

VLAWMO TECHNICAL COMMISSION MEETING
8:00 AM November 9, 2022

Vadnais Heights City Hall, Council Chambers, 800 County Road E East, Vadnais Heights, MN 55127

Action items: 😊

- I. Call to Order – 8:00am –Chair Jesse Farrell
- II. Approval of Agenda
- III. Approval of Minutes (October 12, 2022) pg 2
- IV. Administration & Operations
 - A. Recognition of Appreciation
 - B. Financial Report for Payment – Phil 😊 pg 6
- V. Programs
 - A. Cost Share Program Updates – Lauren 😊 pg. 19 pg.14
 - B. Annual Watershed Awards Vote - Nick 😊 pg. 40
- VI. Projects
 - A. Vadnais-Sucker Lake Regional Park restoration update – Lauren /Nick pg. 15
 - B. Maintenance plan scope of work for 2023 and partner support – Dawn 😊 pg. 46 pg. 15
 - C. Wilkinson BMP update - Dawn pg. 16
 - D. Update on Meander monitoring with NearMap – Dawn pg. 16
 - E. Update on CLP grant closed, restoration maintenance for the year complete, and thank you for partner support - Dawn pg. 18
- VII. Commissioner Reports
- VIII. NOHOA
- IX. Ramsey Soil & Water Conservation Division
- X. St. Paul Regional Water Services
- XI. Public Comment
- XII. Next Meetings: TEC: Dec. 14th, Regular Board Meeting: Dec. 14, 2022
- XIII. Adjourn

Upcoming events:

Watershed Action Volunteers meeting:
November 15th 6-7:30pm
Tamarack Nature Center/WAV banquet:
December 11th

**Vadnais Lake Area Water Management Organization
Technical Commission (TEC) Minutes
October 12, 2022
Vadnais Heights City Hall, Council Chambers
800 County Road E East, Vadnais Heights, MN 55127**

Commission Members Present:

Nolan Wall	Vadnais Heights (VH) Alternate
Gloria Tessier	Vice Chair, Gem Lake (GL)
Patricia Orud	North Oaks (NO) Alternate
Paul Duxbury	White Bear Township (WBT)
Andy Nelson	Lino Lakes (LL)
Terry Huntrods	White Bear Lake (WBL)

Absent: Chair Jesse Farrell (VH), Bob Larson (NO)

Others in attendance: Phil Belfiori, Dawn Tanner, Brian Corcoran, Lauren Sampedro, Nick Voss (VLAWMO staff), Justine Roe (SPRWS)

I. Call to Order

Vice chair Gloria Tessier called the meeting to order at 8:01 am.

II. Approval of Agenda

It was moved by Commissioner Huntrods and seconded by Commissioner Orud to approve the October 12, 2022 TEC agenda Vote: all aye. Motion passed.

III. Approval of Minutes (September 14 , 2022)

It was moved by Vice Chair Tessier and seconded by Commissioner Huntrods to approve the September 14 meeting minutes as presented. Vote: all aye. Motion passed.

IV. Administration & Operations

A. Financial Report for Payment

Administrator Belfiori summarized the financial report as included in the TEC packet. Notable bills include the stormwater utility, which will be included in the October 26th Board meeting. Others include lake monitoring analysis and labwork, the Oak Knoll Pond spent lime project in the Goose Lake subwatershed, the Wilkinson BMP project, and finalizing payments for the Pleasant Lake carp removal efforts. Staff recommends approval of the financial report for payment.

It was moved by Commissioner Duxbury and seconded by Commissioner Orud to approve the October finance report for payment. Vote: all aye. Motion passed.

B. October TEC Report to the Board

Belfiori outlined the TEC report to the Board as included in the October packet. Notable items include drainage reports, the Wilkinson BMP, the Biochar project, the VLAWMO website renovation, the watershed plan minor amendment, and Pleasant Lake carp removal.

It was moved by Commissioner Huntrods and seconded by Commissioner Duxbury to approve the October TEC report to the Board. Vote: all aye. Motion passed.

V. Programs

A. Education and Outreach

1. Website renovation update

Voss outlined the scope of the website renovation pending legal review. He noted that it is anticipated that this scope would be brought to the Board meeting on October 26th. Phase one of the website renovation includes 10 updated pages, five repeatable landing pages, and four page templates for staff use. He then summarized the development process of phase one. Phase two will be pursued next year and will be revised based on the outcomes of phase one. He noted the cost of the first phase will be \$12,980.

Voss noted that this website renovation is not a full overhaul but an update to new website software.

It was moved by Commissioner Orud and seconded by Commissioner Wall to approve the website renovation scope to the Board. Vote: all aye. Motion passed.

2. Annual Watershed Awards: Reminder

Voss reminded the TEC that now is a great time for nominations to come in for the watershed awards. He said past nominations are still valid and could be brought forward again this year. He noted that the award winners will be announced at the December VLAWMO Board meeting.

VI. Projects

A. Biochar construction update

Corcoran presented the construction of the Biochar project is mostly complete, with a few minor items under discussion with Petersen Companies and SEH consultants. Corcoran outlined the process of construction from dewatering the pond to digging out and filling the biochar bench. The project began on September 30th and took less than a week to finish due to amiable weather. The system includes intentional design for taking water

samples on water exiting the filter, which will be monitored in spring 2023. The erosion fence will remain up until at least 70% vegetation establishment, which will be until either spring or early summer, 2023.

Commissioner Duxbury asked about the life of the practice. Corcoran responded sand filters last for at least 25 years, but the biochar may only be effective for 10 years. He added that staff will be monitoring the practice for the next year and will have a better idea of its longevity after that.

B. Comprehensive Watershed Management Plan Amendment

Tanner provided a review on the minor plan amendment. Requested changes were brought to the TEC and Board in August, and the amendment comment period ended September 25th. The City of White Bear Lake provided three comments and VLAWMO staff made revisions to address two comments (the third will be included in the next full Plan update). The Board of Soil and Water Resources (BWSR) also sent a formal letter confirming the proposed watershed management plan changes are minor and approving the requested changes. BWSR's letter is included in the October 2022 TEC packet. A public meeting will be held at the October 26th Board meeting for public comments, which was legally noticed on October 5th and 12th, per BWSR guidelines. Staff recommend approval of the minor plan amendment with the additional changes for the October 26th BOD meeting.

It was moved by Commissioner Nelson and seconded by Commissioner Huntrods to approve the Comprehensive Watershed Management Plan Amendment with the additions. Vote: all aye. Motion passed.

C. Wilkinson BMP update

Tanner provided an update that Houston Engineering, Inc. continues work on modeling and design for the Wilkinson BMP project. Wetland delineation work is underway, and staff will be meeting with them soon.

D. Community-engaged Learning UMN student fall semester update

Tanner included updates on Community-engaged learning student activities. The current cohort is ten students from two environment-focused classes. Examples of activities include seed collection, invasive species removal, bare-root planting, and the group attending the recent CWMA meeting and associated equipment demonstration was highlighted.

E. Recent MN DNR activities in the watershed

Tanner said the DNR visited the watershed in September to survey for uncommon aquatic macrophytes and collect Water willow specimens. Water willow samples will be incorporated into the Bell Museum herbarium collection. Bearded nitella was also found, collected, and mapping its distribution is the focus of a current research project.

Walleye fry stocking occurred in East Goose Lake in the spring and was survival of those fry was checked using trap nets by MN DNR in September.

F. Birch Lake turion check with RCSWCD

Tanner provided an update that only a few curly-leaf pondweed plants have been found in Birch Lake. She and RCSWCD staff checked for turions, which were not found during the survey. She added that, since the curly-leaf pondweed infestation appears to have been detected early, there is an opportunity to eradicate curly-leaf pondweed from Birch Lake.

I. Commissioner Reports

Commissioner Wall stated there is an upcoming Vadnais Heights street renovation project on South Oak Drive, which is adjacent to a wetland. A trail connection from Bear Ave N to Bear Park has also been completed, with a boardwalk planned for 2023.

II. NOHOA

Patricia Orud provided an update on the North Oaks neighborhood entrance renovation. She said a few surprises were found by the contractors when digging the raingarden including old foundation materials, cesspools, and tree trunks. Grading will be completed in 2022 and planting will occur next year. NOHOA is currently asking for community input on the planting design of the raingarden.

III. Ramsey Soil & Water Conservation Division

None

IV. St. Paul Regional Water Services

SPRWS reported a high rate of retirements in 2022 and continued prep work for a new treatment plant addition.

V. Public Comment

None

VI. Next Meetings:

Next TEC meeting November 9th. Next BOD meeting October 26th.

XIII. Adjourn

It was moved by Commissioner Orud and seconded by Commissioner Huntrods to adjourn the meeting at 8:37am . Vote: all aye. Motion passed.

Minutes compiled by Nick Voss.

VLAWMO Finance Summary: November 2022

Nov-22		Actual 11/1/22	Actual to Date	2022 Budget	2021 carry over/Grants	Remaining in Budget	2022 Available	Act vs. Budget
BUDGET #	INCOME							
5.11	Storm Water Utility	\$0	\$991,903	\$1,019,521	\$0	\$27,618	\$1,019,521	97%
5.12	Service Fees	\$0	\$300	\$200	\$0	(\$100)	\$200	150%
5.13	Interest + mitigation acct	\$1,232	\$6,095	\$1,500	\$0	(\$4,595)	\$1,500	406%
5.14	Misc. income - WCA admin & other	\$0	\$2,198	\$3,000	\$0	\$802	\$3,000	73%
5.15	Other Income Grants/ <u>loan</u>	\$74,024	\$136,903	\$324,500	\$0	\$187,597	\$324,500	42%
5.16	Transfer from reserves	\$0	\$0	\$192,367	\$133,751	\$326,118	\$326,118	0%
	TOTAL	\$75,256	\$1,137,399	\$1,541,088	\$133,751	\$537,440	\$1,674,839	74%
EXPENSES								
3.1	Operations & Administration							
3.110	Office - rent, copies, post tel supplies	\$2,058	\$23,020	\$27,097	\$0	\$4,077	\$27,097	85%
3.120	Information Systems	\$1,674	\$19,326	\$25,865	\$0	\$6,539	\$25,865	75%
3.130	Insurance	\$0	\$9,136	\$7,210	\$0	(\$1,926)	\$7,210	127%
3.141	Consulting - Audit	\$0	\$7,896	\$8,191	\$0	\$295	\$8,191	96%
3.142	Consulting - Bookkeeping	\$0	\$0	\$1,500	\$0	\$1,500	\$1,500	0%
3.143	Consulting - Legal	\$124	\$689	\$5,000	\$0	\$4,311	\$5,000	14%
3.144	Consulting - Eng. & Tech.	\$725	\$19,728	\$30,000	\$14,000	\$24,272	\$44,000	45%
3.150	Storm Sewer Utility	\$0	\$11,222	\$14,000	\$0	\$2,778	\$14,000	80%
3.160	Training (staff/board)	\$0	\$8,060	\$12,500	\$0	\$4,440	\$12,500	64%
3.170	Misc. & mileage	\$157	\$2,786	\$6,300	\$0	\$3,514	\$6,300	44%
3.191	Administration - staff	\$30,144	\$358,635	\$391,400	\$0	\$32,765	\$391,400	92%
3.192	Employer Liability	\$9,313	\$105,449	\$114,425	\$0	\$8,976	\$114,425	92%
3.2	Monitoring and Studies							
3.210	Lake and Creek lab analysis	\$1,797	\$10,567	\$18,000	\$0	\$7,433	\$18,000	59%
3.220	Equipment	\$0	\$601	\$3,000	\$0	\$2,399	\$3,000	20%
3.230	Wetland assessment & management	\$0	\$0	\$15,000	\$0	\$15,000	\$15,000	0%
3.240	Watershed Plan Amendment	\$111	\$111	\$15,000	\$0	\$14,889	\$15,000	1%
3.3	Education and Outreach							
3.310	Public Education	\$167	\$1,308	\$6,000	\$0	\$4,692	\$6,000	22%
3.320	Marketing	\$40	\$5,867	\$17,500	\$0	\$11,633	\$17,500	34%
3.330	Community Blue Ed Grant	\$0	\$2,373	\$2,000	\$0	(\$373)	\$2,000	119%
<i>Total Core Functions: Ops, Monitoring, Education</i>		\$46,310	\$586,774	\$719,988	\$14,000	\$147,214	\$733,988	80%
Capital Improvement Projects and Programs								

3.4	Subwatershed Activity							
3.410	Gem Lake	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	
3.420	Lambert Creek	\$127,188	\$153,428	\$44,432	\$70,000	(\$38,996)	\$114,432	134%
3.421	Lambert Lake Loan	\$19,284	\$38,568	\$38,568	\$0	\$0	\$38,568	100%
3.425	Goose Lake	\$0	\$21,895	\$70,000	\$10,000	\$58,105	\$80,000	27%
3.430	Birch Lake	\$0	\$6,057	\$10,000	\$0	\$3,943	\$10,000	61%
3.440	Gilf Black Tam Wilk Amelia	\$17,249	\$63,928	\$93,500	\$12,000	\$41,572	\$105,500	61%
3.450	Pleasant Charley Deep	\$1,922	\$35,823	\$35,000	\$10,000	\$9,177	\$45,000	80%
3.460	Sucker Vadnais	\$0	\$5,618	\$41,500	\$0	\$35,882	\$41,500	14%
3.48	Programs							
3.480	Soil Health Grant	\$0	\$6,415	\$5,000	\$0	(\$1,415)	\$5,000	128%
3.481	Landscape 1	\$4,815	\$10,676	\$16,000	\$0	\$5,324	\$16,000	67%
3.482	Landscape 2/BWSR WBF	\$150	\$32,629	\$28,000	\$17,751	\$13,122	\$45,751	71%
3.483	Project Research & feasibility	\$0	\$0	\$0	\$0	\$0	\$0	#DIV/0!
3.485	Facilities Maintenance	\$13,623	\$53,834	\$102,600	\$0	\$48,766	\$102,600	52%
3.5	Regulatory							
3.510	Engineer Plan review	\$0	\$0	\$2,000	\$0	\$2,000	\$2,000	0%
	<i>Total CIP & Program</i>	\$184,231	\$428,871	\$496,600	\$119,751	\$187,480	\$616,351	70%
	Total of Core Operations & CIP	\$230,541	\$1,015,645	\$1,216,588	\$133,751	\$334,694	\$1,350,339	75%

Fund Balance	10/1/2022	11/1/2022
4M Account	\$228,915	\$180,876
4M Plus Savings	\$326,222	\$327,000
Total	\$555,137	\$507,876

Restricted funds	11/1/2022
Mitigation Savings	\$21,013
Term Series	\$500,000

Vadnais Lake Area Water Management Organization
Profit & Loss
 October 13 through November 9, 2022

7:35 AM

11/03/2022

Cash Basis

Oct 13 - Nov 9, 22

Ordinary Income/Expense	
Income	
5.1 · Income	
5.13 · Interest	1,231.76
Total 5.1 · Income	<u>1,231.76</u>
6.6.6 · Grants	74,024.09
Total Income	<u>75,255.85</u>
Gross Profit	75,255.85
Expense	
3.1 · Administrative/Operations	
3.110 · Office	
Copies	70.37
Phone/Internet/Machine Overhead	295.00
Postage	28.08
Rent	1,665.00
Total 3.110 · Office	<u>2,058.45</u>
3.120 · Information Systems	
IT Support	1,674.19
Total 3.120 · Information Systems	<u>1,674.19</u>
3.143 · Legal	124.20
3.144 · Eng. & Tech.	724.50
3.170 · Misc. & mileage	156.88
3.191 · Employee Payroll	
payroll	39,144.05
Total 3.191 · Employee Payroll	<u>39,144.05</u>
3.192 · Employer Liabilities	
Admin payroll processing	44.92
Administration FICA	2,186.85
Administration PERA	2,260.82
Insurance Benefit	4,820.58
Total 3.192 · Employer Liabilities	<u>9,313.17</u>
Total 3.1 · Administrative/Operations	<u>53,195.44</u>
3.2 · Monitoring and Studies	
3.210 · Lake & Creek lab analysis	1,796.85
3.240 · Watershed Plan Amendment	110.72
Total 3.2 · Monitoring and Studies	<u>1,907.57</u>
3.3 · Education and Outreach	
3.310 · Public Education	166.86
3.320 · Marketing	39.95
Total 3.3 · Education and Outreach	<u>206.81</u>
3.4 · Capital Imp. Projects/Programs	
3.420 · Lambert Creek Restoration	

LL VLAWMO cash match	19,384.42
WBIF Grant (\$69,528.50)	69,528.50
1 · LL grant \$302,679	38,274.67
Total 3.420 · Lambert Creek Restoration	127,187.59
3.421 · Lambert Lake Loan \$385,689.54	19,284.48
3.440 · Gilfillan Black Tamarack Wilkin	
Wilkinson 319 grant 320705.50	17,249.00
Total 3.440 · Gilfillan Black Tamarack Wilkin	17,249.00
3.450 · Pleasant Charley Deep	1,922.00
Total 3.4 · Capital Imp. Projects/Programs	165,643.07
3.48 · Programs	
3.480 · Soil Health Grant	0.00
3.481 · Landscape 1 - cost-share	4,815.38
3.482 · Landscape 2	150.00
3.485 · Facilities & Maintenance	13,622.70
Total 3.48 · Programs	18,588.08
Total Expense	239,540.97
Net Ordinary Income	-164,285.12
Net Income	-164,285.12

Vadnais Lake Area Water Management Organization
Check Detail

11:29 AM

11/02/2022

October 13 through November 9, 2022

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	eft	11/01/2022	Reliance Standard		Checking - 1987		-303.62
				Insurance Benefit		-91.50	91.50
				Insurance Benefit		-212.12	212.12
TOTAL						-303.62	303.62
Check	5449	10/26/2022	Peterson Companies, Inc.		Checking - 1987		-125,732.50
				BWSR WBF grant		-69,528.50	69,528.50
				1 · LL grant \$302,679		-36,819.58	36,819.58
				LL VLAWMO cash match		-19,384.42	19,384.42
TOTAL						-125,732.50	125,732.50
Check	5450	11/09/2022	Mary Felix		Checking - 1987		-1,661.63
				3.481 · Landscape 1 - cost-share		-1,661.63	1,661.63
TOTAL						-1,661.63	1,661.63
Check	5451	11/09/2022	justin charpenter		Checking - 1987		-3,153.75
				3.481 · Landscape 1 - cost-share		-3,153.75	3,153.75
TOTAL						-3,153.75	3,153.75
Check	5452	11/09/2022	City Of Roseville		Checking - 1987		-1,300.19
				IT Support		-1,300.19	1,300.19
TOTAL						-1,300.19	1,300.19
Check	5453	11/09/2022	RMB Environmental Laboratories, Inc.		Checking - 1987		-1,331.85
				3.210 · Lake & Creek lab analysis		-271.16	271.16
				3.210 · Lake & Creek lab analysis		-789.53	789.53
				3.210 · Lake & Creek lab analysis		-271.16	271.16
TOTAL						-1,331.85	1,331.85
Check	5454	11/09/2022	Natural Shore Technologies, Inc		Checking - 1987		-10,268.50
				3.485 · Facilities & Maintenance		-10,268.50	10,268.50
TOTAL						-10,268.50	10,268.50
Check	5455	11/09/2022	Minnesota Pollution Control Agency		Checking - 1987		-19,284.48
				3.421 · Lambert Lake Loan \$385,689.54		-19,284.48	19,284.48
TOTAL						-19,284.48	19,284.48
Check	5456	11/09/2022	City of Vadnais Heights		Checking - 1987		-2,058.45
				Rent		-1,665.00	1,665.00
				Phone/Internet/Machine Overhead		-295.00	295.00
				Postage		-28.08	28.08

			Copies	-70.37	70.37
TOTAL				<u>-2,058.45</u>	2,058.45
Check	5457	11/09/2022 City of White Bear Lake	Checking - 1987		-39,153.60
			payroll	-30,144.05	30,144.05
			Administration FICA	-2,186.85	2,186.85
			Administration PERA	-2,260.82	2,260.82
			Insurance Benefit	-4,516.96	4,516.96
			Admin payroll processing	<u>-44.92</u>	44.92
TOTAL				<u>-39,153.60</u>	39,153.60
Check	5458	11/09/2022 Press Publications	Checking - 1987		-110.72
			3.240 · Watershed Plan Amendment	-85.48	85.48
			3.240 · Watershed Plan Amendment	<u>-25.24</u>	25.24
TOTAL				<u>-110.72</u>	110.72
Check	5459	11/09/2022 Kennedy & Graven, Chartered	Checking - 1987		-1,973.40
			3.144 · Eng. & Tech.	-724.50	724.50
			3.143 · Legal	-124.20	124.20
			3.485 · Facilities & Maintenance	<u>-1,124.70</u>	1,124.70
TOTAL				<u>-1,973.40</u>	1,973.40
Check	5460	11/09/2022 City Of Roseville	Checking - 1987		-374.00
			IT Support	<u>-374.00</u>	374.00
TOTAL				<u>-374.00</u>	374.00
Check	5461	11/09/2022 Ramsey County	Checking - 1987		-150.00
			3.482 · Landscape 2	<u>-150.00</u>	150.00
TOTAL				<u>-150.00</u>	150.00
Check	5462	11/09/2022 Barr Engineering Co	Checking - 1987		-465.00
			3.210 · Lake & Creek lab analysis	<u>-465.00</u>	465.00
TOTAL				<u>-465.00</u>	465.00
Check	5463	11/09/2022 Houston Engineering, Inc	Checking - 1987		-19,478.50
			Wilkinson 319 grant 320705.50	-17,249.00	17,249.00
			3.485 · Facilities & Maintenance	<u>-2,229.50</u>	2,229.50
TOTAL				<u>-19,478.50</u>	19,478.50
Check	5464	11/09/2022 SEH	Checking - 1987		-1,455.09
			1 · LL grant \$302,679	<u>-1,455.09</u>	1,455.09
TOTAL				<u>-1,455.09</u>	1,455.09
Check	5465	11/09/2022 carp solutions	Checking - 1987		-1,922.00
			3.450 · Pleasant Charley Deep	<u>-1,922.00</u>	1,922.00
TOTAL				<u>-1,922.00</u>	1,922.00

	Check	5466	11/09/2022 Leslie Scherer	Checking - 1987		-1,000.00	
				3.480 · Soil Health Grant		-1,000.00	1,000.00
TOTAL						<u>-1,000.00</u>	<u>1,000.00</u>
	Check	5467	11/09/2022 Dawn Tanner	Checking - 1987		-50.00	
				3.170 · Misc. & mileage		-50.00	50.00
TOTAL						<u>-50.00</u>	<u>50.00</u>
	Check	5468	11/09/2022 Phil Belfiori	Checking - 1987		-10.00	
				3.170 · Misc. & mileage		-10.00	10.00
TOTAL						<u>-10.00</u>	<u>10.00</u>
	Check	5469	11/09/2022 Nicholas Voss	Checking - 1987		-40.58	
				3.170 · Misc. & mileage		-20.63	20.63
				3.320 · Marketing		-19.95	19.95
TOTAL						<u>-40.58</u>	<u>40.58</u>
	Check	5470	11/09/2022 Brian Corcoran	Checking - 1987		-76.25	
				3.170 · Misc. & mileage		-76.25	76.25
TOTAL						<u>-76.25</u>	<u>76.25</u>

Vadnais Lake Area Water Management Organization
Custom Transaction Detail Report
 September 1 through November 1, 2022

11:24 AM

11/02/2022

Accrual Basis

Type	Date	Num	Name	Memo	Account	Clr	Split	Amount	Balance
Sep 1 - Nov 1, 22									
Credit Card Charge	09/02/2022		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	42.00	42.00
Credit Card Charge	09/09/2022		adobe *photography plan		US Bank CC	√	Software	9.99	51.99
Credit Card Charge	09/13/2022		Go Daddy	domain renewal	US Bank CC	√	WEB	21.17	73.16
Transfer	09/20/2022			Funds Transfer	US Bank CC	√	Checking - 1987	-628.94	-555.78
Credit Card Charge	09/26/2022		Adobe "Creative Cloud		US Bank CC	√	Software	32.20	-523.58
Credit Card Charge	10/01/2022		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	42.00	-481.58
Credit Card Charge	10/03/2022		Best Buy	laptop charger Dawn	US Bank CC	√	3.310 · Public Education	64.41	-417.17
Credit Card Charge	10/12/2022		Amazon.com	camara tripod	US Bank CC		3.320 · Marketing	54.93	-362.24
Credit Card Charge	10/28/2022		Meta	lake care weekend	US Bank CC		3.320 · Marketing	20.00	-342.24
Credit Card Charge	10/28/2022		EDCO	engraved plate	US Bank CC		3.310 · Public Education	83.43	-258.81
Credit Card Charge	10/28/2022		EDCO	engraved plate	US Bank CC		3.310 · Public Education	83.43	-175.38
								-175.38	-175.38
Sep 1 - Nov 1, 22									

TEC Staff Memo – November 9, 2022

IV. Administration & Operations

A. Recognition of Appreciation

VLAWMO extends its thanks for the time and energy TEC members have contributed to the watershed.

B. Financial Report for October & Authorization for Payment

Please find the November 2022 Finance Report attached in the ePacket for review and approval.

V. Programs

A. Cost Share Program Updates

VLAWMO has offered grant programs since 2007. Staff routinely reviews each program and determines if any updates or improvements are necessary based on comments and experiences from the previous year. VLAWMO staff are proposing policy changes for the Soil Health Grant Program, Landscape Level 1 Grant Program, and Landscape Level 2 Grant Program for 2023, with further non-substantive, aesthetic changes proposed to the program materials for the above programs and the Rain Barrel Grant Program.

Staff is proposing a two-phased TEC review of the draft updated program materials. The larger policy-based proposed changes will be presented and considered for recommendation at the November 9th TEC meeting. The final draft changes to program materials will be presented at the December 14th TEC meeting after review by the VLAWMO Board Subcommittee in later November.

In the TEC packet as attached are the proposed draft grant policy and application packets for each of the four VLAWMO cost share programs (Soil Health Grant Program, Landscape Level 1 Grant Program, Landscape Level 2 Grant Program and Rain Barrel Grant Program) and a powerpoint summarizing the larger policy-based proposed changes.

Requested action: Staff recommend the TEC recommends approval of the proposed 2023 cost share program policy changes to the VLAWMO Subcommittee and Board of Directors.

B. 2022 Watershed Awards Vote

The nomination period for the 2022 watershed awards has closed. Nominations for 2022 are included in this month's packet. Staff will review the nominations during the November TEC meeting and proceed to facilitate this year's vote. Votes will be officially presented with awards, certificates, and press releases at the December, 2022 Board meeting.

Nominations for each award include:

- Watershed Steward Award:
 - Stefan Bruvelis (VLAWMO volunteer)
 - Megan Sigmon-Olsen (Cost-share recipient)

- Watershed Partner Award:
 - Molly Churchich (Ramsey County)
 - Sara Svir (Vadnais Heights Elementary)

Visit the VLAWMO website for examples of past award winners: <https://www.vlawmo.org/get-involved/awards/>

VI. Projects

A. Vadnais-Sucker Lake Regional Park restoration update:

Last year, VLAWMO entered into a joint powers agreement with Great River Greening, Saint Paul Regional Water Services, and Ramsey County to restore 43-45 acres of wetland and upland within the Vadnais-Sucker Lake Regional Park. This project builds on channel stabilization and shoreline restoration efforts that were completed in the park in 2018. In 2020, Great River Greening successfully received \$154,000 from the State's Outdoor Heritage fund to complete restoration activities in the park including buckthorn removal and treatment, and reseeding and replanting with native species. Staff began meeting with partners on construction and communication planning for the project this fall. VLAWMO has completed draft temporary construction signage and interpretative, ecological signage to be posted during restoration activity work to notify and educate park visitors. Great River Greening recently completed a draft RFP for the project, which staff had the opportunity to review. The RFP is planned to be posted to the public on November 3rd. Staff will be meeting with partners next week to discuss the received bids and next steps.

- ### B. Maintenance plan scope of work for 2023 and partner support:
- VLAWMO staff have been coordinating closely with Natural Shore Technologies (NST) for maintenance of our project sites during 2022. At the end of the growing season, VLAWMO requested an updated quote for 2023. NST provided that, along with their recommendations per site for what is needed to keep the sites healthy. NST removes invasive species, cleans up overgrown plant material, conducts clean-outs of the Birch iron-enhanced sand filter, and adds native plants to replace loss over time. The quote for maintenance work in 2023 with NST is include in the packet.

Ongoing removal of invasive Yellow iris on Deep and Pleasant Lakes is part of the maintenance contract with NST for 2023. This work is being done to protect the native plant community in these areas and prevent this invasive species from becoming infested in downstream waterbodies including Sucker and East Vadnais Lake.

VLAWMO staff conduct Yellow iris surveys to identify removal needs prior to removal with NST. NST conducts 2-3 rounds of removal over the course of the growing season. During 2023, NOHOA has agreed to partner with VLAWMO to increase the amount of removal accomplished next year. VLAWMO will be contributing \$3,000 to the effort, and NOHOA will be contributing \$2,500, for a total of \$5,500 to removal of Yellow iris on Deep and Pleasant Lakes in 2023. This will allow full coverage of Deep Lake shoreline and coverage of a large amount of Pleasant Lake shoreline. VLAWMO will prioritize conducting a survey of Yellow iris on Wilkinson Lake and the connecting channel areas during 2023, to inform work in 2024. A Memorandum of Understanding (MOU) for the partnership work between VLAWMO and NOHOA in 2023 is included in the packet.

- Requested action:** VLAWMO staff request that the TEC recommend to the Board: 1) Authorization of the maintenance contract for 2023 with NST during the Dec. Board meeting as part of the consent agenda, and 2) Signing the MOU with NOHOA for financial partnership on continued invasive Yellow iris removal on Deep and Pleasant Lakes.
- C. Wilkinson BMP Project update:** Houston Engineering, Inc. continues work on design for this project. The wetland delineation is being reviewed in the field by the Technical Evaluation Panel (TEP) on 10/31/2022. Soil samples are also being collected on 10/31/2022 at the site to evaluate potential contamination and determine appropriate fill procedures during construction. The results of this sampling will further inform construction cost estimation and help to determine optimal spoil placement (onsite vs. offsite). A meeting with a primary project partner, NOC, is set for 11/2/2022. The focus of this meeting is sharing project status and progress.
- D. Meander monitoring with NearMap:** NearMap is an aerial imagery database with easy access for government entities. It is useful because at least 2 fly-overs are conducted each year and rapidly uploaded to the NearMap imagery collection. This is an especially useful tool for monitoring hard-to-access sites, such as the meander at Lambert Lake and stormwater pond.





May 6, 2022: Second spring for the meander



September 13, 2022: Fall season following an extended drought



- E. CLP grant closed, restoration maintenance for the year complete, and thank you for partner support:** Following a busy growing season with multiple shipments of plants including plugs, bare roots, and large mature plants, the work in the Conservation Partners Legacy site enhancement grant has been completed. The grant was closed out during late October. Community-engaged learning students have been working at the site during the fall. They have been helping with planting bare-root plants and broadcasting seed. They also helped VLAWMO staff complete buckthorn removal maintenance at the site during October. As part of the strategy to prevent rapid recolonization of buckthorn, students, working with VLAWMO staff, removed a few (~5) large, fruiting buckthorn trees from the right-of-way across the street. The trees were piled next to the restoration area for pick-up by the City of White Bear Lake. We appreciate the involvement of our partners in helping us keep these sites looking good. This partnership work helps to protect the investment of the grant in native plants added to the site and prevent recolonization of invasive plants. Both of these aspects are important in providing optimal iron-enhanced sand filter function at the site and improved wildlife habitat.

This restoration area (at 4th and Otter Lake Road) is also part of a network of restoration sites. It is located 0.5 miles to the south of Tamarack Nature Center and 0.3 miles to the east of Rotary Nature Preserve, both of which have large restoration projects underway.

V. A. Attachment #1

VLAWMO Proposed 2023 Grant Program Policy Changes

Lauren Sampedro
TEC Meeting
11/9/22



Rain Barrel Grant



No substantive changes to policy/application

- Changes focused on clarifying existing language and aesthetics

Soil Health Grant



Ineligible Projects

- Added:
 - Projects that have received funding from other VLAWMO grant programs in the same year
 - Maintenance of previously awarded grant projects

Vadnais Lake Area Water Management Organization

Soil Health Grant



Grant Program Details

- Added:
 - \$20/hr landowner labor rate to count towards project match
 - Erosion control activities must use natural material
 - Changes after grant approval must be approved by VLAWMO
 - Grant extension language
 - Hybrid plants not eligible for reimbursement unless on approved VLAWMO list
 - Required education components

Vadnais Lake Area Water Management Organization

Landscape Level 1 Grant



Policy & Project Eligibility

- Added 25% funding level
- Added eligible practices:
 - Improving existing water quality projects
 - Agricultural water quality practices
 - Stormwater reuse for irrigation or groundwater preservation projects
- Ineligible practices:
 - Added projects that have received funding from other VLAWMO grants
 - Added maintenance of existing projects
 - Added projects necessary to meet minimum permit requirements or VLAWMO water standards
 - Removed retaining walls (some raingardens may require one)

Vadnais Lake Area Water Management Organization

Landscape Level 1 Grant



Grant Program Details

- Added \$20/hr landowner labor rate to count towards project match
- Added erosion control activities must use natural material
- Added changes after grant approval must be approved by VLAWMO
- Revised maintenance period to 10 year minimum

Vadnais Lake Area Water Management Organization

Landscape Level 2 Grant



Policy & Project Eligibility

- Added eligible program applicants of private businesses, homeowner's associations, and nonprofit organizations
- Revised eligible projects for flexibility and incorporation of all possible partner projects, including adding smart irrigation controllers
- Ineligible practices:
 - Added projects that have received funding from other VLAWMO grants
 - Added maintenance of existing projects
 - Added projects necessary to meet minimum permit requirements or VLAWMO water standards

Vadnais Lake Area Water Management Organization

Landscape Level 2 Grant



Policy & Project Eligibility Cont'd

- Added requirement of pre-application meetings before application submittal (changed from a recommendation)
- Added smart irrigation controller pilot/test sites as eligible
- Added erosion control activities must use natural material
- Removed 85% advanced payment before project completion option

Vadnais Lake Area Water Management Organization

Upcoming Changes for December



Design Changes to Documents

- Additional reductions in text & changes to plain language
- Revised formatting for more white space
- Addition of pictures & color
- Create consistent look of all program documents for VLAWMO branding including fliers

Vadnais Lake Area Water Management Organization

Staff Recommendation



Recommend approval of proposed 2023 cost share program policy changes to the Board Subcommittee and Board of Directors

Vadnais Lake Area Water Management Organization



RAIN BARREL GRANT APPLICATION

Landowners may purchase and receive reimbursement for up to two rain barrels and applicable installation equipment per grant year. VLAWMO will reimburse 50% of the cost, up to \$100 for each rain barrel. Total reimbursement cannot be more than \$200. Reimbursement is on a first come, first served basis until grant funds are depleted. VLAWMO reserves discretion in determining the eligible materials, grant funding, and reimbursement amounts.

Steps for Reimbursement:

1. Submit completed application
2. Submit copies of paid receipts/invoices for the rain barrel(s). Rain barrel(s) purchased must be clearly stated on proof of purchase. Proof of purchase may not be more than two years past the day the application is received.
3. VLAWMO review of application & notification of application completeness

APPLICATION

Name:	
Address:	
City/Twp, State, Zip:	
Phone:	
Email:	
Signature & Date:	
Grant Amount Requested (50% total purchase price): \$	# Rain Barrels Purchased (limit 2):

Send completed application via mail/email to: Lauren Sampedro, Watershed Technician & Program Coordinator
 800 County Road E East, Vadnais Heights, MN 55127
lauren.sampedro@vlawmo.org
 651-204-6071

VLAWMO may inspect rain barrel grant projects for up to 5 years after grant approval. By signing, the grantee agrees and certifies the approved rain barrel(s) will be installed as rain water capture or storage device(s) and be contained within the VLAWMO boundary. VLAWMO reserves the right to deny all future grant applications if these criteria are not met.



SOIL HEALTH GRANT POLICY

The Soil Health Grant Program is a reimbursement program to help landowners install small-scale practices that improve water quality and soil health within Vadnais Lake Area Water Management Organization (VLAWMO). Applicants may apply for 75% of the project cost, up to a maximum of \$750. An applicant may apply for up to \$1,000 if located in a [VLAWMO priority area](#).

Eligible Projects:

- Native plantings & pollinator gardens
- Turf grass replacement and pollinator-friendly yards (i.e. bee lawns)
- Downspout or small-scale yard raingardens
- Buffer strips
- Erosion control or stabilization

Ineligible Projects:

- Non-native plant landscaping, decorative, or recreational projects
- Retaining walls
- Chemical treatment of aquatic vegetation
- Projects that have received funding from other VLAWMO grant programs in the same year
- Maintenance of awarded grant projects

Soil Health Grant Process

Soil Health Grant funding is available to landowners within the VLAWMO boundary. The grant program operates on a first-come, first-served basis. Applications must be submitted by the 4th Friday of the month for review and potential consideration at VLAWMO's Technical Commission meetings on the 2nd Wednesday of each month.

1. Contact staff to schedule a site visit of your property before submittal of a grant application to discuss your proposed project
2. Complete a grant application (see page 3) and submit to staff listed on the grant application
3. VLAWMO will review application and confirm completeness
4. Complete applications will be presented at the next VLAWMO Technical Commission meeting per its [meeting schedule](#).
5. VLAWMO will notify applicant of application status and next steps

Grant Program Details

- **Projects started prior to VLAWMO approval are not eligible.** A grant application must be approved for funding, and the grant agreement must be signed by the applicant and VLAWMO prior to the start of work to be eligible for funding.

- Eligible project costs are those only directly related to installing the proposed project such as plants, erosion control materials, mulch, drainage structures, and rented equipment. Purchased tools and equipment are not eligible. Eligibility of materials is subject to VLAWMO approval.
- Eligible labor costs must be those expenses associated with a qualified landscaper/contractor and are subject to approval by VLAWMO staff. Landowner labor may apply towards the project match at a rate of \$20/hr. VLAWMO reserves the right to adjust costs submitted for reimbursement based on final paid receipts and invoices. Reimbursement will not exceed the cost of eligible materials and labor.
- Erosion control activities must utilize natural erosion control material, such as non-plastic netting.
- For all projects, only plants native to Minnesota are eligible for grant reimbursement. Hybrids/cultivars of native plants are not eligible for reimbursement unless otherwise noted on *[insert resource sheet name & link here]*. Bee lawns must be specially marked bee lawn mixes. A list of proposed plants must be included with the application for VLAWMO review and approval.
- **Changes to the project after grant approval may not be made without approval by VLAWMO.**
- Grant awards will expire within one year of grant approval unless the project is extended with VLAWMO approval.
- Grantee must agree to maintain the project for a minimum of **5 years**. The site may be inspected by VLAWMO staff to ensure compliance.
- Grantee must participate in VLAWMO's education and outreach efforts by:
 - Providing pictures of project progress, including one year after project completion; OR
 - Providing a posed picture with completed project & short quote about what was enjoyable about the project or lessons learned.
- Landowners are limited to one grant application every other year unless a single project must be completed in consecutive phases and approved by VLAWMO.

Reimbursement Steps:

1. Execute grant agreement with VLAWMO (see page 5).
2. After project completion, contact VLAWMO staff to request a final inspection of the project for verification it meets the approved plans. This must occur within one year from the date of grant approval.
3. Submit all **paid** invoices and receipts of project expenses for VLAWMO review. Plant expenses must show species on proof of payment or via grantee's annotations or supplemental spreadsheet. Final grant award amounts will be based on the completed work and total paid project amount.
4. If the above steps are completed and approved by staff, VLAWMO will mail a reimbursement check per the VLAWMO Technical Commission's monthly meeting schedule.



SOIL HEALTH GRANT APPLICATION

Submit Completed Application to:
Lauren Sampedro
lauren.sampedro@vlawmo.org

Applicant Information

Name:
Address:
City/Township, State, Zip:
Phone:
Email:

Project Summary

ESTIMATED TOTAL PROJECT COST: \$ _____ AMOUNT REQUESTED: (\$750 MAX or \$1,000 in Priority Area) \$ _____

EXPECTED PROJECT COMPLETION (Month, Year): _____

PROJECT TYPE:

- Downspout / Small Raingarden Native Restoration/Pollinator Garden Turf Grass Replacement Other

If other, please describe proposed project: _____

Project Background

Describe your property. Does your property connect to a lake, stream, ditch, or wetland in VLAWMO? What is the purpose of your project?

Describe how your project will support the goals of the Soil Health Grant Program (see policy).

Briefly describe planned installation and maintenance activities for your project.

Project Specifications

Provide the following information to assist VLAWMO staff in determining the water quality benefits of your project:

TOTAL PROPERTY
AREA
(Acres): _____

TOTAL PROJECT
SIZE (SQ.FT.): _____

IF APPLICABLE]
DEPTH OF RAINGARDEN BASIN:
(INCHES): _____

Required Attachments

- Detailed drawing or plan of the proposed project.
- Detailed project budget estimate with itemized costs and materials that equal your total estimated cost.

VLAWMO SOIL HEALTH GRANT AGREEMENT

It is understood that:

1. The grantee is responsible for maintaining the project for at least 5 years after its installation. VLAWMO is not responsible for completing maintenance activities.
2. The grantee will participate in VLAWMO's outreach and project sharing efforts.
3. A project may be visited and inspected by a VLAWMO representative during the 5-year maintenance period.
4. Grant awards will expire within one year of grant approval unless the project is extended with VLAWMO approval.

The applicant's signature indicates their agreement to the above terms and certifies the grant application information is true and accurate. A VLAWMO staff signature will constitute an approved and executed grant agreement between the grantee and the VLAWMO.

APPLICANT/GRANTEE

Signature _____ Date _____

VLAWMO STAFF

Signature _____ Date _____



VLAWMO LANDSCAPE LEVEL 1 GRANT POLICY

The Landscape Level 1 (LL1) Grant Program is a reimbursement program to help landowners install practices that improve water quality and preserve groundwater within Vadnais Lake Area Water Management Organization (VLAWMO).

VLAWMO may fund 25-50% of the total cost of approved materials and contracted labor up to a maximum of \$5,000. Highly beneficial projects that significantly reduce stormwater volume and nutrients like curb cut raingardens may receive 75% of the cost of the project up to a maximum of \$7,500. VLAWMO reserves the right to adjust requested funding levels based on funding availability and estimated benefits.

Landscape Level 1 Grant Program Goals:

- Reduce stormwater rate and volume
- Stabilize and restore actively-eroded shorelines/streambanks
- Reduce nutrient loading and improve water quality
- Protect and preserve groundwater quality and quantity

Eligible Projects:

- Infiltration projects including but not limited to raingardens, infiltration basins, permeable pavers or pavement, and tree trenches
- Filtration projects including but not limited to filtration basins, swales, and green roofs
- Shoreline and streambank restorations of actively-eroding banks
- Critical erosion control and stabilization projects
- Agricultural water quality practices
- Projects that improve existing water quality projects (i.e. a new pre-treatment inlet structure)
- Stormwater reuse for irrigation or other groundwater preservation projects

Ineligible Projects:

- Landscaping and decorative projects for recreational or aesthetic purposes
- Chemical treatment of aquatic vegetation (*excluding* alum or spent lime)
- Vegetation restoration without stormwater treatment (see [Soil Health Grant Program](#))
- Projects necessary to meet minimum permit requirements or VLAWMO water standards
- Projects that have received funding from other VLAWMO grant programs in the same year
- Maintenance of awarded grant projects

Landscape Level 1 Grant Process

Landscape Level 1 Grant funding is available to landowners within the VLAWMO boundary. The grant program operates on a first-come, first-served basis. All submitted applications are subject to VLAWMO scoring to determine funding eligibility and approval by the VLAWMO Technical Commission and/or Board of Directors.

1. Contact staff to schedule a site visit of your property before submittal of a grant application to discuss your proposed project
2. Complete a grant application (see page 4) and submit to staff listed on the grant application
3. VLAWMO may require a final design completed by a qualified professional or engineer for complex projects

4. VLAWMO will review application and confirm completeness
5. Complete applications that meet the minimum criteria will be presented at the next VLAWMO Technical Commission meeting and/or Board of Directors meeting per their [meeting schedule](#)
6. VLAWMO will notify applicant of application status and next steps, including execution of a grant agreement

Grant Program Details

- **Projects started prior to VLAWMO approval are not eligible.** A grant application must be approved for funding, and the grant agreement must be signed by the applicant and VLAWMO prior to the start of work to be eligible for funding.
- Eligible project costs are those only directly related to installing the proposed project such as plants, erosion control materials, mulch, drainage structures, and rented equipment. Purchased tools and equipment are not eligible. Eligibility of materials is subject to VLAWMO approval.
- Eligible labor costs must be those expenses associated with a qualified landscaper/contractor and are subject to approval by VLAWMO staff. Landowner labor may apply towards the project match at a rate of \$20/hr. VLAWMO reserves the right to adjust costs submitted for reimbursement based on final paid receipts and invoices. Reimbursement will not exceed the cost of eligible materials and labor.
- VLAWMO may consider design costs through the Ramsey County Soil & Water Conservation Division or from another contractor as eligible grant costs, up to \$1,500.
- Erosion control activities must utilize natural erosion control material, such as non-plastic netting.
- For all projects, only plants native to Minnesota are eligible for grant reimbursement. Hybrids/cultivars of native plants are not eligible for reimbursement unless otherwise noted on *[insert resource sheet name & link here]*. A list of proposed plants must be included with the application for VLAWMO review and approval.
- At least 2 bids for construction of proposed projects must be submitted with the application. VLAWMO reserves the right to reject a project design or submitted bid for any reason.
- Permeable paver projects must meet [Minnesota Pollution Control Agency](#) installation guidelines and treat at least 1,500 sq. ft. of hard surface runoff.
- **Changes to the project after grant approval may not be made without approval by VLAWMO.**
- Grantee is responsible for securing any and all required permits, easements, and approvals prior to the start of the project.
- Grantee must complete the project and submit a reimbursement request within one (1) year from date of grant approval unless the project is extended with VLAWMO approval.
- Grantee must agree to maintain the project for a **minimum of 10 years**. The site may be inspected by VLAWMO staff during this time period to ensure compliance.
- Any submitted information (applications, designs, cost estimates, bids, permits, studies, reports, and proof of expenditures) becomes part of the public record.
- VLAWMO reserves the right to withdraw or withhold funding for any project not completed in accordance with these guidelines or the terms of its executed grant agreement.

- Landowners are limited to one grant application every other year unless a single project must be completed in consecutive phases and approved by VLAWMO.
- The VLAWMO Board of Directors may shift grant funding amounts between Landscape Level 1 and Landscape Level 2 program budgets.

Grant Funding Agreement

Each grantee must enter into a grant agreement with VLAWMO defining the obligations of the grantee and VLAWMO and expectations for project maintenance. The agreement also allows VLAWMO access to the project area for inspection and promotion of the project. The grant agreement must be signed by both parties prior to starting work on the project.

Reimbursement Steps

1. Submit signed grant agreement and execute with VLAWMO.
2. After the project is complete, contact VLAWMO staff to request a final inspection of the project for verification it meets the approved plans. This must occur within one year from the date of grant approval.
3. Submit all **paid** invoices and receipts of project expenses for VLAWMO review. Plant expenses must show species on proof of payment or via grantee's annotations or supplemental spreadsheet. Final grant award amounts will be based on the completed work and total paid project amount.
4. If the above steps are completed and approved by staff, VLAWMO will mail a reimbursement check per the VLAWMO Technical Commission's monthly meeting schedule.



LANDSCAPE LEVEL 1 GRANT APPLICATION

Submit Completed Application to:
Lauren Sampedro
lauren.sampedro@vlawmo.org

APPLICANT INFORMATION

NAME: _____

ADDRESS: _____ CITY/TWP: _____ ZIP: _____

PHONE: _____ EMAIL: _____

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ _____ AMOUNT REQUESTED: (\$5,000 MAXIMUM) \$ _____

EXPECTED PROJECT COMPLETION (Month, Year): _____

TYPE OF PROJECT THAT WILL BE COMPLETED:

- Raingarden/ Infiltration Basin Shoreline/Streambank Stabilization & Restoration Filtration Other

If other, please describe proposed project: _____

PROJECT BACKGROUND

Describe the project location. Does it connect to a lake, stream, ditch, or wetland in VLAWMO? What issues will be addressed with this project?

Describe how your project will support the goals of the Landscape Grant Program (see grant policy).

Briefly describe planned installation and maintenance activities of your project.

PROJECT SPECIFICATIONS

Provide the following information to assist VLAWMO staff in determining the water quality benefits of your project:

TOTAL PROPERTY AREA
(ACRES): _____

TOTAL PROJECT
SIZE (SQ.FT.): _____

IMPERVIOUS AREA
DRAINING TO PROJECT
(SQ.FT.): _____

PERVIOUS AREA
DRAINING TO
PROJECT (SQ.FT.): _____

IF YOUR PROJECT INCLUDES INFILTRATION/FILTRATION, PROVIDE THE FOLLOWING:

DEPTH OF PRACTICE
(INCHES): _____

BOTTOM SURFACE AREA
(SQ.FT.): _____

REQUIRED ATTACHMENTS

- Detailed drawing or plan of the proposed project. If project is complex, VLAWMO may require project final designs to be completed by a qualified professional or engineer. Drawing must include project dimensions that enable VLAWMO staff to model the project for estimated water quality benefits.
- At least 2 bids for construction of proposed project.
- Detailed project budget estimate with itemized materials and costs that equal the total project cost.



VLAWMO LANDSCAPE LEVEL 2 GRANT POLICY

The Landscape Level 2 (LL2) Grant Program is a reimbursement program to partner with communities to install practices that improve water quality, manage stormwater, and preserve groundwater within Vadnais Lake Area Water Management Organization (VLAWMO).

Eligible projects must show measurable water quality improvements for program consideration. VLAWMO may fund 25-75% of the total cost of a project, or up to 90% for large-scale or highly beneficial projects that significantly improve water quality, increase flood storage, conserve groundwater, or provide regional benefits. VLAWMO reserves the right to adjust requested funding levels based on funding availability and estimated benefits.

Landscape Level 2 Grant Program Goals:

- Reduce stormwater rate and volume
- Stabilize and restore actively-eroding shorelines/streambanks
- Reduce nutrient loading and improve water quality
- Protect and preserve groundwater quality and quantity
- Increase flood storage
- Address goals and policies identified in the 2017-2026 VLAWMO Comprehensive Watershed Management Plan
- Provide educational value and highly visible projects

Eligible Projects:

- Water quality treatment projects
- Stormwater rate and volume control projects
- Water reuse
- Smart irrigation controllers
- Flood storage projects
- Stormwater retrofit or reconstruction projects that exceed permit or VLAWMO water standards

Ineligible Projects:

- Landscaping and decorative projects for recreational or aesthetic purposes
- Chemical treatment of aquatic vegetation (excluding alum or spent lime)
- Projects necessary to meet minimum permit requirements or VLAWMO water standards
- Projects that have received funding from other VLAWMO grant programs in the same year
- Maintenance of awarded grant projects

Landscape Level 2 Grant Process

Landscape Level 2 Grant funding is available to landowners including but not limited to municipalities, public agencies, private businesses, homeowner's associations, or nonprofit organizations. Projects within targeted areas listed in VLAWMO's Watershed Management Plan, Sustainable Lake Management Plans, or other feasibility reports will be

prioritized. All applications are subject to VLAWMO scoring to determine funding eligibility and approval by the VLAWMO Technical Commission and Board of Directors.

1. Contact staff to schedule a pre-application meeting to discuss project before submittal of a grant application
2. Schedule a site visit with staff to review the proposed project area
3. Complete a grant application (see page4) and submit to staff listed on the grant application
4. Applications are reviewed and scored by staff and/or consulting VLAWMO engineer if necessary
5. Complete applications that meet the minimum criteria will be presented at the next VLAWMO Technical Commission meeting and Board of Directors meeting per their [meeting schedule](#)
6. VLAWMO will notify applicant of application status and next steps, including execution of a grant agreement

Grant Program Details

- **Projects started prior to VLAWMO approval are not eligible.** A grant application must be approved for funding, and the grant agreement must be signed by the applicant and VLAWMO prior to the start of work to be eligible for funding.
- Eligible project costs are those only directly related to the proposed project, such as those associated with design and engineering, construction materials, labor, and drainage structures. Purchased tools and equipment are not eligible. Eligibility of materials is subject to VLAWMO approval.
- Smart irrigation controllers to be used on pilot/test sites are eligible project costs.
- Work associated with design, installation, and labor of crucial infrastructure must be performed by an experienced professional. Final plans are subject to professional review and approval by consulting VLAWMO engineer to ensure design standards, specifications, and outcomes meet program goals.
- Erosion control projects must utilize natural erosion control material, such as non-plastic netting.
- For all projects, at least 50% of the plants must be native to Minnesota. VLAWMO encourages all vegetation used to be native species.
- At least 2 bids for construction of proposed projects must be submitted with the application. VLAWMO reserves the right to reject a project design or submitted bid for any reason.
- VLAWMO may cover design costs through the Ramsey County Soil & Water Conservation Division depending on the project.
- Grantee is responsible for securing any and all required permits, easements, and approvals prior to the start of the project.
- Grantees must complete their approved project and submit a grant reimbursement request within one and a half (1.5) years from date of approval unless the project is extended with VLAWMO approval.
- Grantee must agree to maintain the project area for a **minimum of 10 years**. The site may be inspected by VLAWMO staff during this time period to ensure compliance.
- Any submitted information (applications, designs, cost estimates, bids, permits, studies, reports, and proof of expenditures) becomes part of the public record.
- VLAWMO reserves the right to withdraw or withhold funding for any project not completed in accordance

with these guidelines or the terms of its executed grant agreement.

- The VLAWMO Board of Directors may shift grant funding amounts between Landscape Level 1 and Landscape Level 2 program budgets.

Grant Funding Agreement

Each grantee must enter into a grant agreement with VLAWMO defining the obligations of the grantee and VLAWMO, and expectations for project maintenance. The agreement also allows VLAWMO access to the project area for inspection and promotion of the project. The grant agreement must be signed by both parties prior to starting work on the project.

If the project is funded with a State of Minnesota grant, additional Technical Quality Assurance grant agreement standards may be necessary to fulfill state eligibility requirements. Where VLAWMO's policies differ from state standards, the grant agreement requirements with the state agency shall prevail.

Reimbursement Steps

1. Submit signed grant agreement and execute with VLAWMO.
2. After the project is complete, contact VLAWMO staff to request a final inspection of the project for verification it meets the approved plans. This must occur within 1.5 years from the date of grant approval.
3. Submit all **paid** invoices and receipts of project expenses for VLAWMO review. Plant expenses must show species on proof of payment or via grantee's annotations or supplemental spreadsheet. Final grant award amounts will be based on the completed work and total paid project amount.
4. If the above steps are completed and approved by staff, VLAWMO will mail a reimbursement check per the VLAWMO Technical Commission's monthly meeting schedule.



LANDSCAPE LEVEL 2 GRANT APPLICATION

Submit Completed Application to:
Lauren Sampedro
lauren.sampedro@vlawmo.org

APPLICANT INFORMATION

ORGANIZATION NAME: _____

PROJECT CONTACT: _____

ADDRESS: _____ CITY/TWP: _____ ZIP: _____

PHONE: _____ EMAIL: _____

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ _____ AMOUNT REQUESTED: \$ _____

APPLICANT MATCH _____

OUTSIDE FUNDING SOURCES _____

EXPECTED PROJECT COMPLETION (Month, Year) _____

TYPE OF PROJECT THAT WILL BE COMPLETED:

Water Quality Treatment Stormwater Rate and Volume Control Groundwater Conservation Other

If other, please describe proposed project: _____

PROJECT BACKGROUND

Describe the project location and water resources that will benefit from the project. What issues will be addressed with this project?

Provide estimated water quality results, stormwater rate/volume reduction, or groundwater conservation benefits associated with the project.

Describe the public education and outreach efforts or signage planned for the project.

List or describe any partnerships or other forms of support for the project.

PROJECT SPECIFICATIONS

TOTAL PROPERTY AREA
(SQ.FT.): _____

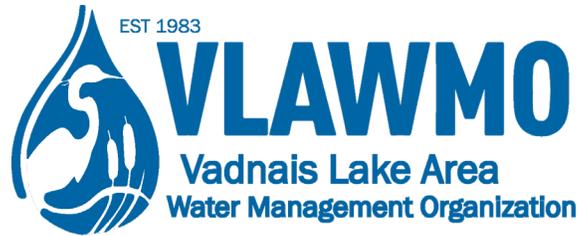
PROJECT SIZE
(SQ.FT.): _____

IMPERVIOUS AREA
DRAINING TO PROJECT
(SQ.FT.): _____

PERVIOUS AREA
DRAINING TO
PROJECT (SQ.FT.): _____

REQUIRED ATTACHMENTS

- Detailed final plan set of the proposed project that includes the estimated, quantitative outcomes of the project.
- At least 2 bids for construction of proposed project.
- Detailed project budget estimate with itemized materials and costs that equal the total project cost.



Watershed Partner Award Nomination

Nominee name and affiliation: Volunteer, resident, congregation, home/lake owner's association, community group/club, etc.

Molly Churchich, Environmental Services Supervisor, Ramsey County Public Works Department (nominated by the City of White Bear Lake)

Project(s): Ex. "BMP installation, project partnership, volunteer event." Include the goals of the effort, location, and nearby waterbody if applicable.

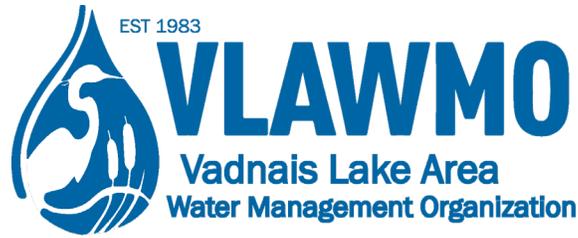
The County Road F raingarden retrofit project is located on County Road F between Highway 61 and McKnight Road in the City of White Bear Lake. A total of six curb cut raingardens were originally constructed as part of the 2003 County Road F reconstruction project to reduce stormwater volume and pollutants to East Goose Lake from the County Road and City streets. The County and City entered into a cooperative agreement in 2003 to share the operation and maintenance costs associated with the raingardens. Molly Churchich, the Environmental Services Supervisor at Ramsey County Public Works manages the ongoing raingarden maintenance work and invoices the City for its share of the cost. In 2018, Molly Churchich began discussions with the City about the need to retrofit the original County Road F raingarden inlet structures with curb cuts to improve the functionality of the raingardens. It was discovered that the original inlet structures were not diverting water from the street into the raingardens due to clogging and capacity issues. Molly also expressed interest reducing ongoing maintenance time and cost by adding pretreatment structures at each curb cut to prevent sediment build up in the bottom of the raingardens. In 2020 the County completed a retrofit project to restore and improve functionality of the raingardens. The project included installing curb cuts to improve the flow of water into the raingardens, installing Rainguardian pretreatment structures to prevent sediment and other debris from collecting in the raingardens, dredging previously accumulated sediment out of the raingardens, and replanting.

Time duration: Estimate of time spent working on projects listed above.

Each of the six raingarden varies between 400-1,100 square feet in area, with approximately 9-inch basin depths. The raingardens capture nutrients, sediment, and other pollutants in stormwater runoff from County Road F and City streets that would otherwise flow directly to East Goose Lake, which is on the MPCA impaired waters list for excess nutrients. Upon completion of the 2020 retrofit project, the six curb cut raingardens are estimated to reduce stormwater volume by 1,096,717 gallons per year, reduce total suspended solids by 498.9 pound per year, and reduce total phosphorus by 2.74 pounds per year. The County and City will continue to share ongoing maintenance responsibility for the County Road F raingardens as per the 2003 cooperative agreement.

Quote or summary statement: Based your the memory or experience of the effort, what's the "take-home" summary that describes how the community and watershed benefit? If there are any additional skills applied, networking examples, problem solving, cross-disciplinary strategies, or creative applications please also describe them to your best ability.

Molly Churchich, the Environmental Services Supervisor at Ramsey County Public Works was instrumental in the success of the County Road F raingarden retrofit project. Molly and her team at Ramsey County Public Works were responsible for all aspects of the project from concept through construction. Molly also applied for, and was successfully awarded, a grant from VLAWMO to help cover the cost of this project. She was in communication with the City and other partners at every stage of the process and provided the City opportunities to review and provide comment on the design plans. Because of Molly's leadership, this successful retrofit project restores and improves the functionality of the raingardens to help achieve County, City and VLAWMO pollutant reduction goals for East Goose Lake.



Watershed Partner Award Nomination

Nominee name and affiliation: Volunteer, resident, congregation, home/lake owner's association, community group/club, etc.

Sara Svir, Principal, Vadnais Heights Elementary

Project(s): Ex. "BMP installation, project partnership, volunteer event." Include the goals of the effort, location, and nearby waterbody if applicable.

Sara has shown initiative in keeping the raingarden active among her staff, keeping it in use as an outdoor learning tool. She's also connected and encouraged volunteers such as school parents and with Christ the Servant Lutheran Church across the street to keep up on active raingarden maintenance. In 2022 Sara led an extra effort to work with Natural Shores Technology to remove invasive Siberian Elm at the raingarden border. All of these efforts have allowed the Vadnais Heights Elementary "Bear's Backyard" raingarden to thrive and adapt for almost 10 years, which is an outstanding example of stormwater infrastructure being integrated into regular workflows and routines.

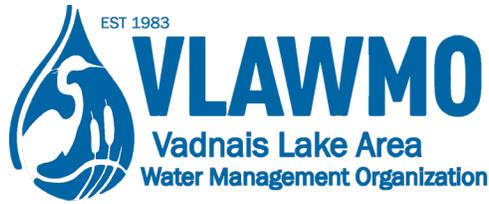
She has also communicated with the school district grounds crew around maintenance duties, helping to keep the raingarden active and valued along with other duties.

Time duration: Estimate of time spent working on projects listed above.

10-20 hours/year 2013-2022.

Quote or summary statement: Based your the memory or experience of the effort, what's the "take-home" summary that describes how the community and watershed benefit? If there are any additional skills applied, networking examples, problem solving, cross-disciplinary strategies, or creative applications please also describe them to your best ability.

Sara's effort has helped hundreds of students be familiar with raingardens as they grow and graduate through elementary school. The raingarden is near the school playground and basketball court, creating a unique blend of play space and green infrastructure.



Watershed Steward Award Nomination

Nominee name and affiliation: Volunteer, resident, congregation, home/lake owner's association, community group/club, etc.

Megan Simmons-Olson, cost-share recipient

Project(s): Ex. "BMP installation, business partnership event, volunteer recruitment event." Include the goals of the effort, location, and nearby waterbody if applicable.

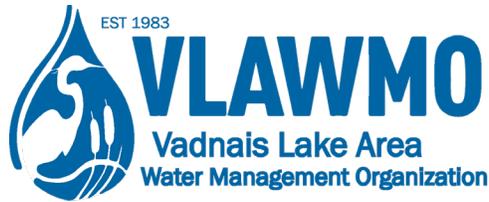
Curb cut rain garden (cost-share) accompanied by side raingarden (independent).

Time duration: Start of project to end of project (mo/yr) or an estimate of hours dedicated to the effort (prep, implementation, meetings, etc.)

Curb cut raingarden: 40 hrs estimated planning, planting, maintenance, and communications with neighbors. 50+ hours on independent raingarden. Estimated to have talked with 40 people about the raingardens.

Quote or summary statement: Based on the memory or experience of the effort, what's the "take-home" summary that describes how the community and watershed benefit? Are there any additional notable skills, problem solving examples, networking, cross-disciplinary strategies, or creative applications?

improve surface water quality. Very professional job that blends in with existing landscape. Project serves as a great example for community in importance of addressing water runoff



Watershed Steward Award Nomination

Nominee name and affiliation: Volunteer, resident, congregation, home/lake owner's association, community group/club, etc.

Stefan Bruvelis, VLA WMO volunteer

Project(s): Ex. "BMP installation, business partnership event, volunteer recruitment event." Include the goals of the effort, location, and nearby waterbody if applicable.

Stefan originally contacted VLA WMO in 2019 because he lives in the neighborhood and was concerned about native plants being damaged by people walking off trails at Vadnais-Sucker Lake Regional Park. That early contact led to placement of a sign, by VLA WMO and in coordination with Ramsey County Parks, to keep people on the trails and protect Bluebead lily patches. Bluebead lilies are notable in our watershed because they occur here, at the southern edge of their range, and are otherwise uncommon in the metro. Stefan was concerned about the lilies and other native plant areas within the park. He wondered if there were ways that he could help us improve habitat areas, especially in and around the park. Stefan's volunteer and stewardship efforts with VLA WMO have expanded dramatically since that first contact. He is a consistent and reliable volunteer, with a willingness to lead and dedication in helping with project development. He has an extensive depth of knowledge about restoration work that he shares with students and volunteers while working with them to carry out projects.

Stefan is a tireless worker against buckthorn and advocate for native plants. He took classes in restoration ecology at the University of Minnesota and has conducted his own restoration projects in Vadnais Heights, Rochester, and others. He has expanded beyond his own property areas to help neighbors and built an easy-to-use guide for people who are not familiar with restoring areas with native plants. He has a wealth of experience from these projects that he brings to the Ramsey County Park on the south end of East Vadnais Lake and remnant area at Vadnais and Twin Lakes Blvd. These are 2 areas that Stefan is leading in collaboration with VLA WMO. A brief summary of each site: Ramsey County Park on south end of East Vadnais: This area was a solid thicket of buckthorn. It was impassable and had many mature buckthorn trees producing loads of berries every year. Stefan led the charge and even spent many hours, even on his own and on weekends, working to clear buckthorn. He shared his knowledge with students and volunteers during workdays. His efforts, and the piles of buckthorn produced, led us to partner with the City of Vadnais Heights to chip and remove multiple loads of buckthorn from the site in 2020 and for Ramsey County to haul away large buckthorn piles in 2022.

Stefan collected seed from his restoration sites and donated that seed to this restoration. He has followed up by helping to reseed the site in 2021 and mowing to maintain the seeded area in 2022. Mowing is done to help provide space and time for slower-growing native plants to allow them to establish, while preventing weedy nonnatives from taking over and going to seed. His dedication to this site has spanned multiple years, included seed donation likely valued at thousands of dollars, and countless hours of labor. A key point about this site is that the restoration would not have been

undertaken without Stefan's dedication and willingness to lead the effort. Remnant at Vadnais and Twin Lakes Blvd: Stefan brought this site to the attention of VLAWMO staff. It is a small site but still supports healthy native leadplant. Leadplant is a late succession species found in mature prairies. Its presence indicates that this small patch has avoided being converted to nonnative and weedy species, even though it is close to the road intersection and adjacent to a wooded area with buckthorn. The area is also on the south side of East Vadnais Lake. With Stefan's indefatigable support and leadership, VLAWMO staff worked with the City of Vadnais Heights and SPRS to get permission and assistance for restoration of this remnant. UMN community-engaged learning students helped add fencing to define the area and placed smothering fabric to remove weedy nonnative in strategic areas and support the natives that remain, including wild roses and native grasses, in addition to leadplant. Stefan removed invasives and mowed the area during 2022. He is collecting seed to donate and broadcast at the site during fall 2022. He is helping VLAWMO staff select plants to continue to add to support pollinators during 2023.

This site would also not have been undertaken without Stefan's dedication and willingness to lead the effort. Stefan has also worked on the 4th and Otter restoration project with VLAWMO and the wooded wetland restoration at Vadnais Heights City Hall. He demonstrates a personal ethic of stewardship and a recognition that restoration can only happen when people show up and are willing to take initiative about places that they care about. He cares a lot about these places around Vadnais-Sucker Lake Regional Park, where he grew up. We, at VLAWMO, are lucky to get to work with him and inspired by his dedication.

Time duration: Start of project to end of project (mo/yr) or an estimate of hours dedicated to the effort (prep, implementation, meetings, etc.)

Stefan began volunteering with VLAWMO through contacts in 2019. He has spent many hours doing restoration work during 2020, 2021, and 2022. He has been leading projects with VLAWMO since 2020. Both projects that he has undertaken with us are still underway and have been going for multiple years.

Quote or summary statement: Based on the memory or experience of the effort, what's the "take-home" summary that describes how the community and watershed benefit? Are there any additional notable skills, problem solving examples, networking, cross-disciplinary strategies, or creative applications?

Stefan demonstrates a personal ethic of stewardship and a recognition that restoration can only happen when people show up and are willing to take initiative about places that they care about. He cares a lot about these places around Vadnais-Sucker Lake Regional Park, where he grew up. We, at VLAWMO, are lucky to get to work with him and inspired by his dedication.



October 31st, 2022

VLAWMO 2023 Vegetative Management Bid

Dear Dawn,

Thank you for considering Natural Shore for several VLAWMO BMPs and restoration sites again next season. Please find below our cost estimates outlined below for each individual site and what those costs include:

Estimated Maintenance for 2023:

Birch Lake Shoreline- \$1,500

- Spring clean-up plus 4 visits minimum throughout the growing season
- Control and disposal of undesirable weeds
- Small invasive tree removal and disposal (buckthorn/grapevine/honeysuckle/etc.)
- Supplemental native plants to boost biodiversity

Birch Lake IESF (including inlet and sand cleaning)- \$2,000

- Spring mowing plus 4 visits minimum throughout the growing season
- Small invasive tree removal and disposal (buckthorn/grapevine/honeysuckle/etc.)
- Supplemental native plant seed where needed
- Inlet or catch basin cleaning during site visits
- Raking top crust of sand to the adjacent retaining wall for pickup by City's vacuum truck

Sucker Channel Shoreline Restoration- \$1,200

- Spring clean-up plus 4 visits minimum throughout the growing season
- Control and disposal of undesirable weeds
- Small invasive tree removal and disposal (buckthorn/grapevine/honeysuckle/etc.)
- Supplemental native plants to boost biodiversity

Koehler Bend and Flume- \$2,000

- Spring mowing
- Spring and fall herbicide treatment
- 2-3 site visits to prevent weed seed maturation (weeding/whipping)
- Small invasive tree removal and disposal (buckthorn/locust/honeysuckle/etc.)
- Inlet or catch basin cleaning (removal of debris blocking grates)
- Supplemental native seed or plants to boost biodiversity

Oakemede Lane- \$1,000

- Spring mowing
- Spring and fall herbicide treatment
- 2-3 site visits to prevent weed seed maturation (weeding/whipping)
- Small invasive tree removal and disposal (buckthorn/grapevine/honeysuckle/etc.)
- Supplemental native seed or plants to boost diversity (2-3 flats)

USING ECOLOGY TO RESTORE LAND AND WATER



Deep Lake (South shoreline) and Pleasant Lake Yellow Iris Control- \$5,500

- Site Assessment-tagging & mapping by boat
- Cut seed head & herbicide treatment #1
- Herbicide treatment #2
- Follow up assessment and possible treatment #3
- Follow up treatment to 2022 North Shoreline Treatment

2023 VLAWMO Maintenance total- \$13,200

These costs are based on site conditions observed during a site assessment and the previous years' maintenance inputs. Prices include consultations, professional monitoring, plant identification, labor, removal and proper disposal of weeds, herbicide, and transportation.

Please let me know if you have any questions or concerns regarding the above estimate. We can work with you to adjust the number of visits or other maintenance strategies to align with any budget constraints you might have for each of the sites, or to better obtain your site objectives.

Thank you,
Tracy Lawler
Maintenance Program Manager
Cell: 612-220-4178
tracy@naturalshore.com

2023 Maintenance Contract
Approval of 2023 Vegetative Maintenance

Contract Value: \$ _____
Client names: VLAWMO

Signed: _____ Date _____

Contractor: Natural Shore Technologies, Inc.
Signed:

William M. Bartodziej, M.S.
Senior Restoration Ecologist, Natural Shore Technologies
Natural Shore Technologies, Inc.
6275 Pagenkopf Rd.
Maple Plain, MN 55359

**Memorandum of Understanding Between
Vadnais Lake Area Watershed Management Organization
and the North Oaks Home Owners' Association**

This Memorandum of Understanding (“**MOU**”) is made and entered into by and between the Vadnais Lake Area Watershed Management Organization (“**VLAWMO**”) and the North Oaks Home Owners' Association (“**NOHOA**”) each acting by and through its duly authorized governing bodies.

Whereas, VLAWMO and NOHOA mutually desire to improve and protect shoreline areas and water quality;

Whereas, the invasive Yellow iris removal project has been underway for the past 3 years—beginning with shoreline areas around Deep Lake and expanding to include shoreline areas around Pleasant Lake in 2023—and is making important progress in removing this invasive species and protecting native plant community abundance and diversity;

Whereas, rare plant species of conservation concern, including Water willow (*Decodon verticillatus*), are found in North Oaks, and these plants are found in shoreline areas that are also infested with Yellow iris;

Whereas, Yellow iris infestations occur in the drinking water chain of lakes and are most abundant in North Oaks waterbodies in the Vadnais Lake Area Watershed;

Whereas, control of Yellow iris in North Oaks waterbodies helps to protect uninhabited shoreline areas downstream such as Sucker and East Vadnais Lakes;

Whereas, healthy native plant communities offer increased resilience and ability to buffer against climate variability and disturbance;

Whereas, the parties wish to clearly define their respective roles and financial support for Yellow iris removal in 2023 as part of the VLAWMO maintenance agreement with Natural Shore Technologies, Inc. (NST);

Now, therefore, the parties hereby agree to enter into this MOU:

1. NOHOA. NOHOA agrees to do the following:
 - a. Reimburse the VLAWMO for \$2,500 of the costs in the maintenance contract between VLAWMO and NST for Yellow iris removal on Deep and Pleasant Lakes.

2. VLAWMO Responsibilities. VLAWMO agrees to do each of the following:
 - a. Provide for management and oversight of the maintenance agreement and activities included therein with NST.
 - b. Pay the overall contract with NST at the end of the 2023 growing season that includes a VLAWMO contribution of \$3,000 and NOHOA contribution of \$2,500 for Yellow iris removal on Deep and Pleasant Lakes.

c. Invoice NOHOA for its portion of completed Yellow iris removal efforts after the invoice for 2023 work has been received from NST by VLAWMO.

3. Use of Any Related Documentation. Reports or documents produced in whole or in part under this MOU will be subject to fair use and may not be the subject of an application for copyright by or on behalf of VLAWMO nor NOHOA. VLAWMO and NOHOA may use, without restriction, products of the removal and maintenance work including, but not limited to, any associated reports and documents.
4. Term. This MOU is effective on the date of the last party to execute it. This MOU shall terminate upon completion of maintenance work with NST in 2023 and reimbursement for the professional services costs incurred as provided herein.
5. Termination. Each party has the right to terminate this MOU at any time and for any reason by submitting written notice of the intention to do so to the other party at least thirty (30) days prior to the specified effective date of such termination. NOHOA shall remain responsible for reimbursing the VLAWMO for the professional costs it incurs prior to the effective date of the termination.
6. Entire Agreement; Amendments. This MOU constitutes the entire agreement between the parties regarding this matter. No amendments to this MOU are valid unless they are in writing and signed by both parties.

IN WITNESS WHEREOF, the parties have caused this MOU to be executed by their duly authorized representatives and is effective as of the date of the last party to execute it.

**Vadnais Lake Area Watershed
Management Organization**

North Oaks Home Owners' Association

Chairperson

Authorized Representative

Administrator

Date: _____

Date: _____