

VLAWMO TECHNICAL COMMISSION MEETING

7:30 AM May 8, 2020

Meeting will be held by WebEx video conferencing and phone:
For video conferencing on your computer, enter into your web browser:

<https://meetingsamer9.webex.com/meet/tyler.thompson>

For joining by phone, please dial +1-408-418-9388 and enter the access code: 626 368 138, followed by #, when prompted. Also, please note that this is not a toll-free number, and associated charges from your

phone provider may apply. **Action items:** ✎

I. Call to Order – 7:30am –Chair Gloria Tessier

II. Approval of Agenda

III. Approval of Minutes (April 10, 2020)

IV. Administration & Operations

- A. Financial Report for May & authorization for payment ✎

V. Programs

A. Education & Outreach – Nick

1. Lambert Meander Online info-session
2. Community Blue scoring chart review

B. Cost Share – Tyler

1. Landscape Level 1: 2020-05 Shapland Turf to Native Restoration, VH ✎
2. Landscape Level 1: 2020-06 Schmidt Native Restoration, VH ✎
3. Landscape Level 1: 2020-07 Ribeiro Native Planting, WBL ✎
4. Landscape Level 1: 2020-08 Piper Native Restoration, WBT ✎
5. Landscape Level 2: 2020-04 Monda Lam. Creek Koehler Restoration Ext, VH ✎

VI. Projects

- A. East Goose Alum Grant Update – Phil
B. Lambert Lake Update – Dawn
C. Carp Project West Vadnais Lake Update – Dawn
D. Watershed Based Funding, Goose Subwatershed BMP – Tyler
E. Birch Lake 4th & Otter Update – Tyler

VII. Commissioner Reports

VIII. NOHOA

IX. Ramsey Soil & Water Conservation Division:

X. St. Paul Regional Water Services

XI. Public Comment

XII. Next Meetings: TEC: June 12, Special Board Meeting for Goose Lake Alum workplan /grant agreement: May 27, 2020

XIII. Adjourn

Upcoming Events: vlawmo.org/events

Workshops switched to online:

- Raingardens 101: May 6
- Native Plants Close to Home: May 13
- Lambert Meander: May 20th
- Resilient Yards: June 11



Vadnais Lake Area Water Management Organization
Technical Commission Minutes
April 10, 2020
Vadnais Heights City Hall, Lakes Room

Commission Members Present:

Gloria Tessier	Chair, Gem Lake (GL)
Bob Larson	Treasurer, North Oaks (NO)
Paul Duxbury	White Bear Township (WBT)
Terry Huntrods	White Bear Lake (WBL)
Andy Nelson	Lino Lakes (LL)

Commission Members Absent: Jesse Farrell, Vice Chair (VH)

Others in attendance: Stephanie McNamara, Phil Belfiori, Brian Corcoran, Dawn Tanner, Tyler Thompson (VLAWMO); Jeremy Erickson (SPRWS); Justin Townsend (RCSWCD); Connie Tailon (WBL); Diane Gorder, Patricia Orvid (NO); Katherine Kanne, Ed Shapland (CAC); Melissa King, Dan Fabian, Barb Peichel, Marcy Westwick (BWSR)

- I. **Call to Order** Chair Tessier called the meeting to order at 7:36 am. A roll call was made for attending Commissioners of the electronic meeting: Farrell: absent Larson: present Duxbury: present Huntrods: absent Nelson: present Tessier: present.
- II. **Approval of Agenda**
The agenda for the April 10, 2020 Technical Commission Meeting was presented for approval, as presented.
It was moved by Larson and seconded by Duxbury to approve the April 10, 2020 TEC agenda, as presented. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.
- III. **Approval of Minutes**
It was moved by Larson and seconded by Duxbury to approve the March 13, 2020 meeting minutes, as presented. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.
- IV. **Administration & Operations**
 - A. **TEC Report to the Board and Financial Report for March & Authorization for Payment**
McNamara presented the April 2020 Financial Report for review and authorization of payments, as well as the April TEC Report to the Board
It was moved by Larson and seconded by Duxbury to approve the April Treasurer's Report and authorization of payments. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.

It was moved by Larson and seconded by Duxbury to approve the April 2020 TEC Report to the Board. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.
 - B. **Admin Update**
McNamara introduced Phil Belfiori, the newly-hired VLAWMO administrator, and he will start at VLAWMO beginning April 16th. McNamara praised his extensive experience as a previous watershed administrator, and for a career in water resources. Belfiori added that he's excited to be able to join the VLAWMO team and to get started soon.

V. Programs

A. Education & Outreach

1. Community Blue: Rainbarrel Outreach with MWS Katherine

The CB-2020-03 Community Blue application attached in the packet is the continuation of the application submitted in March, 2020. The March application was dedicated to the first component of the project, objective 1, to purchase the rainbarrels while they were still available from a bulk order through the Recycling Association of Minnesota. The rainbarrels have been purchased accordingly. The rest of the project is now outlined in objectives 2 and up, which include the outreach and education of the project. Voss asked that the TEC would help score the project application and have their findings to him by April 9th. Voss announced that due to COVID-19, most of the formats are moving to digital. Kanne announced that some changes have been made to the application for a virtual workshop and schedule one-on-one meetings for folks to meet and get their rainbarrels. Rainbarrel pickup is set for May 2nd, and the workshop will be scheduled for some time in summer 2020, hopefully when in-person meetings are once again allowed. The project, as a whole, is extending from May until fall 2020.

Discussion: Duxbury asked if the number of barrels that they wanted were picked up, and Kanne confirmed this. Voss noted he has created measurable goals in the Community Blue application. Duxbury asked to confirm that the additional funding is the second phase of the project. Voss confirmed this.

It was moved by Duxbury and seconded by Larson for approval of the extension of grant timeline and webinar and remote formatting. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.

2. Community Blue: White Bear Center for the Arts amendment

Voss summarized that the Community Blue grant with White Bear Center for the Arts (CB-2020-02) faces challenges due to the coronavirus pandemic. VLAWMO staff and the project partners have come to a mutual agreement that the project be postponed until Jan, 2021. Upon that time staff and partners will resume with the original project as outlined, provided that global health concerns allow for in-person public gatherings. Should in-person gatherings be discouraged by the MN Department of Health at that time, staff and partners will re-assess whether to postpone the project further or cancel. The amended project agreement is included in the TEC e-packet.

This amendment is an action item to be voted on and brought to the April, 2020 BOD meeting, and proposes to postpone the project to January, 2021 for reassessment.

It was moved by Larson and seconded by Duxbury for recommendation to the Board to postpone the Community Blue 2020-02 grant until January 2021, and to extend the grant expiration to December 31, 2021. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.

3. 2019 Annual Report, annual report summary, and water monitoring summary

Voss announced that the 2019 VLAWMO Annual Report is complete and posted online, and is accompanied with the 2019 Monitoring Report, and Annual Report Summary, and can be found under the “blog” section.

B. **Cost Share – Landscape Level 1 2020-04: White Dry Creek Bed & Raingarden, NO**

A Landscape Level 1 grant application was received from Ann & Bishop White, of North Oaks, for a runoff diversion, dry creek bed, raingarden and native plant stabilization project on their property. Their project will divert runoff flows, which currently drain into a retaining wall and house foundation, to the west, through a dry creek bed, and all to be planted with native ferns, grasses & shrubs. The elaborate project plan was designed by the homeowners, major grading and French drains to be contracted out, and the rest of the project will be completed

by the homeowners. This is a large-scale and ambitious project, showing efficient use of finances to solve drainage issues with a water resources-responsible approach.

Staff recommends approval of application LL1 2020-04 in the amount of \$2,000.00.

It was moved by Duxbury and seconded by Larson for approval of application and funding in the amount of \$2,000.00 for the LL1 2020- 04 grant application. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye. Motion passed.

VI. Projects

A. East Goose Alum Grant Update & Next Steps

McNamara announced that the Board voted to approved “option 1” which directed staff to Negotiate with BWSR to release grant funding with an assurance agreement that is based on the grant application and to attempt to address in the BWSR letter of concern dated 2/24/20 using practical options.

She noted that several things must take place before an alum application may actually take place: project assurance agreement with BWSR, grant workplan and assurances completed and executed with BWSR, establishing boat access on a City of White Bear Lake parcel, rough fish removal of yellow bullhead to be completed by late summer 2020, stakeholder meetings to occur through 2020, and anticipating an aquatic vegetation management plan to be put in place, after an alum treatment is completed. McNamara noted that staff is working on a response letter to BWSR, as well as asking for an extension for submittal of the grant workplan and letter to BWSR.

Discussion: Duxbury asked if the boat access will be public or private. Stephanie answered that this would be a maintenance access, and restricted use. Tessier asked for clarification on future costs for lake management. McNamara confirmed that additional costs for lake management for the lifespan of the grant will be additional future costs and would the responsibility of VLAWMO for up to 15 years.

B. Lambert Lake Update

Tanner addressed that the EAW draft is continuing and out for review by VLAWMO staff and SEH, before sending out for initial review and commenting. Tanner has reached out to the DNR and USFWS for identification of native vegetation that will best support pollinator habitat, and guidance has been requested from the USFWS for how best to accommodate multiple species of concern requirements for the construction planning schedule. Tanner noted that the DNR has initially recommended meander excavation occur in the winter, and existing Ditch 14 alignment fill occur in the spring, for the least likely amount of possible impact to Blanding’s Turtle.

C. Carp Project West Vadnais Lake Update

Tanner announced at the Board Special March meeting, that the Board approved the requested the \$12,500 for partnering with RWMWD on Common carp management in West Vadnais Lake. Permitting is in place with the DNR, but due to COVID-19 complications, an electrified fish barrier will not be installed in 2020, but a temporary barrier will, instead, be installed, as Carp Solutions is unable to work until COVID-19 restrictions are lifted. The DNR has notified that there is no permit necessary for the temporary conventional fish barrier.

D. Birch Lake 4th & Otter Update

Thompson addressed that final contract documents have been signed and finalized with Blackstone Contractors, LLC, a pre-construction meeting took place on March 24th, and the site has been marked for tree removal, and construction limits will soon be marked for Blackstone to begin work on-site. Work has been slated to begin on April 20th, as construction submittals and approvals should be finalized next week.

E. Birch Lake SLMP Update

Tanner noted that the SLMP was previewed at the March TEC meeting, that the draft is posted on the website and is ready for the public.

VII. Commissioner Reports

None.

VII. NOHOA

Gorder noted that Carp Solutions is moving forward with continuing carp tracking in Pleasant Lake. A meeting was conducted for moving forward with eradication of Oriental Bittersweet in North Oaks, and efforts are moving forward. Gorder noted that the amphibians are active this spring already, and to view the VLAWMO frog & toad story map. Tanner noted that she has been working with a North Oaks student on a Swimmers' Itch article for North Oaks News.

IX. St. Paul Regional Water Service (SPRWS) Report

None.

X. Ramsey Soil & Water Conservation Division (RCSWCD) Report

Townsend noted he will be working with Voss next week on a workshop. Townsend noted a new staff member is Cha, will be the lead on lake surveys. Business is modified, but mostly continuing as usual and RCSWCD staff is still working on project designs.

XI. Public Comment

None.

XII. Next Meetings

TEC: May 8th, 2020; Board: April 22nd, 2020

XII. Adjourn

It was moved by Larson and seconded by Duxbury to adjourn at 8:41 am. Vote: Larson: aye Duxbury: aye Nelson: aye Tessier: aye Motion passed.

Minutes compiled and submitted by Tyler Thompson.

May-20		Actual 5/1/20	Actual to Date	2020 Budget	2019 carry over/Grants	Remaining in Budget	2020 Available	Act vs. Budget
BUDGET #	INCOME							
5.11	Storm Water Utility	\$0	\$16,449	\$890,800	\$0	\$874,351	\$890,800	2%
5.12	Service Fees	\$0	\$0	\$200	\$0	\$200	\$200	0%
5.13	Interest + mitigation acct	\$332	\$3,939	\$5,000	\$0	\$1,061	\$5,000	79%
5.14	Misc. income - WCA admin & other	\$100	\$3,150	\$3,000	\$0	(\$150)	\$3,000	105%
5.15	Other Income Grants	\$0	\$26,054	\$0	\$0	(\$26,054)	\$0	
5.16	Transfer from reserves	\$0	\$100,000	\$0	\$0	(\$100,000)	\$0	
	TOTAL	\$432	\$149,592	\$899,000	\$0	\$749,408	\$899,000	17%
	EXPENSES							
3.1	Operations & Administration							
3.110	Office - rent, copies, post tel supplies	\$3,968	\$10,061	\$25,200	\$0	\$15,139	\$25,200	40%
3.120	Information Systems	\$1,379	\$4,977	\$20,000	\$2,000	\$17,023	\$22,000	23%
3.130	Insurance	\$0	\$0	\$5,800	\$0	\$5,800	\$5,800	0%
3.141	Consulting - Audit	\$1,643	\$6,893	\$6,700	\$0	(\$193)	\$6,700	103%
3.142	Consulting - Bookkeeping	\$0	\$0	\$1,500	\$0	\$1,500	\$1,500	0%
3.143	Consulting - Legal	\$0	\$299	\$4,000	\$2,500	\$6,201	\$6,500	5%
3.144	Consulting - Eng. & Tech.	\$0	\$1,503	\$30,000	\$0	\$28,497	\$30,000	5%
3.150	Storm Sewer Utility	\$0	\$2,728	\$14,000	\$0	\$11,272	\$14,000	19%
3.160	Training (staff/board)	\$0	\$0	\$4,500	\$1,500	\$6,000	\$6,000	0%
3.170	Misc. & mileage	\$170	\$2,117	\$5,500	\$800	\$4,183	\$6,300	34%
3.191	Administration - staff	\$26,058	\$131,167	\$347,200	\$50,000	\$266,033	\$397,200	33%
3.192	Employer Liability	\$6,890	\$38,948	\$89,600	\$12,000	\$62,652	\$101,600	38%
3.2	Monitoring and Studies							
3.210	Lake and Creek lab analysis	\$0	\$322	\$22,000	\$10,000	\$31,678	\$32,000	1%
3.220	Equipment	\$0	\$416	\$4,000	\$0	\$3,584	\$4,000	10%
3.230	Wetland assessment & management	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	0%
3.3	Education and Outreach							
3.310	Public Education	\$70	\$2,213	\$8,500	\$1,000	\$7,287	\$9,500	23%
3.320	Marketing	\$683	\$1,233	\$7,500	\$0	\$6,267	\$7,500	16%
3.330	Community Blue Ed Grant	\$728	\$7,952	\$10,000	\$2,000	\$4,048	\$12,000	66%
	<i>Total Core functions: Ops, Monitoring, Education</i>	<i>\$41,587</i>	<i>\$210,829</i>	<i>\$616,000</i>	<i>\$81,800</i>	<i>\$486,971</i>	<i>\$697,800</i>	<i>30%</i>
	Capital Improvement Projects and Programs							
3.4	Subwatershed Activity							
3.410	Gem Lake	\$0	\$0	\$0	\$0	\$0	\$0	
3.420	Lambert Creek	\$257	\$25,390	\$120,000	\$63,275	\$157,885	\$183,275	14%
3.425	Goose Lake	\$7,886	\$24,401	\$60,000	\$150,316	\$185,915	\$210,316	12%
3.430	Birch Lake	\$1,560	\$17,249	\$10,000	\$39,067	\$31,818	\$49,067	35%
3.440	Gilf Black Tam Wilk Amelia	\$0	\$0	\$30,000	\$50,000	\$80,000	\$80,000	0%
3.450	Pleasant Charley Deep	(\$2,000)	(\$2,000)	\$10,000	\$9,000	\$21,000	\$19,000	-11%
3.460	Sucker Vadnais	\$0	\$3,164	\$12,000	\$10,000	\$18,836	\$22,000	14%
3.48	Programs							
3.481	Landscape 1	\$133	\$133	\$24,000	\$11,500	\$35,367	\$35,500	0%
3.482	Landscape 2	\$0	\$16,415	\$20,000	\$11,361	\$14,946	\$31,361	52%
3.483	Project Research & feasibility	\$0	\$9,725	\$0	\$0	(\$9,725)	\$0	#DIV/0!
3.470	Facilities Maintenance	\$0	\$0	\$5,000	\$29,176	\$34,176	\$34,176	0%
3.5	Regulatory							
3.510	Engineer Plan review	\$0	\$0	\$2,000	\$0	\$2,000	\$2,000	0%
	<i>Total CIP & Program</i>	<i>\$7,835</i>	<i>\$94,477</i>	<i>\$293,000</i>	<i>\$373,695</i>	<i>\$572,218</i>	<i>\$666,695</i>	<i>14%</i>
	Total of Core Operations & CIP	\$49,422	\$305,306	\$909,000	\$455,495	\$1,059,189	\$1,364,495	22%

Fund Balance	4/1/2020	5/1/2020
4M Account	\$180,151	\$116,719
4M Plus Savings	\$513,027	\$513,284
Total	\$693,178	\$630,003

Restricted funds	5/1/2020
Mitigation Savings	\$26,572
Term Series (3/28/19)	\$0

Vadnais Lake Area Water Management Orga
Profit & Loss
April 11 through May 8, 2020

11:25 AM

05/01/2020

Cash Basis

Apr 11 - May 8, 20

Ordinary Income/Expense	
Income	
Mitigation Interest	0.21
5.1 · Income	
5.12 · Service Fees	100.00
5.13 · Interest	332.16
Total 5.1 · Income	<u>432.16</u>
Total Income	<u>432.37</u>
Gross Profit	<u>432.37</u>
Expense	
3.1 · Administrative/Operations	
3.110 · Office	
Copies	107.07
Phone/Internet/Machine Overhead	550.00
Postage	215.10
Rent	3,080.00
Supplies	15.57
Total 3.110 · Office	<u>3,967.74</u>
3.120 · Information Systems	
Hardware	52.50
IT Support	959.00
Website & email hosting	367.59
Total 3.120 · Information Systems	<u>1,379.09</u>
3.141 · Audit	1,643.25
3.160 · Training (staff/board)	0.00
3.170 · Misc. & mileage	169.63
3.191 · Employee Payroll	
payroll	26,057.60
Total 3.191 · Employee Payroll	<u>26,057.60</u>
3.192 · Employer Liabilities	
Admin payroll processing	44.92
Administration FICA	1,926.71
Administration PERA	1,954.32
Insurance Benefit	2,963.58
Total 3.192 · Employer Liabilities	<u>6,889.53</u>
Total 3.1 · Administrative/Operations	<u>40,106.84</u>
3.3 · Education and Outreach	
3.310 · Public Education	69.77
3.320 · Marketing	682.51
3.330 · Community Blue Education Grant	727.55
Total 3.3 · Education and Outreach	<u>1,479.83</u>
3.4 · Capital Imp. Projects/Programs	
3.420 · Lambert Creek Restoration	

Whitaker Wetlands	256.82
Total 3.420 · Lambert Creek Restoration	256.82
3.425 · Goose Lake	
WB Funding - Goose subshed	7,669.50
3.425 · Goose Lake - Other	216.00
Total 3.425 · Goose Lake	7,885.50
3.430 · Birch Lake	
4th & Otter project	1,560.00
Total 3.430 · Birch Lake	1,560.00
3.450 · Pleasant Charley Deep	-2,000.00
Total 3.4 · Capital Imp. Projects/Programs	7,702.32
3.48 · Programs	
3.481 · Landscape 1 - cost-share	132.73
Total 3.48 · Programs	132.73
Total Expense	49,421.72
Net Ordinary Income	-48,989.35
Net Income	-48,989.35

Vadnais Lake Area Water Management Organization
Check Detail
April 11 through May 8, 2020

11:28 AM
05/01/2020

Type	Num	Date	Name	Item	Account	Paid Amount	Original Amount
Check	EFT	04/17/2020	Reliance Standard		Checking - 1987		-177.68
				Insurance Benefit		-177.68	177.68
TOTAL						-177.68	177.68
Check	EFT	04/20/2020	further		Checking - 1987		-4.00
				Insurance Benefit		-4.00	4.00
TOTAL						-4.00	4.00
Check	4917	05/08/2020	Tyler J Thompson		Checking - 1987		-43.47
				3.170 · Misc. & mileage		-43.47	43.47
TOTAL						-43.47	43.47
Check	4918	05/08/2020	Ramsey County		Checking - 1987		-216.00
				3.425 · Goose Lake		-216.00	216.00
TOTAL						-216.00	216.00
Check	4919	05/08/2020	Innovative Office Solutions		Checking - 1987		-52.50
				Hardware		-52.50	52.50
TOTAL						-52.50	52.50
Check	4920	05/08/2020	HDR Engineering, Inc.		Checking - 1987		-367.59
				Website & email hosting		-367.59	367.59
TOTAL						-367.59	367.59
Check	4921	05/08/2020	Stephanie Oliver McNamara		Checking - 1987		-234.50
				Insurance Benefit		-234.50	234.50
TOTAL						-234.50	234.50
Check	4922	05/08/2020	City of White Bear Lake		Checking - 1987		-32,530.95
				payroll		-26,057.60	26,057.60
				Administration FICA		-1,926.71	1,926.71
				Administration PERA		-1,954.32	1,954.32
				Insurance Benefit		-2,547.40	2,547.40
				Admin payroll processing		-44.92	44.92
TOTAL						-32,530.95	32,530.95
Check	4923	05/08/2020	CliftonLarsonAllen		Checking - 1987		-1,260.00
				3.141 · Audit		-1,260.00	1,260.00
TOTAL						-1,260.00	1,260.00
Check	4924	05/08/2020	Regents of the University of Minnesota		Checking - 1987		-256.82

	Whitaker Wetlands	-256.82	256.82
TOTAL		<u>-256.82</u>	<u>256.82</u>
	Check 4925 05/08/2020 City Of Roseville	Checking - 1987	-959.00
	IT Support	-959.00	959.00
TOTAL		<u>-959.00</u>	<u>959.00</u>
	Check 4926 05/08/2020 Barr Engineering Co	Checking - 1987	-9,229.50
	4th & Otter project	-1,560.00	1,560.00
	WB Funding - Goose subshed	-7,669.50	7,669.50
TOTAL		<u>-9,229.50</u>	<u>9,229.50</u>
	Check 4927 05/08/2020 Dawn Tanner	Checking - 1987	-50.60
	3.170 · Misc. & mileage	-50.60	50.60
TOTAL		<u>-50.60</u>	<u>50.60</u>
	Check 4928 05/08/2020 Brian Corcoran	Checking - 1987	-65.21
	3.170 · Misc. & mileage	-65.21	65.21
TOTAL		<u>-65.21</u>	<u>65.21</u>
	Check 4929 05/08/2020 Katherine Kanne	Checking - 1987	-727.55
	3.330 · Community Blue Education Grant	-727.55	727.55
TOTAL		<u>-727.55</u>	<u>727.55</u>
	Check 4930 05/08/2020 impressive print	Checking - 1987	-650.00
	3.320 · Marketing	-650.00	650.00
TOTAL		<u>-650.00</u>	<u>650.00</u>
	Check 4931 05/08/2020 Nicholas Voss	Checking - 1987	-42.86
	3.170 · Misc. & mileage	-10.35	10.35
	3.320 · Marketing	-32.51	32.51
TOTAL		<u>-42.86</u>	<u>42.86</u>
	Check 4932 05/08/2020 Innovative Office Solutions	Checking - 1987	-15.57
	Supplies	-15.57	15.57
TOTAL		<u>-15.57</u>	<u>15.57</u>
	Check 4933 05/08/2020 CliftonLarsonAllen	Checking - 1987	-383.25
	3.141 · Audit	-383.25	383.25
TOTAL		<u>-383.25</u>	<u>383.25</u>
	Check 4934 05/08/2020 City of Vadnais Heights	Checking - 1987	-3,952.17

	Rent	-3,080.00	3,080.00
	Phone/Internet/Machine Overhead	-400.00	400.00
	Phone/Internet/Machine Overhead	-150.00	150.00
	Postage	-215.10	215.10
	Copies	-107.07	107.07
TOTAL		<u>-3,952.17</u>	<u>3,952.17</u>

Check 4935 05/08/2020 Greg Drawbaugh

Checking - 1987 -75.00

	3.481 · Landscape 1 - cost-share	-75.00	75.00
TOTAL		<u>-75.00</u>	<u>75.00</u>

Check 4936 05/08/2020 Chris Knopf

Checking - 1987 -57.73

	3.481 · Landscape 1 - cost-share	-57.73	57.73
TOTAL		<u>-57.73</u>	<u>57.73</u>

Vadnais Lake Area Water Management Organization
Custom Transaction Detail Report
 April 1 through May 1, 2020

11:32 AM

05/01/2020

Accrual Basis

Type	Date	Num	Name	Memo	Account	Clr	Split	Amount	Balance
Apr 1 - May 1, 20									
Credit Card Charge	04/03/2020		Google*SVCAPPS_VLAWM		US Bank CC	√	WEB	28.52	28.52
Credit Card Charge	04/24/2020		Zoom	subscription	US Bank CC		3.310 · Public Education	16.09	44.61
Credit Card Charge	04/24/2020		Best Buy	microphone	US Bank CC		3.310 · Public Education	53.68	98.29
Apr 1 - May 1, 20								98.29	98.29

TEC Staff Memo – May 2020

IV. Administration & Operations

A. Financial Report for May – Financial Report is attached in the May ePacket.

V. Programs

A. Education and Outreach:

1. TEC and Board members were sent flyers for the Lambert meander info-session the week of April 27th. Staff will discuss this upcoming info-session during the meeting, including the content, partnership efforts, and how this effort fits into the larger picture of Lambert Pond and the meander.



2. Staff have taken feedback on the Community Blue scoring chart in an effort to streamline the process while making it an effective tool for VLAWMO to craft projects with contracted educators and community groups. Three Community Blue grants have been submitted so far in 2020, and now in a period fresh off of the activity yet with no incoming applications, feedback and fine-tuning are welcome amongst the TEC. Nick will outline the recent updates to the scoring chart and collect further feedback as available. The new chart is provided in this TEC packet should TEC wish to review it in the week prior to the 4/10 TEC meeting.

B. Cost Share

The VLAWMO Cost Share program has received 4 Landscape Level 1 (LL1) cost share grant applications, and 1 Landscape Level 2 application for review and recommendation at the May 8th, 2020 TEC meeting. Staff is recommending approval for all 4 LL1 applications in their requested amounts, and is asking for the TEC's recommendation of approval for the VLAWMO Board of the LL2 grant at their Special May 25th, 2020 meeting, in the requested amount. If all projects are approved as

recommended by staff, \$11,116.52 would be remaining for LL1 funds and the LL2 funds for 2020 would be exhausted.

1. Landscape Level 1: 2020-05 Shapland Turf to Native Restoration, VH

A LL1 application was received for replacing 390 square feet of yard turf with native plants, and is an expansion of the Shapland's raingarden project from 2019. Though the project is not an infiltration basin, it will be receiving 880 square feet of pervious drainage area. The project design has been completed by Greenspace LLC, and project installation, labor and management would be completed by the same contractor. The total project cost has been quoted at \$3,421.81, and the applicants are requesting \$2,000 in LL1 cost share funding. **Staff is recommending approval of LL1 2020-05 for funding in the amount of \$2,000.00**

2. Landscape Level 1: 2020-06: Schmidt Native Restoration, VH

An application was received for a backyard native restoration next to the applicants pond, and extending along their property line, providing understory revegetation totaling 600 square feet of restoration for habitat. The proposed project was designed and would be installed by Ecoscapes, for a total project cost of \$4,200, of which, the applicants are requesting \$2,000 in LL1 funding. The Schmidts are past LL1 grant recipients and have been good stewards of maintenance with their past projects (front yard infiltration basin and creek bed, combined with a native planting), as well as partners for past Landscape workshops. **Staff is recommending approval of LL1 2020-06 for funding in the amount of \$2,000.00**

3. Landscape Level 1: 2020-07 Ribeiro Native Pollinator Planting, WBL

Staff was approached by Vici Ribeiro for interest in a native pollinator planting, and has quickly worked to submit an application for a LL1 grant. The applicant's proposed project is comprised of a 50 square foot pollinator garden with 11 species of wildflowers & grasses along with the dispersed planting of pollinator serviceberries, Redbud, and Hawthorn pollinator trees. Vici will be completing the native planting herself, but would be contracting the labor and delivery of the serviceberries and pollinator trees. The total estimated project cost is \$1,356.71, and the applicant is requesting \$1,017.43 in LL1 grant funding. **Staff is recommending approval of LL1 2020-07 for funding in the amount of \$1,017.43.**

4. Landscape Level 1: 2020-08 Piper Native Restoration, WBT

An application for a LL1 grant was received by Sonja Piper to complete a native restoration and pollinator planting area where the power company had cut down several large pine trees on her front sideyard, several years ago. The total restoration area is 1,345 square feet and would revegetate a ditch that is tributary and partially drains to Rice Lake. The applicant would be completing the project herself with the total project estimated cost at \$1,782, she is requesting

a 75% cost share of the project at \$1,337 for a LL1 grant. This is an excellent and visible location for educational purposes of native restorations. **Staff is recommending approval of LL1 2020-08 for funding in the amount of \$1,337.00.**

- 5. Landscape Level 2: 2020-04 Monda Lam. Crk Koehler Restoration Ext, VH**
Tony Monda, property owner where the last Lambert Creek, Koehler restoration was completed in 2017, contacted staff with an interest on extending that restoration further down his property. The applicant contacted Outdoor Lab, the contractor that completed the last restoration, to use existing designs to extend the restoration approximately 60 linear feet down the creek bank on his property. This section of Lower Lambert Creek has very steep banks and is considered ideal and critical for restoration and stabilization. Staff anticipates having the completed project plans, cost estimate, and grant application the week of the May 8 TEC meeting, and this will be sent out in a separate email that week.

VI. Projects

A. East Goose Alum Grant Update

At the April Board meeting, staff provided the Board with an update on the Alum Treatment Grant for East Goose Lake since the March Special meeting. Staff summarized a technical memo submitted to BWSR dated 4/15/20 from Greg Wilson (Barr Engineering Project Engineer) that clarified the monitoring VLAWMO should collect to confirm that the proposed alum treatment is working as anticipated and provided his recommendations on measurable “metrics” for project assurances. Staff also summarized VLAWMO’s response letter dated 4/16/20 which attempted to respond to BWSR’s 2/24/20 letter. The 4/16/20 letter identified the following requests to BWSR: 1) requested an deadline extension for completion of the grant agreement, work plan and related documents to 5/29/20 (2 days after the proposed 5/27 special meeting); 2) requested feedback on the proposed project timeline; 3) requested feedback on Engineer Wilson’s recommended project assurances; and 4) requested feedback on the identified a list of proposed complementary projects elements including community engagement and fish /bullhead management.

Engineer Greg Wilson presented a graphic to the Board that explained the technical justification for his recommended project assurances “metrics” and explained the range of practical lake phosphorus concentrations that would be expected with the Alum project. Staff also identified that in verbal conversations with BWSR on 4/22/20 that BWSR has stated that they have “serious concerns” about the Engineers recommended measurable “metrics” and projects assurances as identified in the 4/15/20 Barr Engineering memo. Staff also stated that BWSR identified that the project assurances metrics would need to be met for a 15 year project “life span”. Staff then discussed the extensive estimated costs for ongoing complementary project elements that would need to be implemented by VLAWMO for the 15 year project “life span”. Staff identified that BWSR indicated that they have set a goal of 5/1/20 to provide written response to the 4/16/20 VLAWMO letter (at the time of drafting this update, VLAWMO staff has not received the BWSR response).

After receiving the staff and project engineer’s update, the Board considered and ultimately approved three motions including:

- Scheduling a special VLAWMO Board meeting for 5/27/20 to consider the East Goose Lake Alum grant agreement and work plan;
- Authorized staff to implement the identified 2020 complimentary projects and the costs discussed;
- Based on recent conversations with BWSR, identified that Board members Linder and Jones would meet in May to discuss and consider BWSR's written feedback on assurances and discuss Engineering /staff recommendations and next steps.

B. Lambert Lake Update

VLAWMO received concurrence from MN DNR on the NHIS inventory for species of concern. Following discussions with MN DNR staff and a virtual site visit with photos of the ditch, it was determined that the Lambert ditch is not suitable for hibernating Blanding's turtles. That means that meander construction will be allowed to be completed with a single mobilization in the winter, as originally planned, with silt fencing installed in the fall as an added precaution. The alternative would have been phasing to dig the meander during the winter, maintain fill onsite, and incorporate sediment/abandon the old ditchline in the spring.

Finalizing the EAW was dependent upon receiving concurrence from MN DNR and incorporating requirements into the redline plans from SEH. The EAW is now in the process of being finalized with a goal to send it out for comment during the week of May 11.

A stakeholder meeting is scheduled to communicate with residents about the project and respond to questions. That meeting will be held remotely on May 20, 6:00-7:00 pm. Meeting details are on the VLAWMO webpage and calendar. A postcard was sent out to residents living near the project area and along the creek downstream. An ad was also placed in the Press Pubs to invite a broader group of residents who may be interested in learning more about the project. The stakeholder meeting is being co-hosted by VLAWMO, SEH, and the City of Vadnais Heights.

Permit discussions are continuing with MN DNR and USACE. We will be amending the previous permits in both cases. The original MN DNR permit is 2004-3102. USACE asked us to use two permit numbers. The original permit is MVP 2003-02114, and the update is MVP 2019-02143. With preliminary discussions complete, SEH is starting the online application process with USACE.

C. Carp Project West Vadnais Lake Update (including notes on Pleasant)

Carp Solutions was able to resume work following our April meeting with a designation as essential from the State. They have completed 3 separate sampling days on W Vadnais Lake and PIT tagged 119 carp. These carp will be tracked in 2021 to identify spawning/nursery areas. Photo of Carp Solutions out on a chilly April morning, electroshocking on W Vadnais.

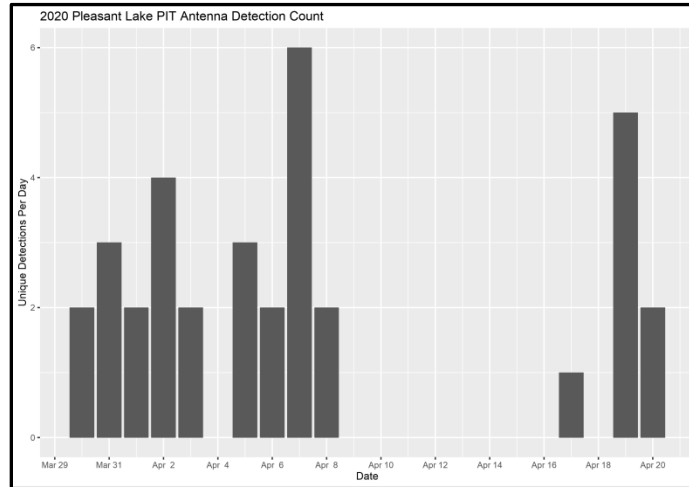


The physical barrier is in place at the outlet of W Vadnais to prevent carp from moving into the Phalen Chain, where removal has been ongoing for many years and carp biomass is being maintained below the management threshold for water quality by RWMWD. The barrier will need to be temporarily removed when the new pipe is put in place at the outlet yet this spring. The barrier will be reinstalled immediately after the pipe is in place. RWMWD is monitoring the barrier and removing debris. They check it every 2 days and after any major rain events. They have a team that checks a number of barriers so were able to include this one in their monitoring. In future, it would be a good idea to consider how VLAWMO staff might be able to take over some of these tasks as we continue to work with RWMWD. Physical barrier at W Vadnais.



Pleasant Lake carp monitoring is going well. The antenna is functioning as expected. When

Carp Solutions downloaded the first round of data, they noticed an odd gap in activity. They wondered if it might have been due to low water levels. SPRWS checked their data, and no low levels were found. We compared with weather data and found that carp movement stopped during that late April cold snap and resumed when temps returned to normal.



VLAWMO staff have been checking the culvert and pond connected to Pleasant Lake just to the east of Pleasant Lake Beach. Residents reported carp aggregations there in the past. If an aggregation was detected, Carp Solutions may be able to do a smaller scale electroshocking and removal effort. A barrier was placed in the culvert (not approved nor connected to the carp project; it has been reported to NOHOA). Some fish are able to pass through. We have not observed an aggregation in the pond yet this spring.



D. Watershed Based Funding, Goose Subwatershed BMP

Staff has been moving forward with an implementation BMP for the Goose Lake subwatershed after the Board gave authorization at their April 2020 meeting for project selection. Staff met with the Rush Line team for initial introduction and coordination, as it was identified by Commissioner Farrell at the March TEC meeting that a Rush Line BRT stop is slated for the same location on the NW intersection of Cedar Ave and Highway 61 in White Bear Lake. The Rush Line staff confirmed that their project construction isn't slated until 2023 or 2024, at the earliest, and if VLAWMO is moving ahead with BMP 14, staff will coordinate with them for design for conflict-avoidance for the 2 projects, and for the possibility of the Rush Line BRT stop to tie into the iron-enhanced sand filter for stormwater treatment, if it is constructed. Upon moving further with BMP 14, it was revealed that it would need to be constructed on private property and possibly partly on MnDOT right-of-way. Due to these issues, staff is still pursuing BMP 14, but due to time and budget constraints, staff is also working with Barr to identify other options and alternate BMPs.

E. Birch Lake 4th & Otter Update

Since the last project update, site preparation has begun the week of the 27th, with tree & stump removal, preliminary grading, reworking of the existing inlet ditch that will eventually exist as the iron-enhanced sand filter overflow path, and marking the alignment of the concrete filter wall. Barr Engineering staff is checking in with the Blackstone Contractor project foreman on a daily basis and feeding VLAWMO staff project updates. The project is on schedule.

Community Blue: Application Score Chart

Scoring Criteria: Evaluating the content and nature of the proposed project.

Category	Points Possible: “Yes”: 20 “Maybe”: 12 “Hardly”: 5 “None”: 0	Points Assigned
Program fit (20%): Project is compatible with the Community Blue goal or makes a strong case to relate to VLAWMO’s mission. SMART Goals and desired outcomes are clearly stated. Topic of interest is timely and appropriate, target audience(s) defined, outreach method, and connections are made to local water resources are defined. A minimum of 25% match-funds are outlined. Projects within VLAWMO cost-share target zones are weighed more.	1-20	
Leadership (20%): Project demonstrates watershed leadership and motivates participants to reflect on and improve their relationship to water. Project inspires water-related awareness, knowledge, attitude, skills, and behaviors, while outlining and committing to physical maintenance when needed.	1-20	
Evaluation (20%) Project has an evaluation component with goals that are specific and measurable. Evaluation provides meaningful information that can be used to assess results and provide comparison to future projects. Applicant has a plan for sharing and disseminating results.	1-20	
Growth and replication (10%) Project creates social and organizational networks to inspire future projects related to water resource improvement and education, or demonstrates an ability to be efficiently replicated.	1-10	
Collaboration/Engagement (10%) Project engages appropriate partners and local citizens in the planning, implementation and/or evaluation process. Partners demonstrate a high level of support for project proposal.	1-10	
Budget (10%) Funding request is detailed and appropriate. Sub-costs in objectives clearly add up to final cost.	1-10	
Timeline (10%) Timeline is clear and realistic given the scope of the project.	1-10	
Total:	100	

Continued on reverse

Application Criteria: Evaluating the application for clarity, reliability, and its ability to serve as a tool to guide VLAWMO, the applicant, and project partners over the course of the project's lifespan.

Category	Points Possible "Yes": 20 "Maybe": 12 "Hardly": 5 "None": 0	Points Assigned
Outlined objectives (40%): The project is outlined by up to 5 objectives serving as different stages of the project. Costs and timeframes of objectives clearly match the overall budget and timeframe.	1-20	
SMART objectives (40%): Objectives are Specific, Measurable, Achievable, Relevant, and Time-oriented. Exceptional applications seek not to just complete the project but also collect information to measure the results and changes inspired by the project (pre/post survey, etc.). If parts of the project are dependent on unknown variables at the time of the application, these are clearly defined and distinguished as a list of prospective directions the project could take.	1-20	
Partnerships and Contacts (20%): Project partners are listed in the application with names, titles, contact information, and role in the project. Maintenance responsibilities are defined with contacts and timeframe.	1-10	
Total:	50	
Suggestions for application improvement: Text, phrasing, outlining objectives, design of measurables, allocated budget, etc.		

Grand Total: _____ / 150

Grant approval scale:

- 1-49: Decline application citing scoring results and other reasons why.
- 50-79: Decline application, send back to applicant with suggestions for re-working and a new submission at a later time.
- 80-99: Approvable grant on the condition of outlined improvements and comments from TEC or BOD.
- 100-150: Approvable grant.



Vadnais Lake Area Water Management Organization
 800 County Road E East
 Vadnais Heights, MN 55127
 www.vlawmo.org
 (651) 204-6071

LANDSCAPE LEVEL 1 GRANT APPLICATION FORM

Please submit form and required materials to: TYLER THOMPSON
tyler.thompson@vlawmo.org

Please fill in the application as best as possible and use additional pages if necessary. Refer to the Grant Guidance document for further information or contact Tyler Thompson with any questions.

APPLICANT INFORMATION

NAME: Ceci and Ed Shapland DATE: April 10, 2020

ADDRESS: 470 Vadnais Lake Drive CITY: Vadnais Heights ZIP: 55127

PHONE: 612-816-7721
[EMAIL: cecishapland@gmail.com](mailto:cecishapland@gmail.com)

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$3922.57 AMOUNT OF GRANT REQUESTED: \$2000
 (\$2,000 MAXIMUM)

WHEN DO YOU PLAN TO COMPLETE YOUR PROJECT? July 2020

TYPE OF PROJECT THAT WILL BE COMPLETED:

Raingarden/ Infiltration Basin Shoreline Restoration **Native Plant Restoration** Other

If other, please describe proposed project:

PROJECT BACKGROUND

Describe your property: Does your property connect to a lake, stream, ditch, or wetland? What issues are you hoping to address with your project?

The property is .29 of an acre in the John Mitchell Preserve Neighborhood in Vadnais Heights. We are situated across the street from East Lake Vadnais and our property backs up to a wetland. Water from our property drains into storm drains within several yards from our house or into a wooded wetland adjacent to our property. From there, it flows into East Lake Vadnais. This project will address the continuation of a landscaping project that already includes a raingarden. It will address replacing high water use grassy lawn areas with drought resistant native plants.

Describe how your project will support the goals of the Landscape Grant Program (see guidance materials for more information).

This project addresses preservation, protection and restoration of native plant and wildlife communities, especially along lakes, rivers and wetlands. By reducing lawn area, we will reduce water use with drought resistant native plants and more importantly replace lawn area with plants that support pollinators and other wildlife essential for the preservation and restoration of the area. The present lawn area will be replaced with native grasses and plants including Pennsylvania sedge, golden alexander, black-eyed susan, wild geranium, marsh marigolds and wild columbine, etc. The lawn area to be removed and replaced by native plants is approximately 390 sq. ft. (See attached diagrams.) The project will be managed by GreenSpace, LLC.

PROJECT SPECIFICATIONS

In order to determine the water quality benefit of your project (amount of stormwater and pollutants captured), specific information is required for VLAWMO staff to perform the calculations. If you are working with a professional landscaper, they should be able to provide you with this information.

TOTAL PROPERTY AREA (SQ.FT.): 12,632.4 sq. ft.

PROJECT SIZE (SQ.FT.): 390 sq. ft.

IMPERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): 1000 sq.ft.

PERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): 880 sq. ft.

IF YOUR PROJECT INCLUDES INFILTRATION, PLEASE PROVIDE THE FOLLOWING INFORMATION

SOIL INFILTRATION RATE (INCHES/HR): _____

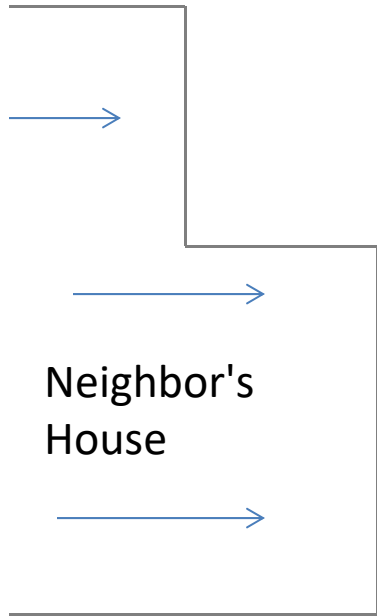
DEPTH OF RAINGARDEN (INCHES): _____

ADDITIONAL REQUIRED MATERIALS

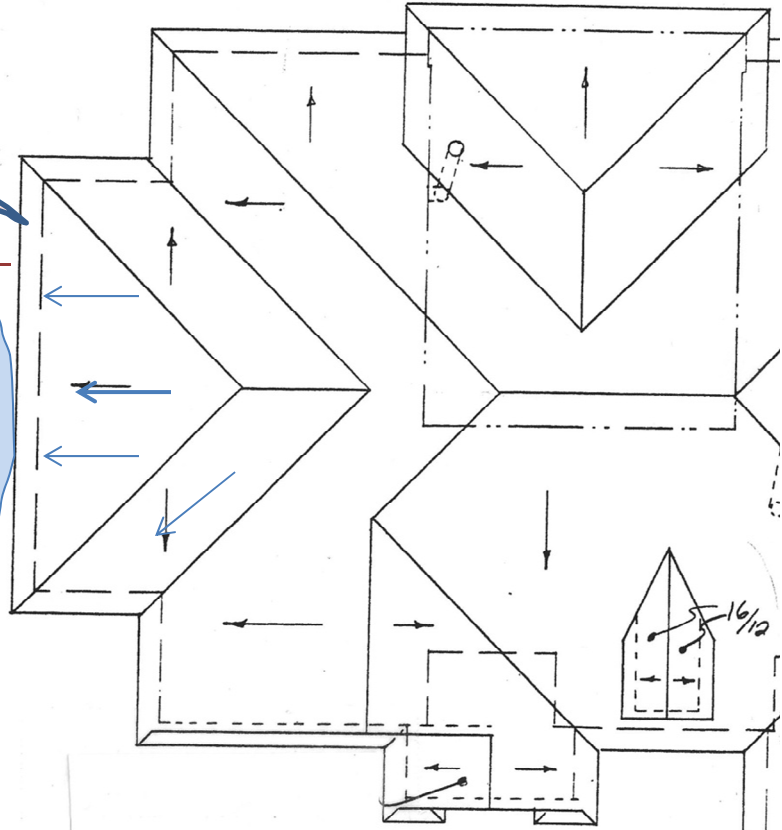
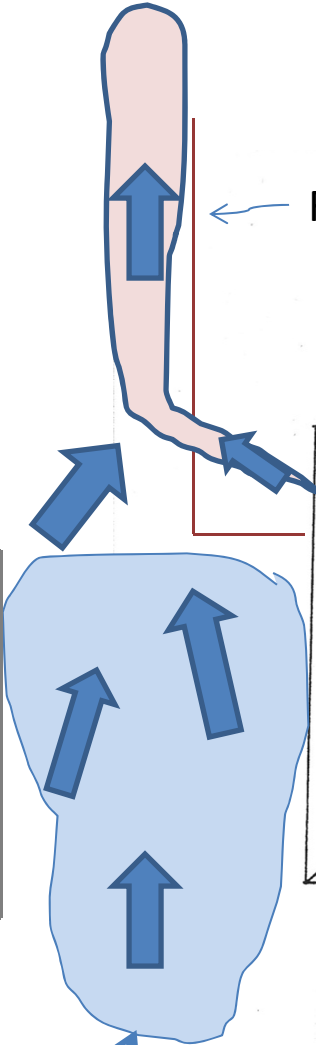
Include a detailed drawing and budget for your project compiled by either yourself or your contractor that provides information for how the project will be installed, lists the materials that will be purchased (see guidance regarding what can be included as part of the grant program) and a list of the plants that will be used. Native restoration projects are required to use ONLY plants that are native to this ecoregion. All other projects must include AT LEAST 50% native plants. Hybrids of native plants will not count towards this requirement. **This information may be scanned and emailed to VLAWMO GIS Watershed Technician, Tyler Thompson (tyler.thompson@vlawmo.org)**



Fence



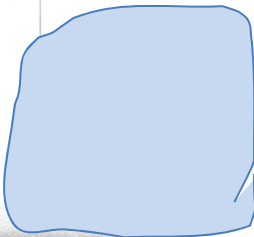
Neighbor's House



Drainage Flow



Project areas



470 Vadnais Lake Dr

PROF PLAN

GreenSpace

TRUE nature DESIGN

Green Space, LLC

Landscapes in step with NATURE and set apart by DESIGN!

4055 - 25th Avenue South Minneapolis, MN 55406

Phone: 612-558-3161

roxanne@GreenSpaceMN.com

Date: March 22, 2020

Proposal for:

CeCi & Ed Shapland

470 Vadnais Lake Drive

Vadnais Heights, MN 55127-7143

612-816-7721

Work address: Same

Sales Tax Rate: 7.375%

Landscape Proposed:

FRONT YARD

Site preparation:

Remove sod from an area approximately 390 sq ft in size and properly dispose. \$ 209.00

Install 37 lineal feet of commercial grade plastic edging \$ 232.00

Note: It may be possible to reuse existing edging near this garden and install it in the designated garden edges. This work would be done on a time & materials (T&M) at \$75 per person hour

Compost

Install 1.25 cubic yards of compost to a thickness of approximately 1" in new garden \$ 150.00

Delivery of compost \$ 95.00

Sales tax on Delivery \$ 7.01

PLANTINGS

Qty	Name of Plant	Size	Cost Each	Total of Each
18	Carex pennsylvanica (northside)	4" cont	\$ 5.00	\$ 90.00
12	Carex pennsylvanica (spaces on s-side)	4" cont	\$ 5.00	\$ 60.00
12	Asarum canadense	1 gal	\$ 10.00	\$ 120.00
5	Pulmonaria, Raspberry Splash	1 gal	\$ 14.00	\$ 70.00
5	Astilbe, Rheinland	1 gal	\$ 8.00	\$ 40.00
5	Ligularia, Britt-Marie Crawford	2 gal	\$ 17.00	\$ 85.00
4	Ligularia, The Rocket	2 gal	\$ 16.00	\$ 64.00
3	Brunnera, Jack Frost	1 gal	\$ 14.00	\$ 42.00
15	Jack-in-the-Pulpit (if available-limited)	1 gal	\$ 9.00	\$ 135.00
3	Goat's Beard (Aruncus dioicus)	1 gal	\$ 8.00	\$ 24.00
7	Virginia Bluebells (Mertensia virginica)	1 gal	\$ 13.00	\$ 91.00
10	Solomon's Seal (Polygonatum odoratum 'Variegatum')	1 gal	\$ 12.00	\$ 120.00
3	Trillium (Trillium grandiflorum)	1 gal	\$ 13.00	\$ 39.00
18	Golden Alexanders (Zizia aurea)	4" cont	\$ 5.00	\$ 90.00
5	Spiderwort (Tradescantia ohiensis)	4" cont	\$ 5.00	\$ 25.00
6	Black-eyed Susan (Rudbeckia hirta)	4" cont	\$ 5.00	\$ 30.00
7	Wild Geranium (Geranium maculatum)	1 gal	\$ 13.00	\$ 91.00
18	Marsh Marigolds (Caltha palustris)	4" cont	\$ 5.00	\$ 90.00
4	Wild Columbine (Aquilegia canadensis)	1 gal	\$ 8.00	\$ 32.00
Subtotal for Plants				\$ 1,338.00
Delivery of Plants (assuming one source)				\$ 150.00
Sales tax on plants and delivery				\$ 109.74
Labor to install Plants (working in and around tree roots)				\$ 695.00
Total Cost of Plants as Outlined in this Proposal				\$ 2,292.74

MULCHING

Mulch for New Plantings

Install 2.5 cubic yards of dark brown shredded hardwood mulch around new plants	\$ 275.00
Delivery of mulch	\$ 150.00
Sales tax on delivery of mulch	\$ 11.06

PROJECT OVERSIGHT

Project Management

Designer to manage the project as needed at rate of \$120 per hour. Approx. 2-3 hours

T&M

Total for Landscape Installation

\$ 3,421.81
plus T&M items

Client Signature: _____ Date: _____

Designer Signature: Roxanne T. Stuhr Date: March 22, 2020

THANK YOU FOR WORKING WITH US TO CREATE LANDSCAPES IN STEP WITH NATURE!

Budget: Landscape I Grant

Remove soil of area approximately 390 sq. ft and properly dispose. Install edging for designated garden area. Compost 1.25 cu. yds for 1" thickness for new garden. Install 1.5 cu. yds of mulch on new plants.	\$1111
Purchase and install 160 native plants including grasses and flowering plants.	\$2183
Design and management	\$360
Tax 7.35%	\$268.57
Total	\$3922.57
Grant Request	\$2000



Vadnais Lake Area Water
 Management Organization
 800 County Road E East
 Vadnais Heights, MN 55127
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LANDSCAPE LEVEL 1 GRANT APPLICATION FORM

Please submit form and required materials
 to: TYLER THOMPSON
tyler.thompson@vlawmo.org

Please fill in the application as best as possible and use additional pages if necessary. Refer to the Grant Guidance document for further information or contact Tyler Thompson with any questions.

APPLICANT INFORMATION

NAME: SCHMIDT, GINA & MICHAEL DATE: APRIL 13, 2020

ADDRESS: 428 BRUNS COURT CITY: VADNAIS HEIGHTS ZIP: 55127

PHONE: 651-766-7903 (GINA MOBILE) EMAIL: ggschmidt@me.com

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ 4,200 AMOUNT OF GRANT REQUESTED: (\$2,000 MAXIMUM) \$ 2,000

WHEN DO YOU PLAN TO COMPLETE YOUR PROJECT? SUMMER 2020

TYPE OF PROJECT THAT WILL BE COMPLETED:

- Raingarden/ Infiltration Basin Shoreline Restoration Native Plant Restoration Other

If other, please describe proposed project:

PROJECT BACKGROUND

Describe your property: Does your property connect to a lake, stream, ditch, or wetland? What issues are you hoping to address with your project?

SEE ATTACHED

Describe how your project will support the goals of the Landscape Grant Program (see guidance materials for more information).

PROJECT SPECIFICATIONS

In order to determine the water quality benefit of your project (amount of stormwater and pollutants captured), specific information is required for VLAWMO staff to perform the calculations. If you are working with a professional landscaper, they should be able to provide you with this information.

TOTAL PROPERTY AREA (SQ.FT.): .47 acres PROJECT SIZE (SQ.FT.): 600 sq ft

IMPERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): 400 sq ft PERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): 1,200 sq ft

IF YOUR PROJECT INCLUDES INFILTRATION, PLEASE PROVIDE THE FOLLOWING INFORMATION

SOIL INFILTRATION RATE (INCHES/HR): DEPTH OF RAINGARDEN (INCHES):

ADDITIONAL REQUIRED MATERIALS

Include a detailed drawing and budget for your project compiled by either yourself or your contractor that provides information for how the project will be installed, lists the materials that will be purchased (see guidance regarding what can be included as part of the grant program) and a list of the plants that will be used. Native restoration projects are required to use ONLY plants that are native to this ecoregion. All other projects must include AT LEAST 50% native plants. Hybrids of native plants will not count towards this requirement. **This information may be scanned and emailed to VLAWMO GIS Watershed Technician, Tyler Thompson (tyler.thompson@vlawmo.org)**

SEE ATTACHED

LANDSCAPE LEVEL 1 GRANT

GINA & MICHAEL SCHMIDT
428 BRUNS COURT
VADNAIS HEIGHTS, MN 55127

PROJECT BACKGROUND:

Two years ago, our backyard neighbors removed 13 trees along our common lot line in order to gain sunshine for their pool and upgrade their planting beds surrounding the pool deck. We would like to replace half of the trees to regain native habitat for the many birds that would nest among the tall trees each year, while increasing our privacy. We would also like to take the opportunity to extend the lot-line planting down toward the backyard pond and include native understory shrubs and perennials to increase native food sources for birds and other pollinators.

Our landscape restoration project will help to restore native plantings and wildlife communities within the Lambert Creek watershed. These native trees, bushes and perennials will work beneath the ground to loosen our dense clay soil to help infiltrate more rainwater runoff into the ground. Above the ground, the plantings will serve to beautify our neighborhood, becoming a great example of how to incorporate natives into a home landscape, and provide food and shelter to insects, birds and animals. Phase 2 of this project in the next few years will tie into this current space and upgrade the naturalized area around the pond with more diverse plants to support more wildlife and clean water.

PROJECT SPECIFICATIONS:

Total property area: $\frac{3}{4}$ acre (Lot 7, Block 1, Royal Grove Estates)

Project size: 600 sq. ft.

Impervious area draining to project: 400 sq. ft. (portion of neighbor's pool deck)

Pervious area draining to project: 1200 sq. ft. (adjacent mulched/landscaped areas)

ADDITIONAL REQUIRED MATERIALS:

See other attachments.

HOUSE

POND

LAWN
AREA

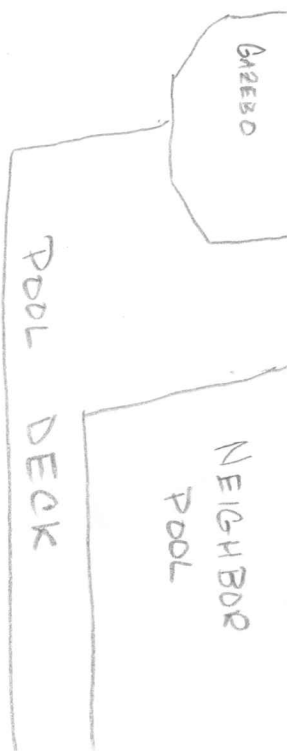
Duck
house

OUR PROPERTY LINE



SHADED AREA =
1000 SQ. FT.
NATIVE PLANTINGS

NEIGHBOR
JOINT
FENCE / PROPERTY LINE



SCHMIDT PROJECT

PLANT LIST

Name	Scientific name
Bur Oak	<i>Quercus macrocarpa</i>
River Birch	<i>Betula nigra</i>
Black Cherry	<i>Prunus serotina</i>
Pagoda Dogwood	<i>Cornus alternifolia</i>
Elderberry	<i>Sambucus canadensis</i>
Dwarf Bush Honeysuckle	<i>Diervilla lonicera</i>
American Black Currant	<i>Ribes</i>
American Plum	<i>Prunus americana</i>
Nannyberry	<i>Viburnum lentago</i>
Herbaceous Plants	
Zig Zag Goldenrod	<i>Solidago flexicaulis</i>
Golden Alexanders	<i>Zizia aurea</i>
Anise Hyssop	<i>Agastache foeniculum</i>
Button Blazing Star	<i>Liatris aspera</i>
Wild Bergamot	<i>Monarda fistulosa</i>
Prairie Onion	<i>Allium stellatum</i>
Pussytoes	<i>Antennaria plantaginifolia</i>
Butterfly Weed	<i>Asclepias tuberosa</i>
Blue Wild Indigo	<i>Baptisia australis</i>
Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>
Purple Coneflower	<i>Echinacea purpurea</i>
Rattlesnake Master	<i>Eryngium yuccifolium</i>
Blanket Flower	<i>Gaillardia aristata</i>
Prairie Smoke	<i>Geum triflorum</i>
Mountain Mint	<i>Pycnanthemum virginianum</i>
Orange Coneflower	<i>Rudbeckia fulgida</i>
Stiff Goldenrod	<i>Solidago rigida</i>
Little Bluestem	<i>Schizachyrium scoparium</i>
Northern Dropseed	<i>Sporobolus heterolepis</i>

- WILL BE INCREASING TREES AND DECREASING PERENNIALS
- ALL NATIVE SPECIES



Estimate

Gina Ganno Schmidt
428 Bruns Ct
Vadnais Heights, MN 55127
651.766.7903
ggschmidt@me.com

Project: Landscape Estimate

Date: October 21, 2019

Proposal #1a: Remove sod, haul away and, prepare mulched planting beds of approx.. 600 sqft. along back property line. This bed shall create more privacy and screening to the neighboring yards. Install 2 -10 gal trees 15 – 5gal shrubs, 100 – 1 gal native perennials, 1 yard of compost, and 4 yards of shredded hardwood mulch.

\$4200.00

Total

Increase trees to 5 - 10 gal trees.

Decrease perennials to balance total \$.

Contract Terms

This is an agreement between "Customer", defined above, and Ecoscapes LLC. Under the terms set forth below, Customer agrees to purchase the services of Ecoscapes LLC in preparing and constructing the landscaping and/or brick paving and/or retaining wall design as set forth in the Proposals, and Ecoscapes LLC agrees to render such services.

As consideration, Customer agrees to pay Ecoscapes LLC the amount shown as "Total" ("Contract Price") in exchange for performing the services described in the Proposals that are initialed or agreed to. The parties further agree as follows:

Payments

Customer will pay Ecoscapes LLC as stated in proposal or 50% of the Contract Price upon acceptance of the Proposal. Ecoscapes LLC will invoice Customer for the remaining balance along with any change orders due to site conditions, customer's changes or additions, and design changes, when work is substantially complete, as determined by Ecoscapes LLC. The invoice shall be paid by Customer within 15 days of the invoice date. If the total balance is not received by Ecoscapes LLC. by the end of the 15-day period, interest will be paid on that balance by Customer at a rate of 1.5% per month. Failure by Customer to pay the remaining balance within 105 days will constitute breach of this agreement. Upon breach of this agreement, Customer agrees to pay all costs of collecting any remaining balances, including attorney's fees. No warranties will be issued until full payment is received.

Brick Paving/ Retaining Walls

Ecoscapes LLC warrants that brick paving or retaining wall material used in this contract will be free from defects and the installation will be functional for a period of two (2) years from the date of completion of the Contract, provided the installation was used as was intended when the project was designed, and was not misused. Any repairs/replacements made to any installation after expiration of the warranty will be made at Customer's expense. Any repairs made to any installation by any party other than Ecoscapes LLC voids any warranties offered by Ecoscapes LLC.



Plants

Ecoscapes LLC will offer one-time only replacement of any tree, shrub, evergreen, woody vine, or perennial that has died within one (1) year from the date of installation, provided the plant has been cared for as instructed, and not abused. Ecoscapes LLC will not replace plants killed by animals, rodents, insects, mechanical damage, neglect, natural disasters or other reasons over which Ecoscapes LLC has no control. This warranty does not cover annuals, seeds, bulbs, roses and non-winter hardy plants. An additional labor charge for plant removal and reinstallation will apply. Any repairs/replacements made to any installation after expiration of the warranty will be made at Customer's expense. Any repairs made to any installation by any party other than Ecoscapes LLC voids any warranties offered by Ecoscapes LLC.

Underground Work

Ecoscapes LLC is not responsible for underground obstructions not marked by Gopher State One Call, or improperly marked by property owner including but not limited to dog fences, irrigation lines, gas grill, or any other private utilities.) Removal of any unforeseen or unmarked underground item including but not limited to large boulders, concrete, stumps, or debris will be billed at an hourly rate. Ecoscapes LLC will notify customer as soon as possible if then items are un-earthed.

Changes

Ecoscapes LLC will make reasonable efforts to complete the Contract as designed. Circumstances may arise beyond the control of Ecoscapes LLC that may prevent construction of the Contract exactly as planned. Ecoscapes LLC will make reasonable efforts to minimize this impact on the design and construction. Customer acknowledges this possibility and accepts the action Ecoscapes LLC will take to minimize the potential change in design. If Customer wishes to change any part of the installation after this agreement is signed, but prior to commencement of installation, which results in additional material or labor costs for Ecoscapes LLC or results in delays in the completion of the Contract, said costs will be added to the remaining balance of the Contract and billed as part of the original Contract. Any changes in the design or Contract, whether the changes result in additional time, cost, or neither, must be made in writing and signed by both parties, using an Additional Work Order Form.

Permits

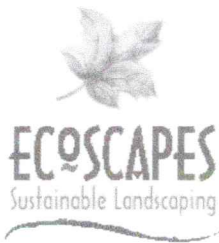
Customer is responsible for securing all necessary permits. Unless specified in writing, Ecoscapes LLC is not responsible for code violation made at Customer request.

PROJECT START AND COMPLETION

An estimate of the number of days to complete the contracted work and an expected start date are provided as a courtesy. There may be delays in the beginning date and completion date due to poor weather or other circumstances beyond the control of Ecoscapes LLC. Those delays will not alter or invalidate any part of this Contract, nor will they entitle Customer to additional rights under the Contract

Termination

This agreement may be canceled by Customer by mailing written notice to Ecoscapes LLC before midnight the third business day after Customer has signed this agreement. If after that time Customer wishes to terminate this Contract, Customer must give Ecoscapes LLC five (5) days advance written notice. Ecoscapes LLC will retain any



monies paid by Customer up to the effective date of termination, and is entitled to any expenses for materials or other expenses incurred by Ecoscapes LLC.

Estimates

Ecoscapes LLC will make reasonable effort to accurately estimate the materials needed to complete the Contract. However, Customer acknowledges that there may be differences between the estimate and the final price. If the actual price is less than the estimated Contract Price, that amount will be discounted on the final payment due Ecoscapes LLC. If the actual price is more than the estimated Contract Price, that additional amount will be added to the final payment due Ecoscapes LLC. Customer will pay Ecoscapes LLC that additional amount.

Notice of Lien Rights

AS REQUIRED BY THE MINNESOTA CONSTRUCTION LIEN LAW, BUILDER HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED BUILDER, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO THE MORTGAGE LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

The failure of Ecoscapes LLC to enforce any right accruing under this agreement shall not be construed as a waiver of a subsequent right of Ecoscapes LLC to enforce the same or any other right, term or condition.

This agreement shall be interpreted and enforced in accordance with the laws of the State of Minnesota.

To agree to individual proposals of contract, initial next to price of agreed proposal and write in calculated total contract price in space provided. Sign contract below to create a binding agreement.

Customer Signature *Bina Schmidt* Date 4/13/2020



Vadnais Lake Area Water
Management Organization
800 County Road E East
Vadnais Heights, MN 55127
www.vlawmo.org
(651) 204-6071

LANDSCAPE LEVEL 1 GRANT APPLICATION FORM

Please submit form and required materials
to: TYLER THOMPSON
tyler.thompson@vlawmo.org

Please fill in the application as best as possible and use additional pages if necessary. Refer to the Grant Guidance document for further information or contact Tyler Thompson with any questions.

APPLICANT INFORMATION

NAME: VICTORI RIBEIRO DATE: 4.28.2020
 ADDRESS: 1630 HWY 96 E CITY: WHITE BEAR TWP. ZIP: 55110
 PHONE: 651.503.0482 EMAIL: neyx@umn.edu

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ 1356.71 AMOUNT OF GRANT REQUESTED: (\$2,000 MAXIMUM) \$ 1017.43

WHEN DO YOU PLAN TO COMPLETE YOUR PROJECT? MID-JUNE

TYPE OF PROJECT THAT WILL BE COMPLETED:

Raingarden/ Infiltration Basin Shoreline Restoration Native Plant Restoration Other

If other, please describe proposed project: POLLINATOR HABITAT

PROJECT BACKGROUND

Describe your property: Does your property connect to a lake, stream, ditch, or wetland? What issues are you hoping to address with your project?
0.73 HEAVILY TREED ACRE; NO BORDERING H₂O.
ISSUE TO ADDRESS: IMPROVE / INCREASE AVAILABILITY OF FOOD / NECTAR SOURCES FOR MONARCHS & BEES; IMPROVE / ENCOURAGE BIODIVERSITY.

Describe how your project will support the goals of the Landscape Grant Program (see guidance materials for more information).
THE PLANTING (BOTH TREES & PLANTS) WILL HELP RESTORE NATIVE PLANT & WILDLIFE COMMUNITIES & THE ROOT SYSTEMS HELP IMPROVE WATER QUALITY, PREVENT FLOODING & INCREASE WATERSHED STORAGE CAPACITY - IN MY UNDERSTANDING.

PROJECT SPECIFICATIONS

In order to determine the water quality benefit of your project (amount of stormwater and pollutants captured), specific information is required for VLAWMO staff to perform the calculations. If you are working with a professional landscaper, they should be able to provide you with this information.

TOTAL PROPERTY AREA (SQ.FT): 31,799 PROJECT SIZE (SQ.FT.): ~1200

IMPERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): ~420 (DRIVE) PERVIOUS AREA DRAINING TO PROJECT (SQ.FT.): -

IF YOUR PROJECT INCLUDES INFILTRATION, PLEASE PROVIDE THE FOLLOWING INFORMATION

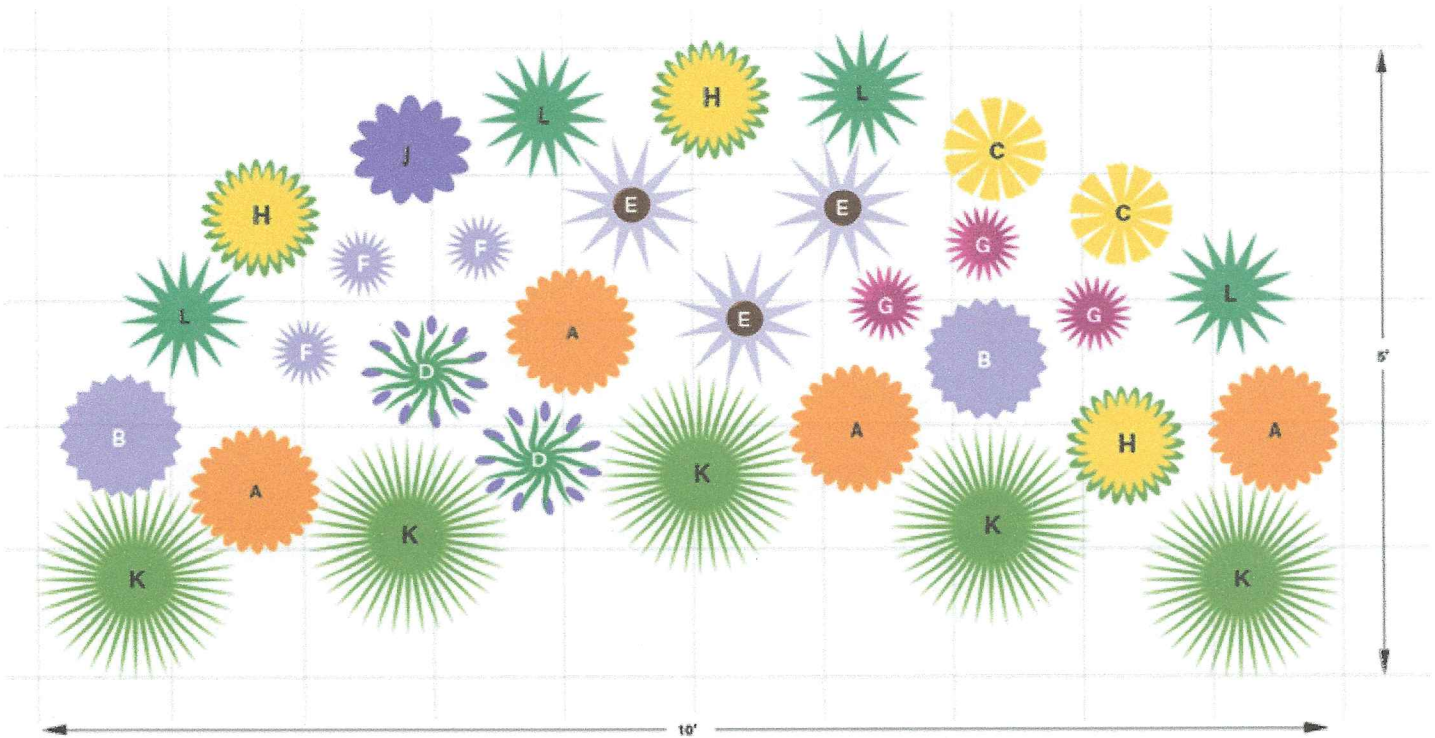
SOIL INFILTRATION RATE (INCHES/HR): DEPTH OF RAINGARDEN (INCHES):

ADDITIONAL REQUIRED MATERIALS

Include a detailed drawing and budget for your project compiled by either yourself or your contractor that provides information for how the project will be installed, lists the materials that will be purchased (see guidance regarding what can be included as part of the grant program) and a list of the plants that will be used. Native restoration projects are required to use ONLY plants that are native to this ecoregion. All other projects must include AT LEAST 50% native plants. Hybrids of native plants will not count towards this requirement. **This information may be scanned and emailed to VLAWMO GIS Watershed Technician, Tyler Thompson (tyler.thompson@vlawmo.org)**

PLANTING PLAN

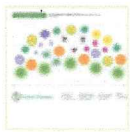
32 Plant Monarch Habitat Garden for Dry Soils in Full Sun
Item# 50043



- | | | | |
|----------------------------------|-------------------------------------|---------------------------------|-------------------------------|
| A Butterflyweed (4) | D Purple Prairie Clover (2) | G Meadow Blazingstar (3) | GRASSES |
| B Smooth Aster (2) | E Pale Purple Coneflower (3) | H Showy Goldenrod (3) | K Prairie Dropseed (5) |
| C Lanceleaf Coreopsis (2) | F Rough Blazingstar (3) | J Hoary Vervain (1) | L Little Bluestem (4) |

32 Plant Monarch Habitat Garden

- for dry sandy to loam soils in full sun



Wildflowers

- 4 [Butterflyweed](#)
- 2 [Smooth Aster](#)
- 2 [Lanceleaf Coreopsis](#)
- 2 [Purple Prairie Clover](#)
- 3 [Pale Purple Coneflower](#)
- 3 [Rough Blazingstar](#)
- 3 [Meadow Blazingstar](#)
- 3 [Showy Goldenrod](#)
- 1 [Hoary Vervain](#)

Grasses

- 5 [Prairie Dropseed](#)
- 4 [Little Bluestem](#)

Area: 50 square ft (10' x 5')

Soil: Well drained sand, sandy-loam or loam

Light: Full sun

Quantity		Price Ea.
1	N/A	\$139.00

ENTER A QUANTITY

Qty: [Add to Cart](#)

Create a unique garden space just for Monarchs with this 32 plant garden designed specifically for dry sand to loam soils.

Butterflyweed (*Asclepias*) is featured as a host plant for the Monarch caterpillars. We've also included a colorful variety of preferred nectar flower sources that will bloom throughout the growing season. We've given special attention to late season flowers which serve as a critical food source for the migrating adults as they prepare for their long journey to Mexico in the fall.

Even a small garden can provide important habitat and nectar for these amazing butterflies. Help support the survival of this unique butterfly by planting a Monarch Habitat Garden.

You'll save 26% over the price of separately priced plants when you purchase this Pre-planned Garden.

Item	Supplier	Cost
Pollinator shrub & tree delivery & Install	Outback Nursery	500
Serviceberry & Pollinator Trees	Out Back Nursery	655.36
Native Planting Plugs + shipping & tax	Prairie Nursery	201.21
	Total	1356.57



Vadnais Lake Area Water Management Organization
 800 East County Rd E
 Vadnais Heights, MN 55127
 www.vlawmo.org
 (651) 204-6070

LANDSCAPE LEVEL 1 GRANT APPLICATION FORM

Please submit form and required materials to: TYLER THOMPSON
tyler.thompson@vlawmo.org

Please fill in the application as best as possible and use additional pages if necessary. Refer to the Grant Guidance document for further information or contact Tyler Thompson with any questions.

APPLICANT INFORMATION

NAME: Sonja Piper DATE: 4/14/2020
 ADDRESS: 4326 Oakmede Ln CITY: White Bear Twp ZIP: 55110
 PHONE: 952-210-8710 EMAIL: piper.sonja@gmail.com

PROJECT SUMMARY

ESTIMATED TOTAL COST OF YOUR PROJECT: \$ 1,782 AMOUNT OF GRANT REQUESTED: (\$2000 MAXIMUM) \$ 1,337

WHEN DO YOU PLAN TO COMPLETE YOUR PROJECT? May 2020

TYPE OF PROJECT THAT WILL BE COMPLETED:

- Raingarden Shoreline Restoration Native Plant Restoration Other

If other, please describe proposed project: _____

PROJECT BACKGROUND

Describe your property: Does your property connect to a lake, stream, ditch, or wetland? What issues are you hoping to address with your project?

Our property is approximately 500 ft from Rice Lake with both storm sewer and a ditch system draining to the lake area. Approximately 2 years ago the power company cut down 6 pine trees that lined our property. I'd like to replant the area with native plants and pollinators to restore the area and environment for wildlife community.

Describe how your project will support the goals of the Landscape Grant Program (see guidance materials for more information).

This project will replace the standard lawn with native plants and mulch to restore the area and environment for the wildlife community, especially bees and butterflies. This area will also reduce the need for adding lawn chemicals and other standard lawn maintenance activities.

PROJECT SPECIFICATIONS

In order to determine the water quality benefit of your project (amount of stormwater and pollutants captured), specific information is required for VLAWMO staff to perform the calculations. If you are working with a professional landscaper, they should be able to provide you with this information.

TOTAL PROPERTY AREA
(SQ.FT.):

15,035 sq ft

PROJECT SIZE
(SQ.FT.):

1,345 sq ft

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

Approx 150 sq ft

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

Approx 1,200 st ft

IF YOUR PROJECT INCLUDES INFILTRATION, PLEASE PROVIDE THE FOLLOWING INFORMATION

SOIL INFILTRATION
RATE (INCHES/HR):

DEPTH OF RAINGARDEN
(INCHES):

ADDITIONAL REQUIRED MATERIALS

Include a detailed drawing and budget for your project compiled by either yourself or your contractor that provides information for how the project will be installed, lists the materials that will be purchased (see guidance regarding what can be included as part of the grant program) and a list of the plants that will be used. Native restoration projects are required to use ONLY plants that are native to this ecoregion. All other projects must include AT LEAST 50% native plants. Hybrids of native plants will not count towards this requirement. **This information may be scanned and emailed to VLAWMO GIS Watershed Technician, Tyler Thompson (tyler.thompson@vlawmo.org)**

CODE	DESCRIPTION	QTY	Size	Cost	Total Cost
BW	Butterfly weed - Asclepias tuberosa	12	#1	\$12.99	\$155.88
BES	Black Eye Susan - Rudbeckia hirta	10	#1	\$9.99	\$99.90
BH	Bush Honeysuckle - Diervilla lonicera	5	#2	\$30.99	\$154.95
BB	Bee Balm - Monarda fistula	10	#1	\$9.99	\$99.90
MBS	Meadow Blazing Star- Liatris ligulistylis	7	#1	\$9.99	\$69.93
PPC	Purple Prairie Clover - Dalea purpurea	6	3.5"	\$3.99	\$23.94
TH	Chelone glabra - Turtlehead	6	3.5"	\$3.99	\$23.94
PS	Prairie Smoke - Geum triflorum	6	#1	\$10.99	\$65.94
PC	Purple Coneflower - Echinacea purpurea	10	#1	\$9.99	\$99.90
YC	Yellow Coneflower - Ratibida columnifera	7	#1	\$9.99	\$69.93
PO	Prairie Onion - Allium stellatum or Nodding Onion - Allium cernuum (#1)	7	#1	\$10.99	\$76.93
NEA	New England Aster- Symphyotrichum novae-angliae	7	#1	\$9.99	\$69.93
PC	Prairie Coreopsis - Coreopsis palmata	6	3.5"	\$3.99	\$23.94
LBS	Little Bluestem - Schizachyrium scoparium or Prairie Dropseed - Sporobolus heterolepis	14	#1	\$12.99	\$181.86
RM	Rattlesnake Master - Eryngium yuccifoliatum	3	3.5"	\$3.99	\$11.97
	Mulch - Double Shredded - 4" (CY)	10	CY	\$33.05	\$330.50
	Boulders - Fieldstone (12-24") (Qty 6 * 150 lbs)	0.5	TON	\$131.45	\$65.73
	Boulders - Fieldstone (6-12") (Qty 8 * 80 lbs)	0.4	TON	\$180.00	\$72.00
	Rental - 8 HP Tiller (4 hour rental)	1		\$85.00	\$85.00
	Estimated Cost				\$1,782.07
	Native Planting Grant				\$1,337.00
	Owner Match				\$445.07

3.5" POT

#1 = 1 GALLON

Mulch - Double shredded = \$33.05 per yard

Boulders - Fieldstone = 12-24" \$131.45 per ton - will not need a Ton

Fieldstone = 6-12" - \$180.00 per ton