Hubbell, Roth & Clark, Inc.
555 Hulet Dr.
Bloomfield Hills, MI 48083
(248) 454-6300

Fontana Construction, Inc. 6340 Sims Drive Sterling Heights, MI 48313 (810) 560-9377 Bidigare Contractors, Inc. 939 S. Mill St. Plymouth, MI 48170 (248) 735-1113 Lawrence M. Clark, Inc. 50850 Bemis Belleville, MI 48111 (734) 481-1565

	Item	Quantity Unit	Unit Price	Total Cost						
PH	ASE I (NORTHWEST SECTION - 2018/2019	CONSTRUCTION)								
1.	Mobilization (up to 5%)	1 LS	\$125,000.00	\$125,000.00	\$130,000.00	\$130,000.00	\$180,000.00	\$180,000.00	\$183,321.00	\$183,321.00
2.	Property Protection Fence	3,000 lft	\$5.00	\$15,000.00	\$0.01	\$30.00	\$6.00	\$18,000.00	\$8.00	\$24,000.00
3.	Remove Hydrant	21 ea	\$250.00	\$5,250.00	\$500.00	\$10,500.00	\$300.00	\$6,300.00	\$800.00	\$16,800.00
4.	Remove Gate Valve and Box	22 ea	\$300.00	\$6,600.00	\$400.00	\$8,800.00	\$150.00	\$3,300.00	\$800.00	\$17,600.00
5.	Remove Gate Valve and Well	10 ea	\$400.00	\$4,000.00	\$500.00	\$5,000.00	\$500.00	\$5,000.00	\$1,500.00	\$15,000.00
6.	Water Main, 4", Cut and Cap (as needed)	5 ea	\$250.00	\$1,250.00	\$500.00	\$2,500.00	\$350.00	\$1,750.00	\$500.00	\$2,500.00
7.	Water Main, 6", Cut and Cap	22 ea	\$400.00	\$8,800.00	\$600.00	\$13,200.00	\$300.00	\$6,600.00	\$600.00	\$13,200.00
8.	Sanitary House Lead Repair, 6" (as needed)	150 ea	\$1,000.00	\$150,000.00	\$250.00	\$37,500.00	\$150.00	\$22,500.00	\$1,000.00	\$150,000.00
9.	Water Main, 8" Dia. HDPE, DR 11, Open Cut	712 lft	\$125.00	\$89,000.00	\$110.00	\$78,320.00	\$152.00	\$108,224.00	\$120.00	\$85,440.00
10.	Water Main, 8" Dia. HDPE, DR 11, Pipe Bursting (existing 4" and 6")	11,839 lft	\$95.00	\$1,124,705.00	\$110.00	\$1,302,290.00	\$101.00	\$1,195,739.00	\$120.00	\$1,420,680.00
11.	Water Main, 8" Dia. HDPE, DR 11, Pipe Bursting (existing 8")	1,895 lft	\$90.00	\$170,550.00	\$110.00	\$208,450.00	\$101.00	\$191,395.00	\$100.00	\$189,500.00
12.	Water Main, 8" Dia. HDPE, DR 11, Horizontal Directional Drill	1,380 lft	\$140.00	\$193,200.00	\$120.00	\$165,600.00	\$151.00	\$208,380.00	\$130.00	\$179,400.00
13.	Lake Crossing "A" (see Section 01220)	1 LS	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$1,250.00	\$1,250.00	\$80,000.00	\$80,000.00
14.	Lake Crossing "B" (see Section 01220)	1 LS	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$1,250.00	\$1,250.00	\$80,000.00	\$80,000.00
15.	Lake Crossing "C" (see Section 01220)	1 LS	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$1,250.00	\$1,250.00	\$140,000.00	\$140,000.00
16.	Water Service Leads, Copper, Reconnect (¾" - 1" Dia.) (as needed)	5 ea	\$400.00	\$2,000.00	\$500.00	\$2,500.00	\$603.00	\$3,015.00	\$900.00	\$4,500.00
17.	Water Service Leads, Copper, Reconnect (1½" Dia.) (as needed)	5 ea	\$600.00	\$3,000.00	\$1.00	\$5.00	\$633.00	\$3,165.00	\$1,100.00	\$5,500.00
18.	Water Service Leads, Copper, Reconnect (2" Dia.) (as needed)	5 ea	\$1,000.00	\$5,000.00	\$1.00	\$5.00	\$675.00	\$3,375.00	\$2,500.00	\$12,500.00
19.	Water Service, Short, up to 1"	136 ea	\$800.00	\$108,800.00	\$750.00	\$102,000.00	\$930.00	\$126,480.00	\$700.00	\$95,200.00
20.	Water Service, Short, up to 1½" (as needed)	3 ea	\$900.00	\$2,700.00	\$1.00	\$3.00	\$1,000.00	\$3,000.00	\$900.00	\$2,700.00
21.	Water Service, Short, up to 2" (as needed)	3 ea	\$1,000.00	\$3,000.00	\$1.00	\$3.00	\$1,050.00	\$3,150.00	\$1,500.00	\$4,500.00
22.	Water Service, Long, up to 1", Incl. Bore Under Pavement	126 ea	\$1,000.00	\$126,000.00	\$1,500.00	\$189,000.00	\$2,060.00	\$259,560.00	\$1,800.00	\$226,800.00
23.	Water Service, Long, up to 1½", Incl. Bore Under Pavement (as needed)	3 ea	\$1,200.00	\$3,600.00	\$1.00	\$3.00	\$2,550.00	\$7,650.00	\$1,900.00	\$5,700.00

Lawrence M. Clark, Inc.

		Hubbell, Roth & Clark, Inc. 555 Hulet Dr. Bloomfield Hills, MI 48083 (248) 454-6300		Fontana Construction, Inc. 6340 Sims Drive Sterling Heights, MI 48313 (810) 560-9377		939 S. Mill St. Plymouth, MI 48170 (248) 735-1113		Lawrence M. Clark, Inc. 50850 Bemis Belleville, MI 48111 (734) 481-1565	
Item	Quantity Unit	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
24. Water Service, Long, up to 2", Incl. Bore Under Pavement (as needed)	3 ea	\$1,500.00	\$4,500.00	\$1.00	\$3.00	\$2,550.00	\$7,650.00	\$2,200.00	\$6,600.00
25. Water Service Curb Box (up to 1" Dia.)	262 ea	\$240.00	\$62,880.00	\$250.00	\$65,500.00	\$1,000.00	\$262,000.00	\$700.00	\$183,400.00
26. Water Service Curb Box (1½" Dia.) (as needed)	6 ea	\$260.00	\$1,560.00	\$1.00	\$6.00	\$625.00	\$3,750.00	\$900.00	\$5,400.00
27. Water Service Curb Box (2" Dia.) (as needed)	6 ea	\$300.00	\$1,800.00	\$1.00	\$6.00	\$625.00	\$3,750.00	\$1,000.00	\$6,000.00
28. 8" Gate Valve and Box (as needed)	5 ea	\$2,500.00	\$12,500.00	\$2,110.00	\$10,550.00	\$1,600.00	\$8,000.00	\$1,500.00	\$7,500.00
29. 8" Gate Valve & Well	49 ea	\$4,800.00	\$235,200.00	\$5,000.00	\$245,000.00	\$6,150.00	\$301,350.00	\$4,500.00	\$220,500.00
30. Temporary Water Stop, 8" Dia. or smaller (as needed)	5 ea	\$1,750.00	\$8,750.00	\$1.00	\$5.00	\$10.00	\$50.00	\$5,000.00	\$25,000.00
31. Concrete Anchor (as needed)	10 ea	\$250.00	\$2,500.00	\$100.00	\$1,000.00	\$1,150.00	\$11,500.00	\$5,000.00	\$50,000.00
32. Water Main Connection, 8" Dia.	23 ea	\$550.00	\$12,650.00	\$3,500.00	\$80,500.00	\$3,700.00	\$85,100.00	\$2,500.00	\$57,500.00
33. Water Main Connection, 12" Dia. (as needed)	2 ea	\$1,000.00	\$2,000.00	\$3,500.00	\$7,000.00	\$4,750.00	\$9,500.00	\$4,000.00	\$8,000.00
34. 8" x 8" Tapping Sleeve, 8" Gate Valve and Well (as needed)	2 ea	\$3,000.00	\$6,000.00	\$1.00	\$2.00	\$9,000.00	\$18,000.00	\$7,000.00	\$14,000.00
35. 12" x 8" Tapping Sleeve, 8" Gate Valve and Well	1 ea	\$7,000.00	\$7,000.00	\$1.00	\$1.00	\$10,500.00	\$10,500.00	\$9,000.00	\$9,000.00
36. Hydrant and Valve Assembly (EJIW, 5BR250)	26 ea	\$4,100.00	\$106,600.00	\$5,100.00	\$132,600.00	\$5,500.00	\$143,000.00	\$6,000.00	\$156,000.00
37. Restoration (includes lawn [3" Topsoil, Seed, Mulch and Sod], 21AA Aggregate Base, Pavement, Driveway, Sidewalk, Sidewalk Ramp, and Curb Removal and Replacement in Water Main Construction Areas - See Section 01220)	1 LS	\$80,000.00	\$80,000.00	\$275,000.00	\$275,000.00	\$395,000.00	\$395,000.00	\$30,000.00	\$30,000.00
38. Exploratory Excavation and Utility Locating	1 LS	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$13,000.00	\$13,000.00	\$25,000.00	\$25,000.00
39. Trench Undercut and Backfill	200 cyd	\$40.00	\$8,000.00	\$1.00	\$200.00	\$1.00	\$200.00	\$30.00	\$6,000.00
40. Dewatering	1 LS	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
41. Color Audio-Video Route Survey	1 LS	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
42. Traffic Maintenance (includes Flag Control)	1 LS	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$90,000.00	\$90,000.00	\$20,000.00	\$20,000.00
43. Soil Erosion and Sedimentation Control	1 LS	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00
44. Permit Fee Allowance	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
45. Contractor Down Time	50 hr	\$500.00	\$25,000.00	\$1.00	\$50.00	\$500.00	\$25,000.00	\$500.00	\$25,000.00

Fontana Construction, Inc.

Bidigare Contractors, Inc.

\$3,767,684.00

Hubbell, Roth & Clark, Inc.

\$3,849,741.00

\$3,296,132.00

\$2,919,395.00

Sub Total Phase I

Hubbell, Roth & Clark, Inc.
555 Hulet Dr.
Bloomfield Hills, MI 48083
(248) 454-6300

Fontana Construction, Inc. 6340 Sims Drive Sterling Heights, MI 48313 (810) 560-9377 Bidigare Contractors, Inc. 939 S. Mill St. Plymouth, MI 48170 (248) 735-1113 Lawrence M. Clark, Inc. 50850 Bemis Belleville, MI 48111 (734) 481-1565

Item	Quantity Unit	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
PHASE II (SOUTHWEST SECTION - 201	19 CONSTRUCTION)								
1. Mobilization (up to 5%)	1 LS	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$50,000.00	\$50,000.00	\$115,382.00	\$115,382.00
2. Property Protection Fence	2,000 lft	\$5.00	\$10,000.00	\$0.01	\$20.00	\$6.50	\$13,000.00	\$8.00	\$16,000.00
3. Remove Hydrant	13 ea	\$250.00	\$3,250.00	\$500.00	\$6,500.00	\$300.00	\$3,900.00	\$800.00	\$10,400.00
4. Remove Gate Valve and Box	10 ea	\$300.00	\$3,000.00	\$400.00	\$4,000.00	\$150.00	\$1,500.00	\$1,500.00	\$15,000.00
5. Remove Gate Valve and Well (as needed)	5 ea	\$400.00	\$2,000.00	\$500.00	\$2,500.00	\$500.00	\$2,500.00	\$1,500.00	\$7,500.00
6. Water Main, 4", Cut and Cap (as needed)	5 ea	\$250.00	\$1,250.00	\$500.00	\$2,500.00	\$350.00	\$1,750.00	\$500.00	\$2,500.00
7. Water Main, 6", Cut and Cap (as needed)	5 ea	\$400.00	\$2,000.00	\$500.00	\$2,500.00	\$300.00	\$1,500.00	\$600.00	\$3,000.00
8. Sanitary House Lead Repair, 6" (as needed)	75 ea	\$1,000.00	\$75,000.00	\$250.00	\$18,750.00	\$150.00	\$11,250.00	\$1,000.00	\$75,000.00
9. Water Main, 8" Dia. HDPE, Open Cut	16 lft	\$125.00	\$2,000.00	\$100.00	\$1,600.00	\$150.00	\$2,400.00	\$120.00	\$1,920.00
10. Water Main, 8" Dia. HDPE, Pipe Bursting (existing 4" and 6")	5,761 lft	\$95.00	\$547,295.00	\$100.00	\$576,100.00	\$101.00	\$581,861.00	\$120.00	\$691,320.00
11. Water Main, 8" Dia. HDPE, Pipe Bursting (existing 8")	4,368 lft	\$90.00	\$393,120.00	\$100.00	\$436,800.00	\$101.00	\$441,168.00	\$100.00	\$436,800.00
12. Water Service Leads, Copper, Reconnect (¾' 1" Dia.) (as needed)	' _ 5 ea	\$400.00	\$2,000.00	\$500.00	\$2,500.00	\$600.00	\$3,000.00	\$700.00	\$3,500.00
13. Water Service Leads, Copper, Reconnect (11/Dia.) (as needed)	5 ea	\$600.00	\$3,000.00	\$1.00	\$5.00	\$630.00	\$3,150.00	\$900.00	\$4,500.00
<ol> <li>Water Service Leads, Copper, Reconnect (2" Dia.) (as needed)</li> </ol>	5 ea	\$1,000.00	\$5,000.00	\$1.00	\$5.00	\$675.00	\$3,375.00	\$1,500.00	\$7,500.00
15. Water Service, Short, up to 1"	78 ea	\$800.00	\$62,400.00	\$900.00	\$70,200.00	\$900.00	\$70,200.00	\$900.00	\$70,200.00
16. Water Service, Short, up to 1½" (as needed)	3 ea	\$900.00	\$2,700.00	\$1.00	\$3.00	\$1,000.00	\$3,000.00	\$1,100.00	\$3,300.00
17. Water Service, Short, up to 2" (as needed)	3 ea	\$1,000.00	\$3,000.00	\$1.00	\$3.00	\$1,050.00	\$3,150.00	\$2,000.00	\$6,000.00
18. Water Service, Long, up to 1", Incl. Bore Un Pavement	der 79 ea	\$1,000.00	\$79,000.00	\$1,500.00	\$118,500.00	\$1,700.00	\$134,300.00	\$1,800.00	\$142,200.00
19. Water Service, Long, up to 1½", Incl. Bore Under Pavement (as needed)	3 ea	\$1,200.00	\$3,600.00	\$1.00	\$3.00	\$2,550.00	\$7,650.00	\$1,900.00	\$5,700.00
<ol> <li>Water Service, Long, up to 2", Incl. Bore Un Pavement (as needed)</li> </ol>	der 3 ea	\$1,500.00	\$4,500.00	\$1.00	\$3.00	\$2,550.00	\$7,650.00	\$2,200.00	\$6,600.00
21. Water Service Curb Box (up to 1" Dia.)	157 ea	\$240.00	\$37,680.00	\$250.00	\$39,250.00	\$1,000.00	\$157,000.00	\$700.00	\$109,900.00
22. Water Service Curb Box (1½" Dia.) (as need	ed) 6 ea	\$260.00	\$1,560.00	\$1.00	\$6.00	\$650.00	\$3,900.00	\$900.00	\$5,400.00
23. Water Service Curb Box (2" Dia.) (as needed	6 ea	\$300.00	\$1,800.00	\$1.00	\$6.00	\$650.00	\$3,900.00	\$1,000.00	\$6,000.00

Lawrence M. Clark, Inc.

			555 Hulet Dr. Bloomfield Hills, MI 48083 (248) 454-6300		6340 Sims Drive Sterling Heights, MI 48313 (810) 560-9377		939 S. Mill St. Plymouth, MI 48170 (248) 735-1113		50850 Bemis Belleville, MI 48111 (734) 481-1565	
	Item	Quantity Unit	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
24	. 8" Gate Valve and Box (as needed)	3 ea	\$2,500.00	\$7,500.00	\$2,310.00	\$6,930.00	\$1,600.00	\$4,800.00	\$1,500.00	\$4,500.00
	. 8" Gate Valve and Well	22 ea	\$4,800.00	\$105,600.00	\$4,810.00	\$105,820.00	\$6,150.00	\$135,300.00	\$4,500.00	\$99,000.00
26	Temporary Water Stop, 8" Dia. or smaller (as needed)	5 ea	\$1,750.00	\$8,750.00	\$1.00	\$5.00	\$10.00	\$50.00	\$5,000.00	\$25,000.00
27	. Concrete Anchor (as needed)	5 ea	\$250.00	\$1,250.00	\$100.00	\$500.00	\$1,150.00	\$5,750.00	\$5,000.00	\$25,000.00
28	. Water Main Connection, 8" Dia.	9 ea	\$550.00	\$4,950.00	\$3,000.00	\$27,000.00	\$3,700.00	\$33,300.00	\$2,500.00	\$22,500.00
29	Water Main Connection, 12" Dia. (as needed)	2 ea	\$1,000.00	\$2,000.00	\$3,000.00	\$6,000.00	\$4,750.00	\$9,500.00	\$4,000.00	\$8,000.00
30	8" x 8" Tapping Sleeve, 8" Gate Valve and Well (as needed)	2 ea	\$3,000.00	\$6,000.00	\$1.00	\$2.00	\$9,000.00	\$18,000.00	\$7,000.00	\$14,000.00
31	12" x 8" Tapping Sleeve, 8" Gate Valve and Well (as needed)	2 ea	\$7,000.00	\$14,000.00	\$1.00	\$2.00	\$10,500.00	\$21,000.00	\$9,000.00	\$18,000.00
32	. Hydrant and Valve Assembly (EJIW, 5BR250)	18 ea	\$4,100.00	\$73,800.00	\$5,100.00	\$91,800.00	\$5,500.00	\$99,000.00	\$6,000.00	\$108,000.00
33	Restoration (includes lawn [3" Topsoil, Seed, Mulch and Sod], 21AA Aggregate Base, Pavement, Driveway, Sidewalk, Sidewalk Ramp, and Curb Removal and Replacement in Water Main Construction Areas - See Section 01220)	1 LS	\$40,000.00	\$40,000.00	\$120,000.00	\$120,000.00	\$65,000.00	\$65,000.00	\$40,000.00	\$40,000.00
34	HMA, Cold Milling (2") - <u>Heights Road</u> (see Section 01220 for details)	5,000 syd	\$3.00	\$15,000.00	\$2.75	\$13,750.00	\$5.00	\$25,000.00	\$5.00	\$25,000.00
35	Base Repair, Type I, if needed - <u>Heights Road</u> (see Section 01220 for details)	1,000 syd	\$50.00	\$50,000.00	\$18.00	\$18,000.00	\$27.00	\$27,000.00	\$30.00	\$30,000.00
36	HMA, 3C, MOD (Leveling/Base - 2.5") - <u>Heights Road</u> (see Section 01220 for details)	1,000 syd	\$25.00	\$25,000.00	\$18.50	\$18,500.00	\$26.25	\$26,250.00	\$30.00	\$30,000.00
37	HMA, 13A, MOD (Wearing - 2") - <u>Heights</u> Road (see Section 01220 for details)	5,000 syd	\$20.00	\$100,000.00	\$12.00	\$60,000.00	\$12.60	\$63,000.00	\$20.00	\$100,000.00
38	. Exploratory Excavation and Utility Locating	1 LS	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00
39	. Trench Undercut and Backfill	30 cyd	\$40.00	\$1,200.00	\$1.00	\$30.00	\$1.00	\$30.00	\$30.00	\$900.00
40	. Dewatering	1 LS	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
41	. Color Audio-Video Route Survey	1 LS	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00
42	. Traffic Maintenance (includes Flag Control)	1 LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$6,000.00	\$6,000.00	\$25,000.00	\$25,000.00
43	. Soil Erosion and Sedimentation Control	1 LS	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$6,000.00	\$6,000.00	\$25,000.00	\$25,000.00
44	. Permit Fee Allowance	1 LS	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00

Fontana Construction, Inc.

Bidigare Contractors, Inc.

Hubbell, Roth & Clark, Inc.



\$25,000.00

\$2,423,022.00

\$500.00

\$1.00

\$50.00

\$1,884,643.00

\$350.00

\$17,500.00

\$2,095,085.00

\$25,000.00

\$1,880,705.00

45. Contractor Down Time

Sub Total Phase II

50 hr

\$500.00

Bids Due: 04/23/2018	3
HRC Job # 20170363 03	7

			Hubbell, Roth & Clark, Inc. 555 Hulet Dr. Bloomfield Hills, MI 48083 (248) 454-6300		Fontana Construction, Inc. 6340 Sims Drive Sterling Heights, MI 48313 (810) 560-9377		Bidigare Contractors, Inc. 939 S. Mill St. Plymouth, MI 48170 (248) 735-1113		Lawrence M. Clark, Inc. 50850 Bemis Belleville, MI 48111 (734) 481-1565	
	Item	Quantity Unit	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
	BID SUMMARY									
	Sub Total Phase I			\$2,919,395.00		\$3,296,132.00		\$3,767,684.00		\$3,849,741.00
	Sub Total Phase II			\$1,880,705.00		\$1,884,643.00		\$2,095,085.00		\$2,423,022.00
	TOTAL BID AMOUNT (PHASE I & II)			\$4,800,100.00		\$5,180,775.00		\$5,862,769.00		\$6,272,763.00
	TOTAL BID SUMMARY			PHASE I		PHASE II		TOTAL		
	HRC (Engineer's Estimate)			\$2,919,395.00		\$1,880,705.00		\$4,800,100.00		
1.	Fontana Construction, Inc.			\$3,296,132.00		\$1,884,643.00		\$5,180,775.00		
2.	Bidigare Contractors, Inc.			\$3,767,684.00		\$2,095,085.00		\$5,862,769.00		
3.	Lawrence M. Clarke, Inc.			\$3,849,741.00		\$2,423,022.00		\$6,272,763.00		
4.	D.V.M. Utilities, Inc.			\$4,071,793.00		\$2,426,925.50		\$6,498,718.50		
5.	Pamar Enterprises, Inc.			\$5,982,986.00		\$3,514,985.30		\$9,497,971.30		

ENGINEER:

Hubbell, Roth & Clark, Inc.

555 Hulet Drive

P.O. Box 824

Bloomfield Hills, MI 48083-0824