

VLAWMO TECHNICAL COMMISSION MEETING

8:15 AM July 9, 2025

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

Action items: ●

- I. **Call to Order – 8:15am – Chair Ousky**
- II. **Approval of Agenda ●**
- III. **Approval of Minutes (June 11, 2025) ●**
- IV. **Administration & Operations**
 - A. Financial Report for July and Authorization for Payment (Report will be sent to TEC members on Monday July 7 via email and hard copies provided at meeting) - Phil ●
 - B. Update on 2026 VLAWMO Budget - Phil - 9
- V. **Programs**
 - A. SHG 2025-10 Shapland Turfgrass Replacement Application - Lauren - 10, 13
 - B. Elmwood Park and White Bear Lake Curb Cut Rain Garden Update - Lauren - 10
 - C. Update on June Outreach Events - Angela - 11, 24
 - D. SPRWS Wellhead Protection Plan Story Map - Brian - 11, 27
- VI. **Projects – Dawn**
 - A. WMP 60-day Review update - 12
 - B. 319 Update: Remaining Scope for Phase 1 status - 12
 - C. Rotary Nature Preserve Restoration Contract and First Scope update - 12
 - D. Tamarack Alum Phase 3 update - 12
- VII. **Commissioner Reports**
- VIII. **NOHOA**
- IX. **Ramsey Soil & Water Conservation Division**
- X. **St. Paul Regional Water Services**
- XI. **Public Comment**
- XII. **Next meetings: TEC: August 13, 2025, Board Meeting: August 27, 2025**
- XIII. **Adjourn ●**

Upcoming Events: Visit [vlawmo.org/events](https://www.vlawmo.org/events)

July 19: Lawns to Legumes Garden Tour Day
July 31: White Bear Lake Environmental Resources Expo

**Vadnais Lake Area Water Management Organization
Technical Commission (TEC) Minutes
June 11, 2025
Vadnais Heights City Hall, Council Chambers
800 County Road E East, Vadnais Heights, MN 55127**

Commission Members Present:

Nick Ousky	Vadnais Heights (VH)
Gloria Tessier	Gem Lake (GL)
Susan Miller	North Oaks (NO)
Tom Hoffman	City of Lino Lakes (LL)
Jami Philip	White Bear Township (WBT)
Terry Huntrods	City of White Bear Lake (WBL)

Absent: None.

Others in attendance: Phil Belfiori, Brian Corcoran, Dawn Tanner, Lauren Sampedro, Angela Hugunin (VLAWMO staff); Jeremy Erickson (SPRWS), Ed Shapland (WAV).

I. Call to Order

Chair Ousky called the meeting to order at 8:15 am.

II. Approval of Agenda

Sampedro passed out a proposed revised meeting agenda. It contains two new agenda items under V. Programs: CB 2025-01 Incarnation Lutheran Church and SHG 2025-09 Novotny Bee Lawn and Wetland Buffer Applications.

It was moved by Commissioner Miller and seconded by Commissioner Philip to approve the June 11, 2025 TEC agenda as revised. Vote: all aye. Motion passed.

III. Approval of Minutes (May 14, 2025)

It was moved by Commissioner Huntrods and seconded by Commissioner Philip to approve the May 14, 2025 meeting minutes as presented. Vote: all aye. Motion passed.

IV. Administration & Operations

A. June Financial Report and Consider Authorization for Payment

Administrator Belfiori summarized the June financial statement as included in the meeting materials. He noted income from interest and highlighted key expenditures including continued WMP development, water monitoring work, project work to complete Tamarack alum phase 2 with Barr Engineering, as well as a study in Lino Lakes.

Staff recommended approval of the June financial report for payment.

It was moved by Commissioner Huntrods and seconded by Commissioner Miller to approve the June financial report and authorize for payment. Vote: all aye. Motion passed.

B. June TEC Report to the Board

Administrator Belfiori shared the June TEC Report to the Board, summarizing key items including ongoing project work, outreach program updates, and grant program applications. Belfiori thanked Commissioner Huntrods for representing the TEC at the recent subcommittee meeting where the 2026 budget was discussed. He noted continued work on the SSU due to the recent watershed boundary change and the WMP development process.

It was moved by Commissioner Huntrods and seconded by Commissioner Miller to approve the June TEC Report to the Board. Vote: all aye. Motion passed.

C. Update on VLAWMO Joint Powers Agreement (JPA)

Administrator Belfiori described continuing work to update the JPA, a guiding document for VLAWMO's work as a Joint Powers Organization. He highlighted minor changes for language accuracy, updates to voting requirements for the annual capital improvement budget, and revising the duration of the JPA to 10 years rather than 20 years. If approved by the BOD at their June meeting, it will move to action and signature from member communities.

Commissioner Miller asked if the end result of this process will be no major change to the JPA. Administrator Belfiori explained that the JPA has primarily needed wording updates to better reflect how VLAWMO conducts its modern responsibilities, as the prior language needed updating in the areas of financing, logistics of how commission meetings are run, voting requirements, etc. He clarified that from an overall standpoint it will not change how VLAWMO does business but rather will freshen up the JPA in tandem with the updated WMP as its development continues.

V. Programs

A. Update on Recent Outreach Activities

Huginin provided an overview of outreach activities that occurred in May throughout the watershed. She highlighted the WAV Cleanup day on May 10th, where a group of new and returning volunteers removed trash from around Vadnais-Sucker Lake Park. On May 15th, VLAWMO hosted a guest speaker from Monarch Joint Venture for a workshop focused on gardening practices that support pollinators and clean water. Staff joined members of the Vadnais Heights Green Team on May 17th to give a brief talk on the importance of storm drains for watershed health. On May 29th, VLAWMO staff participated in an exciting field day at the Rotary Nature Preserve as part of a partnership with the Rotary Club of White Bear Lake and City of White Bear Lake. The group welcomed kindergarten through second

grade students from Birch Lake Elementary to a macroinvertebrate lab, read aloud, and nature hike. Chair Ousky thanked Hugunin.

D. CB 2025-01 Application: Incarnation Lutheran Church

Hugunin presented an application for the Community Blue grant program from Incarnation Lutheran Church. She provided a brief overview of the Community Blue grant program given that the TEC had not see an application for this program in a while. She highlighted the program's outreach focus as a distinguishing feature from the landscaping grants. Hugunin then presented the application, summarizing the location of the project site and site conditions, which include a large parking lot with two rain gardens.

The application project plan includes five main elements, from rehabilitation of rain garden areas to outreach efforts including educational signage, educational puppet shows for youth, water stewardship workshops, and storm drain outreach in surrounding neighborhoods.

Staff recommended approval of the application in the amount of \$10,000.

Commissioner Miller asked if staff knew why the current raingardens were not maintained. Hugunin noted that management of the rain gardens had shifted over time, and the current group identified the need to change maintenance practices once the rain gardens are revitalized. They are aware of the shortcomings in current practice and have expressed interest in better maintaining the future project.

Commissioner Hoffman asked if staff knew whether the original rain gardens were required by the City. Sampedro replied that no record could be found of the rain gardens being required.

It was moved by Commissioner Miller and seconded by Commissioner Tessier to approve the CB 2025-01 grant application in the amount of \$10,000. Vote: all aye. Motion passed.

E. SHG 2025-09 Application: Novotny Bee Lawn & Wetland Buffer

Sampedro shared an application for the Soil Health grant program from landowners Angela and Jason Novotny for a bee lawn and wetland buffer project that will total about 4,100 square feet at their 1.16-acre property in White Bear Township.

Sampedro shared that the project drains directly to an adjacent wetland that covers much of their property, noting the proximity of the neighboring wetland. She shared that the homeowners regularly remove trash, debris, and other items that were previously dumped in the wetland. The proposed project would add a buffer with over 50 native plant species to filter runoff before it enters the wetland. In addition, they will add a bee lawn to their property after dethatching the majority of the front lawn.

The total estimated project cost is \$1,160.28. Staff recommended approval of SHG 2025-09 in the amount of \$870.20.

Commissioner Tessier noted that she has observed trash in the aforementioned wetland area. Sampedro affirmed that wetland is a primary feature of this area and noted the benefit of the landowners' interest in improving the health of the wetland.

Commissioner Miller shared that the retaining wall replacement process will help accelerate any de-thatching efforts.

It was moved by Commissioner Miller and seconded by Commissioner Huntrods to approve SHG-09 in the amount of \$1,160.28. Vote: all aye. Motion passed.

VI. Projects

A. Vadnais Heights Grant Application Partnership & Resiliency Study Update

Sampedro provided an update on two MPCA grant opportunities through partnership with the City of Vadnais Heights, including the Sewer Overflow and Stormwater Reuse Municipal Grant (OSG) and the Planning Grant for Stormwater, Wastewater, and Community Resilience (Planning grant). The OSG grant would be for completing feasibility work and project designs for the potential flood reduction and water quality project behind the Vadnais Heights City Hall. The Planning Grant is for a full-City resiliency study.

Sampedro shared that the City of Vadnais Heights was notified that both grant applications were approved by the MPCA, with both grants moving forward. Once the City has executed their grant agreements with the MPCA, the City and VLAWMO will enter an agreement to outline the roles for implementing the grant workplans. Sampedro shared staff's appreciation for the chance to partner on these grant projects.

Sampedro also shared a brief update on two LCCMR grant applications that were submitted, one in partnership with White Bear Township and one with the City of Vadnais Heights. Staff hopes to have an update on this at the next TEC meeting.

B. WMP Recommendation to the Board to Initiate 60-day Review

Tanner shared an update on the development process for the 2027-2036 WMP, noting that the complete draft WMP was provided to the TEC. She revisited staff's request for the TEC's review and recommendation to the Board to review and initiate the 60-day review.

Staff requested that the TEC recommend to the Board to review the completed WMP 2027-2036 draft and authorize staff to complete the steps to initiate the 60-day formal Review at the June 25 Board meeting.

Commissioner Miller asked if VLAWMO feels that state agency partners are OK with the plan as it is currently prepared. Tanner responded that the TEC+ process was a nice step toward receiving initial and in-depth feedback from agency partners on the draft WMP. Nevertheless, Tanner explained that there is still an expectation that more comments will be received from the 60-day formal review process.

It was moved by Commissioner Tessier and seconded by Commissioner Miller to recommend that the Board review the completed WMP 2027-2036 draft and authorize staff to complete the steps to initiate the 60-day formal Review at the June 25 regular Board meeting. Vote: all aye. Motion passed.

C. 319 Update: Remaining Scope for Phase 1

Tanner shared that VLAWMO staff and project partners have continued to work closely with the MPCA to finalize the Wilkinson deep-water wetland project by August 31, 2025, through the 319 small priority watersheds grant program. Tanner explained that some funds remain from this grant due to the low bids received.

Tanner provided an update on objective 3, sharing that NST is out on site this week to continue with vegetation maintenance and enhancement through the approved contract, ensuring funds are utilized by the deadline.

For objective 2, Tanner highlighted cost savings that allowed for a 30% expansion of the project area. She shared that additional transplant efforts are in progress, with five trips planned for July. Development of an educational sign is also underway for the deep-water wetland.

Even with the work encompassed by these objectives, Tanner explained that there will be some funding remaining at the end of this period. Tanner listed the approximate funding amounts for both grant funding to return and cash match that will not be spent.

Staff requested that the TEC recommend to the Board to complete the remaining tasks as described above and work with the MPCA to return remaining funds once final invoices are received.

It was moved by Commissioner Philip and seconded by Commissioner Huntrods to recommend to the Board to complete the remaining tasks as described above and work with the MPCA to return remaining funds once final invoices are received. Vote: all aye. Motion passed.

D. Rotary Nature Preserve Restoration Contract and First Scope

Tanner gave an update on staff's restoration partnership work with the City of White Bear Lake at the Rotary Nature Preserve. She shared staff's work with legal counsel to prepare a contract and receive the first task order, with the first order beginning in summer of 2025 and continuing through 2026.

Staff requested that the TEC recommend that the Board authorizes and signs the contractor services agreement with NST and accepts and authorizes signed Task Order 1 with NST.

It was moved by Commissioner Huntrods and seconded by Commissioner Miller to recommend to the Board to authorize and sign the contractor services agreement with NST and accept and authorize signed Task Order 1 with NST. Vote: all aye. Motion passed.

E. Tamarack Alum Engineering Scope for Phases 3 and 4

Tanner summarized engineering scopes for previous Phases 1 and 2 of Tamarack Alum. She explained that Barr Engineering has now provided a scope and letter agreement for engineering oversight and inspection for Phases 3 and 4 in the amount of \$13,600.

Staff requested that the TEC recommend to the Board to authorize and sign the Agreement for Tamarack Lake Phases 3 and 4 Alum Treatment Engineering Services in the amount of \$13,600.

It was moved by Commissioner Tessier and seconded by Commissioner Huntrods to recommend that the Board authorize and sign the Agreement for Tamarack Lake Phases 3 and 4 Alum Treatment Engineering Services in the amount of \$13,600. Vote: all aye. Motion passed.

F. Spring Project Update: Common Carp Removal and Birch AIS

Tanner shared that small carp removals were completed throughout the month of May. A total of approximately 2000 pounds of carp have been removed so far. Antennae monitoring is ongoing, and a biomass estimate will be completed later this season to inform plans for 2026. All estimates so far are showing that biomass this year is lower than in years past, which may be an indicator of an imminent shift toward the maintenance phase of this project.

Tanner noted that Big-mouth buffalo were moved over the barrier during each removal. The spawning run appears to be later than in previous years.

Tanner also noted that the new barrier at Chickadee Lane has been working well, and work is underway to remove the other barrier between Deep and Wilkinson Lakes. Carp Solutions and VLAWMO staff are conducting regular field checks and communicating with residents in the area.

For Birch Lake, Tanner shared that hand-pulling removal was completed by Dive Guys on May 29 and 30. Hybrid Eurasian watermilfoil and curly-leaf pondweed were removed. Tanner thanked Commissioner Huntrods for his involvement in this process and shared that a post-survey will take place next week.

VII. Commissioner Reports

Commissioner Miller shared a report of beavers making their home in Pleasant Lake, causing some consternation through their tree removal. She shared that so far, NEST (of NOHOA) has advised residents that the beavers should be left alone. Tanner shared a book that could be of interest for residents looking to learn more about beavers. Commissioner Miller thanked Tanner for the information.

VIII. NOHOA

None

IX. Ramsey Soil & Water Conservation Division

None

X. St. Paul Regional Water Services

Erickson noted increased Saint Paul Regional Water Services boat traffic over Pleasant and Vadnais in recent days. He shared that much-needed maintenance has been taking place on the lake oxygenation systems. These efforts should keep algal blooms to a minimum on these lakes.

XI. Public Comment

None

XII. Next Meetings

TEC Meeting: July 9, 2025 at 8:15 a.m.; Board Meeting: June 25, 2025 at 7:00 p.m.

XIII. Adjourn

It was moved by Commissioner Philip and seconded by Commissioner Huntrods to adjourn the meeting at 9:08 am. Vote: all aye. Motion passed.

TEC Staff Memo – July 9, 2025

IV. Administration & Operations

A. July Financial Report and Consider Authorization for Payment

Please find the July financial report and authorization to pay bills for consideration and approval.

B. Update on 2026 VLAWMO Budget

At their June 25, 2025 meeting the VLAWMO Board approved the 2026 annual budget. As approved, budgeted expenditures for 2026 will be \$2,687,245.

To pay these expenditures the projected income within the approved working budget for 2026 is made up of revenue from the VLAWMO storm sewer utility fee, VLAWMO fund balance and carryover funds, grants, partnership from local communities/partners, fees and investment income. These outside funding revenue grant amounts are anticipated to be revised based on project board action and project timing constraints and or other variables.

Summary of some of the key 2026 approved Budget project highlights include:

1. East Vadnais Lake Subshed Resiliency Project (pending feasibility, grant exists?, timing and partnerships);
2. Polar Lakes Park Water Reuse Project (pending WBT partnership and grant application);
3. Resiliency Study– Vadnais Heights City-wide partnership (feasibility and timing and grants);
4. Local match for 2nd 319 small watershed grant project design - (if exists?, feasibility and timing and partnership) ;
5. "Green" Streets Demonstration Project – Planning/Implementation (feasibility and timing and grants);
6. Water quality pretreatment project (upstream of Birch Lake IESF) – (feasibility and timing and scale);
7. Internal load/alum on Tamarack Lake (Timing);
8. Oxygenation system (Pleasant Lake) expanded dosing partnership (pending SPRWS partnership, feasibility and timing);
9. Polar Chev/61 channel restoration /sediment in lake removal (MNDOT? And
- 10.technical feasibility).
- 11.Pleasant Lake project partnerships including Carp mngt, AIS, Shoreline management and city infrastructure plan development. (partner implementation and timing);
- 12.Amount of public drainage maintenance needed per ongoing system inspections and City partnerships;
- 13.Number of voluntary raingarden cost share applications in City street reconstruction projects in the City of Vadnais Heights and City of White Bear Lake. Overall voluntary cost share programs budget uncertainty.

V. Programs

A. SHG 2025-10 Shapland Turfgrass Replacement Application

Landowners Ceci and Ed Shapland submitted a Soil Health Grant application for replacing turfgrass with native plantings over an area of 568 square feet at their 0.29 acre property in Vadnais Heights. This project builds on a previous grant project from 2020 that involved replacing turfgrass with a 390 square foot native garden in the front yard. This application proposes the removal of turfgrass and replacement with Pennsylvania sedge and a variety of shade-tolerant native plants in two areas of the front yard, including an expansion of the 2020 native plant garden. The native plants for the new garden area were selected to continue the applicants' work in improving pollinator habitat. Converting turf grass with the Pennsylvania sedge will also reduce runoff in an area that currently drains down a steep slope towards a wetland that ultimately drains to East Vadnais Lake. The landowners have hired Green Space, LLC to design and install the project. The existing sod will be manually cut and removed, and compost and mulch will be added to the expanded native plant garden area. This project presents a significant educational and outreach opportunity as both parts of the project are located in the front yard within a HOA that largely contains properties with predominantly turfgrass yards. This property has also been featured on previous grant project tours and is on the list to be a stop at our August 19th neighborhood garden tour. The proposed project is expected to be installed in time for the tour. The total estimated project cost is \$5,790.75.

Attachment: SHG 2025-10 application materials

Requested action: Staff recommends approval of SHG 2025-10 in the amount of \$1,000.

B. Elmwood Park and White Bear Lake Curb Cut Rain Garden Update

The City of Vadnais Heights' Elmwood Park curb cut rain garden project that was approved for 2024 VLAWMO funding through the Landscape Level 2 grant program and Board of Water and Soil Resources (BWSR) Watershed Based Implementation Funding program was recently completed this past June. The project was constructed in fall of 2024 and planted with native plants in spring. The project will be featured in the City of Vadnais Heights' July newsletter with a plug for VLAWMO's grant programs and the partnership work with the City on water conservation. The City currently has a storywalk at Elmwood Park featuring the book "the Honeybee" to help residents interact with the rain garden and think about its benefits for pollinators. The project will be discussed at the August 5th Board tour and the TEC are welcome to attend. A sign for the project is underway and will hopefully be installed by August.

The City of White Bear Lake's curb cut rain garden project that was approved for 2024 VLAWMO funding through the Landscape Level 2 grant program and BWSR Watershed Based Implementation Funding program was also completed this June. The City completed a street reconstruction project that provided residents the opportunity to have a rain garden while the street was under construction. Five curb cut rain gardens were installed with the project. As with Elmwood Park, the gardens were constructed in

fall of 2024 and planted with native plants this spring. We will be working on new signage for these rain gardens to highlight the funding sources that made these projects possible and to connect residents with rain garden information and VLAWMO.

C. Update on June Outreach Events

June offered multiple opportunities for VLAWMO staff to connect with watershed community members. The year's first neighborhood garden tours took place on June 10th. Attendees discovered VLAWMO grant-funded projects in person. Four grant recipients welcomed 19 attendees, 2 VLAWMO staff members, and 2 volunteer coordinators to their yards to share their project process, learnings, and insight on VLAWMO's grant programs. The evening generated site visits and a list of attendees interested in future workshops.

On June 11, staff tabled at the Vadnais Heights Ice Cream Social. Many residents stopped by VLAWMO's table to try out the Blue Thumb roots display, an interactive exhibit piece that demonstrates the root length of native plants and their benefits to water quality. Many were curious about grant funding – already, follow-up discussions are underway for site visit scheduling as a result of the event.

June 17 brought VLAWMO staff's attendance at a learning event for the Ramsey County Master Gardeners (RCMG) group. Over 70 volunteers attended VLAWMO's live sessions about watershed organizations and local grant funding opportunities. The event was recorded and will be shared with the broader RCMG group, reaching an audience of 400 RCMG volunteers who can point members of the public to VLAWMO in the future for grant funding, volunteering, and a deepened understanding of our water resources and stewardship practices that support them.

Attachment: Update on June Outreach Events – PowerPoint slides

D. SPRWS Wellhead Protection Plan Story Map

The St. Paul Regional Water Service (SPRWS) currently uses the Mississippi River as its primary source water. As a secondary source of drinking water SPRWS operates ten groundwater wells. Those wells are available for pumping in an emergency where the surface water supply is not available. In order to protect the groundwater supply from contamination, SPRWS has developed a wellhead protection (WHP) plan. The SPRWS created a Story Map for the public on the WHP plan. Also in the packet is a brochure put together by SPRWS summarizing the background and purpose of the WHP plan along with collaboration resources and next steps.

Attachments:

- SPRWS Wellhead Protection Plan Collaboration Resource
- SPRWS Wellhead Protection Plan Story Map - link:
<https://storymaps.arcgis.com/stories/13375b414ffb47ed902938efc25049a1>

VI. Projects

A. WMP 60-day Review update

The 60-day formal review comment period was noticed on June 26, 2025, and will run through August 25, 2025. VLAWMO staff look forward to receiving comments and responding to review authorities.

B. 319 Update: Remaining Scope for Phase 1 Status

The Board authorized remaining scope items to complete the phase 1 project/Wilkinson deep-water wetland. Staff are coordinating remaining items at this time. NST completed remaining enhancement/planting from the 2024/2025 scope in June and are continuing with maintenance at the site. Vacker Sign is designing the educational sign, for installation at the site by NOC, with content provided by VLAWMO. RCSWCD is conducting transplant sessions to support submerged plant establishment in the wetland. RCSWCD will conduct a survey of submerged plant establishment at the end of the growing season.

C. Rotary Nature Preserve Restoration Contract and Task Order 1 update

The Board authorized and signed the contract for the project and task order 1 at the June Board meeting. NST is now authorized to conduct work included in task order 1. VLAWMO staff gave an invited presentation to the Rotary about the project on June 18. The presentation was well received. The Rotary is a long-time partner at the site, working with the City of WBL and VLAWMO. The restoration area will be a stop on the VLAWMO Board tour in August.

D. Tamarack Alum Phase 3 update

The Board authorized and signed the amendment for phase 3 of the project and the engineering oversight, monitoring, and inspection scope for phases 3 and 4 at the June Board meeting. Lake Restoration, Inc. (LRI) is planning to complete phase 3 beginning in mid-October. This tentative, general timeframe has been shared with project partners.



Soil Health Grant Application

Submit completed application to:

Lauren Sampedro

lauren.sampedro@vlawmo.org

Applicant Information:

Name:	Ceci and Ed Shapland
Address:	470 Vadnais Lake Drive
City/Township, State, Zip:	Vadnais Heights, MN 55127
Phone:	612-816-7721 (Ceci)
Email:	cecishapland@gmail.com



Project Summary:

ESTIMATED TOTAL PROJECT COST (\$)	\$5,790.75 Plants only: \$2,496.00
AMOUNT REQUESTED (\$1,000 MAX or \$1,250 in Priority Area)	\$1000
EXPECTED PROJECT COMPLETION (Month, Year)	Late July-early August, 2025

PROJECT TYPE:

- ☐ Downspout/Small
Raingarden
- ☒ Native Restoration/
Pollinator Garden
- ☒ Turfgrass
Replacement
- ☐ Other

If other, please describe
the proposed project: _____

Project Background:

Describe your property. What is the purpose of your project?	The purpose is to remove more turf and plant native flowering shade plants and to hold soil in an area of runoff that goes into a wet land area in Ramsey County that drains into Vadnais Lake.
Does your property connect to a lake, stream, ditch, or wetland in VLAWMO?	Yes, it connects via a wetland that drains into Vadnais Lake.

Project Background: Continued

Describe how your project will support the goals of the Soil Health Grant Program. (See grant policy)	This project addresses several goals of the Soil Health Grant. It removes turf from a traditional turf lawn area and replaces it with pollinator friendly, native shade plants and it provides erosion control by stabilizing soil in a downhill drainage area.
Briefly describe the planned installation and maintenance activities for your project.	A professional landscaper, Green Space, will take up turf, put down compost and plant the native plants. We will mulch the area, provide water as necessary to establish the new plants and provide general maintenance. We already have another shade garden for at least 5 years and so are familiar with the care and maintenance of a native shade garden.

Project Specifications:

TOTAL PROPERTY AREA (Acres)	12,600 sq.ft. or .289 acre
Total PROJECT SIZE (SQ FT)	568 sq. ft
IF APPLICABLE: DEPTH OF RAINGARDEN BASIN (Inches)	N/A



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 1 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 Celia Shapland Ed Shapland Date 6/26/25

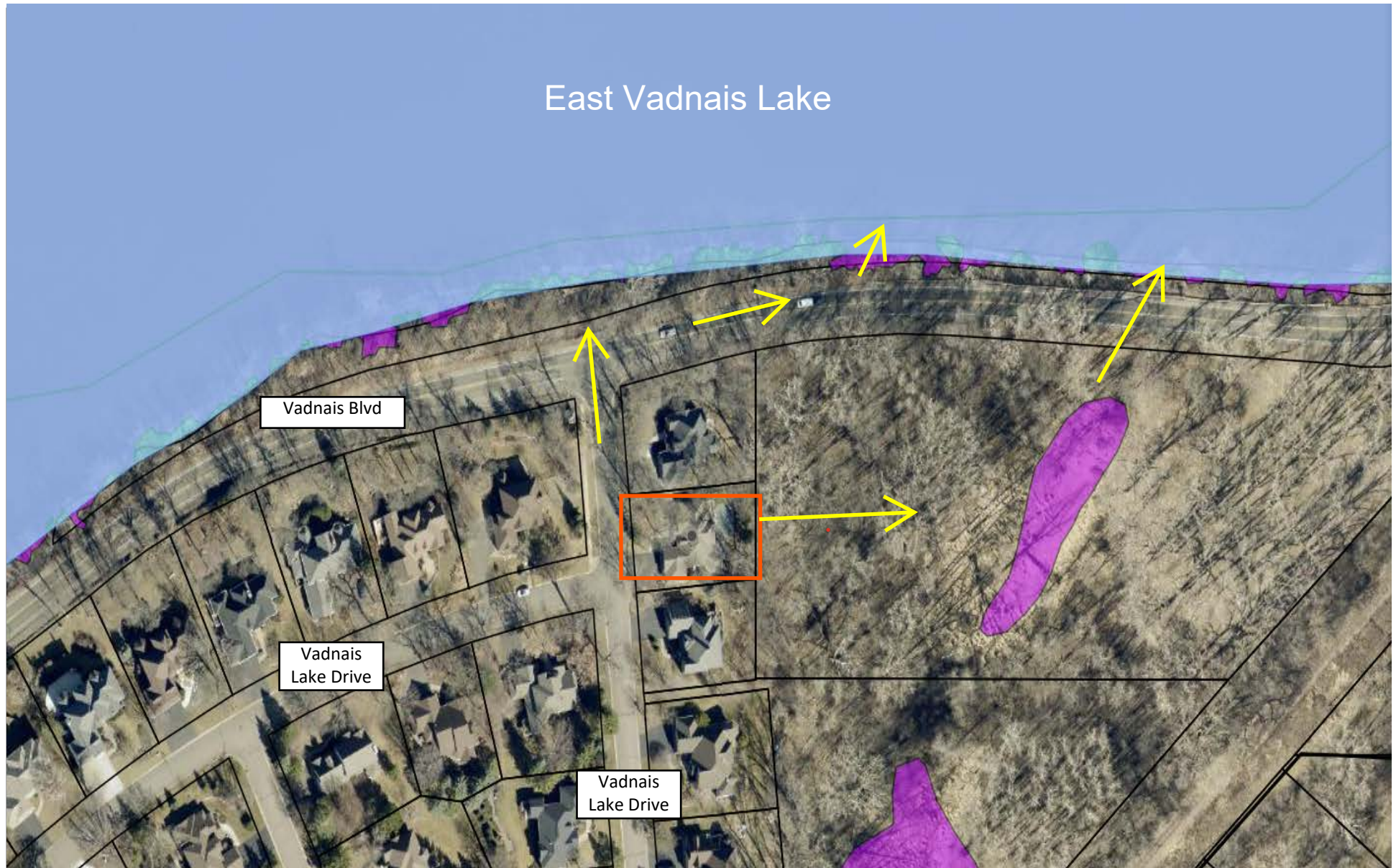
Print Celia Shapland Ed Shapland

VLAWMO Staff

Signature _____ Date _____


Print _____

SHG 2025-10 Shapland Turfgrass Replacement Application



 Ramsey County Parcels

 Project Location

 Flow Arrows

 Wetland

1:1,128
0 0.01 0.01 0.02 mi
0 0.01 0.02 0.04 km

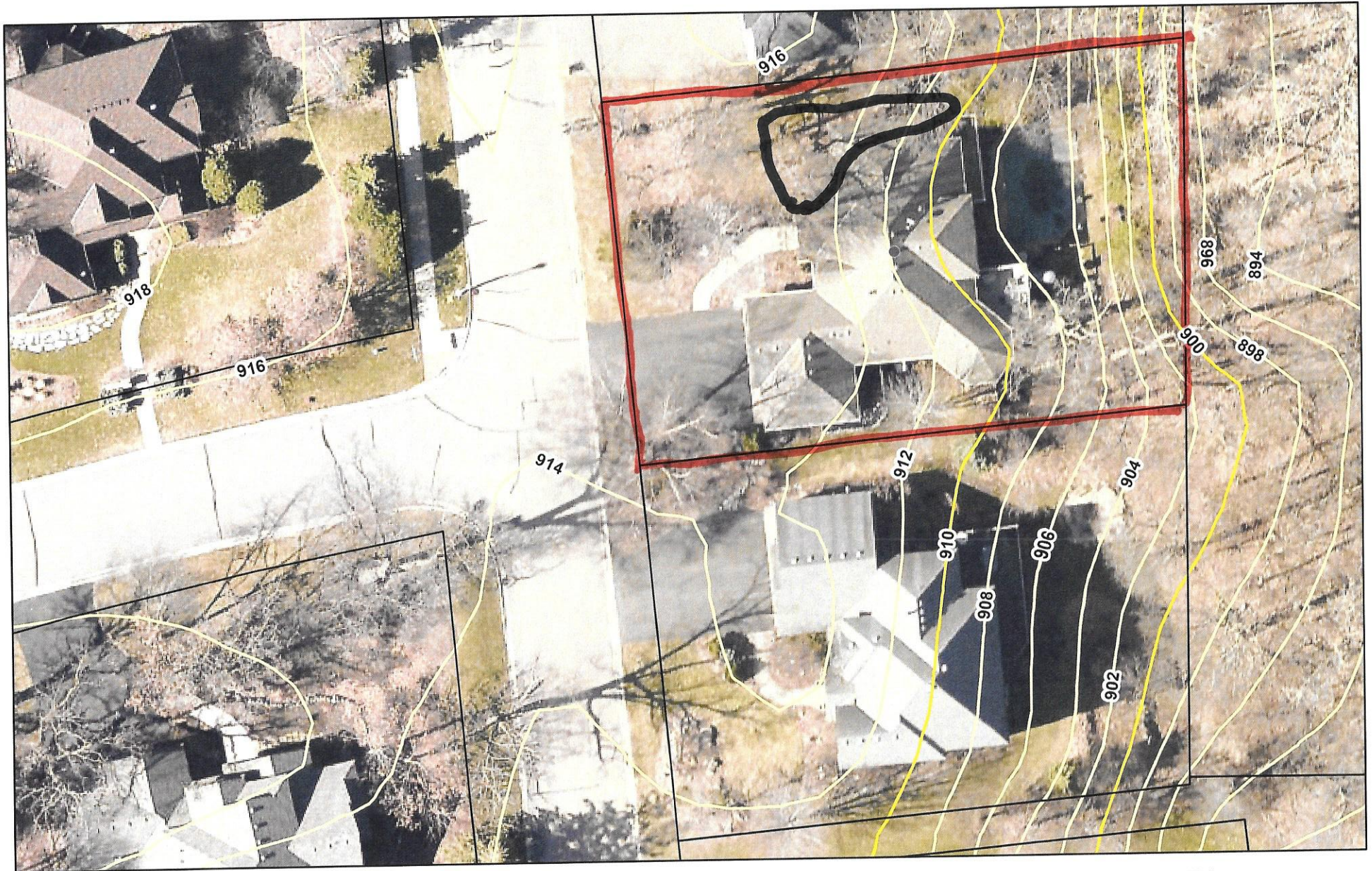
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, County of Ramsey, Esri, HERE, Garmin, GeoTechnologies, Inc.,

VLAWMO TEC - July 2025

Fig 16
ArcGIS Pro AppBuilder

County of Ramsey, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA |

470 Vadnais Lake Dr Elevation Contours



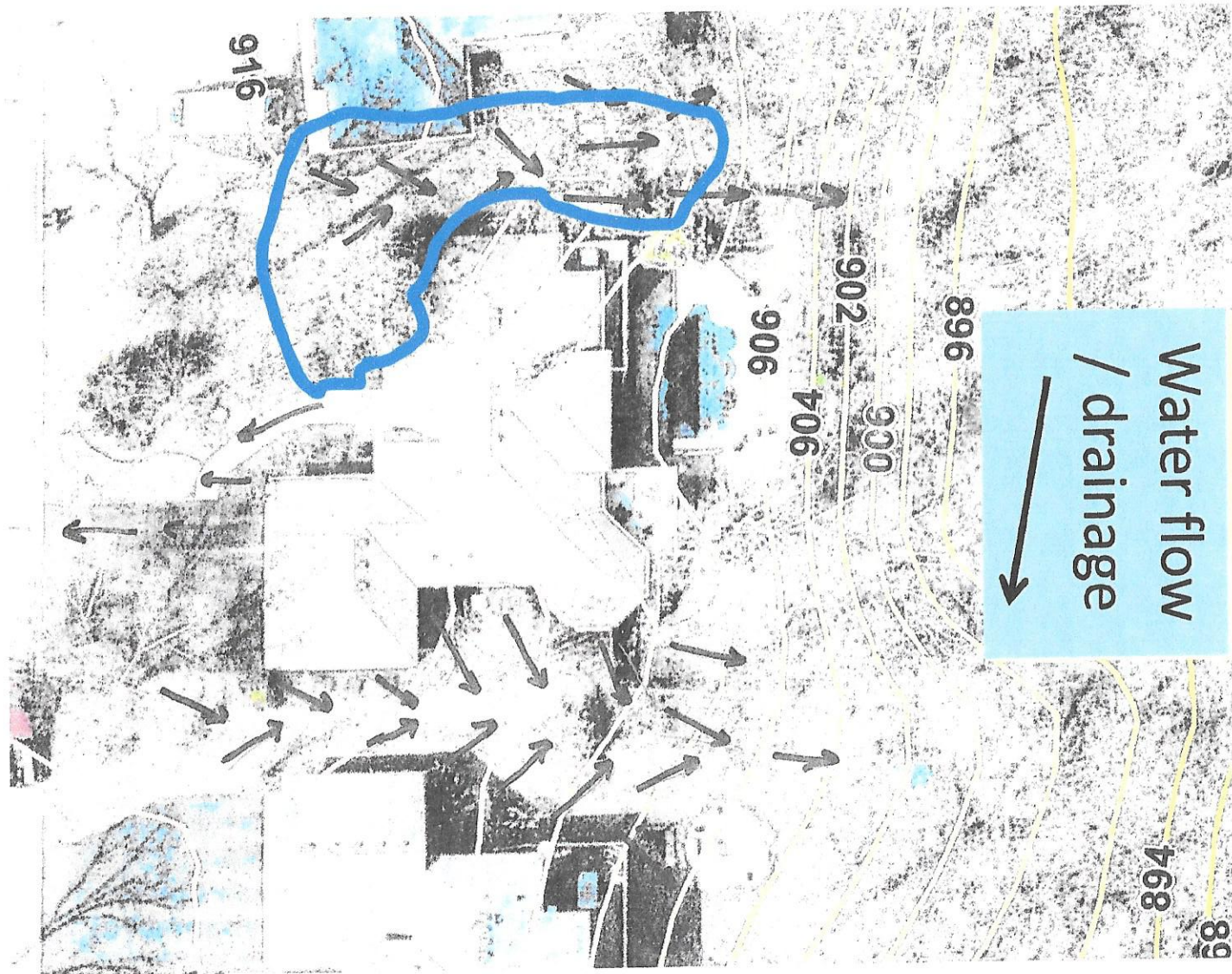
6/5/2025, 4:12:04 PM

- VLAWMO Boundary 2025
- Ramsey County Parcels
- RC 2 ft elevation contours
- 892
- 894
- 896
- 898
- 900
- 902
- 904
- 906
- 908
- 910
- 912
- 914
- 916
- 918
- 2022 RC aerial
- Red: Band_1
- Green: Band_2
- Blue: Band_3

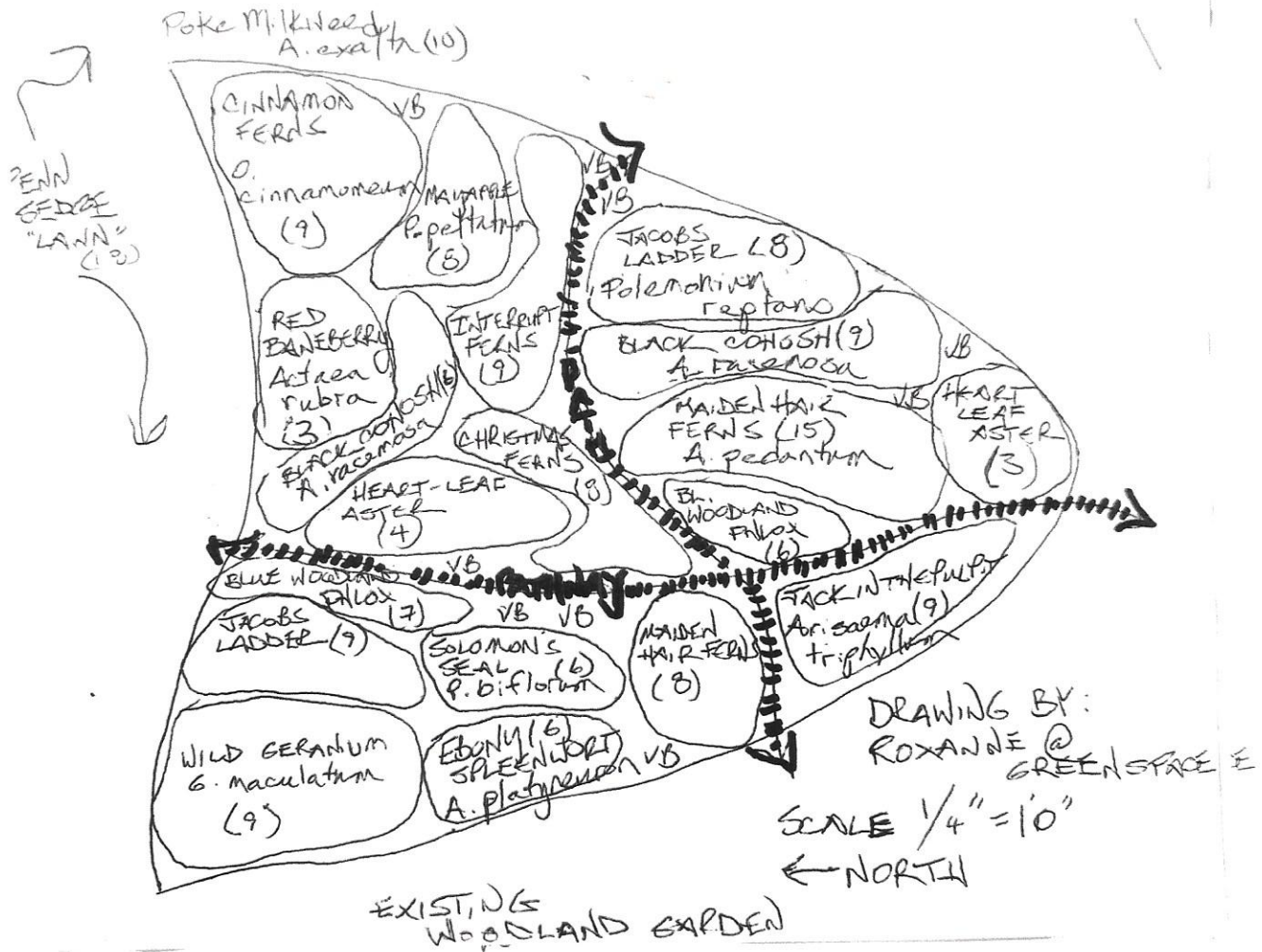
VLAWMO TEC - July 2025



470 Vadnais Lake Dr



Shapland proposal



Shapland Ceci & Ed REVISED
#4 Landscape Proposal...

271 KB



2025 Plant Warranty.docx

16 KB

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: June 25, 2025

Revision #4

REVISED Proposal for:

Ceci & Ed Shapland
470 Vadnais Lake Drive
Vadnais Heights, MN 55127-7143

Work address: Same
Cell Ph. 612-816-7721
Sales tax rate: 8.375%

FRONT YARD Landscape Proposed:

Site Preparation

Cut, remove and dispose of sod in 568 sq ft area \$ 615.00

Compost

Install 1.75 cubic yards of compost in new garden area \$ 253.00

Plantings for New Front Garden. (NOTE: if smaller sizes can be sourced then the cost per plant will go down)

<u>Qty</u>	<u>Name of Plant</u>	<u>Size</u>	<u>Cost Each</u>	<u>Total of Each</u>
10	Poke Milkweed (A. exalta)	4" cont	\$ 9.00	\$ 90.00
9	Cinnamon Ferns (O. cinnamomeum)	1 gal	\$ 19.00	\$ 171.00
8	Mayapple (P. peltatum)	1 gal	\$ 16.00	\$ 128.00
9	Interrupted Ferns (O. claytoniana)	1 gal	\$ 16.00	\$ 144.00
3	Red Baneberry (Actaea rubra)	1 gal	\$ 16.00	\$ 48.00
15	Black Cohosh (A. racemosa)	1 gal	\$ 16.00	\$ 240.00
7	Heart Leaved Aster (Aster cordifolius)	4" cont	\$ 9.00	\$ 63.00
8	Christmas Ferns (P. acrostichoides)	1 gal	\$ 16.00	\$ 128.00
17	Jacob's Ladder (Polemonium reptans)	4" cont	\$ 9.00	\$ 153.00
23	Maiden Hair Ferns (A. pedantum)	1gal	\$ 19.00	\$ 437.00
13	Blue Woodland Phlox (P. divaricata)	1 gal	\$ 16.00	\$ 208.00
9	Wild Geranium (G. maculatum)	1 gal	\$ 15.00	\$ 135.00
6	Solomons Seal (Polygonatum biflorum)	1 gal	\$ 16.00	\$ 96.00
6	Ebony Spleenwort (A. platyneuron)	1 gal	\$ 16.00	\$ 96.00
9	Jack in the Pulpit (A. triphyllum)	1 gal	\$ 15.00	\$ 135.00
9	Virginia Bluebells (Mertensia virginica)	1 gal	\$ 15.00	\$ 135.00
1	Pennsylvania Sedges	18/tray	\$ 89.00	\$ 89.00

Subtotal for Plants	\$	2,496.00	
Delivery of Plants (assuming two sources)	\$	345.00	
Sales tax on plants and delivery	\$	237.93	
Labor to install Plants	\$	1,395.00	
Total Cost of Plants as Outlined in this Proposal			\$ 4,473.93

Deliveries

One Delivery of Compost	\$	165.00
Sales tax on deliveries	\$	13.82

Project Management

Re-design of woodland garden	\$	270.00
Designer to manage the project as needed at rate of \$180 per hour. Approx. 2-3 hrs		T&M

Total for Landscape Installation **\$ 5,790.75**
plus T&M

Client Signature: _____ Date: 6/26/25

Designer Signature: Roxanne T. Stuhr Date: June 25, 2025

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

Green Space, LLC TERMS & CONDITIONS:

Payment:

A signed contract and 50% downpayment are required before scheduling the project. Customer will receive a final invoice after project completion. Payment is expected within ten (10) days of receipt. A service charge of 2% per month will be issued on payments not received within thirty (30) days of the invoice date. All quoted prices are subject to applicable state and local sales taxes.

Any variation from the specifications will change the price and be communicated by a change order. Estimates are good for 30 days. Estimates are subject to a 10% over/under run, based upon unexpected cost changes.

Scope of the Work

The contractor shall furnish all of the material and perform all of the work for the implementation of the design or project as shown on the drawings and/or described in the specifications prepared by **Green Space - True Nature Design, LLC** representative, all in accordance with the Contract herein and attachments.

Time of Completion

The project will be completed as soon as possible, giving allowances for weather or circumstances beyond the Contractor's control.

V. A. Shapland Turfgrass Replacement

SHG 2025-10 Grant Application

Lauren Sampedro
TEC Meeting
7/9/2025



SHG 2025-010–Location Aerial



V. C. Update on June Outreach Activities

Angela Hugunin
July TEC Meeting
7/9/2025



Neighborhood Garden Tours



- Four homeowners featured
- Multiple project types, including rain gardens, turf alternatives, native plantings, and wetland buffers



Attendees gather at the final tour stop to learn about Sharon Lorraine's projects.

Vadnais Lake Area Water Management Organization

Tour Stops



Karen Suzukamo



Gina Schmidt



Katherine Doll Kanne

Vadnais Lake Area Water Management Organization

VH Ice Cream Social



Attendees stopped by the VLAWMO table for interactive displays about native plants and storm drains. Many had questions about grant funding opportunities.

Vadnais Lake Area Water Management Organization

Ramsey County Master Gardeners



RCMG volunteers gather before visiting presenter stations.

Vadnais Lake Area Water Management Organization

Wellhead Protection Plan Collaboration Resource

Saint Paul Regional Water Services

Background and Purpose

Saint Paul Regional Water Services (SPRWS) currently uses the Mississippi River as its primary source water. As a secondary source of drinking water, SPRWS operates ten groundwater wells. Those wells are available for pumping in an emergency where the surface water supply is not available. In order to protect the groundwater supply from contamination, SPRWS has developed a wellhead protection (WHP) plan. This plan concerns a geographic area called the Wellhead Protection Area (WHPA), or where the groundwater supplying the wells is coming from. A subsection of the WHPA is denoted as the Emergency Response Area (ERA), which is part of the WHPA defined by having a one-year time of travel within the groundwater aquifer and used to set priorities for managing potential contamination sources. The WHPA and ERA are encompassed by the Drinking Water Supply Management Area (DWSMA), which utilizes geographic landmarks such as roads and property lines to be identifiable to the general public. The DWSMA is what is to be protected and managed by the WHP plan. The DWSMA, WHPA, and ERA are depicted **Figure 1** below.

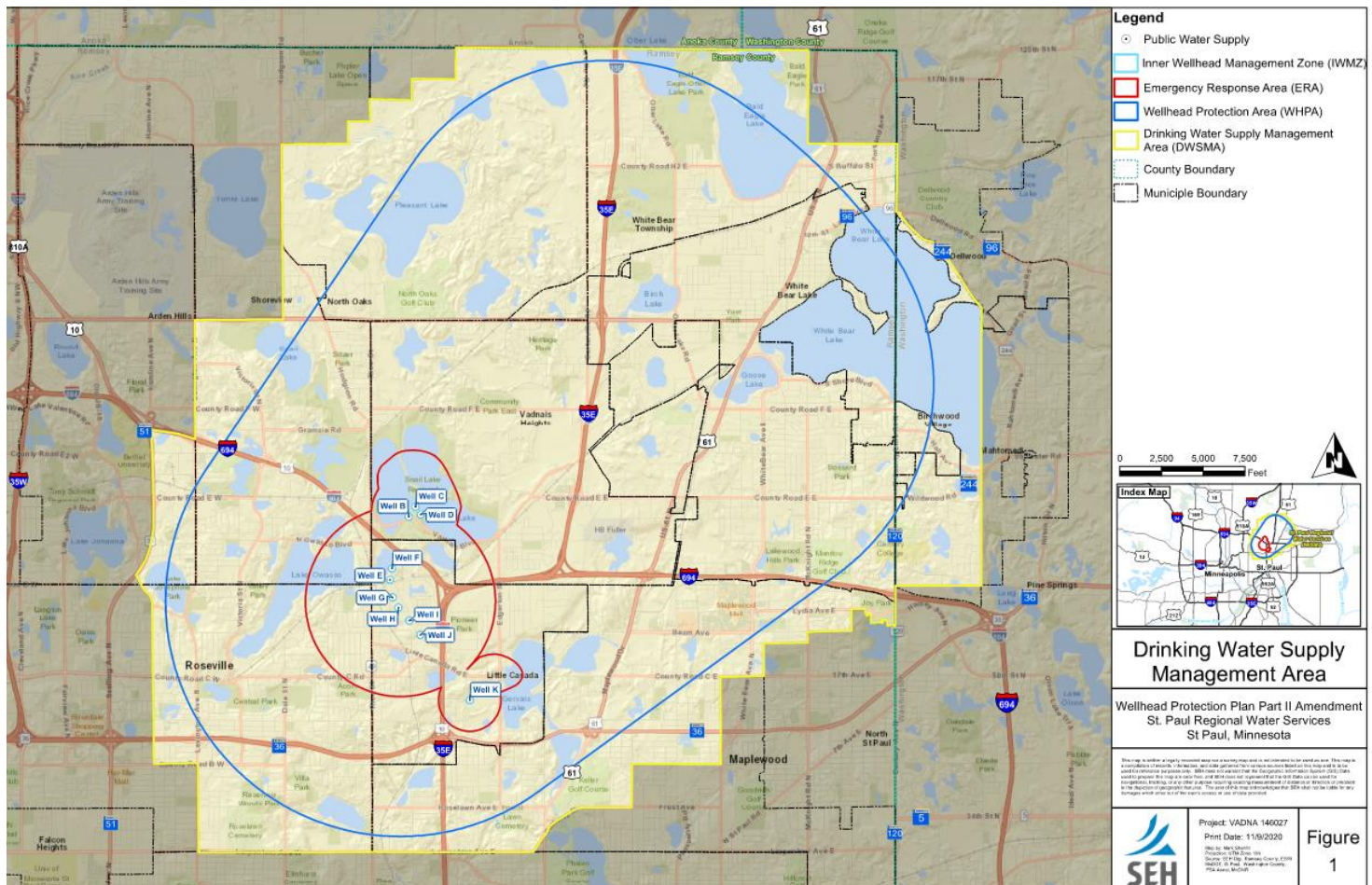


Figure 1. WHPA (Blue), ERA (Red), DWSMA (Yellow) Boundaries

There are many different potential sources of groundwater contamination that need to be managed in the DWSMA. As required by the WHP plan, these sources were documented in a Potential Contaminant Source Inventory (PCSI). A summary of the PCSI is provided below:

Table 1. Summary of PCSI

Potential Contaminant Source Type	Number of Sites Within DWSMA	Assigned Risk
Wells	2,163	High
Large Capacity Cesspool	4	High
Motor Vehicle Waste Disposal Well	1	High
Class V Well	1	High
Dump	7	Moderate
Potential Contamination Site (Brownfield, Superfund, etc.)	135	Moderate
Aboveground Storage Tanks	71	Moderate
Underground Storage Tanks	233	Moderate
Leaking Underground Storage Tanks	204	Moderate
Hazardous Waste Generate	183	Moderate
Spill (MPCA and MDA)	459	Moderate
Solid Waste Management Site	8	Moderate
Storage and Preparation Area	2	Moderate
Wastewater Disposal Site	87	Moderate
Pipe Crossing Over Water	1	Moderate
Road Crossing Over Water	2	Moderate
Stormwater Outlet	3	Moderate
Stormwater Basin	4	Moderate

Though the Board of Water Commissioners of the City of Saint Paul (BWC) holds fee title to the real property on which the wells are located, the BWC does not have jurisdiction to control land use and other activities enjoyed by charter cities, counties, or regulatory agencies. **As such, collaboration with local government units (LGUs) residing in the DWSMA is critical for the management of potential contamination sources and the protection of our shared groundwater resources.** The purpose of this document is to start a dialogue between LGUs and SPRWS for the successful implementation of the WHP plan. Actions your community can take to initiate collaboration are described in the following section.

Collaboration

Share Educational Materials and Wellhead Protection Principles with Your Community

Your community members can do their part to protect the groundwater supply. Please consider sharing these resources with your community:

Drinking Water Safety for Home/Cabin Wells

- [Well Owners Handbook](#)
- [Minnesota Well Index](#)
- [Well Disinfection Guidelines](#)
- [Wellhead Guide for Residents \(Anoka County\)](#)
- [Disinfecting Flooded Private Water Wells](#)
- [MDH Resources for Sealing Unused Wells](#)

Septic Systems

- [Healthy Septic Systems](#)
- [Septic System Owners Information](#)

Water Conservation and Environmental Stewardship

- [Water Conservation Toolbox \(Metropolitan Council\)](#)
- [Water Stewardship at Home \(Vadnais Lake Area Water Management Organization\)](#)
- [What You Can Do \(Ramsey-Washington Metro Watershed District\)](#)
- [Minnesota Key Water Information Catalogue](#)

Groundwater

- [Groundwater Digest](#)
- [Groundwater Quality \(MPCA\)](#)
- [Groundwater Restoration and Protection Strategies](#)

Aboveground and Underground Storage Tanks

- [Underground Storage Tanks: Are You Doing the Big Six?](#)
- [What Tank Owners Need to Know About the Underground Storage Tank Rules](#)
- [MPCA Resources for Aboveground Storage Tanks](#)

In addition, SPRWS has a brief write-up about the WHP plan posted to our website. Please consider sharing this link with your community:

<https://www.stpaul.gov/departments/saint-paul-regional-water-services/about-your-water/source-water-protection>

Integrate Wellhead Protection Principles into Local Planning Efforts

SPRWS can provide updated GIS data files of our well locations, DWSMA, WHPA, and other key components of the WHP plan for reference during your community's local planning, reviews, and permitting. We ask that you please contact us if:

- A permit under review concerns development near one of the SPRWS wells or within the ERA. Some examples of development include:
 - Private wells
 - Tanks (aboveground or underground)
 - Hazardous waste generating facilities.
 - Stormwater utilities

- A new potential groundwater contaminant source is identified.
- Local planning results in land use changes that may impact the groundwater aquifer

Next Steps

Please contact the following SPRWS staff members to receive GIS files concerning the WHP plan for local planning reference:

- Tim Bagstad, Wellhead Protection Plan Manager, P.E.
 - Email: tim.bagstad@ci.stpaul.mn.us
 - Phone: 651-266-6283
- Eric Noe, Civil Engineer II, E.I.T.
 - Email: eric.noe@ci.stpaul.mn.us
 - Phone: 651-279-0802
- Richard Hibbard, Engineering Division Manager
 - Email: richard.hibbard@ci.stpaul.mn.us
 - Phone: 651-503-3732

The WHP plan in its entirety can also be shared upon request. In addition, if your community already has wellhead protection measures in place or a formal WHP plan, please contact SPRWS to further discuss collaboration efforts.