

March 24, 2025 RE: Baxter, Minnesota

2025 Water Supply Improvements - Wells 5 & 6

Contract B - Raw Water Main & Electrical Improvements

SEH No. BAXTE 181112 14.00

Honorable Mayor, Members of City Council, and Members of Utility Commission City of Baxter 13190 Memorywood Drive Baxter, MN 56425

Dear Mayor, City Council, and Utility Commission:

Bids were opened at City Hall at 2:00 p.m. on March 18, 2025, for the above-referenced improvement. A total of three (3) bids were received ranging between \$1,124,854.10 and \$1,356,577.55. The low grand total bid was submitted by Pratt's Affordable Excavating, Inc. of Merrifield, Minnesota in the amount of \$1,124,854.10. The bids are summarized below, and a complete tabulation of bids is enclosed.

Bid Section	Engineer's Opinion	Pratt's Affordable	C&L Excavating,	J.R. Ferche,		
	of Probable Cost	Excavating	Inc.	Inc.		
Total Base Bid	\$1,345,047.50	\$1,049,385.10	\$1,103,256.00	\$1,270.990.35		
Allowance	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00		
Total Alternate 1	(\$50,000.00)	(\$40,000.00)	(\$40,000.00)	(\$35,200.00)		
Total Alternate 2	\$109,357.50	\$100,469.00	\$100,586.25	\$105,787.20		
<b>Grand Total Bid</b>	\$1,419,405.00	\$1,124,854.10	\$1,178,842.25	\$1,356,577.55		

### **DISCUSSION OF ALTERNATES**

The bid form was divided into a Total Base Bid element, an allowance for adjustments to the site irrigation system that will be necessary, and two (2) alternates.

### Alternate 1 – Butterfly Valves

Alternate 1 replaces the 20" gate valves included in the base bid with 20" butterfly valves. The alternate was included to allow the City the opportunity to use cost as a metric by which to evaluate the use of either style valve. The credit offered by the low bidder for Alternate 1 is \$40,000.00.

The resilient seat and wedge of a gate valve and the mechanical advantage of the stem system provide for a more positive seal, especially if there is a possibility of the sealing area being fouled up (by iron and manganese deposits from well water). Butterfly valves are compact and lightweight when compared to gate valves, so they are typically less expensive. They are commonly used in water treatment plants and buried applications, but in SEH's experience they do not seal as well as a gate valves in fouling conditions. However, exercising butterfly valves can help to keep the disc and seat clean to ensure a positive seal. Should the City decide to accept Alternate 1, it is recommended that the valves be exercised a minimum of twice per year. The AWWA generally recommends exercising buried valves once per year in water distribution systems but since the valves are being installed on the untreated well pipeline, SEH recommends exercising the valve to clean the disc and seat more often.

# Alternate 2 - Paving in Parking Area

Alternate 2 adds mill and overlay paving in the water treatment plant and public works facility parking area to the project. This work is unbudgeted for 2025, but it is included in the asset management plan for the facility in 2027. Further, the pedestrian ramp at the entrance to the water treatment plant is not ADA-compliant and needs to be replaced. Alternate 2 includes replacement of the pedestrian ramp. If awarded, the cost of the work would be split between five (5) City divisions: parks, streets, stormwater, water, and sanitary sewer.

The cost for Alternate 2 is \$100,469.00, which is favorable in comparison to SEH's opinion of probable cost of \$109,357.50.

#### DISUCSSION OF PROJECT AWARD

SEH does not know of a reason the project should not be awarded to Pratt's Affordable Excavating Inc. as they appear to be the lowest responsive, responsible bidder. SEH and City staff recommend accepting the Base Bid and Allowance, as well as Alternates 1 and 2. Accordingly, if the City wishes to award this project to the low bidder, the project should be awarded, with recommended alternates, to Pratt's Affordable Excavating Inc.in the amount of \$1,124,854.10.

Please contact me if you have any questions.

Sincerely,

Kevin Young, PE Project Manager

(Lic. MN, VA)

mrb

Enclosure

c: Trevor Walter, City of Baxter Trevor Thompson, City of Baxter Neil Heinonen, SEH Scott Hedlund. SEH

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# **TABULATION OF BIDS**

SEH NO.: BAXTE 181112

NAME: 2025 WATER SUPPLY IMPROVEMENTS - WELLS 5 & 6: CONTRACT B - RAW WATER MAIN & ELECTRICAL IMPROVEMENTS

OWNER: CITY OF BAXTER, MINNESOTA

BID DATE: 2:00 P.M., TUESDAY, MARCH 18, 2025

_					SESTIMATE		TT'S	2 C&L EXCAVATING		3 J.R. FERCHE	
TEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL	UNIT COST TOTAL		UNIT COST TOTAL		UNIT COST TOTAL	
BASE 1	EBID MOBILIZATION	LUMP SUM	1.00	\$65,000.00	\$65,000,00	\$130,000.00	\$130,000.00	\$85,000.00	\$85,000.00	\$50,000.00	\$50,000.0
2	REMOVE BITUMINOUS PAVEMENT	SQ YD	4020.00	\$5.50	\$22,110.00	\$4.00	\$16,080.00	\$2.25	\$9.045.00	\$2.88	\$11,577.6
3	REMOVE DRANAGE STRUCTURE	EACH	1.00	\$750.00	\$750.00	\$500.00	\$500.00	\$500.00	\$500.00	\$600.00	\$600.0
4											
	REMOVE STORM SEWER PIPE (PVC)	LIN FT	134.00	\$20.00	\$2,680.00	\$10.00	\$1,340.00	\$15.00	\$2,010.00	\$25.00	\$3,350.0
5	REMOVE WATERMAIN (ANY SIZE)	LIN FT	30.00	\$30.00	\$900.00	\$100.00	\$3,000.00	\$20.00	\$600.00	\$40.00	\$1,200.0
6	REMOVE CHAIN LINK FENCE	LIN FT	40.00	\$75.00	\$3,000.00	\$10.00	\$400.00	\$22.00	\$880.00	\$15.00	\$600.0
7	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	110.00	\$10.00	\$1,100.00	\$6.00	\$660.00	\$3.00	\$330.00	\$4.00	\$440.0
8	SALVAGE AND REINSTALL CHAINLINK GATE	EACH	1.00	\$2,500.00	\$2,500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$450.00	\$450.0
9	SALVAGE AND REINSTALL SWING GATE ARM	EACH	3.00	\$200.00	\$600.00	\$200.00	\$600.00	\$100.00	\$300.00	\$150.00	\$450.0
10	SALVAGE AND REINSTALL SWING GATE POST	EACH	2.00	\$500.00	\$1,000.00	\$300.00	\$600.00	\$300.00	\$600.00	\$350.00	\$700.0
11	SALVAGE AND REINSTALL SIGN	EACH	1.00	\$100.00	\$100.00	\$100.00	\$100.00	\$250.00	\$250.00	\$1,650.00	\$1,650.0
12	SALVAGE AND REINSTALL RIP RAP	LUMP SUM	1.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$1,200.00	\$1,200.0
13	15" METAL APRON	EACH	1.00	\$500.00	\$500.00	\$450.00	\$450.00	\$500.00	\$500.00	\$550.00	\$550.0
14	CONSTRUCTION WATER	PER 1000 GAI	30.00	\$50.00	\$1,500.00	\$1.00	\$30.00	\$75.00	\$2,250.00	\$20.00	\$600.0
15	COMMON EXCAVATION (P)	CU YD	720.00	\$25.00	\$18,000.00	\$15.00	\$10,800.00	\$10.00	\$7,200.00	\$33.00	\$23,760.0
16	COMMON EMBANKMENT (P)	CU YD	690.00	\$20.00	\$13,800.00	\$15.00	\$10,350.00	\$6.50	\$4,485.00	\$5.00	\$3,450.0
17	TOPSOIL BORROW (LV)	CU YD	500.00	\$50.00	\$25,000.00	\$10.00	\$5,000.00	\$33.00	\$16,500.00	\$60.00	\$30,000.0
18	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	650.00	\$95.00	\$61,750.00	\$92.00	\$59,800.00	\$100.00	\$65,000.00	\$105.00	\$68,250.0
19	TYPE SP 12.5 NON WEARING COURSE MIXTURE (2,C)	TON	650.00	\$85.00	\$55,250.00	\$85.00	\$55,250.00	\$91.00	\$59,150.00	\$97.00	\$63,050.0
20	BITUMINOUS MATERIAL FOR TACK COAT	GAL	325.00	\$2.75	\$893.75	\$3.00	\$975.00	\$2.00	\$650.00	\$2.30	\$747.5
21	AGGREGATE BASE, CL 5 (CV)	CU YD	580.00	\$35.00	\$20,300.00	\$35.00	\$20,300.00	\$48.00	\$27,840.00	\$53.00	\$30,740.0
22	6" CONCRETE WALK	SQ FT	130.00	\$20.00	\$2,600.00	\$15.00	\$1,950.00	\$40.00	\$5,200.00	\$12.00	\$1,560.
23	CONSTRUCT DRAINAGE STRUCTURE DES F	EACH	1.00	\$3,500.00	\$3,500.00	\$7,500.00	\$7,500.00	\$7,000.00	\$7,000.00	\$6,900.00	\$6,900.0
24	15" PVC STORM PIPE (SDR 26)	LIN FT	123.00	\$55.00	\$6,765.00	\$80.00	\$9,840.00	\$75.00	\$9,225.00	\$105.00	\$12,915.0
25	CONNECT TO EXISTING STORM SEWER	EACH	1.00	\$650.00	\$650.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$750.00	\$750.0
26	CLEAN AND TELEVISE STORM SEWER	LIN FT	123.00	\$15.00	\$1,845.00	\$12.20	\$1,500.60	\$3.00	\$369.00	\$20.00	\$2,460.0
27	ADJUST FRAME & RING CASTING (SANITARY)	EACH	1.00	\$950.00	\$950.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$650.00	\$650.
28	CONNECT TO EXISTING WATERMAIN (12")	EACH	2.00	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00	\$5,000.00	\$10,000.00	\$4,500.00	\$9,000.0
29	CONNECT TO EXISTING WATERMAIN (14")	EACH	1.00	\$1,600.00	\$1,600.00	\$2,500.00	\$2,500.00	\$6,000.00	\$6,000.00	\$6,520.00	\$6,520.
30	CONNECT TO EXISTING WATERMAIN (24")	EACH	1.00	\$2,000.00	\$2,000.00	\$5,500.00	\$5,500.00	\$8,000.00	\$8,000.00	\$8,500.00	\$8,500.
31	CONNECT TO EXISTING WELL PITLESS ADAPTOR	EACH	2.00	\$1,500.00	\$3,000.00	\$1,200.00	\$2,400.00	\$1,700.00	\$3,400.00	\$5,500.00	\$11,000.0
32	8" DUCTILE IRON PIPE, CL52	LIN FT	36.00	\$100.00	\$3,600.00	\$100.00	\$3,600.00	\$95.00	\$3,420.00	\$155.00	\$5,580.0
33	6" PVC WATERMAIN (C900)	LIN FT	45.00	\$75.00	\$3,375.00	\$50.00	\$2,250.00	\$50.00	\$2,250.00	\$135.00	\$6,075.0
34	8" PVC WATERMAIN (C900)	LIN FT	156.00	\$80.00	\$12,480.00	\$58.00	\$9,048.00	\$58.00	\$9,048.00	\$92.00	\$14,352.0
35	12" PVC WATERMAIN (C900)	LIN FT	8.00	\$105.00	\$840.00	\$80.00	\$640.00	\$80.00	\$640.00	\$225.00	\$1,800.0
36	14" PVC WATERMAIN (C905)	LIN FT	6.00	\$125.00	\$750.00	\$175.00	\$1,050.00	\$80.00	\$480.00	\$235.00	\$1,410.0
37	20" PVC WATERMAIN (C905)	LIN FT	1087.00	\$200.00	\$217,400.00	\$115.00	\$125,005.00	\$105.00	\$114,135.00	\$119.00	\$129,353.
38	24" PVC WATERMAIN (C905)	LIN FT	7.00	\$220.00	\$1,540.00	\$300.00	\$2,100.00	\$310.00	\$2,170.00	\$385.00	\$2,695.
39	6" GATE VALVE & BOX	EACH	3.00	\$2,500.00	\$7,500.00	\$2,500.00	\$7,500.00	\$2,300.00	\$6,900.00	\$3,200.00	\$9,600.
40	8" GATE VALVE & BOX	EACH	4.00	\$3,200.00	\$12,800.00	\$3,500.00	\$14,000.00	\$3,200.00	\$12,800.00	\$4,900.00	\$19,600.
41	12" GATE VALVE & BOX	EACH	1.00	\$5,000.00	\$5,000.00	\$6,100.00	\$6,100.00	\$6,000.00	\$6,000.00	\$9,000.00	\$9,000.
42	14" GATE VALVE & BOX	EACH	1.00	\$10,500.00	\$10,500.00	\$17,500.00	\$17,500.00	\$16,000.00	\$16,000.00	\$19,000.00	\$19,000.
											\$69,000.
43	20" GATE VALVE & BOX	EACH	2.00	\$45,000.00	\$90,000.00	\$35,000.00	\$70,000.00	\$31,500.00	\$63,000.00	\$34,500.00	
44	2" INSULATION	SQ YD	20.00	\$50.00	\$1,000.00	\$20.00	\$400.00	\$50.00	\$1,000.00	\$40.00	\$800.
45	HYDRANT (8.5' BURY)	EACH	1.00	\$6,000.00	\$6,000.00	\$7,200.00	\$7,200.00	\$7,300.00	\$7,300.00	\$6,800.00	\$6,800.
46	HYDRANT (10' BURY)	EACH	1.00	\$7,000.00	\$7,000.00	\$7,500.00	\$7,500.00	\$7,600.00	\$7,600.00	\$7,600.00	\$7,600.0
47	HYDRANT (11' BURY)	EACH	1.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$7,600.00	\$7,600.00	\$7,950.00	\$7,950.0
48	6" HYDRANT EXTENSION	EACH	1.00	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$1,250.00	\$1,250.00	\$1,500.00	\$1,500.0
49	12" HYDRANT EXTENSION	EACH	1.00	\$2,000.00	\$2,000.00	\$1,300.00	\$1,300.00	\$1,450.00	\$1,450.00	\$2,200.00	\$2,200.0



# **TABULATION OF BIDS**

SEH NO.: BAXTE 181112

NAME: 2025 WATER SUPPLY IMPROVEMENTS - WELLS 5 & 6: CONTRACT B - RAW WATER MAIN & ELECTRICAL IMPROVEMENTS

OWNER: CITY OF BAXTER, MINNESOTA

BID DATE: 2:00 P.M., TUESDAY, MARCH 18, 2025

ITEM	DESCRIPTION	UNIT	QUANTITY	ENGINEER UNIT COST	'S ESTIMATE TOTAL	PR/ UNIT COST	ATT'S TOTAL	C&L EX	2 Cavating Total	J.R. F UNIT COST	3 ERCHE TOTAL
50	DUCTILE IRON FITTINGS (EPOXY COATED)	LBS	8157.00	\$20.00	\$163,140.00	\$0.50	\$4,078.50	\$8.00	\$65,256.00	\$14.00	\$114,198.
51	TRACER WIRE SYSTEM (WATER)	LUMP SUM	1.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$6,500.00	\$6,500.
52	METER VAULT (WELL 5)	LUMP SUM	1.00	\$90,000.00	\$90,000.00	\$65,000.00	\$65,000.00	\$70,000.00	\$70,000.00	\$75,000.00	\$75,000
53	METER VAULT (WELL 6)	LUMP SUM	1.00	\$90,000.00	\$90,000.00	\$65,000.00	\$65,000.00	\$70,000.00	\$70,000.00	\$75,000.00	\$75,000
54	ELECTRIC SYSTEM & COMPONENTS	LUMP SUM	1.00	\$180,000.00	\$180,000.00	\$215,845.00	\$215,845.00	\$225,000.00	\$225,000.00	\$245,000.00	\$245,000
55	INSTALL MARKER SIGN	EACH	4.00	\$100.00	\$400.00	\$250.00	\$1,000.00	\$200.00	\$800.00	\$300.00	\$1,200
56	CHAIN LINK FENCE	LIN FT	156.00	\$80.00	\$12,480.00	\$34.00	\$5,304.00	\$68.00	\$10,608.00	\$75.00	\$11,700
57	1 1/2" CLEAN AND WASHED ROCK	CU YD	30.00	\$36.00	\$1,080.00	\$75.00	\$2,250.00	\$65.00	\$1,950.00	\$75.00	\$2,250
58	WATERING TURF	PER 1000 GAL	250.00	\$50.00	\$12,500.00	\$50.00	\$12,500.00	\$25.00	\$6,250.00	\$32.00	\$8,000
59	ROCK CONSTRUCTION ENTRANCE	LUMP SUM	1.00	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000
60	STORM DRAIN INLET PROTECTION	EACH	4.00	\$200.00	\$800.00	\$100.00	\$400.00	\$150.00	\$600.00	\$245.00	\$980
61	8" BIOROLL, WOOD FIBER OR COMPOST	LIN FT	1000.00	\$6.00	\$6,000.00	\$5.00	\$5,000.00	\$3.00	\$3,000.00	\$4.00	\$4,000
62	SILT FENCE, MACHINE SLICED	LIN FT	1400.00	\$5.50	\$7,700.00	\$2.50	\$3,500.00	\$2.50	\$3,500.00	\$3.50	\$4,900
63	STREET SWEEPER (WET-PICKUP BROOM)	HOUR	14.00	\$150.00	\$2,100.00	\$100.00	\$1,400.00	\$150.00	\$2,100.00	\$85.00	\$1,190
64		SQ YD	8163.00	\$3.00	\$2,100.00	\$1.50	\$1,400.00	\$3.00	\$2,100.00	\$3.50	\$28,570
•	TURE ESTABLISHMENT (RFM)										
65	TURF ESTABLISHMENT (CAT 25 BLANKET)	SQ YD	300.00	\$13.00	\$3,900.00	\$3.00	\$900.00	\$3.50	\$1,050.00	\$4.00	\$1,200
66	SOIL ADDITIVE	SQ YD	8163.00	\$3.25	\$26,529.75	\$1.50	\$12,244.50	\$2.00	\$16,326.00	\$2.25	\$18,366
		IOIA	L BASE BID		\$1,345,047.50		\$1,049,385.10		\$1,103,256.00		\$1,270,990
	IRRIGATION SYSTEM REPAIR	ALLOWANCE	1.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,00
AI TE	RNATE 1 - BUTTERFLY VALVES										
43	20" GATE VALVE & BOX	EACH	(2.00)	\$45,000.00	(\$90,000.00)	\$35,000.00	(\$70,000.00)	\$31,500.00	(\$63,000.00)	\$34,500.00	(\$69,00
43A	20-INCH BUTTERFLY VALVE	EACH	2.00	\$20,000.00	\$40,000.00	\$15,000.00	\$30,000.00	\$11,500.00	\$23,000.00	\$16,900.00	\$33,80
		TOTAL AL	TERNATE 1		(\$50,000.00)	Ī	(\$40,000.00)	•	(\$40,000.00)	,	(\$35,20
ALTE	RNATE 2 - PAVING IN PARKING AREA					l					
68	MOBILIZATION	EACH	1.00	\$7,100.00	\$7,100.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$9,600.00	\$9,600
69	REMOVE CONCRETE WALK	SQ FT	253.00	\$5.00	\$1,265.00	\$4.00	\$1,012.00	\$1.25	\$316.25	\$5.00	\$1,26
70	SAWING CONCRETE WALK (FULL DEPTH)	LIN FT	24.00	\$10.00	\$240.00	\$10.00	\$240.00	\$5.00	\$120.00	\$8.00	\$19
71	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	520.00	\$10.00	\$5,200.00	\$5.00	\$2,600.00	\$3.00	\$1,560.00	\$3.80	\$1,97
72	SALVAGE AND REINSTALL SIGN	EACH	2.00	\$100.00	\$200.00	\$100.00	\$200.00	\$250.00	\$500.00	\$670.00	\$1,34
73	MILL BITUMINOUS PAVEMENT (1.5" DEPTH)	SQ YD	6080.00	\$3.50	\$21,280.00	\$4.00	\$24,320.00	\$2.75	\$16,720.00	\$2.99	\$18,17
74	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	540.00	\$95.00	\$51,300.00	\$92.00	\$49,680.00	\$101.00	\$54,540.00	\$105.00	\$56,70
75	BITUMINOUS MATERIAL FOR TACK COAT	GAL	550.00	\$2.75	\$1,512.50	\$3.00	\$1,650.00	\$2.00	\$1,100.00	\$2.30	\$1,26
76	BITUMINOUS PATCH SPECIAL	SY YD	150.00	\$42.00	\$6,300.00	\$52.00	\$7,800.00	\$40.00	\$6,000.00	\$45.00	\$6,75
77	6" CONCRETE WALK	SQ FT	253.00	\$20.00	\$5,060.00	\$12.00	\$3,036.00	\$35.00	\$8,855.00	\$12.00	\$3,03
78	TRUNCATED DOMES	SQ FT	15.00	\$80.00	\$1,200.00	\$75.00	\$1,125.00	\$60.00	\$900.00	\$80.00	\$1,200
79	4" SOLID LINE PAINT (WHITE)	LIN FT	700.00	\$4.00	\$2,800.00	\$0.58	\$406.00	\$0.15	\$105.00	\$0.12	\$84
80	HANDICAP SYMBOL PAINT	EACH	2.00	\$200.00	\$400.00	\$35.00	\$70.00	\$50.00	\$100.00	\$57.50	\$11
81	NO PARKING SYMBOL PAINT	EACH	2.00	\$150.00	\$300.00	\$30.00	\$60.00	\$50.00	\$100.00	\$57.50	\$11
82	ADJUST FRAME & RING CASTING (STORM)	EACH	3.00	\$950.00	\$2,850.00	\$1,000.00	\$3,000.00	\$850.00	\$2,550.00	\$650.00	\$1,950
83	ADJUST FRAME & RING CASTING (SANITARY)	EACH	1.00	\$950.00	\$950.00	\$1,000.00	\$1,000.00	\$850.00	\$850.00	\$700.00	\$700
84	ADJUST FRAME & RING CASTING (SANITARY)  ADJUST VALVE BOX	EACH	1.00	\$500.00	\$500.00	\$500.00	\$500.00	\$550.00	\$550.00	\$600.00	\$60
85	TURF ESTABLISHMENT (RFM)	SQ YD	180.00	\$5.00	\$900.00	\$1.50	\$270.00	\$4.00	\$720.00	\$4.00	\$720
		IUTAL AL	TERNATE 2		\$109,357.50		\$100,469.00		\$100,586.25		\$105,787
SUMI	MARY TOTAL BASE BID				\$1,345,047.50		\$1,049,385.10		\$1,103,256.00		\$1,270,99
	ALLOWANCE				\$1,345,047.50		\$1,049,363.10		\$1,103,230.00		\$1,270,99
							(\$40,000.00)		(\$40,000.00)		(\$35,20
	TOTAL ALTERNATE 1										
	TOTAL ALTERNATE 1 TOTAL ALTERNATE 2				(\$50,000.00) \$109,357.50		\$100,469.00		\$100,586.25		\$105,78