



Real People. Real Solutions.

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May 3, 2021

Buffalo Creek Watershed District  
PO Box 55  
Glencoe, MN 55336

RE: Amendment No. 2 to the Final Engineer's Report  
Judicial Ditch No. 15 Branch A Improvement  
Project No.: S15.116846

Dear Board of Managers:

The intent of this letter is to amend the Final Engineer's Report for the proposed Judicial Ditch No. 15 Branch A Improvement project in Renville County. Since the Original Final Engineer's Report and Amendment No. 1 were submitted to the Drainage Authority, there has been substantial increases in the price of tile. As a result, we are updating our Engineer's Estimate for construction, as well as our Separable Maintenance Estimate.

The accompanying information at the end of this amendment contain an updated improvement cost estimate, and separable maintenance cost estimate. The updated costs to improve the system is \$1,120,504 and the separable maintenance is \$901,119.

With the update in cost estimate the project is still practicable, feasible, and necessary. Additional copies of this amendment should be distributed to the Board Members for their review along with the Final Engineer's Report and Amendment No. 1 as submitted earlier. Please note no other sections were changed in amending the Report.

Sincerely,  
Bolton & Menk, Inc.

**Shaun P. Luker, P.E.**

cc: DNR Director, MN DNR (electronic copy of amendment)  
Gary Bennett, DNR Waters, Hutchinson (w 1 copy of amendment)  
John Kolb, Rinke-Noonan (w 1 copy of amendment)  
Jeff Braegelmann, Gislason & Hunter (w 1 copy of amendment)  
Marc Iverson, Renville County Auditor-Treasurer (w 1 copy of amendment)  
Jim Weidemann, Viewer (w 1 copy of amendment)  
Petitioners: Broderius Investments, Stamer, Dean, Sandgren, Sandgren, Wulkan Farms,  
Ludowese, Kalberg, Cardinal Family Farms, Soost Brothers Partnership,  
(w 1 copy of amendment)

**ENGINEER'S ESTIMATE - AMENDMENT NO. 2**

JUDICIAL DITCH #15 BRANCH A IMPROVEMENTS  
 RENVILLE COUNTY  
 BMI PROJECT NO: S15.116846



Real People. Real Solutions.

Date: 4/30/2021

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total Amount	JD 15 BR A42		JD 15 BR A52		JD 15 BR A57		JD 15 BR A58		JD 15 BR A93		JD 15 BR A95		JD 15 BR A56	
						Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price
<b>BASE BID</b>																			
1	Mobilization	1	Lump Sum	\$37,000.00	\$37,000.00	0.43	\$15,910.00	0.28	\$10,360.00	0.15	\$5,550.00	0.07	\$2,590.00	0.01	\$370.00	0.01	\$370.00	0.05	\$1,850.00
2	Haul & Place Embankment	200	Cubic Yard	\$6.00	\$1,200.00	200	\$1,200.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3	Aggregate Surfacing, Class 5	100	Ton	\$30.00	\$3,000.00	25	\$750.00	25	\$750.00	0	\$0.00	25	\$750.00	25	\$750.00	0	\$0.00	0	\$0.00
4	Exploratory Excavation	48	Hours	\$210.00	\$10,080.00	14	\$2,940.00	14	\$2,940.00	8	\$1,680.00	4	\$840.00	1	\$210.00	2	\$420.00	5	\$1,050.00
5	Drain Tile Connection	37	Each	\$500.00	\$18,500.00	10	\$5,000.00	10	\$5,000.00	4	\$2,000.00	4	\$2,000.00	4	\$2,000.00	2	\$1,000.00	3	\$1,500.00
6	6" Intakes	3	Each	\$500.00	\$1,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$1,000.00	1	\$500.00	0	\$0.00
7	8" Intakes	11	Each	\$550.00	\$6,050.00	0	\$0.00	5	\$2,750.00	1	\$550.00	4	\$2,200.00	0	\$0.00	0	\$0.00	1	\$550.00
8	12" Intakes	11	Each	\$650.00	\$7,150.00	5	\$3,250.00	4	\$2,600.00	2	\$1,300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9	15" Intakes	2	Each	\$1,000.00	\$2,000.00	2	\$2,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
10	6" Drain Tile	1510	Linear Foot	\$18.00	\$27,180.00	50	\$900.00	100	\$1,800.00	50	\$900.00	50	\$900.00	540	\$9,720.00	720	\$12,960.00	0	\$0.00
11	8" Drain Tile	700	Linear Foot	\$20.00	\$14,000.00	50	\$1,000.00	600	\$12,000.00	0	\$0.00	50	\$1,000.00	0	\$0.00	0	\$0.00	0	\$0.00
12	8" Drain Tile - Trenchless Installior	100	Linear Foot	\$90.00	\$9,000.00	0	\$0.00	100	\$9,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
13	10" Drain Tile	1358	Linear Foot	\$21.00	\$28,518.00	20	\$420.00	0	\$0.00	820	\$17,220.00	0	\$0.00	0	\$0.00	0	\$0.00	518	\$10,878.00
14	12" Drain Tile	5267	Linear Foot	\$22.00	\$115,874.00	20	\$440.00	1425	\$31,350.00	0	\$0.00	2320	\$51,040.00	0	\$0.00	0	\$0.00	1502	\$33,044.00
15	15" Drain Tile	1570	Linear Foot	\$25.00	\$39,250.00	0	\$0.00	1570	\$39,250.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
16	18" Drain Tile	3660	Linear Foot	\$28.00	\$102,480.00	20	\$560.00	740	\$20,720.00	2900	\$81,200.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17	24" Drain Tile	6740	Linear Foot	\$38.00	\$256,120.00	4740	\$180,120.00	2000	\$76,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
18	30" Drain Tile	705	Linear Foot	\$50.00	\$35,250.00	705	\$35,250.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
19	36" Drain Tile	1450	Linear Foot	\$60.00	\$87,000.00	1450	\$87,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20	42" CS Pipe With Rodent Guard	20	Linear Foot	\$140.00	\$2,800.00	20	\$2,800.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
21	Inlet Protection	35	Each	\$100.00	\$3,500.00	10	\$1,000.00	15	\$1,500.00	2	\$200.00	4	\$400.00	2	\$200.00	0	\$0.00	2	\$200.00
22	Riprap, Class 3	20	Ton	\$110.00	\$2,200.00	20	\$2,200.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
23	Rapid Stabilization, Method 4	2700	Square Yard	\$3.00	\$8,100.00	900	\$2,700.00	900	\$2,700.00	0	\$0.00	450	\$1,350.00	450	\$1,350.00	0	\$0.00	0	\$0.00
24	Mulch, Type 1	86	Ton	\$100.00	\$8,600.00	26	\$2,600.00	25	\$2,500.00	15	\$1,500.00	8	\$800.00	2	\$200.00	3	\$300.00	7	\$700.00
<b>ESTIMATED CONSTRUCTION SUBTOTAL:</b>					<b>\$826,352.00</b>		<b>\$348,040.00</b>		<b>\$221,220.00</b>		<b>\$112,100.00</b>		<b>\$63,870.00</b>		<b>\$15,800.00</b>		<b>\$15,550.00</b>		<b>\$49,772.00</b>
10% CONTINGENCY:					\$82,640.00		\$34,800.00		\$22,120.00		\$11,210.00		\$6,390.00		\$1,580.00		\$1,560.00		\$4,980.00
TEMPORARY CROP DAMAGES:		41.27	Acres	\$600.00	\$24,762.00	12.87	\$7,722.00	11.50	\$6,900.00	6.82	\$4,092.00	4.22	\$2,532.00	0.89	\$534.00	1.29	\$774.00	3.68	\$2,208.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$933,754.00</b>		<b>\$390,562.00</b>		<b>\$250,240.00</b>		<b>\$127,402.00</b>		<b>\$72,792.00</b>		<b>\$17,914.00</b>		<b>\$17,884.00</b>		<b>\$56,960.00</b>
DESIGN, ADMINISTRATION AND CONSTRUCTION ENGINEERING:					\$186,750.00		\$78,110.00		\$50,050.00		\$25,480.00		\$14,560.00		\$3,580.00		\$3,580.00		\$11,390.00
<b>TOTAL ESTIMATED PROJECT COST:</b>					<b>\$1,120,504.00</b>		<b>\$468,672.00</b>		<b>\$300,290.00</b>		<b>\$152,882.00</b>		<b>\$87,352.00</b>		<b>\$21,494.00</b>		<b>\$21,464.00</b>		<b>\$68,350.00</b>



**SEPARABLE MAINTENANCE ESTIMATE - AMENDMENT NO. 2**

JUDICIAL DITCH #15 BRANCH A IMPROVEMENTS

RENVILLE COUNTY

BMI PROJECT NO: S15.116846



Date: 4/30/2021

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total Amount	JD 15 BR A42		JD 15 BR A52		JD 15 BR A57		JD 15 BR A58		JD 15 BR A93		JD 15 BR A95		JD 15 BR A56	
						Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price	Qty.	Price
<b>BASE BID</b>																			
1	Mobilization	1	Lump Sum	\$31,000.00	\$31,000.00	0.38	\$11,780.00	0.27	\$8,370.00	0.15	\$4,650.00	0.09	\$2,790.00	0.02	\$620.00	0.02	\$620.00	0.07	\$2,170.00
2	Aggregate Surfacing, Class 5	125	Ton	\$30.00	\$3,750.00	25	\$750.00	50	\$1,500.00	0	\$0.00	25	\$750.00	25	\$750.00	0	\$0.00	0	\$0.00
3	Exploratory Excavation	48	Hours	\$210.00	\$10,080.00	14	\$2,940.00	14	\$2,940.00	8	\$1,680.00	4	\$840.00	1	\$210.00	2	\$420.00	5	\$1,050.00
4	Drain Tile Connection	37	Each	\$500.00	\$18,500.00	10	\$5,000.00	10	\$5,000.00	4	\$2,000.00	4	\$2,000.00	4	\$2,000.00	2	\$1,000.00	3	\$1,500.00
5	6" Intakes	5	Each	\$500.00	\$2,500.00	0	\$0.00	2	\$1,000.00	0	\$0.00	0	\$0.00	2	\$1,000.00	1	\$500.00	0	\$0.00
6	8" Intakes	9	Each	\$550.00	\$4,950.00	0	\$0.00	3	\$1,650.00	1	\$550.00	4	\$2,200.00	0	\$0.00	0	\$0.00	1	\$550.00
7	12" Intakes	11	Each	\$650.00	\$7,150.00	5	\$3,250.00	4	\$2,600.00	2	\$1,300.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
8	15" Intakes	2	Each	\$1,000.00	\$2,000.00	2	\$2,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9	4" Drain Tile	720	Linear Foot	\$16.00	\$11,520.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	720	\$11,520.00	0	\$0.00
10	6" Drain Tile	1070	Linear Foot	\$18.00	\$19,260.00	50	\$900.00	380	\$6,840.00	50	\$900.00	50	\$900.00	540	\$9,720.00	0	\$0.00	0	\$0.00
11	8" Drain Tile	1455	Linear Foot	\$20.00	\$29,100.00	50	\$1,000.00	675	\$13,500.00	680	\$13,600.00	50	\$1,000.00	0	\$0.00	0	\$0.00	0	\$0.00
12	8" Drain Tile - Trenchless Installator	100	Linear Foot	\$90.00	\$9,000.00	0	\$0.00	100	\$9,000.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
13	10" Drain Tile	6960	Linear Foot	\$21.00	\$146,160.00	20	\$420.00	2600	\$54,600.00	0	\$0.00	2320	\$48,720.00	0	\$0.00	0	\$0.00	2020	\$42,420.00
14	12" Drain Tile	1545	Linear Foot	\$22.00	\$33,990.00	20	\$440.00	385	\$8,470.00	1140	\$25,080.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
15	15" Drain Tile	3125	Linear Foot	\$25.00	\$78,125.00	0	\$0.00	1225	\$30,625.00	1900	\$47,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
16	18" Drain Tile	5910	Linear Foot	\$28.00	\$165,480.00	4740	\$132,720.00	1170	\$32,760.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
17	24" Drain Tile	895	Linear Foot	\$38.00	\$34,010.00	895	\$34,010.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
18	30" Drain Tile	1230	Linear Foot	\$50.00	\$61,500.00	1230	\$61,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
19	36" CS Pipe With Rodent Guard	20	Linear Foot	\$110.00	\$2,200.00	20	\$2,200.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
20	Inlet Protection	29	Each	\$100.00	\$2,900.00	6	\$600.00	15	\$1,500.00	2	\$200.00	2	\$200.00	2	\$200.00	0	\$0.00	2	\$200.00
21	Riprap, Class 3	20	Ton	\$110.00	\$2,200.00	20	\$2,200.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
22	Rapid Stabilization, Method 4	2700	Square Yard	\$3.00	\$8,100.00	900	\$2,700.00	900	\$2,700.00	0	\$0.00	450	\$1,350.00	450	\$1,350.00	0	\$0.00	0	\$0.00
23	Mulch, Type 1	83	Ton	\$100.00	\$8,300.00	26	\$2,600.00	25	\$2,500.00	15	\$1,500.00	6	\$600.00	2	\$200.00	2	\$200.00	7	\$700.00
<b>ESTIMATED CONSTRUCTION SUBTOTAL:</b>					<b>\$691,775.00</b>	<b>\$267,010.00</b>		<b>\$185,555.00</b>		<b>\$98,960.00</b>		<b>\$61,350.00</b>		<b>\$16,050.00</b>		<b>\$14,260.00</b>		<b>\$48,590.00</b>	
10% CONTINGENCY:					\$34,590.00	\$13,350.00		\$9,280.00		\$4,950.00		\$3,070.00		\$800.00		\$710.00		\$2,430.00	
TEMPORARY CROP DAMAGES:					40.94 Acres \$600.00 \$24,564.00	12.54	\$7,524.00	11.50	\$6,900.00	6.82	\$4,092.00	4.22	\$2,532.00	0.89	\$534.00	1.29	\$774.00	3.68	\$2,208.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>					<b>\$750,929.00</b>	<b>\$287,884.00</b>		<b>\$201,735.00</b>		<b>\$108,002.00</b>		<b>\$66,952.00</b>		<b>\$17,384.00</b>		<b>\$15,744.00</b>		<b>\$53,228.00</b>	
DESIGN, ADMINISTRATION AND CONSTRUCTION ENGINEERING:					\$150,190.00	\$57,580.00		\$40,350.00		\$21,600.00		\$13,390.00		\$3,480.00		\$3,150.00		\$10,650.00	
<b>TOTAL ESTIMATED PROJECT COST:</b>					<b>\$901,119.00</b>	<b>\$345,464.00</b>		<b>\$242,085.00</b>		<b>\$129,602.00</b>		<b>\$80,342.00</b>		<b>\$20,864.00</b>		<b>\$18,894.00</b>		<b>\$63,878.00</b>	