

Project Name: 2017 Annual Water Main Replacement Project,
Garman Park & Turner Subdivision
Project Number: 2017-10

Bid Date: Tuesday, February 21, 2017

Time: 10:00 A.M.

Fund: Water Non-Lake Capital

Organization Code: 81808118

Object Code: 488800

Engineer's Estimate

City Engineering Division

Burdick Plumbing &
Heating Company, Inc.
1175 N 20th St
Decatur, IL 62521

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Richard W Walker, Pres
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Robert J Kilbridy, VP
Max P Hoerr II, Pres.

info@hoerr.com

Item No.	Pay Item	QTY	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	6 INCH POLYWRAPPED D.I.P. WATER MAIN	500	FEET	\$30.00	\$15,000.00	\$32.00	\$16,000.00	\$80.76	\$40,380.00	\$80.00	\$40,000.00
2	8 INCH POLYWRAPPED D.I.P. WATER MAIN	11,300	FEET	\$40.00	\$452,000.00	\$38.00	\$429,400.00	\$86.48	\$977,224.00	\$85.00	\$960,500.00
3	10 INCH X 8 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	5	EACH	\$4,500.00	\$22,500.00	\$7,000.00	\$35,000.00	\$5,041.74	\$25,208.70	\$6,800.00	\$34,000.00
4	8 INCH VALVE, MJ WITH VALVE BOX	14	EACH	\$2,000.00	\$28,000.00	\$5,500.00	\$77,000.00	\$1,220.68	\$17,089.52	\$1,400.00	\$19,600.00
5	8 INCH 45 DEGREE BENDS, MJ	24	EACH	\$400.00	\$9,600.00	\$400.00	\$9,600.00	\$296.41	\$7,113.84	\$400.00	\$9,600.00
6	8 INCH X 8 INCH CROSS, MJ	1	EACH	\$400.00	\$400.00	\$800.00	\$800.00	\$424.90	\$424.90	\$450.00	\$450.00
7	8 INCH X 8 INCH TEE, MJ	14	EACH	\$400.00	\$5,600.00	\$700.00	\$9,800.00	\$358.24	\$5,015.36	\$450.00	\$6,300.00
8	8 INCH GRIP RING ACCESSORY KITS	190	EACH	\$200.00	\$38,000.00	\$200.00	\$38,000.00	\$86.00	\$16,340.00	\$75.00	\$14,250.00
9	8 INCH FIELDLOCK GASKETS	16	EACH	\$200.00	\$3,200.00	\$150.00	\$2,400.00	\$114.55	\$1,832.80	\$150.00	\$2,400.00
10	8 INCH SLEEVES, MJ	4	EACH	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$315.88	\$1,263.52	\$400.00	\$1,600.00
11	8 INCH X 6 INCH REDUCER, MJ	4	EACH	\$500.00	\$2,000.00	\$700.00	\$2,800.00	\$281.53	\$1,126.12	\$350.00	\$1,400.00
12	8 INCH X 6 INCH TEE, MJ	24	EACH	\$500.00	\$12,000.00	\$700.00	\$16,800.00	\$335.34	\$8,048.16	\$400.00	\$9,600.00
13	8 INCH CAP/PLUG, MJ	4	EACH	\$200.00	\$800.00	\$300.00	\$1,200.00	\$153.93	\$615.72	\$350.00	\$1,400.00
14	6 INCH VALVE, MJ WITH VALVE BOX	24	EACH	\$1,500.00	\$36,000.00	\$1,800.00	\$43,200.00	\$859.75	\$20,634.00	\$1,000.00	\$24,000.00
15	6 INCH GRIP RING ACCESSORY KITS	80	EACH	\$150.00	\$12,000.00	\$100.00	\$8,000.00	\$68.83	\$5,506.40	\$50.00	\$4,000.00
16	6 INCH CAP/PLUG, MJ	3	EACH	\$200.00	\$600.00	\$200.00	\$600.00	\$140.19	\$420.57	\$300.00	\$900.00
17	6 INCH SLEEVE, MJ	3	EACH	\$200.00	\$600.00	\$300.00	\$900.00	\$229.75	\$689.25	\$350.00	\$1,050.00
18	FIRE HYDRANT, 4.6' BURY	4	EACH	\$3,500.00	\$14,000.00	\$5,000.00	\$20,000.00	\$3,722.12	\$14,888.48	\$3,600.00	\$14,400.00
19	FIRE HYDRANT, 5.6' BURY	20	EACH	\$4,500.00	\$90,000.00	\$5,250.00	\$105,000.00	\$3,836.62	\$76,732.40	\$3,800.00	\$76,000.00
20	6 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$500.00	\$500.00	\$450.00	\$450.00	\$1,040.05	\$1,040.05	\$800.00	\$800.00
21	12 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$750.00	\$750.00	\$550.00	\$550.00	\$1,114.48	\$1,114.48	\$880.00	\$880.00
22	18 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$1,000.00	\$1,000.00	\$650.00	\$650.00	\$1,183.18	\$1,183.18	\$960.00	\$960.00
23	24 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$1,251.88	\$1,251.88	\$1,030.00	\$1,030.00
24	30 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$1,000.00	\$1,000.00	\$850.00	\$850.00	\$1,520.95	\$1,520.95	\$1,325.00	\$1,325.00
25	36 INCH FIRE HYDRANT LIFT KIT (AS NEEDED)	1	EACH	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,612.55	\$1,612.55	\$1,425.00	\$1,425.00
26	1 INCH X 10 FT WATER SERVICE (SHORT) W/CURB STOP AND CORP, TYPE II	82	EACH	\$1,500.00	\$123,000.00	\$1,400.00	\$114,800.00	\$1,689.90	\$138,571.80	\$1,700.00	\$139,400.00

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Item No.	Pay Item	QTY	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
27	1 INCH X 50 FT WATER SERVICE (LONG) W/CURB STOP AND CORP, BORED, TYPE II	75	EACH	\$2,000.00	\$150,000.00	\$2,500.00	\$187,500.00	\$2,889.33	\$216,699.75	\$3,520.00	\$264,000.00
28	REMOVE FIRE HYDRANT AND ABANDON EXISTING VALVE	18	EACH	\$750.00	\$13,500.00	\$1,300.00	\$23,400.00	\$715.76	\$12,883.68	\$1,050.00	\$18,900.00
29	ABANDON EXISTING VALVE	12	EACH	\$500.00	\$6,000.00	\$800.00	\$9,600.00	\$596.47	\$7,157.64	\$525.00	\$6,300.00
30	CUT AND CAP/PLUG EXISTING VALVE	10	EACH	\$1,000.00	\$10,000.00	\$1,000.00	\$10,000.00	\$1,789.40	\$17,894.00	\$1,200.00	\$12,000.00
31	TRENCH BACKFILL	17,500	TONS	\$20.00	\$350,000.00	\$30.00	\$525,000.00	\$19.14	\$334,950.00	\$26.00	\$455,000.00
32	PAVEMENT SAW CUTS	13,300	FEET	\$5.00	\$66,500.00	\$3.50	\$46,550.00	\$1.45	\$19,285.00	\$1.25	\$16,625.00
33	PAVEMENT REMOVAL	4,000	SQ YD	\$15.00	\$60,000.00	\$10.00	\$40,000.00	\$0.73	\$2,920.00	\$5.00	\$20,000.00
34	CLASS D PATCHES, 5 INCH	4,000	SQ YD	\$100.00	\$400,000.00	\$69.00	\$276,000.00	\$113.18	\$452,720.00	\$83.00	\$332,000.00
35	CLASS B PATCHES, 8 INCH	100	SQ YD	\$150.00	\$15,000.00	\$90.00	\$9,000.00	\$108.06	\$10,806.00	\$190.00	\$19,000.00
36	GRADING & SHAPING DITCHES	11,000	FEET	\$3.00	\$33,000.00	\$6.00	\$66,000.00	\$8.20	\$90,200.00	\$3.50	\$38,500.00
37	SEEDING, CLASS 1 (LAWN MIXTURE)	2	ACRE	\$4,000.00	\$8,000.00	\$5,200.00	\$10,400.00	\$8,015.01	\$16,030.02	\$6,500.00	\$13,000.00
38	NITROGEN FERTILIZER NUTRIENT	200	LB	\$2.50	\$500.00	\$2.50	\$500.00	\$4.59	\$918.00	\$3.30	\$660.00
39	PHOSPHORUS FERTILIZER NUTRIENT	200	LB	\$2.50	\$500.00	\$2.50	\$500.00	\$4.59	\$918.00	\$3.30	\$660.00
40	POTASSIUM FERTILIZER NUTRIENT	200	LB	\$2.50	\$500.00	\$2.50	\$500.00	\$4.59	\$918.00	\$3.30	\$660.00
41	MULCH, METHOD 2	2	ACRE	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00	\$2,290.01	\$4,580.02	\$6,500.00	\$13,000.00
42	EXPLORATION EXCAVATIONS	10	EACH	\$500.00	\$5,000.00	\$1,000.00	\$10,000.00	\$155.49	\$1,554.90	\$670.00	\$6,700.00
43	TRAFFIC CONTROL	1	LSUM	\$8,000.00	\$8,000.00	\$20,000.00	\$20,000.00	\$5,725.01	\$5,725.01	\$6,250.00	\$6,250.00
44	MOBILIZATION	1	LSUM	\$7,500.00	\$7,500.00	\$18,000.00	\$18,000.00	\$9,160.01	\$9,160.01	\$40,000.00	\$40,000.00
45	ALTERATIONS, CANCELLATIONS, EXTENSIONS, DEDUCTIONS AND EXTRA WORK	1	LSUM	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
46	12 INCH CASINGS (AS NEEDED)	200	FEET	\$100.00	\$20,000.00	\$66.00	\$13,200.00	\$39.71	\$7,942.00	\$120.00	\$24,000.00
47	8 INCH LINE STOP	1	EACH	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$6,500.00	\$6,500.00	\$7,800.00	\$7,800.00

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ALTERNATE BID

A-1	16 INCH POLYWRAPPED D.I.P. WATER MAIN	20	FEET	\$80.00	\$1,600.00	\$70.00	\$1,400.00	\$158.12	\$3,162.40	\$675.00	\$13,500.00
A-2	16 INCH SLEEVES, MJ	2	EACH	\$500.00	\$1,000.00	\$800.00	\$1,600.00	\$1,396.18	\$2,792.36	\$600.00	\$1,200.00
A-3	16 INCH GRIP RING ACCESSORY KITS	6	EACH	\$500.00	\$3,000.00	\$600.00	\$3,600.00	\$150.00	\$900.00	\$250.00	\$1,500.00
A-4	16 INCH MUELLER RESILIENT WEDGE SIDE OPERATOR VALVE, NO BY-PASS, MJ, W/VALVE BOX	1	EACH	\$10,000.00	\$10,000.00	\$15,800.00	\$15,800.00	\$23,712.05	\$23,712.05	\$8,100.00	\$8,100.00
A-5	TRENCH BACKFILL	75	TONS	\$20.00	\$1,500.00	\$30.00	\$2,250.00	\$13.75	\$1,031.25	\$26.00	\$1,950.00
A-6	AREA RESTORATION	75	SQ YD	\$5.00	\$375.00	\$12.00	\$900.00	\$11.50	\$862.50	\$30.00	\$2,250.00
A-7	SEEDING, CLASS 1 (LAWN MIXTURE)	0.1	ACRE	\$4,000.00	\$400.00	\$5,520.00	\$552.00	\$8,050.00	\$805.00	\$6,500.00	\$650.00
A-8	MULCH, METHOD 2	0.1	ACRE	\$2,000.00	\$200.00	\$1,800.00	\$180.00	\$2,300.00	\$230.00	\$6,500.00	\$650.00
A-9	NITROGEN FERTILIZER NUTRIENT	5	LB	\$5.00	\$25.00	\$3.00	\$15.00	\$4.60	\$23.00	\$4.00	\$20.00
A-10	PHOSPHORUS FERTILIZER NUTRIENT	5	LB	\$5.00	\$25.00	\$3.00	\$15.00	\$4.60	\$23.00	\$4.00	\$20.00
A-11	POTASSIUM FERTILIZER NUTRIENT	5	LB	\$5.00	\$25.00	\$3.00	\$15.00	\$4.60	\$23.00	\$4.00	\$20.00
A-12	REMOVE/REPLACE FENCE	1	EACH	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$575.00	\$575.00	\$2,500.00	\$2,500.00
A-13	EXPLORATION EXCAVATIONS	5	EACH	\$500.00	\$2,500.00	\$800.00	\$4,000.00	\$310.96	\$1,554.80	\$500.00	\$2,500.00
	TOTAL BASE BIDS (AS CORRECTED)				\$2,110,550.00		\$2,292,700.00		\$2,661,610.66		\$2,737,325.00
	Percent Over Under ENGINEER'S ESTIMATE						8.63%		26.11%		29.70%
	TOTAL ALTERNATE BIDS (AS CORRECTED)				\$22,150.00		\$30,927.00		\$35,694.36		\$34,860.00
	Percent Over Under ENGINEER'S ESTIMATE						39.63%		61.15%		57.38%
	TOTAL BASE BIDS + ALTERNATE BIDS (AS CORRECTED)				\$2,132,700.00		\$2,323,627.00		\$2,697,305.02		\$2,772,185.00
	Percent Over Under ENGINEER'S ESTIMATE						8.95%		26.47%		29.98%


 Matthew C. Newell, P.E., City Engineer

2-22-17
 Date