

ALL ITEMS AS SPECIFIED BELO	W ARE FOR REFERENCE L	JSE ONLY				
Stepin Residence 1256 Silverthorn Drive Shoreview, MN 55126 BMP Type: Wetland Buffer Number of BMPs: 1 of 1				County: Date:		Ramsey 6/21/2024
INSTALLED MATERIALS &	LABOR - WETLAND E	BUFFER				
Item Twice Shredded Hardwood Mulch (MnDot Type 6 Mulch) Erosion control fabric (C125BN/S75BN or equal) Native Perennial: 2" Plug; or equivalent	Qty 10.00 99.00 241.00	Unit CY SF EA	\$ \$ \$	Unit Cost 40.00 0.25 1.60	\$ \$ \$	Amount 400.00 24.75 385.60
Deliveries	1.00	LS	\$	Subtotal	\$	300.00 1,110.35
INSTALLED MATERIALS & LABOR			SSAR'			
Item Vegetation Removal & Planting Bed Prep (Chemcial Costs) (remaining cattails, etc.) [1-2 herbicide applications minimum]	Qty 2020.00	Unit SF	\$	Unit Cost 0.02 Subtotal	\$ \$ \$ \$ \$ \$ \$	Amount 40.40 - - - - 40.40
PROJE	CT TOTAL					
			Pr	roject Estimate :-10% :+10%	\$ \$ \$	1,150.75 1,035.68 1,265.83
	Esti	Estimated Potentia	RCPI al Gran	O Grant Award: R Grant Award: at Award Total: andowner Cost:		\$575.38 \$0.00 \$575.38 \$575.38

Soil & Water Conservation Division 2015 Van Dyke Street Maplewood, MN 55109 www.ramseycounty.us



ALL ITEMS AS SPECIFIED BELOW ARE	FOR REFERENCE I	JSE ONLY				
Oleska Residence 1254 Silverthorn Drive Shoreview, MN 55126 BMP Type: Wetland Buffer Number of BMPs: 1 of 1				County: Date:		Ramsey 6/21/2024
INSTALLED MATERIALS & LABO	OR - WETLAND I	BUFFER				
Item Twice Shredded Hardwood Mulch (MnDot Type 6 Mulch) Erosion control fabric (C125BN/S75BN or equal) Native Perennial: 2" Plug; or equivalent Native Shrub: 5 Gallon Potted; or equivalent Deliveries	Qty 3.00 124.00 75.00 3.00 1.00	Unit CY SF EA EA LS	\$ \$ \$ \$ \$	0.25 1.60 40.00	\$ \$ \$ \$ \$ \$	Amount 120.00 31.00 120.00 120.00 300.00 691.00
INSTALLED MATERIALS & LABOR - ADD	ITIONAL ITEMS	AS NECES	SSAR	Υ		
Item Vegetation Removal & Planting Bed Prep (Chemcial Costs) (remaining cattails, etc.) [1-2 herbicide applications minimum]	Qty 2020.00	Unit SF	\$	Unit Cost 0.02 Subtotal	\$ \$ \$ \$ \$	Amount 40.40 - - - - 40.40
PROJECT TO	TAL					
			Р	roject Estimate :-10% :+10%	\$ \$ \$	731.40 658.26 804.54
	Esti	Estimated Potentia	RCP I Grai	O Grant Award: R Grant Award: nt Award Total: ndowner Cost:		\$365.70 \$0.00 \$365.70 \$365.70

Soil & Water Conservation Division 2015 Van Dyke Street Maplewood, MN 55109 www.ramseycounty.us

Rice Creek Watershed District



To: RCWD Board of Managers

From: Molly Nelson, Outreach and Grants Technician

Subject: RCWD Water Quality Grant Program Application, W24-01 Johnson Prairie

Restoration

Introduction

W24-01 Johnson Prairie Restoration

Applicant: Christel Johnson

Location: 7900 180th St. N, Forest Lake
 Total Eligible Project Cost: \$7,385.77

RCWD Grant Recommendation: \$3,692.88 (50%)

Background

This application proposes a prairie restoration project that is on a residential property in the City of Forest Lake. The purpose of restoring unused farm fields to prairie is to improve infiltration of the stormwater runoff from the property and adjacent area and treat/filter pollutants from the source. This project will help with water quality and volume control for stormwater runoff into Hardwood Creek (RCWD Ditch JD2).

The Washington Conservation District (WCD) created a design for the project and provided recommendations that have been included in the design. The project as proposed is designed to install 2.35 acres of conservation cover (Area 1) and burn areas 2 and 3 to enhance existing vegetation. RCWD staff is comfortable with the design presented in this application. The total catchment area for the project is 1,827 square feet. The estimated pollutant reductions for the proposed project are: 81.8% reduction in annual runoff (5.03 in/yr), 81.77% reduction in total suspended solids (TSS) (146.2 pounds/year), and a 81.8% reduction in total phosphorus (TP) (0.805 pounds/ year). The project location scored a value of 19 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program. The applicant has also obtained external grant funds from the 2021 BWSR EM BWIF grant program to supplement the cost of this project.

The applicant obtained four bids for the project. The District will proceed with the lowest bid for the project upon approval of the application for cost-share.

Prairie Restorations, Inc.: \$8,915.00
Landbridge Ecological: \$11,032.75
The Land Stewards LLC.: \$7,385.77

-Note from WCD Specialist: the contractor combined the burn bid for all three areas together and divided it by acre to get a per acre price which is different than what is indicated on the bid.

•Edge Ecosystems: \$10,786.02

The project application was discussed at the CAC meeting on August 7th. The CAC was supportive of the project and recommended it as presented. Motion carried 9-0.



Rice Creek Watershed District

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$3,692.88 not to exceed 50% of eligible project expenses or \$7,500.00, whichever is less.

Request for Proposed Motion Manager _____ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant Contract W24-01 of \$3,692.88 not to exceed 50% of eligible project costs or up to \$7,500.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

Water Quality Grant W24-01 application items.



TO: RCWD Advisory Committee

FROM: Elissa Thompson, Landscape Restoration Specialist

DATE: 7/26/24

RE: Johnson Cost Share Application

Project Address:

7900 180th St. N Forest Lake, MN

Material and Labor Estimate: \$7,385.77

Cost Share Request: \$3,692.88 (50% of the cost)

Background:

The proposed project will install 2.35 (Area 1, shown in pink on map) acre of conservation cover (old field to prairie) at the Johnson property (7900 180th Street N, Forest Lake). This property was identified in the RCWD Rural Groundwater and Surface Water SWA as a priority parcel to implement soil health practices to protect groundwater and surface water. Area 2 (shown in green) and Area 3(shown in purple) will be burned to enhance existing vegetation. Christel Johnson will be hiring a contractor to complete the work and has received 3 bids; low bid was \$7,385.77.

Recommendation:

It is my recommendation that this project be awarded cost share in the amount of 50% of the project cost; up to \$3,692.88

Pollution Reductions:

Existing Land Cover	HSG	Area (acres)	R _v	Annual Runoff, in/yr	Unit Coversion Factor	TP Load, lb/yr	TSS Load, lb/yr
Managed Turf	С	2.35	0.2	6.15	0.227	0.984	178.799
Total		2.35		6.15		0.984	178.799
Proposed Land Cover	HSG	Area (acres)	R _v	Annual Runoff, in/yr	Unit Coversion Factor	TP Load, lb/yr	TSS Load, lb/yr
Proposed Land Cover Native Prairie/Forest		Area (acres)			1		

	Annual Runoff, in/yr	Unit Coversion Factor	TP Load, lb/yr	TSS Load, lb/yr
Load Reduction	5.03		0.805	146.199



Cost Estimate

RICE CREEK WATERSHED DISTRICT

RCWD Cost-Share

Landowner: Christel Johnson

Project Address: 7900 180th Street N Forest Lake, MN

Mailing Address: Same

5/31/2024



4325 Pheasant Ridge Dr. NE #611 Blaine, MN 55449 phone: 651,714,3729

Job Description		Cost Summary					
Conservation Cover	Project Cost =	\$ 6,341.7	5				
	Job Estimate						
Area 1	Qty	Unit	ι	Jnit Cost		Amount	
Mobilization and Project Management	1	LS	\$	500.00	\$	500.00	
Site Prep & Weed Management as needed	1	LS	\$	750.00	\$	750.00	
Site prep Rx Burn	1	LS	\$	1,500.00	\$	1,500.00	
Seed MNI Mesic Prairie Mix	2 35	Acres	\$	805.00	\$	1 891 75	

Jo	ob Estimate					
Area 1	Qty	Unit	L	Init Cost		Amount
Mobilization and Project Management	1	LS	\$	500.00	\$	500.00
Site Prep & Weed Management as needed	1	LS	\$	750.00	\$	750.00
Site prep Rx Burn	1	LS	\$	1,500.00	\$	1,500.00
Seed MNL Mesic Prairie Mix	2.35	Acres	\$	805.00	\$	1,891.75
Fall Dormant Seeding (Nov 1st to Ground Freeze)	1	LS	\$	750.00	\$	750.00
			Area	1 Subtotal	\$	5,391.75
Area 2						
Site Prep & Weed Management as needed	1	LS	\$	200.00		200.00
Site prep Rx Burn	1.00	LS	\$	500.00	\$	500.00
			Area	2 Subtotal	\$	700.00
Area 3						
Site Prep & Weed Management as needed	1	LS	\$	250.00		250.00
Site prep Rx Burn	0.1	Acres	\$	300.00	\$	30.00
			Area	3 Subtotal	\$	250.00
ADDITIONAL NOTES	T S	UBTOTALS				
			•	t Estimate	\$	6,341.75
		21-	05 BWS	R EM WBIF	\$	4,500.00
		Landowner	Cost I	Estimate	\$	1,585.44

Elissa Thompson

From: Christel Johnson <cmjfl@msn.com>
Sent: Sunday, July 21, 2024 11:00 AM

To: Elissa Thompson

Subject: From Dane @ The Land Stewards, LLC

Attachments: Johnson Concept Map.pdf

Hi Elissa,

I'm still waiting on at least two people to get estimates to me.

I hope your summer is going well!

Christel

From: Dane Huinker <thelandstewardsllc@gmail.com>

Sent: Wednesday, July 17, 2024 8:00 AM **To:** Christel Johnson <cmjfl@msn.com>

Subject: Re: Elissa's proposal

Hi Christel,

Here is the timeline/cost estimate for how I would prep and plant your prairie as well as the prescribed burns:

Season	Item and Area	Quantity	Unit	Unit Cost	1	otal Cost
Summer '24	8road Spectrum Herbicide (Unit 1)	1	each	\$ 750.00	\$	750.00
Early Fall '24	8road Spectrum Herbicide (Unit 1)	1	each	\$ 750.00	\$	750.00
					\$	
Late Fall '24	Prescribed Burn (Unit 1-3)	1	each	\$ 2,480.00	\$	2,480.00
					\$	
Fall '24	Harley Rake Soil Conditioning (Unit 1)	1	each	\$ 975.00	\$	975.00
					\$	
Late Fall '24	Broadcast Seeding/Orag incorporation (Unit 1)	1	each	\$ 500.00	\$	500.00
					\$	-
Late Fall '24	Native prairie seed mix (mesic to wet) (Unit 1)	2.35	acre	\$ 1,400.00	\$	3,290.00
				Total	\$	8,745.00

The native seed mix I quoted was slightly different from what Elissa had quoted which is why the cost went up. I feel like either mix could do well there but seeing some of the wet loving species during the site visit made me think the wetmesic mix might do better. If you wanted the mesic mix, the cost would be the same as in Elissa's quote.

If you are interested in follow-up maintenance on the prairie during establishment in the first few years, here is an estimate/timeline for those steps as well:

Season	Item and Area	Quantity	Unit	Unit Cost		T	otal Cost
Mid Summer '25	High Mow (8-10") (Unit 1)	1	each	\$	550.00	\$	550.00
						\$	
Late Summer '25	High Mow (8-10") (Unit 1)	1	each	\$	550.00	\$	550.00
						\$	
Fall '25	High Mow (8-10") (Unit 1)	1	each	\$	550.00	s.	550.00
						s.	
Early Summer '26	High Mow (8-10") (Unit 1)	1	each	\$	550.00	\$	550.00
						\$	
Mid Summer '27	Herbicide Spot Treatment/Spot Mow (Unit 1)	1	each	\$	500.00	\$	500.00
			·		The state of the s		·
					Total	\$	2,700.00

Thank you for the opportunity to bid on your project. Let me know if you have any questions after reviewing.

Cheers,

On Mon, Jul 15, 2024 at 5:07 PM Christel Johnson < cmjfl@msn.com> wrote: Thank you Dane!

Sent from my Verizon, Samsung Galaxy smartphone Get Outlook for Android

From: Dane Huinker < thelandstewardsllc@gmail.com >

Sent: Monday, July 15, 2024 2:41:47 PM **To:** Christel Johnson < cmjfl@msn.com>

Subject: Re: Elissa's proposal

Great meeting you as well! Thanks for passing this along. Unless you hear otherwise, I will make sure my proposed activities stay within this calendar year.

On Fri, Jul 12, 2024 at 4:05 PM Christel Johnson < cmjfl@msn.com > wrote:

Hi Dane,

It was great to meet you today and show you around the property!

Here is Elissa's proposal. She DID say that sometimes she is on the low side, sometimes on the high side, so I understand that this is NOT likely to be what the project will cost.

Thanks so much!

Christel

--

Dane Huinker

Owner

The Land Stewards LLC

660 Coulee Trail Hudson, WI 54016 **Phone:** (612) 457-6205

Email: <u>TheLandStewardsLLC@gmail.com</u>

Restore, Enhance & Protect

--

Dane Huinker

Owner

The Land Stewards LLC

660 Coulee Trail Hudson, WI 54016

Phone: (612) 457-6205

Email: <u>TheLandStewardsLLC@gmail.com</u>

Restore, Enhance & Protect



QUOTE PROPOSAL

Address:

To: Christel Johnson Contact: Erin O'Leary

7900 180th St. N. Phone: 612.503.4472

Email: <u>erin@landbridge.eco</u>

Project Name: Johnson Prairie Date: 7/26/24

Project Location: Hugo, MN Quote is valid for 30 days from above date, afterwhich subject to change

tem#	Item Description	Unit	Est Qty	Unit Price	Т	otal Price
	Area 1					
1	Mobilization and Project Management	LS	1.00	\$ 525.00	\$	525.00
2	Site Prep & Weed Management as needed	LS	1.00	\$ 1,005.25	\$	1,005.25
3	Site Prep Rx Burn	LS	1.00	\$ 3,915.00	\$	3,915.00
4	Seed MNL Mesic Prairie Mix	AC	2.35	\$ 630.64	\$	1,482.00
5	Fall Dormant Seeding (Nov 1st to Ground Freeze)	LS	1.00	\$ 980.00	\$	980.00
	Area 2					
6	Site Prep & Weed Management as needed	LS	1.00	\$ 1,005.25	\$	1,005.25
7	Site Prep Rx Burn	LS	1.00	\$ 1,395.00	\$	1,395.00
	Area 3					
8	Site Prep & Weed Management as needed	LS	1.00	\$ 340.25	\$	340.25
9	Site Prep Rx Burn	LS	1.00	\$ 385.00	\$	385.00

TOTAL QUOTE: \$ 11,032.75

NOTES:

Landbridge Ecological is a locally-owned and operated small, Woman-Owned Business Enterprise (WBE) and is certified through the Minnesota Unified Certification Program (MnUCP) and by the Central Certification Program as a DBE- Small and Women Business Enterprise (S/WBE) in Hennepin and Ramsey Counties. Proof of certification is available on request.

Maintenance and Tree/Brush Removal Items may be subject to applicable taxes.

670 Vandalia Street Saint Paul, MN 55114 612.503.4420 www.landbridge.eco



Johnson Conservation Cover Christel Johnson 7900 180th Street N Forest Lake, MN 55025 cmifl@msn.com

Hello Christel Johnson,

Edge Ecosystems LLC (EE) proposes to conduct ecological restoration activities in Areas 1, 2 and 3 in the following ways.

Area 1: EE will conduct a grass selective herbicide spray approximately 2 weeks after the client mows the unit. EE will also do a spot spray of invasive broadleaf species, primarily bird's foot trefoil. A few weeks after the spray, EE will conduct a prescribed burn to remove thatch. EE will then broadcast the recommended seed mix. Recommended broadcast seeding rates are 1.5 times the rate, therefore the estimate includes 3.5 acres worth of seed to account for this.

Area 2: EE proposes to conduct a non-selective herbicide spray to kill all existing plant material. The client will also mow this unit before spraying to reduce herbicide rates and increase kill rate. EE does not propose to burn Area 2 at this time due to the uncertainty of what to do with the area. The dead thatch will be left to decompose throughout the winter.

Area 3: EE proposes to schedule an immediate site visit to mechanically remove invasive species and cautiously spot spray invasive species that are away from high quality native species and bees. EE will also conduct a prescribed burn at the same time as Area 1.

Sincerely,

Sean Wickhem

Owner, Edge Ecosystems LLC



Area 1	Qty	Unit	Unit Cost	Am	ount
Mobilization and Project Management	1	LS	\$ 500.00	\$	500.00
Site Prep & Weed Management as needed	1	LS	\$ 1,245.00	\$	1,245.00
Site prep Rx Burn	1	LS	\$ 2,960.00	\$	2,960.00
Seed MNL Mesic Prairie Mix	2.35	Acres	\$ 1,198.94	\$	2,817.50
Fall Dormant Seeding (Nov 1st to Ground Freeze)	1	LS	\$ 750.00	\$	750.00
			Area 1 Total	\$	8,272.50
Area 2					
Site Prep & Weed Management as needed	1	LS	\$ 1,350.00	\$	1,350.00
Site prep Rx Burn	1	LS	\$ -		
			Area 2 Total	\$	1,350.00
Area 3					
Site Prep & Weed Management as needed	1	LS	\$ 230.00	\$	230.00
Site prep Rx Burn	0.1	Acres	\$ 1,000.00	\$	100.00
			Area 3 Total	\$	330.00
			Subtotal	\$	9,952.50
			Tax (8.375%)	\$	833.52
			Total	\$	10,786.02



Estimate

EST-004779

Prairie Restorations

Tax ID: 41-1292279 31646 128th Street Northwest Princeton, Minnesota 55371

Bill To Johnson, Christel 7900 180th Street N. Forest Lake, MN 55025

Ship To Johnson, Christel 7900 180th Street N.

Forest Lake, MN, 55025

Estimate Date: June 28, 2024

Sales person: Joe Wilberg

Johnson, Christel 2024 Project Name:

Install

Subject:

Site prep, seeding on 1.72 acres--Areas 1, 3 No work in Area 2 proposed

#	Item & Description	Qty	Rate	Amount
Are	a 1 (1.62 acres)			
1	Service Mobilization Service Mobilization	1.00	1,500.00	1,500.00
2	Service Site Preparation Spray 1st Site Preparation Spray	1.00	725.00	725.00
3	Service Site Preparation Spray 2nd Site Preparation Spray	1.00	725.00	725.00
4	Service Site Preparation Spray 3rd Site Preparation Spray	1.00	725.00	725.00
5	Service Site Preparation Burn Site Preparation Burn	1.00	1,420.00	1,420.00
6	Service Seed Area 1 Seed	1.00	1,890.00	1,890.00
7	Service Seeding Area 1 Seeding	1.00	1,200.00	1,200.00
Are	a 3 (0.1 acresassumes work is done in unison with area 1)			
8	Service Site Preparation Spray 1st Site Preparation Spray	1.00	120.00	120.00

#	Item & Description	Qty	Rate	Amount
9	Service Site Preparation Spray 2nd Site Preparation Spray	1.00	120.00	120.00
10	Service Site Preparation Spray 3rd Site Preparation Spray	1.00	120.00	120.00
11	Service Site Preparation Burn Site Preparation Burn	1.00	150.00	150.00
12	Service Seed Service Seed	1.00	100.00	100.00
13	Service Seeding Service Seeding	1.00	120.00	120.00
		Sı	ub Total	8,915.00
			Total	\$8,915.00

Notes

We appreciate your business!

Date: 6/28/2024

Proposal to Create a Native Landscape at the Johnson Residence, Forest Lake, MN

Prepared for:

Christel Johnson 7900 180th Street, Forest Lake, MN 55025 6561-470-8307 cmifl@msn.com

Prepared by:

Joe Wilberg 651-433-1435 (Scandia office) 763-389-4342 x 509 (office voicemail) jwilberg@prairieresto.com

> Project Area: 1.62 acres north 0.1 acres south



Two Oaks Office
PO Box 95
Scandia MN 55073
www.prairieresto.com

A. Company Background:

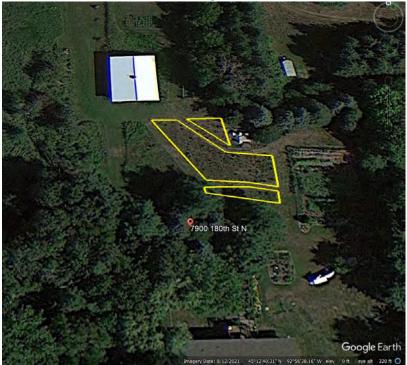
Prairie Restorations, Inc. (PRI) has been dedicated to the restoration and management of native plant communities for more than 45 years. We are fortunate to have worked with thousands of clients on a wide variety of projects in both the public and private sectors throughout the Upper Midwest.

The PRI staff of restoration professionals operate out of five Minnesota locations. As a full-service restoration company, PRI is able to provide our clients expertise and service in all facets of native landscape restoration. Along with consulting, design, installation, and land management services, we also produce our own local eco-type seed and plant materials which are used on all of our projects. The PRI Team is committed to and passionate about protecting and enhancing our valuable natural resources. It is this dedication that is brought to every one of our projects. We are proud to offer the best expertise, services, and products available in the industry and appreciate the opportunity to provide you with this proposal.

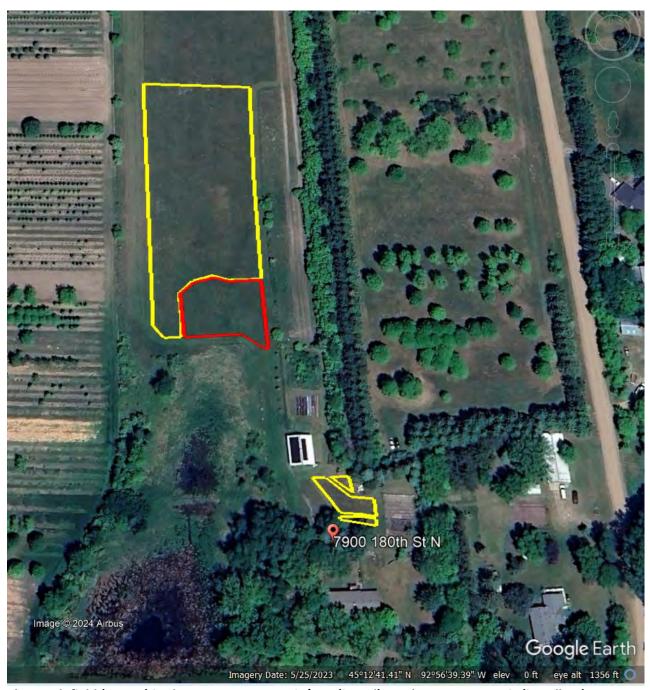
Establishing a native landscape on this property will provide a long term, ecologically sound landscape that is adapted to the existing conditions of the site. This native landscape will not require irrigation, black dirt, or other soil amendments. It will add a distinctive look to the property as well as provide valuable habitat for songbirds, butterflies, bees, and other pollinators.

B. Project Overview:

- 1. The North field (Area 1) will be in CRP for 10 years following seeding.
- 2. The project area will be seeded with native grasses & wildflowers that are adapted to the conditions.
- 3. To establish this planting, the site will be treated with herbicide to kill existing weeds, burned, harrowed, and seeded with native grasses.



Three areas above total about 0.1 acres



The north field (Area 1) is about 0.25 acres mesic/wet (in red), and 1.37 acres mesic (in yellow)

C. Site preparation:

- 1. Spraying in Area 3 and the wet portion of Area 1 will be done as to save as many existing native plants as possible. Some death may be incidental.
- 2. In areas with actively growing vegetation, apply an aquatic-approved glyphosate herbicide (Roundup Custom® or equivalent) and a triclopyr herbicide (Vastlan® or equivalent) with appropriate surfactants, as per manufacturer's directions. Allow a minimum of 25 days before disturbing the vegetation with other procedures.

- 3. Remove the dead vegetation by implementing a prescribed burn using appropriate procedures, equipment and permits.
- 4. Allow the site to green up, followed by a 2nd application of an aquatic-approved glyphosate herbicide (Roundup Custom® or equivalent) and a triclopyr herbicide (Vastlan® or equivalent) as per manufacturer's directions. Allow a minimum of 25 days before disturbing the vegetation with other procedures.
- 5. Allow the site to green up, followed by a 3rd application of an aquatic-approved glyphosate herbicide (Roundup Custom® or equivalent) and a triclopyr herbicide (Vastlan® or equivalent) as per manufacturer's directions. Allow a minimum of 25 days before disturbing the vegetation with other procedures.
- 6. Harrow or rake the soil to create an open seedbed.

D. Seed and Seeding:

- 1. Seeding dates will be in the spring or summer before August or in the fall between September 25th and freeze-up.
- 2. All seed will be applied by broadcasting.
- 3. A harrowing or raking will follow all grass seeding.
- 4. The seed mixes will consist of the following species and amounts (*some substitutions may be necessary depending on inventory at time of ordering seed*):

Grass Seed Ibs / project area

Blue-joint grass (Calamagrostis canadensis) 0.05

Mixed Height Mesic Prairie Grass Mix similar to:

Shoreline Grass Mix similar to:

Note: A cover crop of oats will be sown along with the native grasses at a rate of approximately 15 lbs. per acre. Oats is an annual grass species that germinates quickly and will reduce the risk of soil erosion on the site.

Wildflower Seed oz / project area

Butterfly milkweed (Asclepias tuberosa)	1
Wild indigo (Baptisia alba)	1
Joe-Pye weed (Eutrochium maculatum)	0.2
Giant sunflower (Helianthus giganteus)	0.5
Maxmillian sunflower (Helianthus maxmiliani)	1
Meadow blazing star (Liatris ligulistylis)	1
Mountain mint (Pycnanthemum virginianum)	0.2
New England aster (Symphyotrichum novae-angliae)	1

Mixed Height Mesic Prairie Forb (Wildflower) Mix similar to:

Tall Wet Prairie Forb (Wildflower) Mix similar to:

E. Erosion Control:

1. Cover crop will be sown along with the native grasses.

F. Management:

- Management (maintenance) plays a vital role in the eventual success of any native landscape installation, especially during the establishment period. Active management of your native landscape is highly recommended to give the project the best opportunity for long-term success.
- 2. During the germination year, the project area may need to be mowed to control annual weed development. If a "closed" canopy of weed cover develops, it should be mowed to aid in the growth of the prairie seedlings by reducing competition. Mowing may also be necessary if the weeds are about to set seed. Optimum cutting height, depending on the wildflower species present, is typically 4 to 6 inches. It is important that the clippings are finely mulched in order to prevent smothering. PRI can provide the mowing services if desired.
- 3. In years following the first growing season, Integrated Plant Management (IPM) services are utilized to control annual, biennial, and perennial weed species within the developing native landscape. Typical IPM services include spot herbicide spraying, spot mowing, or hand weeding. These services are billed on a per trip cost agreed upon prior to the growing season.
- 4. Prescribed burning is a highly effective management tool and may be recommended for your project as it matures. Burning stimulates native species to grow more robustly and also help to deter the presence of many non-native and/or woody species. Prescribed burning, when recommended, will be provided as a separate

lump sum cost. Very small sites or gardens may be cost prohibitive for burning.

5. In lieu of burning, or during years when the site is not burned, a Spring Dormant Mowing can be used to "clean up" previous year's growth and set the table for the new growing season. This mowing would occur early in the spring, as soon as conditions permit. Spring Dormant Mowing, when recommended, will be provided as a separate lump sum cost.

G. Anticipated Management:

The following table conveys the anticipated management procedures for your project during the first 3 growing seasons. Estimates for these procedures are provided in the cost section of this proposal.

Year Projected Management Procedures

- 2024 Project Installation
- 2025 Complete site mowings to control annual weed canopy (2 or 3 mowings as needed).Project monitoring
- 2026 Complete site mowing

Integrated Plant Management (IPM) – includes spot spraying, spot mowing, hand weeding, and other techniques to control weeds and invasive species

(2-3 visits are typical) Project monitoring

2027 Integrated Plant Management (IPM)

(2-3 visits are typical) Project monitoring

Spring burn to encourage native plant growth and to help deter the presence of non-native and woody species.

Integrated Plant Management (IPM)

(2-3 visits are typical)

Project monitoring

H. Terms & Conditions-by signing this contract, you agree to the terms and conditions stated below:

Project Cost: The customer agrees to the entire project cost as outlined in **Estimate #** 004779 provided by Prairie Restorations, Inc. The amount detailed in this estimate represents the full and final cost for the project unless adjustments are agreed upon as outlined in the "Price Variance" provision. By signing this agreement, the customer acknowledges and accepts the entire scope and cost of the project as stated in **Estimate #004779**.

Entire Agreement: This agreement represents the entire understanding between the parties and supersedes any previous communication or agreements that may exist.

Acknowledgment of Terms: Each party acknowledges that they have read this agreement, understand the terms of this agreement, and have signed this agreement voluntarily.

Amendment: This agreement can be amended only by written document signed by both parties.

Force Majeure: Prairie Restorations, Inc. shall not be liable for any failure of, or delay in, the performance of this agreement for the period that such failure or delay is beyond the reasonable control of Prairie Restorations, Inc. and could not reasonably have been foreseen or provided against. These occurrences include but are not limited to weather, drought, wildlife, etc.

Governing Law: This agreement shall be governed, construed, and enforced in accordance with the laws of the state of Minnesota.

Waiver: Failure or neglect to enforce any rights under this agreement does not construe an agreement to waive any right in the future. A waiver or extension is only effective if it is in writing and signed by the party granting it. No single or partial exercise of any right or remedy will preclude any other or further exercise of any right or remedy.

Severability: If any part of this agreement is declared unenforceable or invalid, the remainder will continue to be valid and enforceable.

Markings & Flagging: The customer agrees to indemnify Prairie Restorations, Inc. for any damages to property caused by improper or no marking or flagging of necessary areas (i.e. septic tank, gutters, etc.). Customer agrees to mark or flag any and all areas that may be damaged by equipment used by Prairie Restorations, Inc.

Price Variance: Customer agrees that they have fully disclosed the full project scope including but not limited to project dimensions, existing vegetation, history, etc.

- a. If a situation or condition occurs that was not disclosed to Prairie Restorations prior to this agreement, customer understands that this contract will become void, and a new proposal and contract may be written.
- b. The customer shall indemnify and absolve Prairie Restorations, Inc. from any liability arising from property damages due to the customer's omission or failure to provide necessary information.
- c. In some circumstances, conditions may arise that were unforeseeable by both parties, in these circumstances PRI may suggest an adjustment to the project to achieve the most successful outcome. PRI guarantees that adjustments to the project cost for unforeseen conditions will not be made without prior consultation and the consent of the property owner in writing.

Burning Liability Disclaimer: It is the responsibility of the property owner to identify property boundaries, remove items from burn area, visibly mark and notify the crew of any objects in the burn area that need to be protected. Prairie Restorations Inc. will not be held liable for any damage to property that was not marked appropriately.

- Objects should be marked at a height to be seen above vegetation and visible from our equipment.
 - o Potential obstacle/hazard items include but are not limited to:
 - Underground or above ground fencing
 - Electrical boxes
 - Irrigation nozzles
 - Septic caps
 - Drainage culverts
 - Lights or other man made installations
 - Landscaping
 - Garden hoses
 - Decorative rock
 - Ornamental plants
 - Trees and shrubs

- While Prairie Restorations Inc. will make every effort to protect all identified trees and shrubs within and surrounding the burn unit, it may be unavoidable to protect some trees from temporary cosmetic damage. Prairie Restorations Inc. will not replace any trees that have temporary cosmetic damage caused by the prescribed burn.
- Prairie Restorations Inc. will not be responsible for any damage that occurs if the landowner chooses to mow their own burn breaks.

Estimate #004779

By signing this agreement, both parties acknowledge that they have read and understand the terms of this agreement.

Owner (print):	Date:
Signed:	Title:
Project Name: <u>Johnson, Christe</u>	I 2024 Install Contract Value: \$
Contractor: Prairie Restorations	i, Inc.
Signed:	Date:
Joe Wilberg—Project Manager	
Prairie Restorations, Inc.	
PO Box 95	

Scandia MN 55073

A 50% down payment is required at this time. Please return a copy of the signed contract, along with payment for 50% of the total project cost. The remainder of the contract will be billed upon completion.

I. Notes: Please note that this proposal is valid for 1 month (from the date on the proposal). If the proposal is accepted after the 1 month period, PRI reserves the right to modify the proposal based on cost fluctuations and material availability.

Restoration outline prepared by Prairie Restorations, Inc. (PRI), Princeton, Minnesota

Rice Creek Watershed District



Date: August 7th, 2024

To: RCWD Board of Managers

From: Molly Nelson, Outreach and Grants Technician

Subject: RCWD Water Quality Grant Program Application, W24-02 Forest Lake Area

High School Infiltration Basin Restoration and Prairie Conversion- MWS

Partnership

Introduction

W24-02 Forest Lake Area High School Infiltration Basin Restoration and Prairie Conversion in partnership with the Minnesota Water Stewards

Applicant: Forest Lake Area High School

Project Contact: Environmental Programs Teacher, Nathan Barten

Location: 6101 Scandia Trail N, Forest Lake

Total Eligible Project Cost: \$27,585.59

RCWD Grant Recommendation: \$7,500.00 (75%)

Background

This proposed infiltration basin restoration and prairie conversion project was organized in collaboration with Forest Lake High School, RCWD Minnesota Water Stewards (MWS), RCWD staff, and Washington Conservation District staff. As part of the MWS program, candidates are required to complete a capstone project that includes installing a water quality improvement practice and an education and outreach component. Jane Tyler has also committed to assisting in helping high school science club student's plant and maintain the gardens.

The Washington Conservation District (WCD) created a design for the project and provided recommendations that have been included in the design. The project as proposed focuses on Area A, a basin just north of the main entry. The primary goals are to reduce mowing, stabilize slopes, and improve the function of an existing stormwater basin, while creating a place to learn and demonstrate lawn alternatives. This project includes restoring an existing basin and swale, converting turf to prairie, demonstrating low mow lawn and bee lawn. The total Project Area A is 55,000 SF. An existing 14,000 SF existing turf basin treats runoff from 2 acres of an expansive school parking lot and building. Current conditions include 1 acre of surrounding lawn that is heavily managed. An additional turf swale flows directly to a stormwater outlet. Converting these existing structures to native planting will significantly improve the infiltration rates of the soil and reduce pollutants leaving the site and entering Clear Lake. The project area is intended to be highly educational. A dedicated teaching garden will be used for plant identification. Demonstrations include lawn alternatives such as bee lawn, low mow and native plantings. The project will have high visibility and is a great collaboration with the Minnesota Water Steward Program.

The total catchment area for the project is 2 acres. The estimated pollutant reductions for the proposed project are: 5in/year reduction in volume, 81 pounds/year reduction in total suspended solids (TSS), and a 0.5 pounds/ year reduction in total phosphorus (TP). The project location scored a value of 30 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

MEMORANDUM Rice Creek Watershed District



The applicant obtained one bid for the project. Staff carefully reviewed the bid and will proceed with this bid for the project upon approval of the application for cost-share.

Minnesota native Landscapes: \$27,585.59

The project application was discussed at the CAC meeting on August 7th. The CAC was supportive of the project and recommended it as presented. Motion carried 8-0 with one member abstaining from voting due to request for more information on the stormwater drainage route.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$7,500.00 not to exceed 75% of eligible project expenses or \$7,500.00, whichever is less.

Request for Proposed Motion

Manager _____ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant Contract W24-02 of \$7,500.00 not to exceed 75% of eligible project costs or up to \$7,500.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

Water Quality Grant W24-02 application items.

TO: RCWD Advisory Committee

FROM: Lori Tella, Landscape Restoration Specialist

DATE: July, 29th 2024

RE: Forest Lake Highschool Demonstration Projects Cost Share Application

Project:

Forest Lake Highschool Demonstration Project Forest Lake Highschool 6101 Scandia Trail N, Forest Lake, MN 55025

Material & Labor Estimate:

\$15,026.23

Cost Share Request: \$7,500

(Includes: Water Quality Grant: \$7,500 Other Cost Share: Master

Water Stewards: \$6,000)

BACKGROUND

This project was organized in collaboration with Forest Lake High School, RCWD Master Water Stewards (MWS), RCWD staff, and Washington Conservation District staff. RCWD's MWS candidate Jane Tyler, Washington Conservation District, and. As part of the MWS program, candidates are required to complete a capstone project that includes installing a water quality improvement practice and an education and outreach component. Jane Tyler has also committed to assisting in helping high school science club student's plant and maintain the gardens.

Forest Lake Area High School's project proposal includes a series of demonstrations of best management practices. This phase of the project focuses on Area A, a basin just north of the main entry. The primary goals are to reduce mowing, stabilize slopes, and improve the function of and existing stormwater basin, while creating a place to learn and demonstrate lawn alternatives. This project includes restoring an existing basin and swale, converting turf to prairie, demonstrating low mow lawn and bee lawn.

The total Project Area A is 55,000 SF. An existing 14,000 SF existing turf basin treats runoff from 2 acres of an expansive school parking lot and building. Current conditions include 1 acre of surrounding lawn that is heavily managed. An additional turf swale flows directly to a stormwater outlet. Converting these existing structures to native planting will significantly improve the infiltration rates of the soil and reduce pollutants leaving the site and entering Clear Lake.

The project area is intended to be highly educational. A dedicated teaching garden will be used for plant identification. Demonstrations include lawn alternatives such as bee lawn, low mow and native plantings. The project will have high visibility and is a great collaboration with the Mater Water Steward Program.

A recent Minnesota Land classification cover system (MLCCS) and he RCWD habitat corridor assessment map shows core wildlife habitat located north and west of this site. The additional wildlife benefit includes creating stepping stones and additional habitat for this important corridor.

Pollutant Reductions

Currently, 2.5 acres of impervious runoff from the schools parking lot and roof are directed to basins and swales. A portion of the site drains to into an existing grassed swale, and on to Clear Lake. Providing vegetation and storage along the 2,000 sf swale will provide direct benefit to water leaving the site. The bulk of the project proposes converting a 14,000 sf existing catch basin from turf to native plantings. A new acre and lawn alternative demonstration also contributes to load reductions.

While the initial reductions from the basin already exist and are not included in this estimate, the native plantings will greatly improve soil health, reduce pollutants and improve infiltration. The estimated pollutant reductions for turf to prairie for the site are as follows: an estimated reduction of TP loading is 0.5 lb/ year. TSS Load of 81 lb/yr and a runoff reduction of 5 in/yr.

In addition, the proposed project is in a highly visible area at the entry to the high school. There are additional conservation projects envisioned throughout the campus and this will be a great entry point for getting projects on the ground.

Cost Estimate

The attached design and quote is provided for reference. The applicant selected a bid for the project from Minnesota Native Landscapes, totaling \$27,585.59. The school has decided to hold off on planting the native shrubs and trees in favor of voluntary live staking. The education garden will be a phased for the following year. With these changes, the new estimate is \$15,026.23.

Recommendation:

It is my recommendation that this project be awarded the full amount requested, \$7,500.00

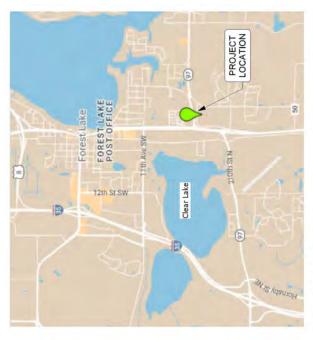
A O B # 0 8 S = 7 TRAFFIC SIGN UNKNOWN MANHOLE SONE BORING WATER MANHOLE WATER METER POSTINDICATOR VALVE WATER VALVE SPOT ELEVATION TRAFFIC SIGNAL BOLLARD FLAG POLE MAILBOX COMPEROUS TREE, DECIDIOUS TREE HYDRANT CURB STOP WATER WELL FLARED END SECTION STORM MANHOLE HRE DEPT, CONNECTION CATCH BASIN Or O 5 0 0 E E 8 0 0 FOUND MONUMENT 1/2" IP MARKED RES XXXXX SET 1/2" IRON 19PE MARKED RES NO. XXXXX CABLE TV PEDESTAL AIR CONDITIONER LIGHT POLE GLY WIRE POWER POLE GAS MANHOLE TELEPHONE PEDESTAL SANITARY CLEANOUT ELECTRIC PEDESTAL ELECTRIC TRANSFORMER ELECTRIC MANHOLE TELEPHONE MANHOLE SANITARY MANHOLE ELECTRIC METER GAS METER Legend

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UNDERGROUND CABLE TV		
UNDERGROUND FIBER OPTIC		
UNDERGROUND TELEPHONE		
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UNDERGROUND GAS		111111
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STORM SEWER		1111111111
BRAINTILE		
WATERMAIN		
WETLAND		
WOODLAND EDGE		munum
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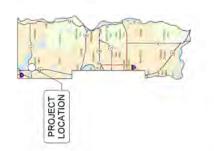
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Forest Lake Area High School

Stormwater Basin Planting and Rain Garden



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BLE	TABLE OF CONTENTS
6100	SHEET INDEX
G101	SEQ AND NOTES
1100	PROJECT OVERVIEW
1101	DEMO PLAN
1102	LAYOUT PLAN
L103	SEEDING PLAN
1104	TREE & SHRUB PLAN
105	SEEDING AND PLANTING NOTES
300	DEMONSTRATION GARDEN
200	STANDARD PLATE - EROSION CONTROL
1501	STANDARD PLATE - TREE PROTECTION
505	STANDARD PLATE - SILT FENCE
009	SITE SEQUENCING
1097	OPTION CATTAIL REMOVAL



NOTE: THE CONTRACTOR SHALL CALL THE GOPHER STATE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.



GENERAL NOTES

specifications herein reference the MNDOT Division II and Division III MNDOT SPECIFICATIONS - All material and construction sections of the 2020 MNDOT Specifications Manual.

RCWD RULES AND STANDARDS - All work must comply with Rice Creek Watershed District rules and standards.

pre-construction meeting. Coordinate inspections prior to planting, at Conservation District (WCD) is providing design assistance for this the project completion and at the end of the implementation period **DESIGNER CONTACT / INSPECTION - The Washington** project. Call Lori Tella @ (651) 315-8964 to schedule a

FIELD VERIFICATION - Base information including existing contours, referenced from others. If conditions are different from those shown on location of property lines, buildings and tree locations have been the plan contact the WCD prior to proceeding.

PERMITS - Contractor is responsible for all permits. The WCD can assist in coordinating with DNR city upon request UTILITIES - It shall be contractor's responsibility to locate any existing utilities located within the project areas. Contractor is responsible for repairs of all damage that may occur to utilities during construction.

remove all excess material, debris, and equipment. Repair all damage SITE CLEANUP - Upon completion of the work, the contractor shall to other work resulting from the Project.

PROJECT BOUNDARIES - The project area must be staked off and marked to keep all construction traffic, equipment, and material stockpiles out of the proposed planting area. SITE RESTORATION (vegetation) - Contractor shall repair damaged areas. Repair of these areas shall be prepared according to MNDOT Spec 2574. Provide borrowed soil MNDOT Spec 3877 or purchased turf and open field areas within the Project area and any Staging compost MNDOT Spec 3890. Turf areas to be repaired shall be seeded with MNDOT seed mixture 25-131 or approved equal.

existing trees, and replacement of damaged existing trees shall be per and property. Trees damaged during construction shall be replaced at TREE PROTECTION AND REPLACEMENT - Protection and care for MNDOT Spec 2572. Perform clearing and grubbing operations in a manner that will not damage or jeopardize the surrounding plant life a ratio of 1:1. Verify with appropriate agency prior to removal.

EROSION AND SEDIMENT CONTROL

EROSION CONTROL REQUIREMENTS - Contractor is responsible for all on-site implementation of erosion and sediment controls in NPDES/SDS Construction Stormwater General Permit. See the compliance with the requirements of the State of Minnesota Minnesota Stormwater Manual for control methods

must be initiated immediately whenever construction has permanently TEMPORARY STABILIZATION - Stabilization of all exposed soils or temporarily ceased for 7 calendar days, including stockpiles. Remove all erosion control measures after the work has been **EROSION CONTROL BLANKET -** Erosion Control Materials must be plastic netting or mesh are allowed. If used, straw mulch must be bio-degradable natural fiber only. No photo-degradable products, certified weed-free. **GRADING** - Contractor responsible for grading and sloping finished grades to provide smooth and continuous slopes. Contact WCD if field adjustments are required.

STATEM	STATEMENT OF ESTIMATED QUANTITIES			
ITEM NO.	ITEM NO. DESCRIPTION	SPEC	UNITS	EST. QTY.
1	MOBILIZATION	2021.501	ST	1
2	CLEARING	2101.505	LS	1
2	EXCAVATION - COMMON	2106.507	Շ	2
3	TEMPORARY SEDIMENT CONTROL	2573.503	H.	800
4	STORM DRAIN INLET PROTECTION	2573.502	EACH	1
2	SOIL BED PREPARATION	2574.505	ΓS	1
9	SEED MIXTURE SPECIAL - PRAIRIE	2575.505	EACH	1
7	SEED MIXTURE SPECIAL - BASIN	2575.505	EACH	1
∞	SEED MIXTURE SPECIAL - LOW MOW LAWN	2575.505	EACH	1
8	SEED MIXTURE SPECIAL - CUSTOM SWALE MIX	2575.505	EACH	1
6	SEED MIXTURE SPECIAL - BEE LAWN	2575.608	EACH	1
10	ROLLED EROSION PREVENTION CATEGORY 30	2575.504	SY	1500
11	TREES #15 CONT.	2571.527	EACH	5
12	TREES #10 CONT.	2571.527	EACH	5
13	TREES #5 CONT.	2571.527	EACH	8
14	SHRUBS #1 CONT.	2571.527	EACH	45
15	PERENNIAL PLUGS	2571.527	EACH	800
16	MULCH TYPE SPECIAL	2575.509	CY	16
17	TEMPORARY HERBIVORE FENCING	2557.603	LS	1

1 Jelen Sin Tells Conservation District 455 Hayward Ave N Oakdale, MN 55128 (651) 330-8220 www.mnwcd.org Washington

3101 Scandia Trail N, Forest Lake, MN 55025 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY WE OR UNDER WY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE SYATE OF MINNESOTA. 7.29.24 Date 7 Reg. No.

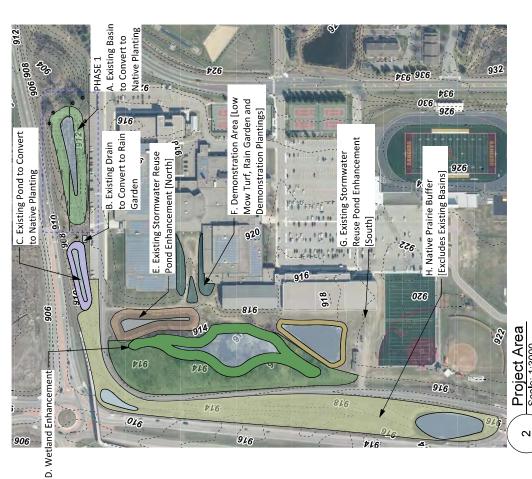
RCWD

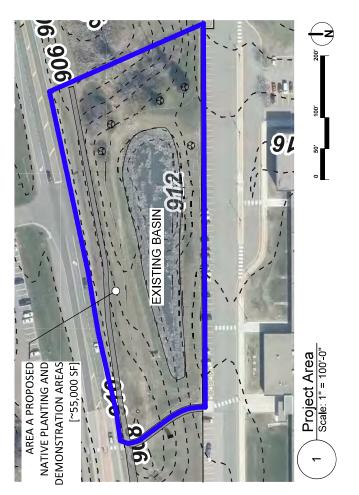
BS Demonstration Projects - Area A SEQ AND GENERAL NOTES

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NW CAMPUS PROJECT OPPORTUNITIES

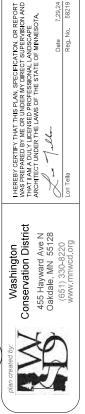




PROJECT OVERVIEW

of the project fopcuses on Area A. The primary goals are to reduce mowing, stabilize slopes, plant identication. New trees and shrubs will provide shading for the parking lot and habitat Forest Lake Area High School would like to create a series of demonstrations of best management practices on the north side of the building, by the main entrance. This phase and improve the function of and existing stormwater basin, while creating a place to learn. demonstrating low mow lawn and bee lawn. A dedicated education are will be used for This project includes restoring an existing basin and swale, converting turf to prairie, for wildlife.

Total Project Area A = 55,000 SF [1,400 SF Swale, 14,000 SF Basin, 22,000 SF Prairie, 2600 SF Education Garden, 1,800 SF Bee Lawn, 13,000 SF No-mow Lawn] Planting Areas are approximate.



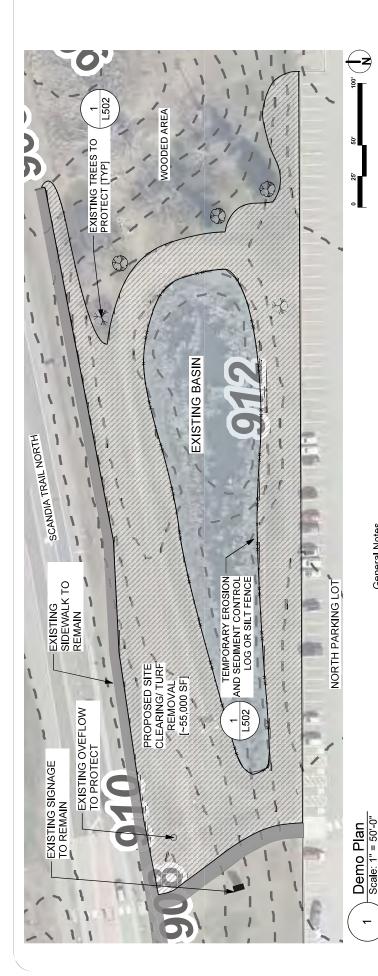
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Date 7 Reg. No.

	Sheet No.		2		2 of 14	5
FLHS AREA A - Plan Set 5.20.24 vvx	Revision	Drawn By	Lori Tella	Checked By	BS	Date 5.15.24
	Demonstration Projects - Area A		Ohazat Titla		PROJECT OVERVIEW	



General Notes

UTILITIES MUST BE CLEARLY MARKED PRIOR TO CONSTRUCTION.
FIELD VERIFY BASE INFORMATION INCLUDING EXISTING CONTOURS, LOCATION OF PROPERTY LINES, BUILDINGS AND TREE LOCATIONS. IF CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THE PLAN CONTACT THE WCD PRIOR TO PROCEEDING. -. ~.

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THE PROJECT AREA MUST BE STAKED OFF AND MARKED TO KEEP ALL CONSTRUCTION TRAFFIC, EQUIPMENT, AND MATERIAL STOCKPILES OUT OF THE PROPOSED PLANTING AREA.
CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION FOR ANY AREAS THAT MAY CAUSE SEDIMENTATION OF STATION OF THE SITE. SEE MNDOT GENERAL CONDITIONS 2573.
PRESERVE ALL EXISTING WOODY VEGETATION AND TREES. PROTECTION AND CARE FOR EXISTING TREES, AND REPLACEMENT OF DAMAGED EXISTING TREES SHALL BE PER MNDOT SPEC 2572. 2

PREPARE THE SITE BY REMOVING EXISTING PLANTS AND LAWN BY SHEET MULCHING, SOD CUTTING, HERBICIDE OR OTHER APPROVED METHOD OF REMOVAL. REMOVE SOD AND REGRADE FOR A SMOOTH SURFACE FREE OF LARGE 9

CLUMPS AND ROCKS. GARDEN AREAS ARE APPROXIMATE. FIELD FIT TO ACCOMMODATE EXISTING CONDITIONS.
SEED BED PREPARATION - MUST BE COMPLETED IN COMPLIANCE WITH MNDOT 2574. CONTRACTOR MUST PREPARE THE SOIL SURFACE TO PROVIDE A SMOOTH, MOIST, AND EVENLY TEXTURED FOUNDATION BEFORE SOWING SEED AND/OR PLACKING PLANTS. LOOSEN THE SOIL TO A DEPTH OF 3" TO ENSURE BEED TO SOIL CONTACT. USE CAUTION AND AVOID OPERATING EQUIPMENT ON WET SOILS OR SU, OPES GREATER THAN 2".1.
DISTURBED AREA SHALL BE SEEDED AND COVERED WITH STRAW MULCH OR AN EROSION CONTROL BLANKET WITHIN 24 7

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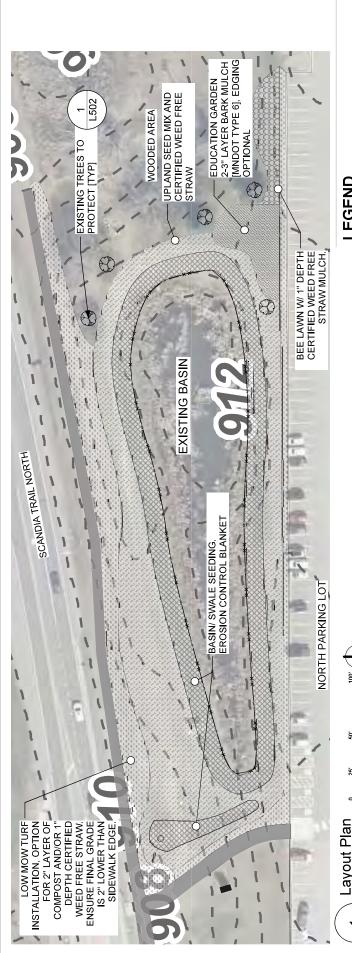


I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER WO INGECT SHERWISON AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. 7.29.24 58219 Date Reg. No.



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FLHS_AREA A - Plan Set 5.20.24.vvx	Revision	Drawn By	Lori Tella	Checked By	BS	Date
Project Title Forcet I also Area High Osbool	Demonstration Projects - Area A		Although Tible	Olloct Line	DEMO PLAN	

Scale	Sheet No.	L101		77	t 2
CAD File Name FLHS AREA A - Plen Set 5.20.24 vvx	Revision	Drawn By Lori Tella	Checked By	BS	Date 5.15.24
Area High School	on Projects - Area A				



LEGEND

Scale: 1" = 50'-0"

BLANKET, [MNDOT CATEGORY 30 OR **BASIN/ SWALE - EROSION CONTROL** APPROVED EQUAL]

~ 15,000 SF / 1,600 SY

NATIVE SEEDING - STRAW MULCH ~ 22,000 / SF

2" DEPTH DOUBLE SHREDDED BARK MULCH **EDUCATION GARDEN**

~2,600 SF

BEE LAWN: 1" DEPTH CERTIFIED WEED FREE STRAW MULCH ~1,800 LOW MOW LAWN: 1" DEPTH CERTIFIED WEED FREE STRAW MULCH. OPTIONAL, AMEND W/ 2" DEPTH COMPOST ~13,000 SF

6101 Scandia Trail N, Forest Lake, MN 55025

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Washington

RCWD

7.29.24 58219

Date 7 Reg. No.

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5.15.24

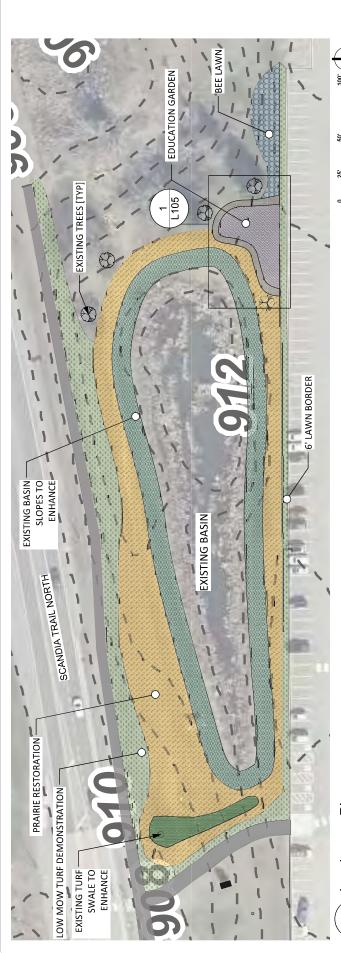
BS

L102

Lori Tella

LAYOUT PLAN

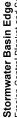
Forest Lake Area High School Demonstration Projects - Area A



Landscape Plan Scale: 1" = 50'-0"

LEGEND

Upland Prairie BufferErosion Control Blanket/ Straw Mulch and Seed Mix
MNL or Prairie Moon Upland Dry Prairie Shortgrass Mix [or
Approved Equal] Seeding Rate: 10-30 lbs per acre



Erosion Control Blanket and Seed Mix Prairie Moon Nursery: Detention Basin Seed Mix [Or Approved Equal] Seeding Rate: 9.57 lbs per acre

Swale PlantingErosion Control Blanket and Custom Swale Seed Mix or Prairie Restorations 2024 Short Prairie Grass Mix [Or Approved Equal] Seeding Rate: 7 lbs per acre

Education Garden Mulched Landscape Beds, See Planting Plan

Low- Mow Lawn Demonstration Prairie Nursery No Mow Lawn Seed Mix, [Or Approved Equal] Seeding Rate: 7 Lbs per 1000 sq ft

Anemone canadensis (Canada anemone)

Flowers

SWALE PLANTING CUSTOM SEED MIX - Custom Mix. Supplement seeded area with plugs. *MEDIUM to DRY; SUN to PART SHADE; SANDY Seeding Rate: 7 pls/lbs./ac.*

Asclepias incarnata (Swamp milkweed)

Carex lupulina (Common Hop Sedge)

Carex vulpinoidea (Fox Sedge) Carex stricta (Tussock Sedge)

Sedges/ Rushes

Carex hystericina (Porcupine Sedge)

Juncus tenuis (Path Rush)

Zizia aurea (Golden Alexanders) Mimulus ringens (Monkey Flower)

Liatris pycnostachya(Prairie Blazing Star)

Wildflowers, 5% each / 25% total mix

Sedge/Rushes, 15% each / 75% total mix

Bee-Lawn DemonstrationTwin City Seeds Bee Lawn Seed Mix [Or Approved Equal]
Seeding Rate: 5 lbs/1000 sqft.

FLHS AREA A - Plan Set 5:20:24 vvv

Forest Lake Area High School Demonstration Projects - Area A

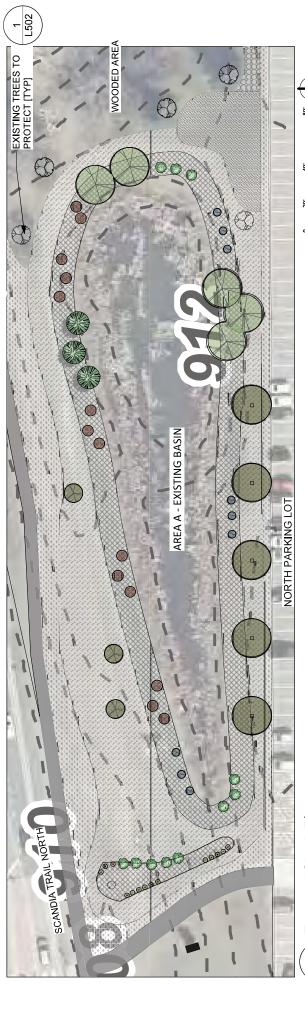
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Revision	Drawn By Lori Tella	Checked By	BS	Date 5.15.24

Conservation District 455 Hayward Ave N Oakdale, MN 55128 (651) 330-8220 www.mnwcd.org Washington

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RCWD

6101 Scandia Trail N, Forest Lake, MN 55025



Tree and Shrub Plan Scale: 1" = 40'-0"

PLAN.	T SC	PLANT SCHEDULE					
SYMBOL	OTY.	NAME/ SPECIES_	SIZE	SYMBOL GTY.	OIY.	NAME/ SPECIES_	SIZE
	75	Red Maple Acer rubrum	#15 cont.	•	٥	Arrowwood Viburnum Viburnum rafinesquianum	#1 cont.
	м	American Plum Prunus americana	#5 cont.	•	4	Red Iwig Dogwood Cornus sericea	#1 cont.
	ო	Iamarack Larix laricina	#10 cont.		=	Black Chokeberry Aronia melanocarpa	#1 cont.
X	ĸ	River birch Betula niara	#10 cont.	•	4	Dwart Bush Honeysuckle Diervilla lonicera	#1 cont.
)		TOTAL 1	rrees A	TOTAL TREES AND SHRUBS: 64	

General Notes
1. HERBIVORE PROTECTION IS RECOMMENDED FOR TREES
AND SHARUBS. OPTIONS INCLUDE TEMPORARY FENCING OR
CORRUGATED BARK GUARDS.
2. CONTRACTOR SHALL PROVIDE A MIN 1 YEAR WARRANTY
FOR PLANTINGS. SEE SPECIFICATIONS.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER WY O'RECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA. Washington Conservation District 455 Hayward Ave N Oakdale, MN 55128 (651) 330-8220 www.mnwcd.org

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Watershed District	ш	ii.
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7.29.24 58219 Date 7

6101 Scandia Trail N, Forest Lake, MN 55025

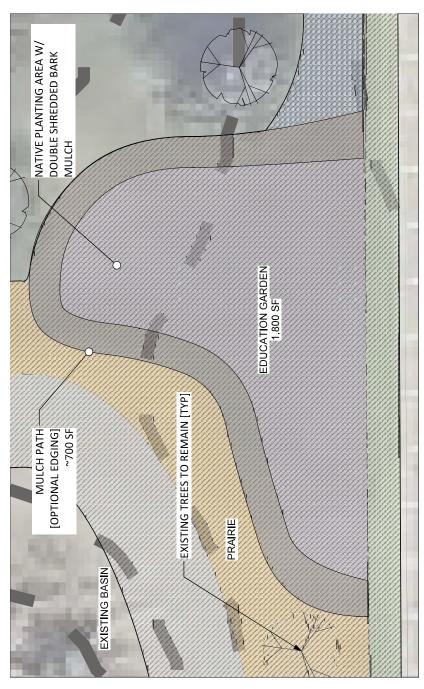
Project Title Forest Lake Area High School	CAD File Name FLHS_AREAA_Plan Set 5:20:24:vxx	Scale
Demonstration Projects - Area A	Kevision	Sheet No
	Drawn Rv	
Altim scool o	Lori Tella	
	Checked By	
TREE & SHRUB PLAN	BS	
	Date	

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PLANT SCHEDULE

Education Garden

NAME / SPECIES QIY.

- Blue Grama (Bouteloua gracilis) Little Bluestem (Schizachyrium scoparium) Side-oats Grama (Bouteloua curtipendula)
 - Prairie Dropseed (Sporobolus heterolepis) Big Bluestem (Andropogon gerardii
 - Eastern Star Sedge *(Carex radiata)* Plains Oval Sedge (Carex brevior)
- Fox Sedge (Carex vulpinoidea) Sprengel's Sedge (Carex sprengelii)
 - Indian Grass (Sorghastrum nutans) Switchgrass (Panicum virgatum)
- Butterfly Milkweed (Asclepias tuberosa) Leadplant (Amorpha canescens) Prairie Onion (Allium stellatum)
- Sky-blue Aster (Symphyotrichum oolentangiense) Cream Wild Indigo (Baptisia bracteata) Heart-leaved Golden Alexanders (Zizia aptera)
- Large-flowered Penstemon (Penstemon grandiflorus) Fragrant Giant Hyssop (Agastache foeniculum) Dotted Blazing Star (Liatris punctata)
 - Narrow-leaved Coneflower (Echinacea angustifolia)

TOTAL PLANTS ~800 Plugs @ 18" O.C., 1,800 SF

Substitutions must be approved by the WCD or Watershed District. *NOTE: Plant quantities are estimates.

- General Notes 1. LANDSCAPE BEDS SHALL RECEIVE A MIN 2" DEPTH LAYER OF WEED-FREE BARK MULCH.
- INSTALL EDGING ALONG PATH [OPTIONAL] MIN 5" DEEP. PLANT QUANTITIES ARE APPROXIMATE AND SHALL BE ADJUSTED AS REQUIRED FOR FIELD CONDITIONS. GROUP LIKE SPECIES IN NATURALISTIC PLANTING PATTERNS IN DRIFTS OF 3. 5 AND 7. OR PLANTS MAY BE MASSED IN LARGER SWATHS ACROSS THE GARDEN.
 - 5 4

Education Garden

Scale: 1" = 10'-0'

- PLANTING AREAS SHALL BE WATERED AT A MINIMUM RATE OF 1" PER WEEK UNTIL ESTABLISHED.
 REGULAR WEEDING IS CRITICAL FOR SUCCESS.
 WEEDING WILL BE REQUIRED MORE IN THE BEGINNING AND LESS OFTEN AS THE GARDEN MATURES.
 THE LANDOWNER AND CONTRACTOR ARE ö
 - RESPONSIBLE FOR PERMITS AND AGREEMENTS.
 CONTRACTOR SHALL PROVIDE A MIN 1-YEAR
 WARRANTY AND ENSURE 70% COVERAGE OF THE
 GARDEN AREA IS ACHIEVED WITHIN 1 YEAR OF
 PLANTING.



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6101 Scandia Trail N, Forest Lake, MN 55025

EDUCATION GARDEN PLANTING PLAN Forest Lake Area High School Demonstration Projects - Area A

CAD File Name FLHS_AREA A - Plen Set 5:20:24-vex	Scale
Revision	Sheet No.
	107
Drawn By Lori Tella	L105
Checked By	
BS	9 04 11
Date	

SEEDING AND PLANTING

PLANTS - All plant material must be the size, genus and species listed per plan. Contact the WCD to approve any substitutions.

and/or placing plants. Loosen the soil to a depth of 3" to ensure good SEED BED PREPARATION - must be completed in compliance with MnDOT 2574. Contractor must prepare the soil surface to provide a seed to soil contact. Use caution and avoid operating equipment on smooth, moist, and evenly textured foundation before sowing seed wet soils or slopes greater than 2:1.

MnDOT 2574. Contractor must scarify existing soil to break compacted PLANT BED PREPARATION - Must be completed in compliance with areas and allow for effective infiltration of water. The Contractor must prepare the soil surface to provide a smooth, moist, and evenly extured foundation before planting.

must be completely buried in growing media to the base of the plant as PLANT INSTALLATION - Each specimen must have root mass gently t sits in the nursery container. Roots of each plant shall be completely pulled apart prior to placement in the planting bed. All plant material surrounded by soil, not mulch.

SOIL AMENDMENTS - Soil amendments such as biochar and MnDot Grade 2 compost may be applied in upland areas as based on soil conditions after sod removal. FERTILIZER - Fertilizers or chemical treatments are notrecommended

straw mulch within 24 hours of seeding. EC Blanket shall be all natural materials, MnDot Category 30 or approved equal. Photo-degradable seeded areas with an erosion control blanket or certified weed-free SEED ESTABLISHMENT AND EROSION CONTROL - Stabilize material is not permitted

HERBIVORE PROTECTION - Tree guards and/ or protection fencing are recommended for new trees, shrubs and plantings.

RESTORATION - Repair turf areas outside of the project areas that are disturbed with MN DOT 25-131 Low Maintenance Turf or approved

GRADE- All new planting areas along paved surfaces shall be graded to allow for 1.5-2" below the surface of the pavement. WATER - Irrigate turf regularly for a minimum of 30 days to ensure establishment of permanent vegetation. Once established, the grass should be watered during dry periods.

BEE LAWN NOTES

SEEDING: Remove existing grass and prepare the bed for seeding. Aeration is recommended. A 2" layer of weed-free compost can be applied to improve the soil structure. Follow manufacture's nstructions for maintenance and establishment.

recommendations for establishment and maintenance. Once mature MAINTENANCE - Implement a light and frequent watering program after seeding. If the lawn is established in the fall watering requirements will be minimal. Refer to the manufacture's et the bee lawn grow to 6" and cutting back to 4".

LOW MOW TURE

with MnDOT 2574. Maintain a minimum 6' wide border of low-mow urf around the edges of the project to allow for mowing equipment. SEED BED PREPARATION - must be completed in compliance

SEEDING - Site Prep and Broadcast Seeding: The best time to plant inch of soil. Press the seed into the soil with a roller, cultipacker or equal. Mulch the area with a light covering of weed-free straw mulch No Mow Lawn Seed Mix is between August 20 and October 20. Fall prepare the bed for seeding. Seeding requires a tilled seed bed free of rocks or clumps. Broadcast the seed and cover with one eighth seeding is strongly recommended. Remove existing grass and or erosion control blanket.

seeding rate using this method should be increased to 10 - 11 lbs. HYROSEEDING - The low-mow mix can be successfully seeded hydromulch, onto the prepared seedbed in a single pass. The using a hydro-seeder if desired. Mix the seed with water and per 1000 sq ft. Follow manufacture's recommendations.

No Mow Lawn can be treated with the weed control and lawn care closer than 3.5 inches to avoid weakening the turf.. If desired, the products that are labeled for use on fine fescue grasses. Always follow the directions when using herbicides and other lawn care MAINTENANCE - Once mature let the lawn grow. Do not mow products.

during the first four to six weeks after planting. Lawn should receive 2" water per week during establishment. Once established, the Seeds should be watered every other morning for 15 to 30 minutes grass should be watered during dry periods using deep soakings WATERING - No Mow for the first two months after seeding. encourages deep root growth.

TREES AND SHRUBS

sits in the nursery container. Sub-grade at the base of each tree and shrub shall be removed to a width of twice (2x) the existing radius of root mass for each nursery specimen. Root mass of each specimen must be gently pulled apart prior to placement. Roots of each plant grade. Mulch may be added around the tree to cover disturbed soil. with MnDOT 2575. Contractor must remove soil sufficient for the placement of tree and shrub material to the base of the plant as it should be surrounded by soil, not mulch. Area around the base of TREE & SHRUB PLANTING - Must be completed in compliance shrub shall be scarified to a depth of one (1) foot prior to proper each tree and shrub shall be backfilled with native soils to meet placement of plant. The area around the base of each tree and

IMPLEMENTATION MAINTENANCE

through the first growing season. The first growing season shall refer to the end of installation through the end of Autumn if planted in the IMPLEMENTATION PERIOD - The implementation period shall be spring. If the area is planted in the fall the establishment period will the period of time immediately following completion of installation be through the next year's growing season to Autumn.

the Project throughout the implementation period to ensure healthy, growing plants. The frequency of visits shall be a minimum of three Establishment period includes weeding and plant replacement for occurrences annually to ensure proper weeding and watering. If following the implementation period the WCD must approve of establishment responsibility is transferred to property owners IMPLEMENTATION/ ESTABLISHMENT - Implementation/ transfer after a final inspection.

WARRANTY - Contractor shall warranty plants for a minimum of 1 planting area within one year. Plants that are found to be dead, or not achieving normal growth shall be replaced at the contractor's expense. A close out inspection to verify coverage is required. year. Contractor shall ensure a minimum of 70% coverage of

watering standards immediately following the completion of planting WATERING - Contractor is responsible for the following minimum throughout the implementation period:

- 1) Apply water as needed in combination with rainfall to achieve the following: a. Minimum rate: 1 inch per week. b. Maximum interval
 - between watering: 72 hours.
- 2) During extreme heat or drought periods, increase watering to c. Minimum application per watering: 0.25 inch.
- maintain moist soil to a depth of 4 inches.
- 3) Maintain adequate soil moisture in the upper 12-inches of soil for a minimum of 4 weeks after planting.

FLHS AREA A Plan Set 5 20 24 vvv

Conservation District 455 Hayward Ave N Oakdale, MN 55128 (651) 330-8220 www.mnwcd.org **Nashington**

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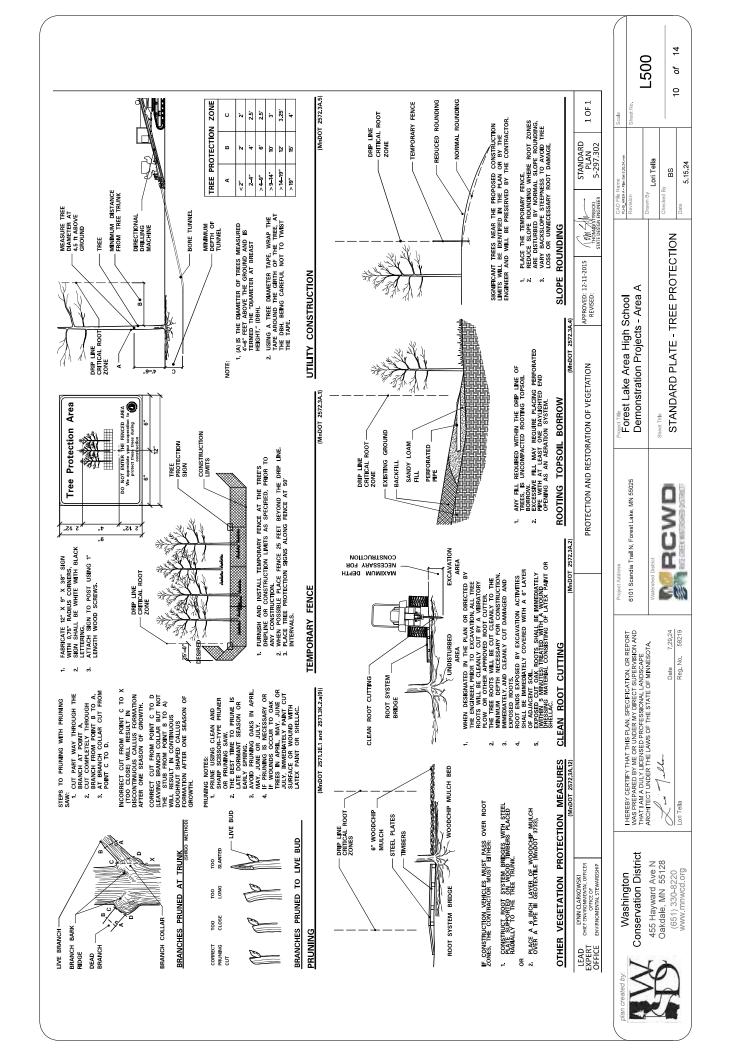
Lori Tella 5.15.24 BS SEEDING AND PLANTING NOTES Porest Lake Area High School
Demonstration Projects - Area A

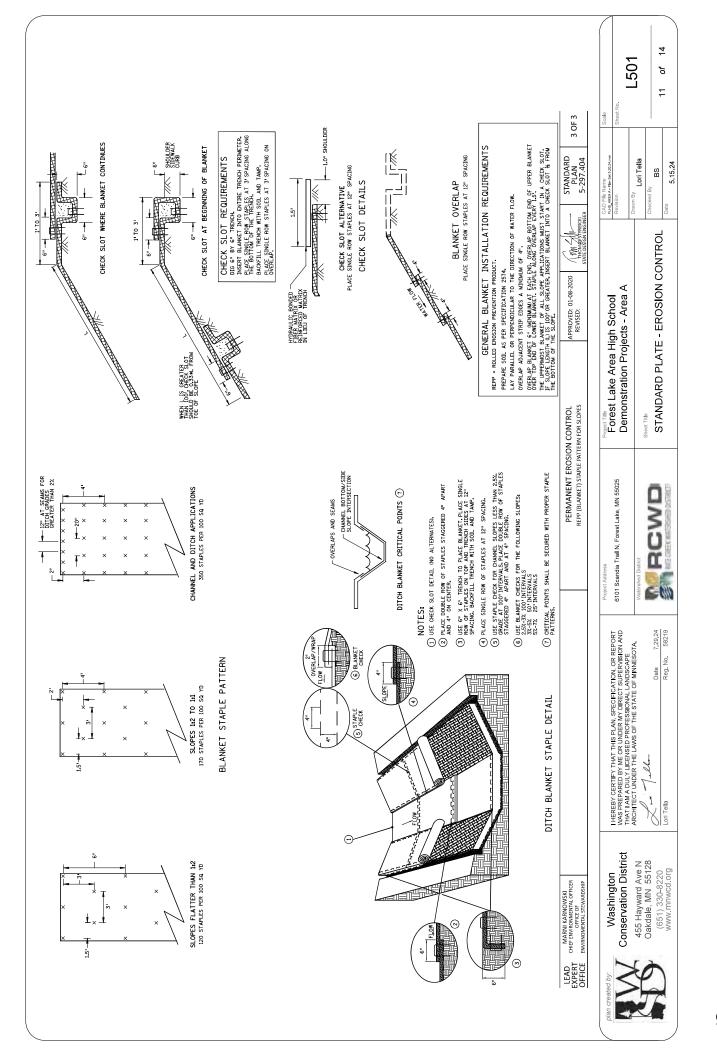
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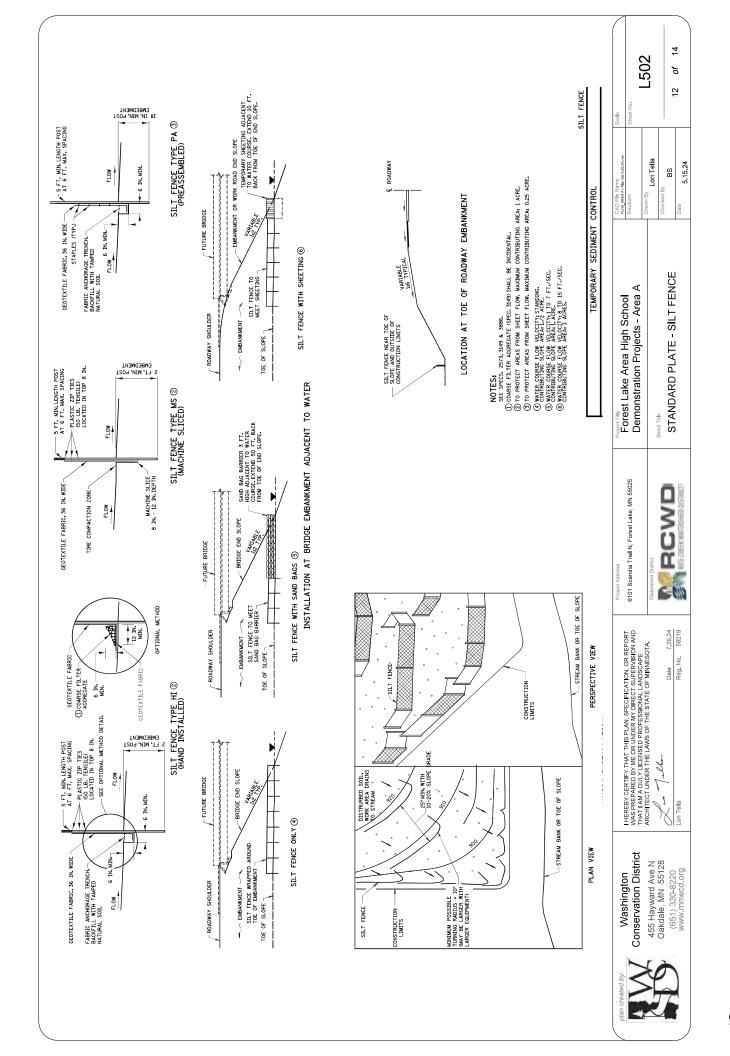
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Site Sequencing and Planting ACTIVITY BERMON Site Prep Site for Seeding Prepare Fremove Seed and Stabilize Foorun Foorun Frenchancing with Plugs, Trees Control Foorun Frenchancing with Plugs, Trees Control Foorun Frenchancing with Plugs, Trees Foorun	PESCRIPTION Remove lawn and weed. Options include sheet mulching, sod kicker, or herbicide. Ensure Erosion and Sediment Controls, Permits and utilities are marked and Prepare the area for seed per specifications. In the Fall, or late spring, after the grass is dead and removed, sow seed mix as per the instructions provided by your native seed supplier. Press seed firmly into the ground to ensure adequate seed-to-soil contact. Add in optional Erosion Control Blanket per plan. Native trees can be installed by cutting slits in the erosion control blanket, or planting directly into the soil. Plants
and Shrubs Water	should be spacedper plan. Re-seed any areas where the soil has been disturbed. Water 1" per week for the first growing season. Continue watering during times of drought.
Maintenance	Seasonal mowing, weeding and watering is required. See specifications for more information.

NOTE: THESE ARE RECOMMENDED SITE SEQUENCING STEPS.
THE CONTRACTOR MAY DETERMINE A DIFFERENT SCHEDULE AS LONG AS THE FINAL COVER REQUIREMENT IS MET.

NATIVE PLANTING NOTES:

or converting cattail areas into native plantings, removing cattails and implementing a seed mix and planting plugs is the suggested approach.

minimum of 14 days prior to planting. 2-4 weeks after successful herbicide application, prepare the seed Site Prep: It is important to achieve adequate weed control prior to planting. If using chemicals, wait a bed by removing excess thatch or dead vegetation. This can be done mechanically by mowing and/or using a hard-tined rake, mower, or power rake.

instructions provided by your native seed supplier. Hand-broadcast seed as evenly as possible across the installing seed mixes. Biologs should be installed where needed to stabilize the shore. Seeded areas may each area to help insure even distribution, with the second broadcast perpendicular to the first route of firmly into ground to ensure adequate seed-to-soil contact. The seeded area shall be hand--raked to the seeding. Hand broadcast seed mix over prepped area. Rake again (with hard-tined rake) and press seed entire site at the recommended rate (typically listed on the seed tag). To do this, broadcast twice over extent necessary to cover the majority of the seed with 1/8" to 1/4" of soil. Press seed firmly into the ground to ensure adequate seed-to-soil contact. Install erosion control blanket after seeding within 7 Seeding and Stabilization: In the Fall, or late spring, after the grass is dead, sow seed mix as per the days of soil disturbance. Refer to the recommendations of your seed supplier for best results when be covered with an erosion control blanket. If used, erosion control blanket shall be a all natural materials (no photodegradable products are allowed).

Planting Plugs: Supplemental planting of the seeded area to help facilitate successful establishment and foot. However, when supplementing a seed mix with plugs, 1 plant per every 18" to 2' will work. Trees provide competition for the cattails. Suggested spacing for native plant species is 1 plant per square and shrubs can be planted before after seeding. If planted after, reapply seed to disturbed areas. Continue to add plugs to fill all bare ground. Natering: Water 1" per week unless it rains this amount. After the first few weeks transition from daily watering to watering deeply once a week to encourage root growth. This should be completed for a minimum of 4 weeks and during times of drought. throughout the first and second growing seasons. Once established, short periods of drought can often be beneficial to plantings and reduce weed pressure. Maintenance: Prairie areas should be weeded or mown a minimum of 2-3 times in the first two growing remove problematic species before they set seed -- again, always referring to the product label. Contact seasons to reduce weed pressure and facilitate native plant establishment. Spot Treat or manually WCD for removal methods to ensure proper removal techniques. Manual removal is not always ecommended. Dead stems may remain standing through the fall to provide pollinator habitat.



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3101 Scandia Trail N, Forest Lake, MN 55025

Forest Lake Area High School Demonstration Projects - Area A SITE SEQUENCING

Lori Tella 5.15.24 BS

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Site Prep and I	Site Prep and Maintenance Schedule	edule
TIMING	ACTIVITY	DESCRIPTION
	Remove Cattails	Mechanically cut cattail stems in winter (over ice), or in early spring or the fall, and allow the natural food levels to submerge and suffocate the roots.
	Remove Thatch and Plant	Carefully scrape (or mechanically rake) cattail stands and remove scraped material to reduce thatch layer. Scraping should not cause any soil disturbance. Install plants and seed per plan.
Year 1	Watering	Ensure planting areas recieve 1" of water per week. Water more frequently during the first 4 weeks (every day if posssible). Transion to deeper weekly waterings throughout the growing season (May to October)
	Monitor	Monitor for weed and erosion problems, especially Reed Canary Grass and Canada Thistle.
	Weeding	Spot Treat or manually remove problematic species before they set seed. Contact WCD for removal methods to ensure proper removal techniques. Dead stems may remain standing through the fall to provide pollinator habitat.
	Mowing/ Cutting	Continue to cut back cattails. In upland areas mowing to 6-8 inches twice, one time around June 15th and once around July 30th or mid-August, before weeds set to seed can provide control.
Year 2	Water	Watering is less in year 2. Watch for signs of stress and continue to water 1" a week during times of drought.
	Monitor	Monitor for weed and erosion problems, especially Reed Canary Grass and Canada Thistle. Note native plants as they bloom.
	Weeding	Spot treat or manually remove problematic species before they set seed. Contact WCD for removal methods
Year 3	Mowing or Burning	Rotation between prescribed burns and cutting is ideal. Check local regulations and procedures. If burning is not an option, one cutting per year can be used to clean-up vegetation in early May or late November. It is helpful to mulch or rake away the dead plant material.

CONVERTING CATTAILS TO NATIVE SHORELINE - SITE PREP AND MAINTENANCE:

For converting cattail areas into native plantings, removing cattails and monitoring for weeds is essential to the long-term success of the project.

can still achieve control if the water level is maintained through much of the growing season. In areas winter (over ice), or in early spring, and allowing natural spring food levels to submerge and suffocate oxygen are cut. Prolonged inundation is needed for sufficient control. If shoots or cuttings penetrate ideally, cut stems should be inundated by about 3-feet of water after snowmelt, but lesser amounts with less cattails, or in subsequent years, mechanically cutting cattail stems below the water during the growing season can maintain control. Pulling can also be used to control cattails but this is most Mechanical Control: Initial control of cattails can be achieved by mechanically cutting of stems in the water surface, they can still supply air to the root system and the plant will continue to grow. the cuts. Cut stems as low as possible, and to ensure that even dead stems that could transport effective when cattail are very young and root systems are not well developed.

other species in wetlands. Methods to remove the thatch, as well as rhizomes through scraping and cattail stands and remove scraped material. After the number of cattails are reduced, maintain the Narrow-leaf and hybrid cattail can form as dense thatch layer that promotes their dominance over when rhizomes are removed along with the thatch layer. To do this, scrape (or mechanically rake) raking of the wetland surface can be helpful in achieving control. This approach is most effective site by hand pull cattails, using caution not to disturbed newly established native vegetation.

Use of an aquatically certified Glyphosate or Imazapyr herbicide is most common, and permits may be Chemical Control: Herbicides are typically used for cattails only when other options are not available. required. Wick, boom, or spray application of Glyphosate to the foliage during the late summer/early surfactant or Imazapyr at label rates. As the number of cattails are reduced, spot-spraying the young fall have been effective. Annual or biennially repeated applications will likely be necessary. As with any non-selective herbicide, care must be taken not to spray non-target species. Use of wick type applicator to treat stems. 2-4% qts of aquatically certified Glyphosate with label recommended cattail will provide control. If using herbicides, always refer to the product label before mixing, handling, or applying the product. THE LABEL IS THE LAW! In general, herbicide application is best done in spring prior to flowering and early fall before dormancy. Look for a Glyphosate product rated for aquatic use (e.g. Rodeo).

This information has been adapted from the following sources:

Aquatic Safe Herbicides List from MNDNR.

https://files.dnr.state.mn.us/fish_wildlife/fisheries/apm/pests.pdf.

https://bwsr.state.mn.us/sites/default/files/2019-01/Appendix%205B-done.pdf Board of Water and Soil Resources Invasive Species Management Guide:

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FLHS AREAA - Plan Set 5 20:24 vv Lori Tella 5.15.24 BS Forest Lake Area High School Demonstration Projects - Area A OPTION: CATTAIL REMOVAL

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Cost Estimate

RICE CREEK WATERSHED DISTRICT

RCWD Cost-Share

Landowner: Forest Lake Area High School

Project Address: 6101 Scandia Trail N, Forest Lake, MN 55025

or agreement to preform work.

5/20/2024



4325 Pheasant Ridge Dr. NE #611 Blaine, MN 55449 phone: 651.714.3729

Contingency 15%

Project Estimate

3/20/2024							
Job Description	Cost Summary						
Native Planting for Forest Lake Highschool.Total Project 55,000 SF [1,400 SF Swale, 14,000 SF Basin, 22,000 SF Prairie, 2600 SF Education Garden, 1,800 SF Bee Lawn, 13,000 SF No-mow Lawn] Planting Areas are approximate.	Project Cost = Cost Share =	\$ 29,365.2 TBD	25	Phosphorus TP=		uction (lbs./yr.))	
Job	Estimate						
Native Seeding [1.5 AC]	Qty	Unit		Unit Cost		Amount	
Project management and Mobilization	1	LS	\$	1,500.00	\$	1,500.00	
Silt Fence/ Sediment Control Log Type Straw	800	LF	\$	3.00	\$	2,400.00	
Site Preparation- Herbicide Application or Tilling	1	LS	\$	1,000.00	\$	1,000.00	
Excavation and Edging	1	LS	\$	1,000.00	\$	1,000.00	
Seed Mix Upland -20,000	1	EA	\$	600.00	\$	600.00	
Seed Mix Basin- 14,000	1	EA	\$	400.00	\$	400.00	
Seed Mix Turf Alternative - 13,000	1	EA	\$	400.00	\$	400.00	
Seed Mix- Swale -1,200	1	EA	\$	125.00	\$	125.00	
Seed Mix- Bee Lawn- 1,800	1	EA	\$	125.00	\$	125.00	
Erosion Control Blanket [cat 30, all natural materials]	15	EA	\$	200.00	\$	3,000.00	
Seeding and Straw Mulch	1.5	AC	\$	2,600.00	\$	3,900.00	
				ng Subtotal	\$	14,450.00	
Trees and Shrubs	Qty	Unit		Unit Cost		Amount	
Site Preparation	1	LS	\$	1,000.00	\$	1,000.00	
Native Trees #15	5	EA	\$	175.00	\$	875.00	
Native Trees #10	8	EA	\$	125.00	\$	1,000.00	
Native Trees #5	3	EA	\$	50.00	\$	150.00	
Native Shrubs #1	48	EA	\$	15.00	\$	720.00	
			Trees	and Shrubs	\$	3,745.00	
Education Garden	Qty	Unit		Unit Cost		Amount	
Site Preparation/ Labor	1	LS	\$	1,500.00	\$	1,500.00	
Native Plugs	800	EA	\$	4.00	\$	3,200.00	
Edging [optional]	250	LF	\$	5.00	\$	1,250.00	
Mulch Landscape Bed	16	CY	\$	40.00	\$	640.00	
		Education	า Gard	en Subtotal	\$	6,590.00	
<u>Maintenance</u>							
Year 1 - Prairie Burn/ Mow or Weeding	1	LS	\$		\$	750.00	
ADDITIONAL NOTES						JBTOTALS	
This estimate is preliminary and does not constitute a grant award			•	ct Sub-total		25,535.00	
This commute is premimary and does not constitute a grant award			Contir	ngency 15%	\$	3,830.25	

Cost Share estimate available		Cost-Sha	Cost-Share TBD				
RCWD Cost-Share							
Summary	Project Cost	Phosphorus Removed	Cost Share Grant				
RCWD Cost-Share	\$29,365.25	TP= 0.30	TBD				

3,830.25

29,365.25

Quotation

Forest Lake Area Schools

6101 Scandia Trail N Forest Lake, MN 55025 Nathan Barten 651-504-4758 nbarten@flaschools.org

Project Notes:

Pricing does not include prevailing wage rates.



MNL 8740 77th St NE Otsego, MN 55362 763.295.0010 estimating@mnlcorp.com https://mnlcorp.com/ Shop Native Seed & Plants

Women Owned Business

Project Name: Forest Lake High School Basin Restorations

Grand Total

Project Location: Forest Lake, MN

Category	Description	Qty.	Unit	U	nit Price	Total
Site Preparation	Herbicide treatment of proposed site clearing area	2 L	.S	\$	963.86	\$ 1,927.72
Erosion Control	Installation of 175 LF of temporary bio-log around pond perimeter. Install inlet protection.	190 L	in. Ft.	\$	5.25	\$ 997.50
Site Preparation	Tillage of dead vegetation to break roots and expose soil	1.3 A	Acres	\$	834.37	\$ 1,084.61
Seed Installation	Basin/Swale Seeding and Erosion Control Blanket	15,000 S	Sq. Ft.	\$	0.31	\$ 4,650.00
Seed Installation	Native Seeding and Straw Mulch	22,000 S	Sq. Ft.	\$	0.11	\$ 2,420.00
Seed Installation	Bee Lawn Seeding and Straw Mulch	1,800 S	Sq. Ft.	\$	0.71	\$ 1,278.00
Seed Installation	Low Mow Lawn Seeding and Straw Mulch (includes compost amendment).	13,000 S	Sq. Ft.	\$	0.19	\$ 2,470.00
Live Plant Installation	Education Garden Mulching and Installation of 516 XL plugs (includes mulch for path)	516 E	Each	\$	4.96	\$ 2,559.36
Live Plant Installation	Installation of trees and shrubs per provided planting plan	64 E	ach	\$	159.35	\$ 10,198.40

Pricing assumes the project area is as shown on the attached map/plan.	
Pricing based upon plans, designs, &/or specs. provided to MNL by others.	
MNL is not liable for project delays due to situations beyond our control.	
Pricing assumes access and parking for crew and equipment.	Pricing good for: 30 Days
Pricing does not include any permits.	Terms: 30 Days Net Invoice
Pricing does not include any applicable sales tax.	
Accepted by:	Provided by:
	Charlie Sawdey
Date:	Date: 6/24/2024

Heal the Earth

27,585.59

Public Hearing: Proposed 2025 Budget & Levy, and Water Management District (WMD) Charges



St. Paul Pioneer Press newspaper July 31, 2024, and August 7, 2024

White Bear Press newspaper July 31, 2024

Quad Community Press on July 30, 2024

Shoreview Press on July 30, 2024

The Citizen on July 25, 2024

The Life newspaper Blaine/SLP/Columbia Hts/Fridley August 2, 2024

Forest Lake Times newspaper August 1, 2024

Finance and Commerce Newspaper July 30, 2024

District website & posted at office notice July 22, 2024

District email noticing July 22, 2024

Notice of Public Hearing Regarding Proposed 2025 Budget, Levy and Water Management District charges

PLEASE TAKE NOTICE That the Rice Creek Watershed District Board of Managers has scheduled a public hearing to present and receive comments on the District's 2025 proposed budget and levy, which include Water Management District (WMD) local charges for the Ramsey County Ditch (RCD) 4 WMD, on Wednesday, August 14, 2024 at 9:00 a.m. in the City of Shoreview, 4600 North Victoria Street, Shoreview, Minnesota. Public participation using interactive technology will also be possible using Zoom. Please see below for zoom instructions. In addition, by a declaration under Minnesota Open Meeting Law Section 13D.021, all meetings of the RCWD Board of Managers are in person and public while recognizing that a Manager may, based on advice from a health care professional, have a legitimate reason for not attending a meeting in a public place in person, such as COVID-19 exposure or infection, and in such circumstances may participate in the meeting remotely.

The proposed 2025 budget is \$9,332,614. The proposed total levy for the District is \$6,140,782. The Ramsey County Ditch 4 WMD proposes to collect charges of \$94,538. RCWD, 4325 Pheasant Ridge Drive, Suite 611, Blaine, MN 55449. 763-398-3070.

Join Zoom Meeting:

https://us06web.zoom.us/j/85160232566?pwd=SbC7ZOna5a93iAlWaGSzjQzUhYq822.1

Meeting ID: 851 6023 2566

Passcode: 035720

+1 312 626 6799 US (Chicago) Meeting ID: 851 6023 2566

Passcode: 035720

Find your local number: https://us06web.zoom.us/u/kbWU6Ce9fa

RCWD Proposed 2025 Budget

Seafer Tases FERA 114 Seafer Office Concessed	Fund No. & Sub-Account	Name	Classification of District Funds	2024 Budget	Projected 2024 Expenditures	Proposed 2025 Budget
Sources Traces, PERA, Developed, Office Exposure Exp. 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	10		40% Cash Flow Reserve			
Sauries, Tours, PEPA, Boardis, Office Expenses Etc. 479		Salaries, Taxes, PERA, HSA, Benefits, Office Expenses		\$ 523,535	\$ 473,674	\$ 535,272
## 2 (Veterinde Communication & Outstand Program) ## 40 (Veterinde Communication & Outstand Program) ## 40 (Veterinde Communication & Outstand Program) ## 40 (Veterinde The Program ## 40 (Veterinde The Program ## 40 (Veterinde The Veterinde Suspect ## 40 (Veterinde The Veterinde The Veterinde The Veterinde Suspect ## 40 (Veterinde The Veterinde Th	30					\$ 302,389
40 Vinsual Metallo Program (Replacienty Minimensols Water Stressed Program) \$ 15,000 \$ 15,000 \$ 3,000 \$		Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	40% Cash Flow Reserve			
4-6 Charteson Famewater						
## 6 Minr-Gramm Forgram ## 5 Minr-Gramm Forgram ## 6 Minr-Gramm Forgr						
Section Sect	-05	Mini-Grants Program		\$ 10,000	\$ 10,000	\$ 20,000
Staties Total Part Staties Total Part Staties Total Staties Stat						
Salaries	-08	vatersned Plan Maintenance		\$ 5,000	5,000	\$ 5,000
Committee Comm	35					
040 District Wider Model		Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	40% Cash Flow Reserve			
60 Databasses IRSA Front, Dramage DR), GIS Vicewer	-03 -04	Boundary Management Program				
Solaries Tasse PEPA, Benefix Office Expenses Etc. 105 Cash Row Reserve 3						
Salaries, Taxes, PEFA, Benefits, Office Expenses Etc. MDVCash Flow/Realmow 3 301,00 5 302,417 5 402,	-15	District Website		\$ 5,000	\$ 5,000	\$ 2,500
Salatene, Taxee, PERA, Bernelis, Office Expenses Rtc. MSVCash Flow Reservoir S 300,000 \$ 302,417 \$ 405,	60	Postoration Projects		¢ 2 165 103	\$ 1.146.704	\$ 2,847,551
41 Arolica Chain of Lakes Water Management Project Restricted \$ 3,00,000 \$ 141,014 \$ 160,000		Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	40% Cash Flow Reserve			. , ,
49		Anoka Chain of Lakes Water Management Project		\$ 300,000	\$ 141,014	\$ 160,000
Model Rice Creek Water Management Project			Restricted			
	-03	Middle Rice Creek Water Management Project				
497 RCD 2, 3 & S MMD (IOLE Restricted \$	-05	Bald Eagle Lake WMD	Restricted	\$ 31,789	\$ 2,290	\$ 28,272
4-96 RCD 2_3 & 5 Salas Water Management Project \$ 20,000 \$ 104,374 \$ 500			Destricted			
### Silver Lake Water Management Project ### 1-09 Silver Lake Water Management Projects ### 1-16 Stormwater Management Portnereship Projects ### 1-16 Stormwater Management Cost Short ### 1-24 Southwast Urban Lakes Implementation ### 1-24 Southwast Urban Lakes Implementation ### 1-25 Southwast Urba			Restricted			
11 Regional Water Management Partnership Projects						
4-16 Stormwater Management Cost Share Committed \$ 83.2000 \$ 299.718 \$ 1,106. -24 Southwest Uthan Lakes Implementation \$ 75.000 \$ 15.000 \$ 10.000						
24 Southwest Urban Lakes Implementation \$ 75,000 \$ 15,000 \$ 100.			Committed			
-29 Clear Lake Water Management Project S 375,000 \$ 25,000 \$ 10			Committed			
3-34 Columbus Planning WMD (IDLE)	-29	Clear Lake Water Management Project				
\$35 Stormwater Master Planning \$ 5,000 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 5,158 \$ 10,000 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 17,534 \$ 5,500 \$ 10,0	-33	Forest Lake Planning WMD (IDLE)				•
3-36 Municipal CIP Early Coordination Program \$ 1,0000 \$ 1,158 \$ 10.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 55.000 \$ 1,7534 \$ 550.0000 \$ 1,7534 \$ 550.0000 \$			Restricted			
3-37 Groundwater Management & Stormwater Reuse Assessment Program \$ 65,000 \$ 17,534 \$ 55.						
Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	-37	Groundwater Management & Stormwater Reuse Assessment Program		\$ 65,000	\$ 17,534	\$ 55,000
Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	70	Regulatory		\$ 1.590.761	\$ 1 399 <i>4</i> 97	\$ 1,565,687
Book	70		40% Cash Flow Reserve			
Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 330,811 \$ 281,276 \$ 344 -91 Natural Waterway Management \$ 10,000 \$ 2,500 \$ 10 -92 Ditch Maintenance \$ 335,000 \$ 25,500 \$ 10 -93 Repair Reports & Studies \$ 200,000 \$ 200,000 \$ 160,						
Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 330,811 \$ 281,276 \$ 344 -91 Natural Waterway Management \$ 10,000 \$ 2,500 \$ 10 -92 Ditch Maintenance \$ 335,000 \$ 530,333 \$ 345 -93 Repair Reports & Studies \$ 200,000 \$ 200,0	-03	Permit Review, Inspection and Coordination Program		\$ 950,000	\$ 892,146	\$ 925,000
Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 330,811 \$ 281,276 \$ 344 4-91 Natural Waterway Management \$ 10,000 \$ 2,500 \$ 10 4-02 Ditch Maintenance \$ 335,000 \$ 530,333 \$ 345 4-03 Repair Reports & Studies \$ 200,000 \$ 200,000 \$ 200,000 \$ 400,000 4-04 ACD 10-22-32 WMD Restricted \$ 14,124 \$ 5,693 \$ 144 4-05 ACD 31 WMD Restricted \$ 14,124 \$ 5,693 \$ 144 4-05 ACD 31 WMD Restricted \$ 39,710 \$ 39,710 \$ 41, 47 4-07 RCD4 WMD Restricted \$ 39,710 \$ 39,710 \$ 41, 47 4-07 RCD4 WMD Restricted \$ 145,000 \$ 98,650 \$ 94, 49, 49, 49, 49, 49, 49, 49, 49, 49,	80	Ditch & Creek Maintenance		\$ 1,741,000	\$ 1,710,023	\$ 1,955,483
402 Ditch Maintenance \$ 335,000 \$ 530,383 \$ 345.			40% Cash Flow Reserve	\$ 330,811	\$ 281,276	\$ 344,198
4-03 Repair Reports & Studies \$ 200,000 \$ 200,000 \$ 160, -04 ACD 10-22-32 WMD Restricted \$ 14,124 \$ 5,593 \$ 14, -05 ACD 31 WMD Restricted \$ 3,9710 \$ 39,710 \$ 341, -07 RCD 46 WMD Restricted \$ 145,000 \$ 98,650 \$ 94, -08 RCD 4 Repair \$ 95,000 \$ 44,130 \$ 48, -09 ARJD 1 WMD (IDLE) Restricted \$ 5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$						
14						
-66 ACD 46 WMD	-04	ACD 10-22-32 WMD	Restricted			
-07 RCD 4 WMD						
-08 RCD 4 Repair						
-09 ARJD 1 WMD (IDLE)	-08	RCD 4 Repair	. 1001110100	\$ 95,000	\$ 44,130	
1-15 Municipal PDS Maintenance Committed \$ 50,000 \$ 50,000 \$ 50,000 -20 WJD 2 Branch 1/2 Repair \$ 130,000 \$ 274,009 \$ 124,000 \$ 274,009 \$ 124,000 \$ 230,000 \$ 240,000	-09	ARJD 1 WMD (IDLE)	Restricted	\$ -	\$ -	\$ -
-20 WJD 2 Branch 1/2 Repair \$ - \$ - \$ - \$ -21 AWJD 3 Repair \$ 130,000 \$ 274,009 \$ -22 ACD 15 / AWJD 4 WMD Restricted \$ 18,370 \$ 18,370 \$ 18, -23 ACD 15 & AWJD 4 \$ 230,000 \$ 10,000 \$ 230, -24 ACD 53-62 WMD Restricted \$ 42,985 \$ 130,000 \$ 354, -25 ACD 53-62 Repair \$ 100,000 \$ 70,302 \$ 246,			Committed			
30,000 3			Committed			
Committed Common Carp Management Common	-21	AWJD 3 Repair		\$ 130,000	\$ 274,009	\$ -
Committed Comm			Restricted	\$ 18,370		
3			Restricted			
90			restricted		\$ 70,302	\$ 246,000
Salaries, Taxes, PERA, Benefits, Office Expenses Etc.						
Committed Sert Se	90		40% Cach Flour Bosonia			
-04 Surface Water Monitoring & Management Program \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 240,000 \$ 200,	-01					
-27 Curly Leaf Pondweed Management \$ 50,000 \$ 12,000 \$ 50,000 95 District Facilities \$ 641,635 \$ 557,976 \$ 654,000 Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 221,635 \$ 216,932 \$ 232,000 -03 District Facilities Repair \$ 300,000 \$ 300,000 \$ 310,000 \$ 112,000 \$ 112,000 -04 Inspection, Operation & Maintenance \$ 120,000 \$ 112,000 \$ 112,000 \$ 112,000	-04	Surface Water Monitoring & Management Program		\$ 240,000	\$ 240,000	\$ 240,000
95 District Facilities \$ 641,635 \$ 557,976 \$ 654, 654, 654 Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve 221,635 \$ 216,932 \$ 232, 635 -03 District Facilities Repair \$ 300,000 \$ 300,000 \$ 310, 600 \$ 112, 600 -04 Inspection, Operation & Maintenance \$ 120,000 \$ 120,000 \$ 112, 600 \$ 112, 600				\$ 200,000	\$ 102,912	\$ 200,000
Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 221,635 \$ 216,932 \$ 232, -03 District Facilities Repair \$ 300,000 \$ 300,000 \$ 310, -04 Inspection, Operation & Maintenance \$ 120,000 \$ 41,045 \$ 112,	-27	Curiy Leat Pondweed Management		\$ 50,000	j \$ 12,000	\$ 50,000
Salaries, Taxes, PERA, Benefits, Office Expenses Etc. 40% Cash Flow Reserve \$ 221,635 \$ 216,932 \$ 232, -03 District Facilities Repair \$ 300,000 \$ 310, -04 Inspection, Operation & Maintenance \$ 120,000 \$ 41,045 \$ 112,	95	District Facilities				
-04 Inspection, Operation & Maintenance \$ 120,000 \$ 41,045 \$ 112,		Salaries, Taxes, PERA, Benefits, Office Expenses Etc.	40% Cash Flow Reserve	\$ 221,635	\$ 216,932	\$ 232,307
				\$ 300,000	\$ 300,000	\$ 310,000 \$ 112,000
TOTAL \$ 8.334.339 \$ 6.657.868 \$ 9.332	-04	унізресцон, Орегаціон & іманценансе	+	ψ 1∠0,000	ψ 41,045	φ 11∠,000
<u> </u>		TOTA	L	\$ 8,334,339	\$ 6,657,868	\$ 9,332,614

2025 FUND BALANCE ESTIMATION

DRAFT - FINAL FUND BALANCE ESTIMATIONS AND ANY FUND BALANCE TRANSFERS PENDING BOARD DISCUSSION

	FUND BALANCE CASH FLO	OW OPERATING RESERVE				
П	REQUIIRED 40%	REQUIIRED 40%	RESTRICTED	COMMITTED	PROGRAM/PROJECT	ASSIGNED
	GENERAL FUND	IMPLEMENTATION	FUND BALANCE	FUND BALANCE	ANTICIPATION	FUND BALANCE
		ADMINISTRATIVE	12/31/2025	12/31/2025	FUND	12/31/2025
					12/31/2025	
	\$ 214,109	\$ 935,282	\$ (86,844)	\$ 654,119	\$ 4,500,000	\$ 4,000,378

PROPOSED FUND TRANSFERS WITH 2025 BUDGET

FUND	PROPOSED TRANSFER	1/1/2024 FUND BALANCE
10 General Administration	\$ -	\$ 592,890
30 Communication & Outreach	\$ -	\$ 243,445
35 Information Management	\$ -	\$ 300,596
60 Restoration Projects	\$ -	\$ 3,144,128
70 Regulatory	\$ -	\$ 717,744
80 Ditch & Creek Maintenance	\$ -	\$ 1,339,823
90 Lake & Stream Management	\$ -	\$ 1,067,859
95 District Facilities	\$ -	\$ 845,289
99 Project Anticipation		\$ 4,500,000
TOTAL	\$ -	\$ 12,751,772

99 PROJECT ANTICIPATION SUBFUND ALLOCATION								
99-60 Restoration	\$	-	\$	2,700,000.00				
99-80 Ditch & Creek	\$	-	\$	1,400,000.00				
99-90 Lake & Stream	\$	-	\$	200,000.00				
99-95 District Facility	\$	-	\$	200,000.00				
TOTAL	\$	4,500,000						

General Fund – covers the general administrative expenses of the District, including salaries, benefits, and office expenses.

Implementation Administrative Budget – covers the administrative costs of preparing or amending the District's plan and the administrative costs of implementation of the plan through projects and programs, pursuant to Minnesota Statutes Section 103B.241.

Restricted Fund – amounts are subject to externally enforceable legal restrictions, such as funds levied in a Water Management District (WMD) which are restricted to the defined purpose.

Committed Fund - amounts that can be used only for the specific purposes determined by a formal action of the government's highest level of decision-making authority, such as grant program awards. The commitments may be changed or lifted only by the government taking the same formal action that imposed the constraint originally.

Program/Project Anticipation Fund – funds accumulated and committed as an alternative to issuing bonds to finance improvements based on findings as to the potential future need of funds for a particular purpose.

Assigned Fund - amounts a government intends to use for a specific purpose.

Highlights of Proposed 2025 Budget

The proposed 2025 budget supports implementation of Rice Creek Watershed District's 10-year Watershed Management Plan (WMP) adopted in 2020. The WMP provides resource management direction to the District, establishing its budget framework for projects and programs. The framework guides development of the District's annual budget and long-range fiscal planning. The WMP is not the definitive as to the annual District budget, but a foundation to it.

The 2025 budget document includes a column titled "Classification for District Fund Balance". The content of this column identifies the fund's or subfund's relationship, if any, to the District's fund balance.

The 2025 District budget includes dollars for the District's general administration and operations for District managers and District staff. These funds address the administrative needs of the District itself as well as the shared budget efforts of the District's programs, such as rent. This year notably includes the funds for a field utility vehicle, vehicle purchase/lease, human resource and financial consultant services, and includes all current District staff positions salary and benefits consistent with the District's organizational chart.

The following is a list of the District's individual programs and projects highlighting intended work for 2025.

Communication and Outreach – Fund 30:

- Refocus water stewards portion of the program to capitalize on visual media
- Implement District commitment of \$15,000 to water stewards' capstone project at Forest Lake High School
- Outreach partnerships budget is raised to address increased support requests and increased costs. (These address city/county programs and outreach initiatives, such as workshops and events and may utilize organizations/businesses outreach programs)
- Increases two-fold Mini-Grant Program funding
- Update of the Watershed Management Plan (WMP) as necessary along with engineering support
- Communication and partnership on the District's projects and policy positions

Information Management – Fund 35:

- Conclude the current district boundary management effort
- Maintain the District Wide Model, data updates
- Assist cities in application of District Wide Model, flood study
- Complete modeling software conversions
- Maintain the District's databases and further develop institutional knowledge tools (Drainage DB, MS4Front, GIS layers)
- Maintain District website (annual host, updates, maintenance costs)

Restoration Projects – Fund 60:

- Develop plans for restoration and stabilization of Clearwater Creek/Anoka-Washington Judicial Ditch 3
- Study potential water quality improvement projects at Anoka County Ditch 72
- Implement \$100,000 match commitment to the City of Fridley's Moore Lake project

- Implement next Middle and/or Lower Rice Creek stream bank stabilization projects based on past study
- Study retrofit of Hwy 61 ponds for Bald Eagle Lake Water Quality Management
- Develop final plans with regulations/permits for Ramsey County Ditch 2, 3, & 5 at Jones Lake (potential MN Pollution Control Agency Stormwater Resiliency Implementation Grant otherwise funding through District (Fund Balance/Project Anticipation Fund)
- Continue the Storm Water Management Cost-Share Program, includes the District's past committed grant awards
- Collaborate in Clear Lake Water Management project shoreline restoration at Eureka Avenue Forest Lake
- Continue Groundwater Management & Stormwater Reuse Assessment Program
- Capitalize on stormwater planning opportunities

Regulatory – Fund 70:

- Implement the revised regulations
- Update surety use protocols and provide any necessary guidance documents in assistance to our partners and the public
- Study and implement support of Best Management Practices
- Implement annual District reporting, pre-permit engagement, management of open permits
- Partner under inspection contracts with county conservation districts

Ditch & Creek Maintenance – Fund 80:

- Maintain public drainage system right-of-way by regular inspection and mowing, maintenance activity
- Implement further maintenance work on Anoka County Ditch 10-22-32 along with other system maintenance needs
- Complete repair reports and studies Anoka Ramsey Judicial Ditch 1 Branch 1, 2, 3
- Implement Ramsey County Ditch 4 Water Management District and conclude project work initiated in 2024
- Implement next phase of Anoka County Ditch 53-62 Branch 5 & 6
- Support efficient public drainage system maintenance by municipal partners
- Participate as appropriate in natural waterway management
- Continue public drainage system maintenance on Washington Judicial Ditch 5 and Washington Judicial Ditch 7

Lake & Stream Management – Fund 90:

- Continue Water Quality Grant Program with increase to address inflation and committed project payout
- Continue Surface Water Monitoring & Management Program
- Continue Common Carp Management and Curly Leaf Pondweed Management programs

District Facilities – Fund 95:

• Continue inspection, repair, and maintenance of District facilities such as its iron enhanced sand filters and support of Priebe Lake Outfall Project (PLOP)

Total 2025 proposed expenditures are \$9,332,614.

Revenue for 2025 is an assembly of:

- \$6,140,782 is from the watershed-wide general property tax levy
- \$657,104 is from Water Management Districts (WMD), fees, grants, investment income
- \$2,534,728 is from fund balance (restricted, committed, assigned)

The 2025 budget is \$9.3 million, consisting of nearly \$900,000 in committed spending. This contributes to the fund balance spending total of roughly \$2.5 million and evidence of the District's success in securing grants and saving in advance saving for projects which contributes, along with urban fringe development, to a stable levy. The District's fund balance remains sufficient, under the anticipated closing balance of 2024, to meet the 40% operating reserve fund balance policy.

The Board should consider the levy implications to property holders. The proposed 2025 budget resulting levy requirements are indicated to be flat or declining given the new development and market value of properties on the urban fringe. The calculus for the budget's levy impact on property owners is challenging as it is being allocated across four counties. There may be some increases or decreases in an individual property's estimated tax rate within counties, variation from year to year. This is beyond the District's control. In general, property market values have continued to increase over the preceding year and so the proposed budget will yield an increase in revenue from property tax commensurate with the increase in overall market value within the District. (Again, each individual properties' tax amount within the District is dependent on numerous factors (county, value change, other taxing authorities, etc.) and therefore the District must assess its levy under broad conditions.)

The 2025 property tax rates are not available at this time from which to calculate the District's tax impact, however; the tax impact will likely be moderate to declining from the 2024 property tax impact due to new development's added taxable market value and increasing taxable market value of existing property against a 2025 .67% increase in the District's levy over 2024. The RCWD 2024 property tax impact on \$200,000 of property value is estimated at around \$32 dollars per year down from estimates in previous years.

Estimated 2025 Property Tax Implications

			-						
Value	2017	2018	2019	2020	2021	2022	2023	2024	2025
RCWD Levy on \$200,000 of property value	· ·	\$36.30	\$36.81	\$37.75	\$36.44	\$35.80	\$31.86	\$31.52	Information not available as of 8/7/2024; anticipated to be stable; like previous year's (2023, 2024) amount

The District anticipates the 2025 Ramsey County Ditch 4 Watershed Management District (WMD) charge to result in a total collection of \$94,538; comprised of \$85,038 in levied charges and \$9,500 in Right of Way (ROW) direct billing.

ITEMS REQUIRING BOARD ACTION

1. Check Register Dated August 14, 2024, in the Amount of \$169,163.09 Prepared by Redpath and Company

Rice Creek Watershed District Check Register July 25, 2024 - August 14, 2024 To Be Approved at the August 14, 2024 Board Meeting

Check #	Date	Payee	Description	Amount	•
CHECK#	Date	1 ayec	Description	Amount	
25756	07/24/24	Ashwill Companies	Cost-Share, Construction	\$30,000.00	*Approved 7/24
25757	07/24/24	DocuSign, Inc.	Computer Software	4,850.53	*Issued 7/24
25758		AgriDrain Corporation	Field Supplies	412.77	
25759	08/14/24	Apitz Garage, Inc.	Vehicle Expense	83.52	
25760	08/14/24	Beisswenger's Do it Best	Equipment	37.97	
25761	08/14/24	BridgeTower OpCo, LLC.	Legal Notices	32.76	
25762		City of Roseville	RCD4 WMD payment, Construction	224.08	
25763	08/14/24	Comcast	Telecommunications	319.89	
25764	08/14/24	ECM Publishers, Inc.	Legal Notices	155.40	
25765	08/14/24	EPG Companies, Inc.	Equipment	1,608.00	
25766	08/14/24	Freshwater Society	Contracted Services	3,000.00	
25767	08/14/24	Joseph Grubbs	Contracted Services	910.00	
25768	08/14/24	HealthPartners	Benefits	12,316.35	
25769	08/14/24	Iron Mountain	Professional Services	1,623.96	
25770	08/14/24	Jan Krentz	Cost-Share, Construction	7,500.00	
25771	08/14/24	Leymar Companies, LLC.	Professional Services	4,041.50	
25772	08/14/24	MN Board of Waters and Soil Resources	Training and Education	505.00	
25773	08/14/24	ODP Business Solutions, LLC.	Office Supplies	384.56	
25774	08/14/24	Premium Waters, Inc.	Meeting Supplies	70.98	
25775	08/14/24	Press Publications	Legal Notices	69.95	
25776	08/14/24	Rinke Noonan	Legal Expense	1,323.00	
25777	08/14/24	RMB Environmental Laboratories, Inc.	Lab Expense	4,911.20	
25778	08/14/24	Raybak Companies, Inc.	Contracted Services	7,125.00	
25779	08/14/24	Rymark	Professional Services	3,004.91	
25780	08/14/24	Eleni Skevas	Cost-Share, Construction	1,864.05	
25781	08/14/24	St. Paul Pioneer Press	Legal Notices	645.90	
25782	08/14/24	Timesaver Off Site Secretarial, Inc.	Professional Services	194.25	
25783	08/14/24	US Geological Survey	Contracted Services	3,534.25	
25784		Velocity Telephone	Telecommunications	487.78	
25785	08/14/24	Washington Conservation District	Contracted Services	4,798.00	
25786	08/14/24	Winnick Supply, Inc.	Construction	215.41	
25787	08/14/24	WSB & Associates, Inc.	Engineering	7,701.00	
11403	08/14/24	BG Capitol, LLC.	Surety Release - #21-126	4,100.00	
11404	08/14/24	Donald and Karen Bowman	Surety Release - #23-055	1,000.00	
Payroll	08/15/24	Aug 15th Payroll (estimate)	Aug 15th Payroll (estimate)	33,620.59	
EFT		Card Services-Elan	July Credit Card -Credit	(48.23)	
EFT		Card Services-Elan	July/August Credit Card	1,179.61	
EFT		First Unum Life Insurance Company	August Benefits	935.90	
EFT		Wex Bank	Vehicle Fuel	664.98	
EFT		Xcel Energy	Telecommuncations	14.24	
EFT	08/09/24	US Bank Equipment Finance	Equipment Lease	648.76	

Rice Creek Watershed District Check Register July 25, 2024 - August 14, 2024 To Be Approved at the August 14, 2024 Board Meeting

Check #	Date	Payee	Description	Amount
EFT	08/15/24	Internal Revenue Service	08/15 Federal Withholding (estimate)	12,080.80
EFT		Minnesota Revenue	08/15 State Withholding (estimate)	2,190.00
EFT	08/15/24	Empower Retirement	08/15 Deferred Compensation	870.00
EFT	08/15/24	Empower Retirement	08/15 Roth IRA	305.00
EFT	08/15/24	Further	08/15 HSA	621.47
EFT	08/15/24	PERA	08/15 PERA (estimate)	7,028.00
Total				\$169,163.09

ITEMS FOR DISCUSSION AND INFORMATION

1. District Engineer Update and Timeline



District Engineer - Monthly Project Report July 2024 Rice Creek Watershed District



Date Prepared: 30-Jul-24
Prepared by: C. Grandbois

Project Name	Task Order Manager	Estimated Budget	Cost to Date	Remaining Budget	Project Complete / Transfer Funds?	Estimated Progress Based on Work Completed	Percentage of Budget Utilized	Within Budget? (Y/N)	District Billed for Exceedence of Budget? (Y/N)	Initial Target Completion Date	Items of Interest / Concern
RCD 2, 3, & 5 Basic Water Management Project	Joe Lewis	\$167,500	\$148,316	\$19,184	N	95.0%	88.5%	Υ	N/A	2-May-23	A preliminary report has been completed and submitted to District staff.
RCD 1 Records Reestablishment	Adam Nies	\$27,500	\$26,157	\$1,343	N	95.0%	95.1%	Y	N/A	31-Dec-23	A public information meeting has been held. Next step is to hold a public hearing for consideration of ordering the reestablishment of the public drainage system record.
RCWD Boundary Petition Assistance	Chris Otterness	\$16,500	\$23,568	(\$7,068)	N	95.0%	142.8%	N	N	1-Mar-24	A package for consideration of concurrence with the boundary change has been prepared for each city/WMO. Once letters of concurrence are received, a petition to BWSR for the change may move forward.
ACD 53-62 Branches 5 & 6 Repair Report	Adam Nies	\$82,200	\$58,234	\$23,966	N	70.0%	70.8%	Υ	N/A	30-Apr-23	Wetland lateral effects analysis has been completed. We are currently preparing a draft repair report.
JD 3 Clearwater Creek Stabilization	Adam Nies	\$74,900	\$91,651	(\$16,751)	N	98.0%	122.4%	N	N	31-May-24	A draft feasibility report has been completed for District staff review
Anoka Washington Judicial Ditch 3 Branches 1, 2, & 4 Construction Management	Adam Nies	\$120,000	\$127,318	(\$7,318)	N	98.0%	106.1%	N	N	1-Jun-24	Project is complete. We will close out the project once the contractor has provided final submittals.
RCD 4 Final Plans/Specs, Bidding and Construction Management	Adam Nies	\$68,000	\$30,146	\$37,854	N	40.0%	44.3%	Y	N/A	31-Dec-24	The contract has been executed. Construction will start in early fall.
GIS and Ditch Records Maintenance; DrainageDB Annual Subscription	Brian Fischer	\$16,000	\$7,315	\$8,685	N	58.3%	45.7%	Υ	N/A	31-Dec-24	Drainage records are being added to DrainageDB on a quarterly basis
MS4Front Annual Subscription and Implementation Services	Brian Fischer	\$16,000	\$1,975	\$14,026	N	58.3%	12.3%	Υ	N/A	31-Dec-24	We continued to make updates on an as-requested basis.
RCWD Rule Revision Assistance	Adam Nies	\$36,000	\$18,498	\$17,502	n	75.0%	51.4%	Υ	N/A	31-Dec-24	The proposed rule has been noticed for public review. Next step is to complete a public hearing.
Enhanced Street Sweeping Initiative	Rachel Olm	\$29,000	\$5,047	\$23,953	N	15.0%	17.4%	Y	N/A	31-Dec-24	A survey has been sent to the District's municipal partners to determine existing and desired sweeping practices.

Values in red are either potential budget concerns or changes in schedule.

The "overage" for those projects shown as "over budget" is not billed to the District. The cost to date column reflects HEi's actual internal cost. Projects are considered within budget if ± 5%.



District Engineer Monthly Progress Report (Actual & Estimated Progress) Through July 2024



