,600.00	\$140.00	\$11,200.00	\$127.00	\$10,160.00
9	Water Main, Ductile Iron CL 54, 8 inch Dia. Open Cut AC or DI	73 Foot	\$150.00	\$10,950.00	\$130.00	\$9,490.00	\$127.00	\$9,271.00
10	Water Service, Short, Lead Reconnect, w/valve & stop box assembly	106 Each	\$1,050.00	\$111,300.00	\$1,200.00	\$127,200.00	\$900.00	\$95,400.00
11	Water Service, Long, Lead Reconnect, w/valve & stop box assembly	104 Each	\$1,650.00	\$171,600.00	\$1,800.00	\$187,200.00	\$1,650.00	\$171,600.00
12	4 inch PRV with 8 foot Well	1 LS	\$18,000.00	\$18,000.00	\$8,000.00	\$8,000.00	\$18,000.00	\$18,000.00
13	6 inch PRV & 2 inch PRV with 8 foot Well	1 LS	\$17,000.00	\$17,000.00	\$9,000.00	\$9,000.00	\$21,000.00	\$21,000.00
14	PRV Vault, Rem	2 Each	\$2,000.00	\$4,000.00	\$500.00	\$1,000.00	\$800.00	\$1,600.00
15	Gate Valve & Well, 12 inch	3 Each	\$9,500.00	\$28,500.00	\$7,500.00	\$22,500.00	\$8,500.00	\$25,500.00
16	Gate Valve & Well, 10 inch	30 Each	\$7,500.00	\$225,000.00	\$6,000.00	\$180,000.00	\$7,700.00	\$231,000.00
17	Gate Valve & Well, 8 inch	2 Each	\$6,500.00	\$13,000.00	\$5,500.00	\$11,000.00	\$5,500.00	\$11,000.00
18	Gate Valve & Well, Rem 6/8 inch Dia.	30 Each	\$500.00	\$15,000.00	\$500.00	\$15,000.00	\$350.00	\$10,500.00
19	Tapping Sleeve Valve & Well, 6/8 inch Rem	3 Each	\$500.00	\$1,500.00	\$100.00	\$300.00	\$350.00	\$1,050.00
20	Connect to Existing Water Main	5 Each	\$5,000.00	\$25,000.00	\$500.00	\$2,500.00	\$5,500.00	\$27,500.00
21	Water main, 6/8 inch Dia. Cut/Plug and Abandon	143 Foot	\$10.00	\$1,430.00	\$10.00	\$1,430.00	\$10.00	\$1,430.00
22	Fire Hydrant	28 Each	\$6,500.00	\$182,000.00	\$5,000.00	\$140,000.00	\$7,700.00	\$215,600.00
23	Hydrant, Rem	25 Each	\$350.00	\$8,750.00	\$500.00	\$12,500.00	\$350.00	\$8,750.00
24	Culv, Class A, CSP, 12 inch	320 Foot	\$40.00	\$12,800.00	\$75.00	\$24,000.00	\$30.00	\$9,600.00
25	Pavt, Rem	2980 Syd	\$3.00	\$8,940.00	\$31.50	\$93,870.00	\$3.00	\$8,940.00
26	Driveway, Nonreinf. Conc, 6 inch	400 Syd	\$36.00	\$14,400.00	\$67.50	\$27,000.00	\$45.00	\$18,000.00
27	Curb & Gutter, Rem	390 Foot	\$8.00	\$3,120.00	\$7.00	\$2,730.00	\$11.00	\$4,290.00
28	Curb & Gutter, Conc, Det B2, Modified	390 Foot	\$35.00	\$13,650.00	\$30.00	\$11,700.00	\$30.00	\$11,700.00
29	Aggregate Base, CIP, 21AA	805 Ton	\$27.00	\$21,735.00	\$19.17	\$15,431.85	\$28.00	\$22,540.00
30	HMA, 5E3 (PG 64-22)	229 Ton	\$130.00	\$29,770.00	\$265.00	\$60,685.00	\$117.00	\$26,793.00
31	HMA, 4E3 (PG 64-22)	336 Ton	\$125.00	\$42,000.00	\$265.00	\$89,040.00	\$114.00	\$38,304.00
32	HMA, 3E3 (PG 64-22)	240 Ton	\$135.00	\$32,400.00	\$265.00	\$63,600.00	\$115.00	\$27,600.00
33	Hand Patching	10 Ton	\$150.00	\$1,500.00	\$100.00	\$1,000.00	\$125.00	\$1,250.00
34	Pathway Ramp/Landing, Conc, 6 inch	350 Sft	\$8.50	\$2,975.00	\$8.10	\$2,835.00	\$8.00	\$2,800.00
35	Detectable Warning Surface	16 Sft	\$50.00	\$800.00	\$20.00	\$320.00	\$25.00	\$400.00
36	Seeding Mixture, THM w/Mulch, w/ 3 inch Topsoil Surface	2000 Syd	\$12.00	\$24,000.00	\$0.75	\$1,500.00	\$6.00	\$12,000.00
37	Sodding, w/ 3 inch Topsoil Surface	6000 Syd	\$14.00	\$84,000.00	\$3.10	\$18,600.00	\$8.00	\$48,000.00
38	Tree, Rem, 6 inch to 18 inch	10 Each	\$345.00	\$3,450.00	\$300.00	\$3,000.00	\$350.00	\$3,500.00
39	Exploratory Excavation for Utility	4 Hr	\$600.00	\$2,400.00	\$325.00	\$1,300.00	\$350.00	\$1,400.00

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Water Main Replacement Project  
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40	Special Landscape Subdivision Sign at Ironstone and Tienken Entrance	1 LS	\$5,000.00	\$5,000.00	\$2,750.00	\$2,750.00	\$2,150.00	\$2,150.00
40	Soil Erosion Control Measures	1 LS	\$8,000.00	\$8,000.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00
41	Audio & Video Coverage	1 LS	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
42	Traffic Maintenance & Control	1 LS	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$45,000.00	\$45,000.00
43	Mobilization, 5% Max on Items 1 thru 42	1 LS	\$100,000.00	\$100,000.00	\$50,000.00	\$50,000.00	\$140,000.00	\$140,000.00
<b>Total Part A</b>				<b>\$3,098,960.00</b>		<b>\$3,144,416.85</b>		<b>\$3,274,383.00</b>

<b>Part B – Tienken Manor North Water Main Replacement Project</b>		<b>Est. Qty.</b>	<b>Unit Price</b>	<b>Total</b>	<b>Unit Price</b>	<b>Total</b>	<b>Unit Price</b>	<b>Total</b>
1	Water Main, HDPE SDR 11, 10 inch Dia. Pipe Bursting 8 inch AC	8,448 Foot	\$120.00	\$1,013,760.00	\$120.00	\$1,013,760.00	\$135.00	\$1,140,480.00
2	Water Main, HDPE SDR 11, 10 inch Dia. Pipe Bursting 8 inch DI	993 Foot	\$125.00	\$124,125.00	\$140.00	\$139,020.00	\$135.00	\$134,055.00
3	Water Main, HDPE SDR 11, 10 inch Dia. Direction Drill	253 Foot	\$125.00	\$31,625.00	\$130.00	\$32,890.00	\$135.00	\$34,155.00
4	Water Main, HDPE SDR 11, 10 inch Dia. Open Cut AC	220 Foot	\$125.00	\$27,500.00	\$150.00	\$33,000.00	\$135.00	\$29,700.00
5	Water Main, HDPE SDR 11, 10 inch Dia. Open Cut DI	47 Foot	\$125.00	\$5,875.00	\$150.00	\$7,050.00	\$135.00	\$6,345.00
6	Water Main, HDPE SDR 11, 10 inch Dia. Rem/Rep 8inch DI under Walton	85 Foot	\$250.00	\$21,250.00	\$150.00	\$12,750.00	\$135.00	\$11,475.00
7	Water Main, Ductile Iron CL 54, 8 inch Dia. Open Cut AC or DI	7 Foot	\$150.00	\$1,050.00	\$150.00	\$1,050.00	\$135.00	\$945.00
8	Water main, 6/8 inch, Cut/Plug and Abandon	170 Foot	\$10.00	\$1,700.00	\$10.00	\$1,700.00	\$10.00	\$1,700.00
9	Water Service, Short, Lead Reconnect, w/valve & stop box assembly	64 Each	\$1,050.00	\$67,200.00	\$1,200.00	\$76,800.00	\$900.00	\$57,600.00
10	Water Service, Long, Lead Reconnect, w/valve & stop box assembly	78 Each	\$1,650.00	\$128,700.00	\$1,800.00	\$140,400.00	\$1,650.00	\$128,700.00
11	Water Service 1 1/2", Short, Lead Reconnect, w/valve & stop box assembly	1 Each	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,900.00	\$1,900.00
12	Gate Valve & Well, 10 inch Dia.	16 Each	\$7,500.00	\$120,000.00	\$6,000.00	\$96,000.00	\$7,700.00	\$123,200.00
13	Tapping Sleeve Valve & Well, 10 inch Dia. to Ex. 16 inch AC water main	1 Each	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00
14	Gate Valve & Well, Rem 8 inch Dia.	12 Each	\$500.00	\$6,000.00	\$5,500.00	\$66,000.00	\$350.00	\$4,200.00
15	Tapping Sleeve & Well, Rem 8 inch Dia. to 16 inch AC Ex. Water main	1 Each	\$1,000.00	\$1,000.00	\$9,000.00	\$9,000.00	\$350.00	\$350.00
16	Tapping Sleeve & Well, Rem 8 inch Dia. to 8 inch AC Ex. Water main	1 Each	\$500.00	\$500.00	\$7,500.00	\$7,500.00	\$35.00	\$35.00
17	Connect to Existing Water Main	3 Each	\$5,000.00	\$15,000.00	\$500.00	\$1,500.00	\$5,500.00	\$16,500.00
18	Fire Hydrant	18 Each	\$6,500.00	\$117,000.00	\$5,000.00	\$90,000.00	\$7,700.00	\$138,600.00
19	Hydrant, Rem	18 Each	\$350.00	\$6,300.00	\$500.00	\$9,000.00	\$350.00	\$6,300.00
20	Culv, Class A, CSP, 12 inch	20 Foot	\$40.00	\$800.00	\$75.00	\$1,500.00	\$30.00	\$600.00
21	Sump Pump Collection system Repair, 4 inch PVC	60 Foot	\$20.00	\$1,200.00	\$45.00	\$2,700.00	\$18.00	\$1,080.00
21	Pavt, Rem	1,650 Syd	\$3.00	\$4,950.00	\$31.50	\$51,975.00	\$3.00	\$4,950.00
22	Driveway, Nonreinf Conc, 6 inch	400 Syd	\$36.00	\$14,400.00	\$67.50	\$27,000.00	\$45.00	\$18,000.00
23	Conc Pavt, Nonreinf, 8 inch	30 Syd	\$50.00	\$1,500.00	\$67.50	\$2,025.00	\$55.00	\$1,650.00
24	Curb & Gutter, Rem	600 Foot	\$8.00	\$4,800.00	\$7.00	\$4,200.00	\$11.00	\$6,600.00
25	Curb & Gutter, Conc, Det D2, Modified	600 Foot	\$35.00	\$21,000.00	\$30.00	\$18,000.00	\$30.00	\$18,000.00
26	Aggregate Base, CIP, 21AA	650 Ton	\$27.00	\$17,550.00	\$19.17	\$12,460.50	\$28.00	\$18,200.00
27	HMA, 5E3 (PG 64-22)	151 Ton	\$130.00	\$19,630.00	\$265.00	\$40,015.00	\$117.00	\$17,667.00
28	HMA, 4E3 (PG 64-22)	194 Ton	\$125.00	\$24,250.00	\$265.00	\$51,410.00	\$114.00	\$22,116.00
29	HMA, 3E3 (PG 64-22)	275 Ton	\$135.00	\$37,125.00	\$265.00	\$72,875.00	\$115.00	\$31,625.00
30	Hand Patching	10 Ton	\$150.00	\$1,500.00	\$100.00	\$1,000.00	\$125.00	\$1,250.00
31	Pathway Ramp/Landing, Conc, 6-inch	600 Sft	\$8.00	\$4,800.00	\$8.10	\$4,860.00	\$8.00	\$4,800.00

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Water Main Replacement Project  
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32	Detectable Warning Surface	40 Sft	\$50.00	\$2,000.00	\$20.00	\$800.00	\$25.00	\$1,000.00
33	Seeding Mixture, THM w/Mulch, w/ 3 inch Topsoil Surface	500 Syd	\$12.00	\$6,000.00	\$0.75	\$375.00	\$6.00	\$3,000.00
34	Sodding, w/3 inch Topsoil Surface	5,500 Syd	\$14.00	\$77,000.00	\$3.10	\$17,050.00	\$8.00	\$44,000.00
35	Tree, Rem, 6 inch to 18 inch	7 Each	\$345.00	\$2,415.00	\$300.00	\$2,100.00	\$500.00	\$3,500.00
36	Exploratory Excavation for Utility	4 Hr	\$600.00	\$2,400.00	\$325.00	\$1,300.00	\$350.00	\$1,400.00
37	Special Landscape Front Entrance Chalmers and Walton Blvd both sides	1 LS	\$5,000.00	\$5,000.00	\$2,750.00	\$2,750.00	\$6,500.00	\$6,500.00
38	Special Landscape 1953 W Chalmers Drive	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00
39	Soil Erosion Control Measures	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$1,900.00	\$1,900.00
40	Audio & Video Coverage	1 LS	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$2,025.00	\$2,025.00
41	Traffic Maintenance & Control	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000.00	\$30,000.00
42	Mobilization, 5% Max on Items 1 thru 41	1 LS	\$65,000.00	\$65,000.00	\$1,000.00	\$1,000.00	\$99,000.00	\$99,000.00
<b>Total Part B</b>					<b>\$2,041,405.00</b>		<b>\$2,094,315.50</b>	<b>\$2,191,603.00</b>
<b>Total Parts A &amp; B</b>					<b>\$5,140,365.00</b>		<b>\$5,238,732.35</b>	<b>\$5,465,986.00</b>

\* Math error on Total Part B