## Memorandum

To: NMCWD Board of Managers
From: Matt Kumka and Janna Kieffer

**Subject:** Edina Streambank Stabilization Project, Phase 2- Final Pay Application

Date: November 10, 2021

**c:** Randy Anhorn, District Administrator

The Edina Streambank Stabilization Project, Phase 2 has been completed. Enclosed is the Application for Payment #8 from Sunram Construction Company for work completed through 10/1/21. The pay request is for \$18,876.98 which includes \$6,750.00 for the completion of the 2-year warranty period for vegetation establishment and \$12,126.98 for the remaining retainage being held for the project. Barr has reviewed the application for payment, confirmed that the work for which payment is requested has been performed, believes to the best of our knowledge that the work has been performed in accordance with the terms of the contract with the Nine Mile Creek Watershed District, and is recommending approval of the pay request.

This is the final pay application for this project. As shown in the pay application request, the total work completed is \$496,299.70, which is higher than the current contract amount of \$491,829.50. The difference in cost between the total work completed and current contract amount reflects some differences in quantities needed during construction for several bid items in comparison with the bid quantities originally estimated during project design. The differences in quantities can be seen in the attached pay application table.

## Nine Mile Creek Restoration Project Phase II Progress Payment Number 8 - FINAL PAYMENT

1.0	Total Com	pleted Through This Period		\$ 496,299.70			
2.0	Total Com	pleted Previous Period				\$ 489,549.70	
3.0	Total Com	pleted This Period				,	\$6,750.00
4.0	Amount R	etained, Pervious Period				\$12,126.98	
5.0	Amount R	etained, This Period (See Note 1)	)				
6.0	Total Amo	ount Retained				\$12,126.98	
7.0	Retainage	Released Through This Period:					\$12,126.98
0.8	Amount D	ue This Period					\$18,876.98
Note 1: At i	rate of 5%						
		act Price \$491,829.50					
SUBMITTE	D BY:			1 /			
Name:		Ryan Sunram	Date:	11/9/21			
Title:		Project Manager		7//			
Contractor:	4 11	Sunram Construction, Inc.					
Signature:		Cyan M. Surran					
		/					
RECOMME	ENDED BY		_	November 9, 2	<b>Λ</b> 21		
Name:		Bob Obermeyer	Date:		UZ I		
Title:		District Engineer					
Engineer:		Barr Engineering Company					
Signature:		Set Smeg)		· · · · · · · · · · · · · · · · · · ·			
APPROVEI	BY:	//					
Name:		Bob Cutshall	Date:				
Title:		President					
Owner:		Nine Mile Creek Watershed Dis	trict				

Signature:

Nine Mile Creek Restoration Project Phase II
Nine Mile Creek Watershed District
Summary of Work Completed for Progress Payment Number 8 - FINAL PAYMENT

	Т		i		BID - SU	INRAM	(1) Total Com	pleted Through			-	(3) Total Comp	leted During	(3) Total Com	pleted During	(4) Total Comp	leted During	(5) Total Comp	leted During	(6) Total Comp	leted During	(7) Total Con	pleted During	8) Total Comp	pleted During
It	em			ESTIMATED	CONSTR	UCTION	This Period		Percent		leted During Period 1			Periad 3		Period 4		Period 5		Period 6		Period 7		eriod 8	
		ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST		Quantity	Amount	Complete	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity		Quantity	Amount 50.00	Quantity	Amount 50.00		Amount Sp.00	Quantity /	Amount \$0.00
		Mobifization/Demobifization	L.S.	1	\$36,400,90 s	S 36,400.90 S 8,700.00	1	\$36,400.90 \$8,700.00	100%	0.5	\$18,200.45 \$4,350.00	0,5	\$18,200.45 \$4,350.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00		\$0.00	-	\$0.00
		Control of Water Traffic Control	L.S.	1	56,700.00	5 6,700.00	1	\$6,700.00	100%		\$3,350.00	0.5	\$3,350.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
<del> </del>		Civil			Name and the state of the state of the	agrand in consider				Assault Section		ayar sarga basa			egyana hilitakan		yalar edililiyin bili	byskhodstkis		Charles Veriffe	A \$160 VIDEO	Despired State	ang kang pagadan	adhreas-ar	grangestighes
		Construction Enfrance	Each	- 6	5600,00 1	5 4,800.00	6	\$4,800.00	100%	2	\$1,600.00	4	\$3,200.00 \$7,500.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00 \$0.00		\$0.00 \$0.00
		Access and Haul Road	LS,	1 330	\$15,000.00 S	S 15,000.00 S 2,327,50	100	\$15,000.00 \$175.00	100%	0.5	\$7,500.00 \$0.00	0.5 100	\$175,00		\$0,00		\$0.00		\$0.00		\$0,00		\$0.00		\$0.00
		Sit Fence Sediment Log	LF.	3,340	53,25	5 2,327.50 5 10,855.00	2664	\$8,658.00	80%	2077	\$6,750.25	587	\$1,907.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Rock Filter Dike	Each	5	\$1,850.00		5	\$9,250.00	100%	2	\$3,700.00	3	\$5,550.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Tree Protection Fencing	L,F,	1020	53,00		50		5%	25	\$75.00	25	\$75.00		\$0.00		\$0.00		\$0,00		\$0.00		\$0.00		\$0.00
		Inlet Protection	Each	12	\$150.00		3	\$450,00	25%	5,68	\$300.00 \$58,276.80	1	\$150.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00		\$0.00		\$0,00 \$0.00		\$0.00 \$0.00
$\vdash \vdash$		Clearing and Grubbing Buckthorn Removal and Chemical Treatment	Acre	5.68	\$10,260.00		5.6B	\$58,276.80	100%	5.68		0										l i			
1 1	L	of Stumps	Acre	1	\$5,725.00		1	\$5,725.00	100%	1	\$5,725.00		\$0.00		\$0.00		\$0.00		\$0,00		\$0.00		\$0.00		\$0.00
	М	Street Sweeping	LS,	1	\$3,200.00		1	\$3,200.00	100%	0.25	\$800.00	0.75	\$2,400.00		\$0.00		\$0.00	ļ	\$0.00 \$0.00		\$0.00		\$0.00 \$0.00		\$0.00 \$0.00
		Temporary Mulch	Acre	0.31	\$5,600.00		1.4 480		452% 100%	0	\$0.00	1.4	\$7,840.00 \$25,440.00		\$0.00 \$0.00		\$0.00		\$0.00		\$0.00	1	\$0.00	-	\$0.00
		Remove and Replace Fence Import and Install Root Wad	LF. Each	480 18	\$53.00 S		480	\$25,440.00	0%	0	50.00	980	\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0,00	-	\$0,00
		Clear and Salvage Trees and Install as Root									•														
$\vdash$		Wad	Each	5	\$725.00		27	\$19,575.00	540%	20	\$14,500.00	7	\$5,075.00		\$0.00	-	\$0.00	<u> </u>	\$0,00		\$0.00	1	\$0.00		\$0.00
	R	Clear and Salvage Trees and Install as Log Vane	Each	4	\$450,00	s 1,809,00	4	\$1,800.00	100%	4	\$1,800.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Relocate Sprinkler Heads	LS.	1	\$3,500.00	s 3,500,00	1	\$3,500.00	100%	0	\$0.00	1	\$3,500.00		\$0,00		\$0,00		\$0.00		\$0.00	$\Box$	\$0.00		\$0.00
	Т	Channel Cleanup, Debris Removal, and Disposal	L.S.	1	\$1,200.00	s 1,200.00	2	\$2,400.00	200%	0,25	\$300.00	1,75	\$2,100.00		\$0.00		\$0.00	İ	\$0.00		\$0.00		\$0.00		\$0.00
	U	Grading	S.Y.	5788	\$1,10	s 6,388.80	8309	\$9,139.90	144%	0	\$0.00	8309	\$9,139.90		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Import Topsoil	C.Y.	482	\$18.00	S 8,676.00	0	\$0.00	. 0%		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		50.00
	w	Furnish and Install Storm Sewer Flared End Section	Each	1	53.200.00	s 9,200.00	1	\$3,200.00	100%	0	\$0.00	1	\$3,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
	×	Import Riprap, CL. III	Ton	604	\$72.00	S 43,488.00	. 646	\$46,512.00	107%	209	\$15,048.00	437	\$31,464.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Construct Stream Crossing	Each	4	\$2,975.00	\$ 11,900.00	4	\$11,900,00	100%	1	\$2,975,00	3	\$8,925.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Construct Cross Vane-Single Boulder	LF.	272	\$84.00	5 22,848.00	156	\$13,104.00	57%	89	\$7,476.00	67	\$5,628.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00 \$0.00		\$0.00 \$0.00
		Construct Cross Vane-Double Boulder	L.F.	46 319	\$148,00 \$84.00	\$ 5,808.00 \$ 26,796.00	93 242	\$13,764.00 \$20,328.00	202% 76%	80	\$0.00 \$6,720.00	93 162	\$13,764.00 \$13,608.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$0.00	-	\$0.00
		Construct Rock Vane-Single Boulder Excavation, Bank Slope (P)	C.Y.	622	\$30,00		810		130%	198	\$5,940.00	612	\$18,360.00		\$0.00		\$0.00	<b></b>	\$0.00		\$0.00	-	\$0,00		\$0.00
		Excavation, Riprap (P)	C.Y.	537	\$30,00		975	\$29,250.00	182%	100	\$3,000.00	875	\$26,250.00		\$0,00		\$0.00		\$0,00		\$0.00		\$0.00		\$0.00
		Excavation, New Creek Channel (P)	C.Y.	1624	\$7.25		1624	\$11,774.00	100%	1200	\$8,700.00	424	\$3,074.00		\$0,00		\$0,00		\$0,00		\$0.00		\$0.00		\$0.00
		Fill, Old Creek Channel (P)	C.Y.	1,321	\$10,00	\$ 13,210,00	1321	\$13,210.00	100%	C	\$0.00	1321	\$13,210.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Landscape		entral en	\$ 2,950,00	S 13,953.50	4.73	\$13,953.50	100%		\$0.00	4.73	\$13,953.50	(KINA WEIGHT)	\$0.00	.00000000000000000000000000000000000000	\$0,00		\$0.00	(1) 1 - 1   1   1   1   1   1   1   1	\$0.00	1	\$0.00		\$0.00
		Seed Area Seed Mix 1: Wet Meadow	Acre Lbs.	4,73	\$ 2,950,00		4.73		100%		\$0.00	20	\$1,100.00		\$0.00		00.02		\$0,00		\$0.00		\$0.00	_	\$0.00
		Seed Mix 2: Floodplain Forest	Lbs.	10	S 147.00		10		100%	0	\$0.00	10	\$1,470.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
-		Seed Mix 3: Upland Construction Restoration	Lbs.	0	S 500.00		0	\$0.00	#DIV/0!		\$0.00		\$0.00		\$0.00		\$0,00		\$0.00		\$0.00		\$0.00		\$0.00
		Seed Mix 4: Wet Meadow South and West	Lbs.	7	\$ 84,00		7		100%	0	\$0.00	7	\$588.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Seed Mix 5: Low Maintenance Turf	Lbs.	47	\$ 6,00		47		100%	0	\$0.00	47	\$282.00		\$0.00		\$0,00		\$0,00		\$0,00		\$0.00		\$0.00
		Seed Mix 6: Cover Crop	Lbs.	474	\$ 0,55		474		100%	0	\$0.00	474	\$260.70		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Sod	S.Y.	0	S 50,00		0			0	\$0.00 \$0.00	0	\$0.00		\$0.00 \$0.00		\$0.00 \$0.00		\$0.00		\$0.00		\$0.00 \$0.00		\$0.00 \$0.00
		Live Stake	Each Each	175 45	S 9,00 S		175 45		100%	0	\$0.00	175 45	\$1,575.00 \$3,690.00		\$0.00		\$0.00		\$0,00 \$0,00		\$0.00		\$0.00		\$0.00
		Plant #5 Container Tree Plant #2 Container Shrub	Each	152	\$ 40,00		152		100%		\$0.00	152	\$6,080.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
		Siredded Hardwood Mulch	C.Y.	163	\$ 69,00	S 11,247.00	163		100%	0	\$0.00	163	\$11,247.00		\$0,00		\$0,00		\$0,00		\$0,00		\$0.00		\$0.00
		Eroslon Control Blanket	S.Y.	7,288	\$ 1.85	\$ 13,482.80	4764	\$8,813.40	65%	0	\$0.00	2250	\$4,162.50	2514	\$4,650,90		\$0,00		\$0,00		\$0.00		\$0.00		\$0.00
Г	00	Vegetation Establishment and Warranty Period- Years One and Two	L.S.	1	S 13,500.00	s 13,500,00	1	\$13,500.00	100%	0	\$0.00	0	\$0.00		\$0.00		\$0.00		\$0.00	0.25	\$3,375.00	0.25	\$3,375.00	0.5	\$6,750.00
L		researched two	L	1				استنسنسي										•							
	CO1																								
		Remove 12" PVC Pipe	LF	19	\$ 15.00	\$ 150,00	10	\$150.00	100%			10	\$150.00												
		Install 12" Schedule 35 PVC Pipe	LF	40	\$ 56.00	S 2,240.00	40	\$2,240.00	100%			40	\$2,240.00									[t			
	_	Install Metal Flared End Section	Each	1	\$ 450,00	s 450,00	1	\$450,00	100%			1	\$450.00												
		Install 45-Degree Elbow	Each	2	S 500,00	5 1,000.00	2	\$1,000.00	100%			2	\$1,000.00												
		* *************************************							-		7														
	CO2																								
Γ	П	Remove and Dispose of Household Debris	Ton	17	S 100,00	5 1,700,00	17	\$1,700.00	100%					17	\$1,700.00		\$0.00		\$0.00		\$0.00		\$0,00		
	UU	Komatsu Mid Excavator	Hour	2	\$ 225,00	\$ 450,00	. 2	\$450.00	100%					2	\$450,00		\$0.00		\$0.00		\$0.00		\$0.00		
-	w	Laborer	Hour	2	\$ 65.00	\$ 130,00	2	\$130.00	100%					2	\$130.00		\$0.00		\$0,00		\$0.00		\$0.00		
_	1																								
	CO3																								
Γ	ww	Import Fill	CY	195	\$ 46.50		195		100%						\$0.00	195	\$9,067.50	- 0	\$0.00	0	\$0.00	0	\$0.00		
	xx	Kornatsu Mid Excavator	Hour	15.5	\$ 135,00	s 2,092.50	15.5	\$2,092.50	100%						\$0,00	15,5	\$2,092.50		\$0,00	0	\$0.00	0	\$0.00		
	YY	Laborer	Hour	15,5	\$ 125,00		15.5		100%						\$0.00	15.5	\$1,937.50	c	\$0.00	0	\$0.00		\$0.00		
Г		Total				\$ 491,829.50		\$ 496,299.70			\$ 177,086.50		\$285,684.80		\$6,930.90		\$13,097.50		\$0.00		\$3,375.00		\$3,375.00		\$6,750.00

Nine Mile Creek Phase 2 (Reach 12-13-14-15)										
City of Edina						10/8/2018	11/6/2018	11/5/2020	10/1/2021	
					Total	Quantity	Quantity	Quantity	Quantity	Total
Line Item	Unit	Bid Qty	Unit Price		Bid	Pay 1	Pay 2	Pay 3-7	Pay 8	Complete
Mobilization	LS	1	\$36,400.90	\$	36,400.90	0.5	0.5			\$36,400.90
Control of Water	LS	1	\$8,700.00	\$	8,700.00	0.5	0.5			\$8,700.00
Traffic Control	LS	1	\$6,700.00	\$	6,700.00	0.5	0.5			\$6,700.00
Construction Entrance	EA .	6	\$800.00	\$	4,800.00	2	4			\$4,800.00
Access and Haul Road	LS	1	\$15,000.00			0.5	0.5			\$15,000.00
Silt Fence	LF	1330	\$1.75		2,327.50		100			\$175.00
Sediment Log	LF	3340			10,855.00	. 2077	587			\$8,658.00
Rock Filter Dike	EA	5	\$1,850.00		9,250.00	2				\$9,250.00
Tree Protection Fencing	LF	1020	\$3.00		3,060.00	25	25			\$150.00
Inlet Protection	EA	12	\$150.00		1,800.00	2	1			\$450.00
Clearing and Grubbing	AC	5.68	\$10,260.00			5.68				\$58,276.80
Buckthorn Removal & Chemical Treat Stumps	AC LS	1 1	\$5,725.00		5,725.00	1	0.75			\$5,725.00 \$3,200.00
Street Sweeping	AC		\$3,200.00		3,200.00	0.25	1.4			
Temporary Mulch Remove and Replace Fence	LF	0.31 480	\$5,600.00		1,736.00 25,440.00		480			\$7,840.00 \$25,440.00
Import and Install Root Wad	EA	18			12,150.00		400			\$0.00
Clear and Salvage Trees and Install Root Wad	EA	5	\$725.00		3,625.00	20	7			\$19,575.00
cicul and salvage frees and install Nove wad	LA		¥725.00	7	3,023.00	20	,			715,575.00
Clear and Salvage Trees and Install Log Vane	EA	4	\$450.00	Ś	1,800.00	4				\$1,800.00
Relocate Sprinkler Heads	LS	1	\$3,500.00		3,500.00		1			\$3,500.00
The same of the sa		-	40,000.00	~	5,500.00		_			40,000,00
Channel Cleanup, Debris Removal, Disposal	LS	1	\$1,200.00	5	1,200.00	0.25	1.75			\$2,400.00
Grading	SY	5788	\$1.10		6,366.80		8309			\$9,139.90
Import Topsoil	CY	482	\$18.00		8,676.00					\$0.00
· ·					•					
Furnish and Install Storm Sewer Flared End	EA	1	\$3,200.00	\$	3,200.00		1			\$3,200.00
Import Riprap Class 3	TN	604	\$72.00	\$	43,488.00	209	437			\$46,512.00
Construct Stream Crossing	EA	4	\$2,975.00	\$	11,900.00	1	3			\$11,900.00
Construct Cross Vane-Single Boulder	LF	272	\$84.00	\$	22,848.00	89	67			\$13,104.00
Construct Cross Vane-Double Boulder	LF	46	\$148.00	\$	6,808.00		93			\$13,764.00
Construct Rock Vane-Single Boulder	LF	319	\$84.00	\$	26,796.00	80	162			\$20,328.00
Excavation Bank Slope	CY	622	\$30.00	\$	18,660.00	198	612			\$24,300.00
Excavation Riprap	CY	537	\$30.00	\$	16,110.00	100	875			\$29,250.00
Excavation New Creek Channel	CY	1624			11,774.00	1200	424			\$11,774.00
Fill Old Creek Channel	CY	1321			13,210.00		1321			\$13,210.00
Seed Area	AC	4.73	\$2,950.00				4.73		0	,
Seed Mix 1 Wet Meadow	LB	20	\$55.00		1,100.00		20			\$1,100.00
Seed Mix 2 Floodplain Forest	LB	10	\$147.00		1,470.00		10			\$1,470.00
Seed Mix 3 Upland Construction Restoration	LB	0	\$500.00				_			\$0.00
Seed Mix 4 Wet Meadow South and West	LB	7	\$84.00		588.00		7		0	•
Seed Mix 5 Low Maintenance Turf	LB	47	\$6.00		282.00		47			\$282.00
Seed Mix 6 Cover Crop Sod	LB SY	474 0	\$0.55 \$50.00		260.70		474			\$260.70 \$0.00
Live Stake	EA	175	\$9.00		1,575.00		175			\$1,575.00
#5 Container Tree	EA	45	\$82.00		3,690.00		45			\$3,690.00
#2 Container Tree	EA	45 152	\$40.00		6,080.00		152			\$6,080.00
Shredded Hardwood Mulch	CY	163			11,247.00		163			\$11,247.00
Erosion Control Blanket	SY	7288	•	•	13,482.80		2250	2514	0	
Vegetation Establishment & Warranty-Year 1-2	LS	1	\$13,500.00		13,500.00			0.5	0.5	\$13,500.00
Alt 1 Vegetation Establishment-Years 3-5	LS	1	. ,	\$	· -					\$0.00
CO2 Removal & Disposal of Contaminated	TN	17	\$100.00	\$	1,700.00			17		\$1,700.00
CO2 Komatsu Mid Excavator	HR	2	\$225.00		450.00			2		\$450.00
CO2 Laborer	HR	2	\$65.00		130.00			2		\$130.00
CO1 Remove 12" PVC Pipe	LF	10	\$15.00		150.00		10			\$150.00
CO1 Install Pipe 12" Schedule 35 PVC	LF	40	\$56.00	\$	2,240.00		40			\$2,240.00
CO1 Install Pipe Metal Flared End	EA	1	\$450.00	\$	450.00		1			\$450.00
CO1 Install Pipe 45 Degree Elbow	EA	2	\$500.00	\$	1,000.00		2			\$1,000.00
CO3 Import Fill	CY	195	\$46.50	\$	9,067.50			195		\$9,067.50
CO3 Excavator T&M on 7/22, 7/23	HR	15.5	\$135.00		2,092.50			15.5		\$2,092.50
CO3 Skid Loader T&M on 7/22, 7/23	HR	15.5	\$125.00	\$	1,937.50			15.5		\$1,937.50
CO Excavator T&M on 7/18, 7/19	HR	17.75	\$135.00						0	
CO Skid Loader T&M on 7/18, 7/19	HR	17.5	\$125.00						0	
:			:	Ş	491,829.50	· =				\$496,299.70
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Pay App 1 \$177,086.50 Pay App 2 \$285,684.80 Pay App 3 \$6,930.90 Pay App 4 \$13,097.50 Pay App 5 Retainage Only Pay App 6 \$3,375.00 Pay App 7 \$3,375.00 Pay App 8 \$6,750.00