



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, August 17, 2022

Agenda Item

Item 4. E. - Accept report from 2021 Cost Share Application – Sarazine, 11451 Landing Road, Eden Prairie and authorize reimbursement

Prepared By

Linda Loomis, Administrator

Summary

In April 2021, the Board of Managers approved a cost share application from the resident at 11451 Landing Road in Eden Prairie. The project submitted proposed to manage stormwater and restore habitat by removing invasive garlic mustard and buckthorn. The original date for completion was November 1, 2021. The contractor had supply issues obtaining live stakes to plant in areas cleared of buckthorn, so the applicant requested an extension to July 31, 2022. LMRWD staff allowed the extension.

The project is now complete. The applicant has submitted a final report, with receipts and photos. On July 15th, I visited the site. It looks much different than what it looked like when I visited the site before the project. The understory of buckthorn has been cleared and native forbs such as red twig dogwoods have been planted the area has been seeded with a native shade seed mix. This was the first summer after seeding. I plan to visit again next summer to see how the seed has taken. Reimbursement is recommended.

The resident has another area that she is interested in habitat restoration, upland of the house, is an area that is open and steep. It may be a good site to establish a tall grass prairie.

Attachments

Report from 11451 Landing Road 2021 Cost Share

Excerpt from April 2021 LMRWD Board of Managers meeting minutes approving Cost Share application

Cost Share Agreement between Delina Sarazine and the LMRWD

April 2021 Agenda Item 5. B. - Authorize 2021 Cost Share Project for 11451 Landing Road, Eden Prairie

Recommended Action

Motion to accept the final report for 2021 Cost Share Application – Sarazine, 11451 Landing Road, Eden Prairie and authorize reimbursement



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Lower Minnesota River Watershed District

112 East Fifth Street, Suite #102

Chaska, MN 55318

(763) 545-4659

lowermnriverwd.org

Cost Share Final Report

Overview

The Final Report documents the entire grant period and must be within 30 days of project completion. The report should be no longer than six pages. Upon staff approval of the report, you will receive the final reimbursement for your grant. Please note, checks are only issued once per month by the District.

Email your report to Linda Loomis, District Administrator, at naiadconsulting@gmail.com. Contact Linda with questions at 763-545-4659 or by email.

Cost Share Grant Final Report

Project title:

Year grant was awarded:

Project location:

Project manager's name:

Project manager's contact information:

Time period addressed in the final report:

How much is the reimbursement request?

Who should the reimbursement check be made out to?

Where should reimbursement check be mailed?

1. Summary of Major Activities

Provide a short overview of Cost Share activities. Include dates and time periods during which activities were completed and who was involved.

2. Project Goals

Describe how the project addressed one or more of the goals of the Cost Share Program:

- Improve water quality or increase the capacity of the watershed to store water
- Preserve, protect, and restore native plant and wildlife habitats
- Protect and preserve groundwater quality and quantity

3. Educational Value

Describe how the project provided education value regarding the project's environmental benefits. What education and outreach was done about the project and what were the impacts? How were the results of the project shared and with whom?

4. Project Outcomes

- Describe the outcomes of the project.
- Describe what makes you most proud about the project.

5. Project Challenges

- Describe any changes that had to be made to original plans due to site conditions, regulatory processes, etc. and any challenges with implementing the project.
- Indicate any ways in which Nine Mile Creek staff could have better assisted you in addressing the challenges.

6. Project Longevity

- What will the long-term impact of the project be?
- Describe any follow-up projects that will occur because of the Cost Share grant.

7. Photos

- Provide at least three high resolution photos of the project. If you include the pictures in the document file, **also** email the photos as separate jpg files.
- Include a photo of each phase of the project, if applicable (before, during, after).

8. Reimbursement

- How much is the reimbursement request?

- What is the total amount of match?

Submit receipts and/or paid invoices for the reimbursement request and match documentation. Project expenditures without receipts will not be eligible for reimbursement. Copies of paid checks may be asked for with reimbursement requests.

Labor Costs (Contractors, Consultants, In-Kind Labor)

| Service Provider | Task | # Hours | Rate/Hour | Requested Funds from LMRWD | Matching/In-Kind Funds | Total |
|------------------------|---|---------|-----------|----------------------------|------------------------|-------------|
| Ed's Buckthorn Control | Invoice #184 - weed removal | | | \$ 310.00 | \$ 66.34 | \$ 376.34 |
| Ed's Buckthorn Control | Invoice #231 - buckthorn control | | | \$ - | \$ 2,258.03 | \$ 2,258.03 |
| Ed's Buckthorn Control | Invoice #260 - planting shrubs & trees | | | \$ 550.00 | \$ 550.00 | \$ 1,100.00 |
| Ed's Buckthorn Control | Invoice #379 - Buckthorn maintenance | | | \$ - | \$ 374.39 | \$ 374.39 |
| Ed's Buckthorn Control | Invoice #408 - Seed mix planting | | | \$ 510.00 | \$ - | \$ 510.00 |
| Ed's Buckthorn Control | Invoice #428 - Labor for seeding | | | \$ 500.00 | \$ - | \$ 500.00 |
| Ed's Buckthorn Control | Invoice #445 - weed control | | | | \$ 417.73 | \$ 417.73 |
| Ed's Buckthorn Control | Invoice #537 - plant plugs, labor & mulch | | | \$ 630.00 | | \$ 630.00 |
| Total: | | | | \$ 2,500.00 | \$ 3,666.49 | \$ 6,166.49 |

Project Materials

| Material description | Unit Cost | Total # of Units | Requested funds from LMRWD | Matching/In-Kind Funds | Total |
|----------------------|-----------|------------------|----------------------------|------------------------|-------|
| | | | | | \$ - |
| | | | | | \$ - |
| | | | | | \$ - |
| | | | | | \$ - |
| | | | | | \$ - |
| | | | | | |
| | | | | | |
| | | | | | |
| Total: | | | \$ - | \$ - | \$ - |

| | |
|------------------------------------|-----------------|
| Total Requested Funds from LMRWD*: | \$ 2,500.00 (A) |
| Total Matchin/In-Kind Funds: | \$ 3,666.49 (B) |
| Project Total: | \$ 6,166.49 (C) |

*Please note: total requested funds (A) cannot be more than 50% of the Project Total (C)



14702 Excelsior Boulevard | #1245 | Minnetonka, Minnesota 55345
 6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

Invoice #184

| | |
|--------|--------------|
| Issued | May 06, 2021 |
| Due | May 21, 2021 |
| Paid | May 06, 2021 |

Total \$376.34

| | |
|-----------------|--------|
| Account Balance | \$0.00 |
|-----------------|--------|

For Services Rendered

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|---------------------|---|------|------------|----------|
| May 06, 2021 | | | | |
| Spot Spray Weeds | Spring 2021: Spot spray for garlic mustard, motherwort, burdock, and other invasive/pesky weeds. Backpack sprayer with wand for precise application. Wetland-approved herbicide included. Workers are experts at identifying our target species and licensed herbicide applicators. | 1 | \$350.00 | \$350.00 |

| | |
|------------------------------------|-----------------|
| Subtotal | \$350.00 |
| Minnesota, 80004 District (0.5%) | \$1.75 |
| Minnesota, Hennepin County (0.15%) | \$0.53 |
| Minnesota State (6.875%) | \$24.06 |
| Total | \$376.34 |
| Paid | - \$376.34 |
| Invoice balance | \$0.00 |



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6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

PAID

Thank you for your business. Please contact us with any questions regarding this invoice.

Ed's Buckthorn Control, LLC 82-3448968

Account balance

\$0.00



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 6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

Invoice #231

| | |
|--------|--------------|
| Issued | Jun 23, 2021 |
| Due | Jul 08, 2021 |
| Paid | Jun 29, 2021 |

Total \$2,258.03

Account Balance \$0.00

For Services Rendered

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|---------------------|---|------|------------|------------|
| Jun 22, 2021 | | | | |
| Buckthorn Control | Spring 2021: Cut and stump treat buckthorn greater than 3 feet tall. Use some to stabilize slopes. Haul rest of brush to curb for removal. | 1 | \$1,600.00 | \$1,600.00 |
| Brush Removal | Spring 2021: Haul away brush for responsible disposal, usually either burned by the power plant for electricity or burned by a local greenhouse for heat! | 1 | \$500.00 | \$500.00 |

| | |
|------------------------------------|-------------------|
| Subtotal | \$2,100.00 |
| Minnesota, 80004 District (0.5%) | \$10.50 |
| Minnesota, Hennepin County (0.15%) | \$3.15 |
| Minnesota State (6.875%) | \$144.38 |
| Total | \$2,258.03 |
| Paid | - \$2,258.03 |
| Invoice balance | \$0.00 |



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Account balance

\$0.00



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RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

| Invoice #260 | |
|-----------------|-----------------|
| Issued | Jul 29, 2021 |
| Due | Aug 13, 2021 |
| Paid | Jul 29, 2021 |
| Total | \$550.00 |
| Account Balance | \$0.00 |

For Services Rendered

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|--|--|------|------------|-----------|
| Jul 16, 2021 | | | | |
| Planting Shrubs/Trees | Spring/Fall 2021: Labor cost for design, species selection, layout, installation, guarding, labeling, and watering. Price is calculated for 11 trees/shrubs that were planted. | 1 | \$275.00 | \$275.00* |
| Shrubs/Trees #2 Pot Pot Size. Priced per 20. | Spring/Fall 2021: Native flowering shrubs/trees, #2 pot size. Price is calculated for 11 trees/shrubs that were planted. | 1 | \$275.00 | \$275.00* |

| | |
|------------------------------------|-----------------|
| Subtotal | \$550.00 |
| Minnesota, 80004 District (0.5%) | \$0.00 |
| Minnesota, Hennepin County (0.15%) | \$0.00 |
| Minnesota State (6.875%) | \$0.00 |
| Total | \$550.00 |
| Paid | - \$550.00 |
| Invoice balance | \$0.00 |



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| | |
|-----------------|---------------|
| Account balance | \$0.00 |
|-----------------|---------------|

* Non-taxable

Thank you for your business. Please contact us with any questions regarding this invoice.

Ed's Buckthorn Control, LLC 82-3448968



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RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

| Invoice #379 | |
|---------------------|-----------------|
| Issued | Dec 15, 2021 |
| Due | Dec 30, 2021 |
| Paid | Dec 31, 2021 |
| Total | \$374.39 |
| Account Balance | \$0.00 |

Invoice for our services

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|--|---|------|------------|----------|
| Nov 04, 2021 | | | | |
| Buckthorn Maintenance - Foliar Herbicide Application | Late Fall 2021: Once native plants are dormant, apply herbicide to control smallest buckthorn, and garlic mustard, along with other noxious invasive plants that are still susceptible to herbicide this time of year. Backpack sprayer with wand for precise application. Wetland-approved herbicide included. Workers are experts at identifying our target species and licensed herbicide applicators. | 1 | \$348.19 | \$348.19 |

| | |
|------------------------------------|-----------------|
| Subtotal | \$348.19 |
| Minnesota, 80004 District (0.5%) | \$1.74 |
| Minnesota, Hennepin County (0.15%) | \$0.52 |
| Minnesota State (6.875%) | \$23.94 |
| Total | \$374.39 |
| Paid | - \$374.39 |
| Invoice balance | \$0.00 |



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| | |
|-----------------|---------------|
| Account balance | \$0.00 |
|-----------------|---------------|

Hi Delina,

This work was completed back in early November, but the invoice got lost in our software so it didn't get sent out until now. Apologies for the delay.

Happy Holidays,

Ben
Ed's Buckthorn Control

Thank you for your business. Please contact us with any questions regarding this invoice.

Ed's Buckthorn Control, LLC 82-3448968



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RECIPIENT:

Delina Sarazine

11451 Landing Road
Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
Eden Prairie, Minnesota 55347

Invoice #408

| | |
|--------|--------------|
| Issued | Jan 12, 2022 |
| Due | Jan 27, 2022 |
| Paid | Jan 20, 2022 |

Total \$510.00

| | |
|-----------------|--------|
| Account Balance | \$0.00 |
|-----------------|--------|

Invoice for our services

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|------------------------------|---|------|------------|-----------|
| Seed - Native Pollinator Mix | Winter 2022: Native pollinator-friendly wildflower seed mix with grasses. near the hot tub and screened porch. Local genotype for best possible outcome. Price per 150 square feet. | 1 | \$50.00 | \$50.00* |
| Seed - Woodland Mix | Winter 2022: Shady woodland native plant mix - about 20 wildflowers, plus grasses and sedges. price per 5,000 square feet. | 1 | \$460.00 | \$460.00* |

| | |
|------------------------------------|-----------------|
| Subtotal | \$510.00 |
| Minnesota, 80004 District (0.5%) | \$0.00 |
| Minnesota, Hennepin County (0.15%) | \$0.00 |
| Minnesota State (6.875%) | \$0.00 |
| Total | \$510.00 |
| Paid | - \$510.00 |
| Invoice balance | \$0.00 |



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Account balance **\$0.00**

* Non-taxable

Happy New Year!

It's a new year, and that means new beginnings - such as seeding!
(paragraph deleted due to character limit. see customer communications if you need to read the original message)

We are currently collecting deposits for seed that we are going to sow this winter. Attached to this email is your quote that includes a seed material line item; we are only invoicing for the seed material right now, because we need to pay for it when we order. We will send another invoice for labor and design once the seeding work is completed. Once seed orders are placed, we will be in touch regarding scheduling. We plan to seed when the conditions are just right, so it will likely happen on short notice.

Looking forward to seeing what comes up in the seasons to come!

(paragraph deleted due to character limit. see customer communications if you



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Notes Continued...

need to read the original message)

Thank you for your business. Please contact us with any questions regarding this invoice.

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RECIPIENT:

Delina Sarazine

11451 Landing Road
Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
Eden Prairie, Minnesota 55347

Invoice #428

| | |
|--------|--------------|
| Issued | Mar 10, 2022 |
| Due | Mar 25, 2022 |
| Paid | Mar 31, 2022 |

Total \$500.00

| | |
|-----------------|--------|
| Account Balance | \$0.00 |
|-----------------|--------|

Invoice for our services

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|---------------------|--|------|------------|-----------|
| Mar 09, 2022 | | | | |
| Seeding Labor | Spring/Fall 2021: Labor for site prep to maximize seed to soil contact and germination, seed dispersal, and application of seed blankets. Price per ~5,000 square feet | 1 | \$500.00 | \$500.00* |

| | |
|------------------------------------|-----------------|
| Subtotal | \$500.00 |
| Minnesota, 80004 District (0.5%) | \$0.00 |
| Minnesota, Hennepin County (0.15%) | \$0.00 |
| Minnesota State (6.875%) | \$0.00 |
| Total | \$500.00 |
| Paid | – \$500.00 |
| Invoice balance | \$0.00 |



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Account balance

\$0.00

* Non-taxable

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Ed's Buckthorn Control, LLC 82-3448968



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RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

| Invoice #445 | |
|-----------------|-----------------|
| Issued | May 04, 2022 |
| Due | May 19, 2022 |
| Paid | May 19, 2022 |
| Total | \$417.73 |
| Account Balance | \$0.00 |

Invoice for our services

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|---------------------|---|------|------------|----------|
| May 03, 2022 | | | | |
| Spot Spray Weeds | Spring 2021: Spot spray for garlic mustard, motherwort, burdock, and other invasive/pesky weeds. Backpack sprayer with wand for precise application. Wetland-approved herbicide included in estimate, but separate invoice line item. Workers are experts at identifying our target species and licensed herbicide applicators. | 1 | \$375.00 | \$375.00 |
| Herbicide | \$9/gallon | 1.5 | \$9.00 | \$13.50 |

| | |
|------------------------------------|-----------------|
| Subtotal | \$388.50 |
| Minnesota, 80004 District (0.5%) | \$1.94 |
| Minnesota, Hennepin County (0.15%) | \$0.58 |
| Minnesota State (6.875%) | \$26.71 |
| Total | \$417.73 |
| Paid | - \$417.73 |
| Invoice balance | \$0.00 |



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PAID

Thank you for your business. Please contact us with any questions regarding this invoice.

Ed's Buckthorn Control, LLC 82-3448968

Account balance

\$0.00



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RECIPIENT:

Delina Sarazine

11451 Landing Road
Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
Eden Prairie, Minnesota 55347

Invoice #537

| | |
|--------|--------------|
| Issued | Jul 19, 2022 |
| Due | Aug 03, 2022 |
| Paid | Jul 20, 2022 |

Total \$630.00

| | |
|-----------------|--------|
| Account Balance | \$0.00 |
|-----------------|--------|

Invoice for our services

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT PRICE | TOTAL |
|---------------------|---|------|------------|-----------|
| Jun 29, 2022 | | | | |
| Plugs | Spring/Fall 2021: Native plant plugs - per tray of 36. Delivery included. | 6 | \$60.00 | \$360.00* |
| Plant plugs | Spring/Fall 2021: Layout and planting labor. | 1 | \$200.00 | \$200.00* |
| Mulch | 1.5 yard natural hardwood shredded mulch, delivery included. | 1 | \$70.00 | \$70.00* |

| | |
|------------------------------------|-----------------|
| Subtotal | \$630.00 |
| Minnesota, 80004 District (0.5%) | \$0.00 |
| Minnesota, Hennepin County (0.15%) | \$0.00 |
| Minnesota State (6.875%) | \$0.00 |
| Total | \$630.00 |
| Paid | - \$630.00 |
| Invoice balance | \$0.00 |



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6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

PAID

| | |
|-----------------|---------------|
| Account balance | \$0.00 |
|-----------------|---------------|

* Non-taxable

Thank you for your business. Please contact us with any questions regarding this invoice.

Ed's Buckthorn Control, LLC 82-3448968























Attorney Kolb said that Manager Mraz might be willing to be the alternate, as it is the responsibilities of the alternate would not be direct and immediate. That way she could attend and be compensated according to the Board compensation policies and it is a good opportunity to learn about watershed planning processes. It would be a great benefit if she were so willing. Manager Mraz said she might be willing to be the alternate, but just can't commit right now to attending additional meetings as she is still working full time. President Hartmann he also has an issue of finding time.

President Hartmann made a motion to appoint Manager Raby as the LMRWD representative to the Lower Minnesota One Watershed One Plan policy committee and to name an alternate at a later date. The motion was seconded by Manager Salvato. Upon a vote being taken the following voted in favor of the motion: Hartmann, Mraz, and Salvato; the following voted against: None. Manager Raby abstained

Manager Mraz asked if it would be possible to appoint an alternate in a month or two. Administrator Loomis said that the Board can appoint someone at any time. She reported that the planning grant is due in June and she was not sure how long it takes for a grant to be approved. The process will not move forward until a grant is received, so it could take a while for any meetings to be scheduled.

B. Authorize 2021 Cost Share project for 11451 Landing Road, Eden Prairie

Administrator Loomis reported that this is an application for the District's Cost Share Program by a homeowner in Eden Prairie that plans to remove invasive species from a steep slope on her property and to address erosion that has been created by roof drains from the home.

Manager Raby said there were some inconsistencies in the application. The Board discussed the inconsistencies. Administrator Loomis noted the applicant has sent a corrected application and that she [Administrator Loomis] has spoken with the contractor. Manager Salvato asked about a previous application to remove buckthorn that the Board tabled. Administrator Loomis noted the District is still working with the other applicant and that some of the concern was that that property was within a home owners association. Manager Raby believed the previous application was only for removal of the buckthorn there were no plans for replacement with species to help mitigate the flow of water. Manager Salvato said she is okay with approving the application, but just wanted to note the application that was received last year.

Manager Raby made a motion to approve the 2021 Cost Share application for 11452 Landing Road. The motion was seconded by Manager Mraz. Upon a vote being taken the following voted in favor of the motion: Hartmann, Mraz, Raby and Salvato; the following voted against: None.

C. Hennepin County Mailing

Administrator Loomis said that the Board directed that a mailing be sent to LMRWD residents living in Hennepin County. She was able to get a list of addresses from Hennepin County and there are more than 7500 individual addresses. She wanted to bring the costs back to the Board for approval, since this mailing will be more costly than the Dakota County mailing.

Manager Raby said he didn't understand why the sizes of the postcard were different in the two proposals. Administrator Loomis said the difference in sizes was just included as options and the one from MPX was based on the Dakota County mailing. Manager Raby said that he supports moving forward with the mailing since the District has money for it in the budget. Manager Salvato agreed. Manager Mraz thought it was good advertising for the District and made people aware of the existence of the District.

LOWER MINNESOTA RIVER WATERSHED DISTRICT
COST SHARE INCENTIVE AND WATER QUALITY
RESTORATION PROGRAM

Cost Share Grant Agreement

The parties to this Agreement, made this 24th day of May, 2021 are the Lower Minnesota River Watershed District, a Minnesota Watershed District ("LMRWD") a public body with purposes and powers set forth in Minnesota Statutes Chapters 103B and 103D and Delina Sarazine ("APPLICANT"). The purpose of this Agreement is to provide for the installation and maintenance of a project designed to protect and improve natural resources within the District. by managing storm water and said project to be located at: 11451 Landing Road, Eden Prairie, MN 55437.

1. Scope of Work. APPLICANT will install the Project in accordance with the Application submitted to the LMRWD, attached as Exhibit A. A written final report must be presented to the LMRWD at the time a request is made for reimbursement of expenses as specified in Section 2 of this Agreement.
2. Reimbursement. When the installation of the project is complete in accordance with Exhibit A, the LMRWD, on receipt of adequate documentation, will reimburse the APPLICANT 50% of the project cost: including materials, equipment rental, delivery and labor, in an amount not to exceed \$2,500. APPLICANT will document all costs with receipts for all direct expenditures. At the time reimbursement is requested, APPLICANT will provide the LMRWD with a written final report and copies of all documents concerning the work.
3. Public Access. LMRWD may enter APPLICANT's property at reasonable times to inspect the work to ensure compliance with this Agreement and monitor or take samples for the purpose of assessing the performance of the Project. APPLICANT will permit the LMRWD, at its cost and discretion, to place reasonable signage on APPLICANT's property informing the general public about the Project and the LMRWD's Cost Share Incentive and Water Quality Restoration Program. Any signage proposed by the APPLICANT will acknowledge the LMRWD's contribution to the project. This may be in lieu of signage the LMRWD may wish to place.


APPLICANT will cooperate with the LMRWD in permitting members of the public periodically to enter APPLICANT's property to view the Project in the company of a LMRWD representative. This paragraph does not create any right of public entry onto APPLICANT's property except as coordinated with APPLICANT and accompanied by a LMRWD representative.

4. Maintenance. APPLICANT will maintain the Project for at least ten (10) years from the date installation is complete. If APPLICANT does not do so, the LMRWD will have a right to reimbursement of all amounts paid to APPLICANT, unless:
 - a) The LMRWD determines that the failure to maintain the Project was caused by reasons beyond the APPLICANT's control; or
 - b) APPLICANT has conveyed the underlying property, provided APPLICANT notifies the LMRWD at least 30 days before the property is conveyed and facilitates communication between the LMRWD and the prospective owner regarding continued maintenance of the project.
5. Agreement Void. This Agreement is void if the project installation is not complete by November 1, 2021. This Agreement may not be modified in any way except in writing and signed by both parties.
6. Indemnification. The LMRWD will be held harmless against any and all liability and loss in connection with the installation of the Project.
7. Compliance with Laws. APPLICANT is responsible to comply with any permits or other legal requirements applicable to the work.
8. Notices. Any notice or demand, authorized or required under this Agreement shall be in writing and shall be addressed to the other party as follows:
 - To LMRWD:
 - Administrator
 - Lower Minnesota River Watershed District
 - 112 East Fifth Street, Suite 102
 - Chaska, MN 55318
 - To Applicant:
 - Delina Sarazine
 - 11451 Landing Road
 - Eden Prairie, MN 55347

The parties being in agreement to be signed as follows:

APPLICANT:
River Watershed District

Lower Minnesota

By: Delina Sarafine  5/24/2021 By: Linda Loomis

Administrator

Linda Loomis,

Date:

Date: 6/3/2021



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, April 21, 2021

Agenda Item

Item 5. B. - Authorize 2021 Cost Share Project for 11451 Landing Road, Eden Prairie

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD received an application for a cost share project at 11451 Landing Road in Eden Prairie. The homeowner plans to clear a large portion of the property of buckthorn, honeysuckle, garlic mustard and other invasive species and plant native understory trees. This property is steeply sloped and topography maps have been included.

The home has several roof drains that have caused erosion of the slope at the outfalls of the drains. In addition, much of the slope is vegetated with buckthorn and honeysuckle (also an invasive). The previous homeowner used wood mulch in these areas, which has been washing away down the slope. The areas where the roof drains outfall receives enough sunlight to allow for deep-rooted plants to be planted. The homeowner has worked with a landscaper, Ed's Buckthorn Control, to plan for these areas to be planted with native species that will attract pollinators. This property is adjacent to the Minnesota River floodplain.

This project will diffuse water coming from the roof drains by planting deep-rooted native species in the roof drain outfall areas. It will remove invasive species on the steep slope and establish native understory trees and shrubs to reduce erosion.

There is a wetland at the bottom of the steep slope and a city trail is adjacent to the property. The homeowner has approved placement of signage acknowledging the LMRWD.

Attachments

Proof of ownership/location map

2021 Cost Share Application

Quote from Ed's Buckthorn Control

2021 Cost Share worksheet

Wildflower planting plan

2 maps of property with 2' contour lines

Overhead of home with roof square footage

Overhead planting plan

City of Eden Prairie permit application (includes overhead showing project area and seed mix lists)

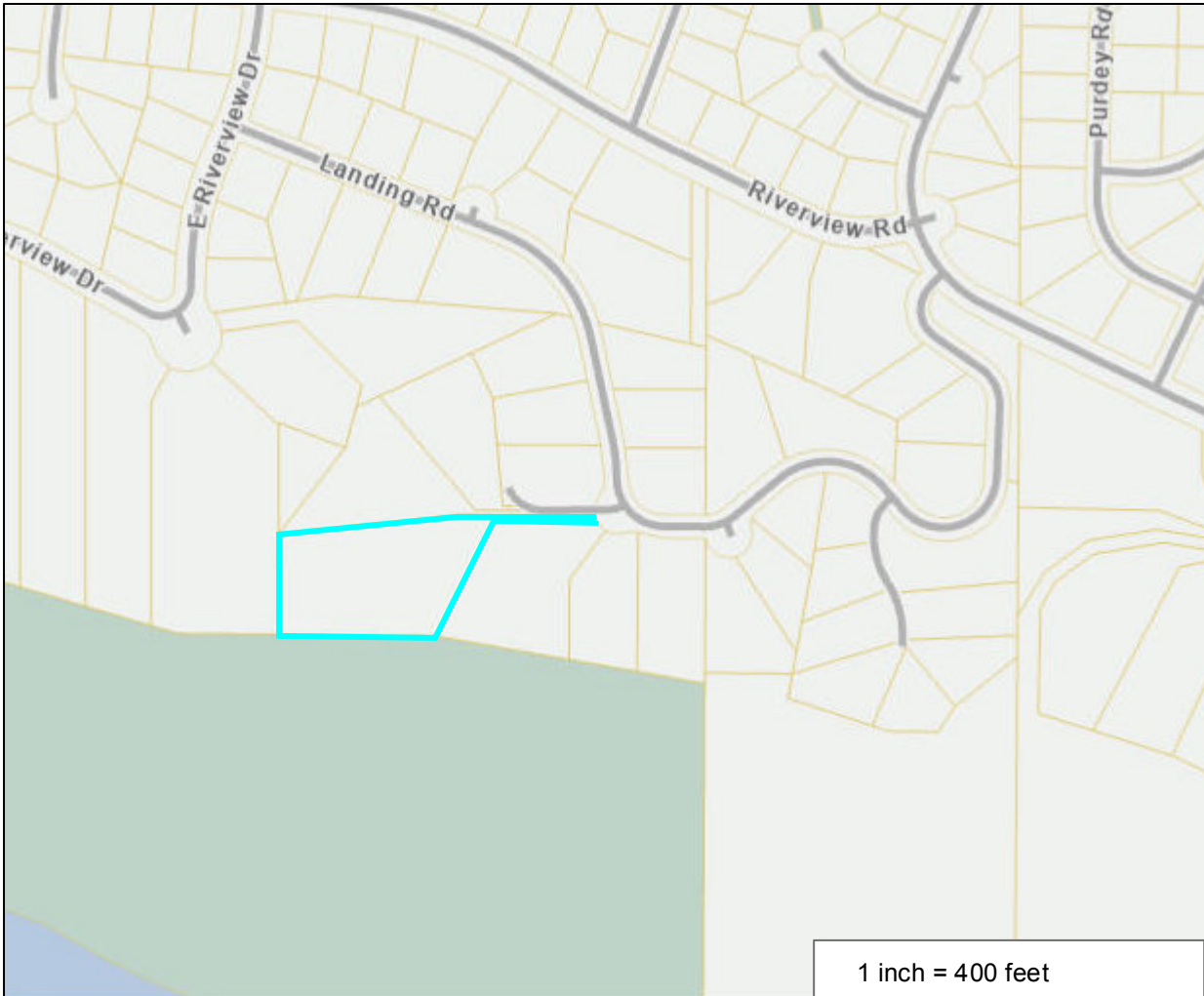
Recommended Action

Motion to authorize 2021 Cost Share Incentive and Water Quality Restoration Program application for 11451 Landing Road, Eden Prairie.



Hennepin County Property Map

Date: 4/16/2021



PARCEL ID: 3511622410019

OWNER NAME: M R Sarazine & D Sarazine

PARCEL ADDRESS: 11451 Landing Rd, Eden Prairie MN 55347

PARCEL AREA: 2.23 acres, 97,096 sq ft

A-T-B: Torrens

SALE PRICE: \$920,000

SALE DATA: 03/2017

SALE CODE: Warranty Deed

ASSESSED 2020, PAYABLE 2021

PROPERTY TYPE: Residential

HOMESTEAD: Homestead

MARKET VALUE: \$968,400

TAX TOTAL: \$12,864.94

ASSESSED 2021, PAYABLE 2022

PROPERTY TYPE: Residential

HOMESTEAD: Homestead

MARKET VALUE: \$997,500

Comments:

This data (i) is furnished 'AS IS' with no representation as to completeness or accuracy; (ii) is furnished with no warranty of any kind; and (iii) is not suitable for legal, engineering or surveying purposes. Hennepin County shall not be liable for any damage, injury or loss resulting from this data.

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Cost share grant application 2021

Application type (check one) Homeowner

Non-profit - 501(c)(3)

School

Business or corporation

Public agency or local government unit

Project type (check all that apply) Raingarden

Vegetated Swale

Infiltration Basin

Wetland restoration

Lake/creek/wetland buffer

Conservation practice

Shoreline/bank stabilization Pervious hard surface

Other: Terrestrial invasive plant removal both upland and wetland border, native habitat reconstruction

Applicant Information

Name of Organization or Individual Applying for Grant (to be named as Grantee):

Delina Sarazine

Address (street, city and ZIP code):

11451 Landing Rd Eden Prairie, MN 55347

Phone: 651-295-4936

Email address: delina216@hotmail.com

Primary Contact (if different from above)

Name of Organization or Individual Applying for Grant (to be named as Grantee):

Address (street, city and ZIP code):

Phone: Email address:

Project location

Address (street, city and ZIP code):

11451 Landing Rd Eden Prairie, MN 55347

Property Identification Number (PID)

3511622410019

Property Owners:

Delina & Michael Sarazine

Project Summary

Title Sarazine Habitat Restoration Total Project Cost \$6,357.04 Grant
amount requested \$2,500 (or higher if allowed) Estimated start date Spring 2021 (or
ASAP) Estimated completion date Fall 2021 Is project tributary to a water body? No, water
remains on site Yes, indirectly Yes, directly adjacent

Project description:

Our land is directly adjacent to the Minnesota River's floodplain, and has several problems which contribute to low quality of the River: erosion on steep sandy slopes, invasive plant species (upland and wetland edge), and lack of native understory and groundcover plants due to buckthorn's bullying traits. We propose to improve the quality of the Minnesota River by: 1. stabilizing the slopes with "wind rows" of brush in order to cause water runoff to slow down, spread out, and sink in 2. removing invasive plants such as garlic mustard and common & glossy buckthorn, to allow a diverse native plant community (especially groundcover species) to reestablish where there is currently bare soil 3. Install native plant plugs, seeds, shrubs, and trees to provide habitat for our pollinators and promote a cohesive ecosystem. 4. Maintain plantings, manage new invasive species that come up from seed, replace plants that fail, and maintain slope stabilization.

Is this work required as part of a permit? No Yes

(If yes; describe how the project provides water quality treatment beyond permit requirement on a separate page.)

Project Details

Checklist To be considered complete the following must be included with the application.

- | | | | |
|-------------------------------------|-----------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | location map | <input checked="" type="checkbox"/> | project timeline |
| <input checked="" type="checkbox"/> | site plan & design schematic | <input checked="" type="checkbox"/> | proof of property ownership |
| <input checked="" type="checkbox"/> | itemized budget or contractor bid | <input checked="" type="checkbox"/> | plant list & planting plan (if project includes plants) |

Description

Describe the current site conditions, as well as site history, and past management

Currently, the parcel consists of a pond, which flows to the proposed work area via a culvert. After leaving the culvert, water has eroded trenches on its way to the MN River. By viewing past maps, we can see that the area was previously a transition between prairie and Oak woodland/savannah. After nearby settlement and fire suppression, new species were able to establish and change the ecosystem. After development, invasive species moved in, and have been ousting the native plants and severely decreasing diversity, and runoff from impervious surfaces has been funneled, which erodes trenches of soil. Furthermore, buckthorn is known to create bare soil, which accelerated erosion. Last year, we removed invasive species and installed native seed around the pond, so this project is the logical next step, working downstream.

What are the project objectives and expected outcomes? Give any additional project details.

If the invasive plants are allowed to keep going unchecked, there will not be any new native trees to take the place of their parents when they eventually fall. Monocultures of buckthorn create bare soil, which causes erosion to

quicken. Runoff from the house travels down the steep slope full of buckthorn, and into the drainage wetland before flowing directly into the Minnesota River.

Our goals are to remove invasive species, introduce native species that will not only reduce erosion and improve habitat for pollinators and birds, but also fend off invasive seedlings and future invasions. Diversity is key to holding soil on slopes, so we will plant and seed diverse native species with diverse root system types to prevent future erosion. The slope along the drainage wetland edge will be planted with willows and dogwoods to further bolster the soil and provide habitat for pollinators and birds.

Roof runoff will be managed with a pseudo-rain garden. Most of the roof runoff is combined via French drain to one pipe, so there is a lot of water moving in a concentrated area. The slope is too steep for a rain garden basin unless a retaining wall is installed, so we will plant plugs on the slope in the same design arrangement as a rain garden with tiers like stairs to help make the water slow down, spread out, and sink in, rather than run off and cause erosion.

List other key participants and their roles (provide contact information for each partner and his/her expected contribution to the project)

Ed's Buckthorn Control is hired for design, implementation, and some early maintenance.

Which cost share goals does the project support? (check all that apply)

improve watershed resources Foster water resource stewardship

increase awareness of the vulnerability of watershed resources

increase familiarity with and acceptance of solutions to improve

waters How does the project support the goals you checked?

The project will improve water contributing to the Minnesota River by reducing erosion, sediment and filtering roof runoff. The project will also serve as an example to my community (there is a city owned path frequented by residents that cuts through our property to access the preserve area of Minnesota River and also is used by many within our association). Our direct neighbors are eager to promote healthier landscapes within their own yards and many others in our association that have property adjacent to the preserve area. I am part of a MN Gardener's group on Facebook and also a member of our associations' Facebook group, I already have discussed previous experiences in promoting other areas of our properties with these groups. I will be taking before and after photos of this project and plan to share its progress, our experiences with our community and what we have learned to continue to encourage residents to foster water resource stewardships as well.

Project Details (continued)

Benefits Estimate the project benefits in terms of restoration and/or **annual** pollution reduction. If you are working with a designer or contractor, they can provide these numbers. If you need help contact the district Administrator.

Our roof is about 3900 square feet and the land to be restored in this project is around 7500 square feet where buckthorn will be removed and replaced with native plants. This project will provide a more natural landscape to collect rainwater, diffuse it and allow for infiltration where it falls. *Per discussion with administrator it is

appropriate to leave fields in table below blank since statement above provides square footage and therefore should be sufficient.

| Benefit | Amount |
|--------------------|---------------|
| Water captures | gal/year |
| Water infiltrated | gal/year |
| Phosphorus removed | lbs/year |
| Sediment removed | lbs/year |
| Land restored | 7,500 sq. ft. |

How will you share the project results with your community?

As mentioned in the project goals section, I plan to share the project before and after results with my association and fellow gardener community via groups I am part of on Facebook. Our property is frequented by many within our city/association due to a public path that cuts through our property. The path will direct this 'traffic' right by our project area and I am very excited for these members of our community to see the results first hand over time as the native seeds/plants continue to outcompete the invasive plants that have bombarded this area prior to us living in our home.

Are there other projects that could be initiated as a result of this one?

Yes, The next area to remediate is the dry prairie uphill of the driveway. It has struggled because of the invasion of red cedar, and has invasive species. Ed's Buckthorn Control will be observing this year to determine impairment and goals.

Evaluation

How will the project be monitored and evaluated?

Ed's Buckthorn Control will monitor the project for invasive species, success of plantings, plant cages, and slope stabilization, and water flow. I will also observe water movement from the pipes to make sure these interventions remain in place and maintain their functionality. If these interventions become compromised, I will report to Ed's buckthorn control to fix (or have them give me instruction on how to fix myself if applicable). I will also take photos monthly during the growing season from the same perspectives, to show progress of the project, and follow the reporting guidelines outlined by the LMRWD.

Maintenance agreement

I acknowledge that receipt of a grant is contingent upon agreeing to maintain the project for the number of years outlined in the cost share guidelines. Yes

Authorization

Name of landowner or responsible party_


Signature_

4/5/2021
Date_

Type or handwrite your answers on this form. Attached additional pages as needed

(For questions, contact Linda Loomis at Naiad Consulting@gmail.com or call 763-545-4659.) Mail the completed application to: or Email to:

Administrator
Administrator
Chaska, MN 55318

c/o

Linda

Loomis,

naiadconsulting@gmail.com 112 E. Fifth St., Suite 102



RECIPIENT:

Delina Sarazine

11451 Landing Road
 Eden Prairie, Minnesota 55347

SERVICE ADDRESS:

11451 Landing Road
 Eden Prairie, Minnesota 55347

| Quote #64 | |
|--------------|-------------------|
| Sent on | Aug 20, 2020 |
| Total | \$5,980.70 |

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT COST | TOTAL |
|--|---|------|------------|------------|
| Buckthorn Control | Spring 2021: Cut and stump treat buckthorn greater than 3 feet tall. Use some to stabilize slopes. Haul rest of brush to curb for removal. | 1 | \$1,600.00 | \$1,600.00 |
| Brush Removal | Spring 2021: Haul away brush for responsible disposal, usually either burned by the power plant for electricity or burned by a local greenhouse for heat! | 1 | \$500.00 | \$500.00 |
| Spot Spray Weeds | Spring 2021: Spot spray for garlic mustard, motherwort, burdock, and other invasive/pesky weeds. Backpack sprayer with wand for precise application. Wetland-approved herbicide included. Workers are experts at identifying our target species and licensed herbicide applicators. | 1 | \$350.00 | \$350.00 |
| Planting Shrubs/Trees | Spring/Fall 2021: Labor cost for design, species selection, layout, installation, guarding, labeling, and watering. Price per 20 shrubs/trees | 1 | \$500.00 | \$500.00* |
| Shrubs/Trees #2 Pot Pot Size. Priced per 20. | Spring/Fall 2021: Native flowering shrubs/trees, #2 pot size. Price per 20 shrubs | 1 | \$500.00 | \$500.00* |
| Wire Fencing | Spring/Fall 2021: 4 foot tall welded wire fencing to deter rodents and deer from destroying planted shrubs/trees. Shipping and stakes included. Price per 20 shrubs' worth = 200 feet. | 1 | \$300.00 | \$300.00* |
| Bare root Shrub/Tree seedlings | Spring/Fall 2021: Bare root seedlings/live stakes per 20 | 1 | \$100.00 | \$100.00* |
| Seeding Labor | Spring/Fall 2021: Labor for site prep to maximize seed to soil contact and germination, seed dispersal, and application of seed blankets. Price per ~5,000 square feet | 1 | \$500.00 | \$500.00* |
| Seed - Native Pollinator Mix | Spring/Fall 2021: Native pollinator-friendly wildflower seed mix with grasses. near the hot tub and screened porch. Local genotype for best possible outcome. Price per 150 square feet. | 1 | \$50.00 | \$50.00* |



14702 Excelsior Boulevard | #1245 | Minnetonka, Minnesota 55345
 6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

| PRODUCT / SERVICE | DESCRIPTION | QTY. | UNIT COST | TOTAL |
|--|---|------|-----------|-----------|
| Seed - Woodland Mix | Spring/Fall 2021: Shady woodland native plant mix - about 20 wildflowers, plus grasses and sedges. price per 5,000 square feet. | 1 | \$460.00 | \$460.00* |
| Plugs | Spring/Fall 2021: Native plant plugs - per tray of 36. Delivery included. | 6 | \$60.00 | \$360.00* |
| Plant plugs | Spring/Fall 2021: Layout and planting labor. | 1 | \$200.00 | \$200.00* |
| Buckthorn Maintenance - Foliar Herbicide Application | Late Fall 2021: Once native plants are dormant, apply herbicide to control smallest buckthorn, and garlic mustard, along with other noxious invasive plants that are still susceptible to herbicide this time of year. Backpack sprayer with wand for precise application. Wetland-approved herbicide included. Workers are experts at identifying our target species and licensed herbicide applicators. | 1 | \$350.00 | \$350.00 |

* Non-taxable

Delina,

We guarantee no buckthorn will re-sprout from the stumps we cut and treat with our wick dauber method, or we will treat them again for no additional cost.

Please share your thoughts and questions as they arise.

Thanks!
Ed

This quote is valid for the next 30 days, after which values may be subject to change.

| | |
|---|------------|
| Subtotal | \$5,770.00 |
| Minnesota, 80004 District (0.5%) | \$14.00 |
| Minnesota, Hennepin County (0.15%) | \$4.20 |
| Minnesota State (6.875%) | \$192.50 |



14702 Excelsior Boulevard | #1245 | Minnetonka, Minnesota 55345
6125645771 | info@edsbuckthorn.com | edsbuckthorncontrol.com

Total **\$5,980.70**

2021 Cost Share Worksheet

Labor Costs (Contractors, Consultants, In-Kind Labor)

| Service Provider | Task | # Hours | Rate/Hour | Requested Funds from LMRWD | Matching/In-Kind Funds | Total |
|------------------------|-----------------------|---------|-----------|----------------------------|------------------------|-------------|
| Ed's Buckthorn Control | Buckthorn control | | | \$ 800.00 | \$ 800.00 | \$ 1,600.00 |
| | Brush removal | | | \$ 250.00 | \$ 250.00 | \$ 500.00 |
| | Spot spray weeds | | | \$ 175.00 | \$ 175.00 | \$ 350.00 |
| | Planting shrubs/trees | | | \$ 250.00 | \$ 250.00 | \$ 500.00 |
| | Seeding labor | | | \$ 250.00 | \$ 250.00 | \$ 500.00 |
| | Buckthorn maintenance | | | \$ - | \$ 350.00 | \$ 350.00 |
| | | | | | | |
| | | | | | | |
| Total: | | | | \$ 1,725.00 | \$ 2,075.00 | \$ 3,800.00 |

Project Materials

| Material description | Unit Cost | Total # of Units | Requested funds from LMRWD | Matching/In-Kind Funds | Total |
|---|-----------|------------------|----------------------------|------------------------|-------------|
| Shrubs/trees #2 pots | | | \$ 250.00 | \$ 250.00 | \$ 500.00 |
| Wire fencing (to protect trees, shrubs and seedlings from deer) | | | \$ 40.00 | \$ 260.00 | \$ 300.00 |
| Bare root shrub/tree seedlings | | | \$ 50.00 | \$ 50.00 | \$ 100.00 |
| Seed - Native pollinator mix | | | \$ 25.00 | \$ 25.00 | \$ 50.00 |
| Seed - Woodland mix | | | \$ 230.00 | \$ 230.00 | \$ 460.00 |
| Plugs | | | \$ 180.00 | \$ 180.00 | \$ 360.00 |
| Plant plugs | | | \$ - | \$ 200.00 | \$ 200.00 |
| Sales taxes | | | | \$ 210.70 | \$ 210.70 |
| Total: | | | \$ 775.00 | \$ 1,405.70 | \$ 2,180.70 |

| | |
|------------------------------------|-----------------|
| Total Requested Funds from LMRWD*: | \$ 2,500.00 (A) |
| Total Matchin/In-Kind Funds: | \$ 3,480.70 (B) |
| Project Total: | \$ 5,980.70 (C) |

*Please note: total requested funds (A) cannot be more than 50% of the Project Total (C)

SAPAZLINE

Spacing

↓ S
DOWN HILL





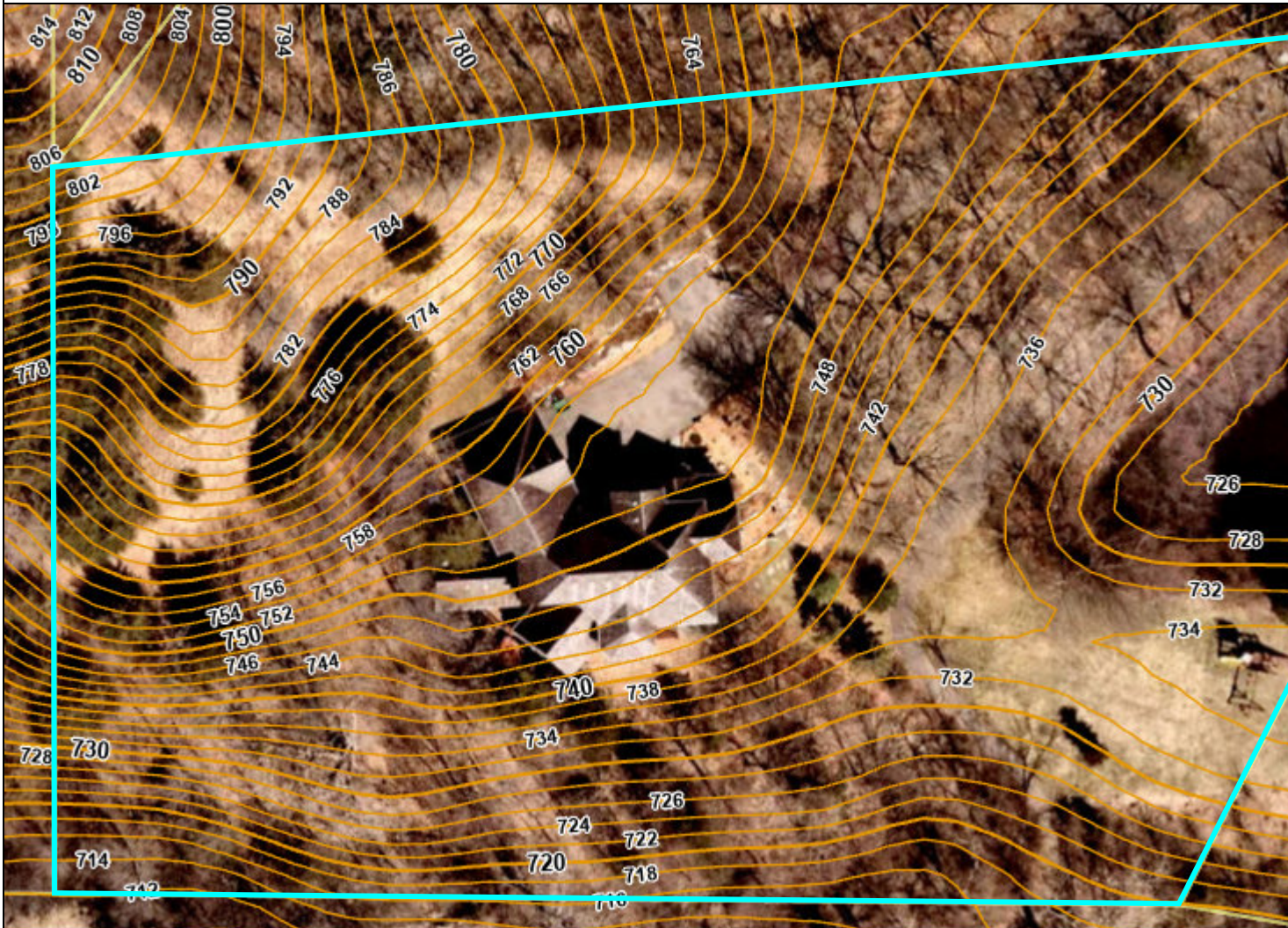
Hennepin County Natural Resources Map

Date: 4/16/2021

Legend

2 Foot Elevation Contours

- Index
- Intermediate



PID: 3511622410019
 Address: 11451 LANDING RD,
 EDEN PRAIRIE
 Owner Name: M R SARAZINE
 & D SARAZINE
 Acres: 2.23

Comments:

1 inch = 50 feet



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Hennepin County Natural Resources Map

Date: 4/16/2021

Legend

2 Foot Elevation Contours

-  Index
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PID: 3511622410019
 Address: 11451 LANDING RD,
 EDEN PRAIRIE
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 & D SARAZINE
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1 inch = 200 feet



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Measure



Sq Feet ▾

Measurement Result

3,910.9 Sq Feet

Disclaimer: Results not survey-grade

Select a year None ▾

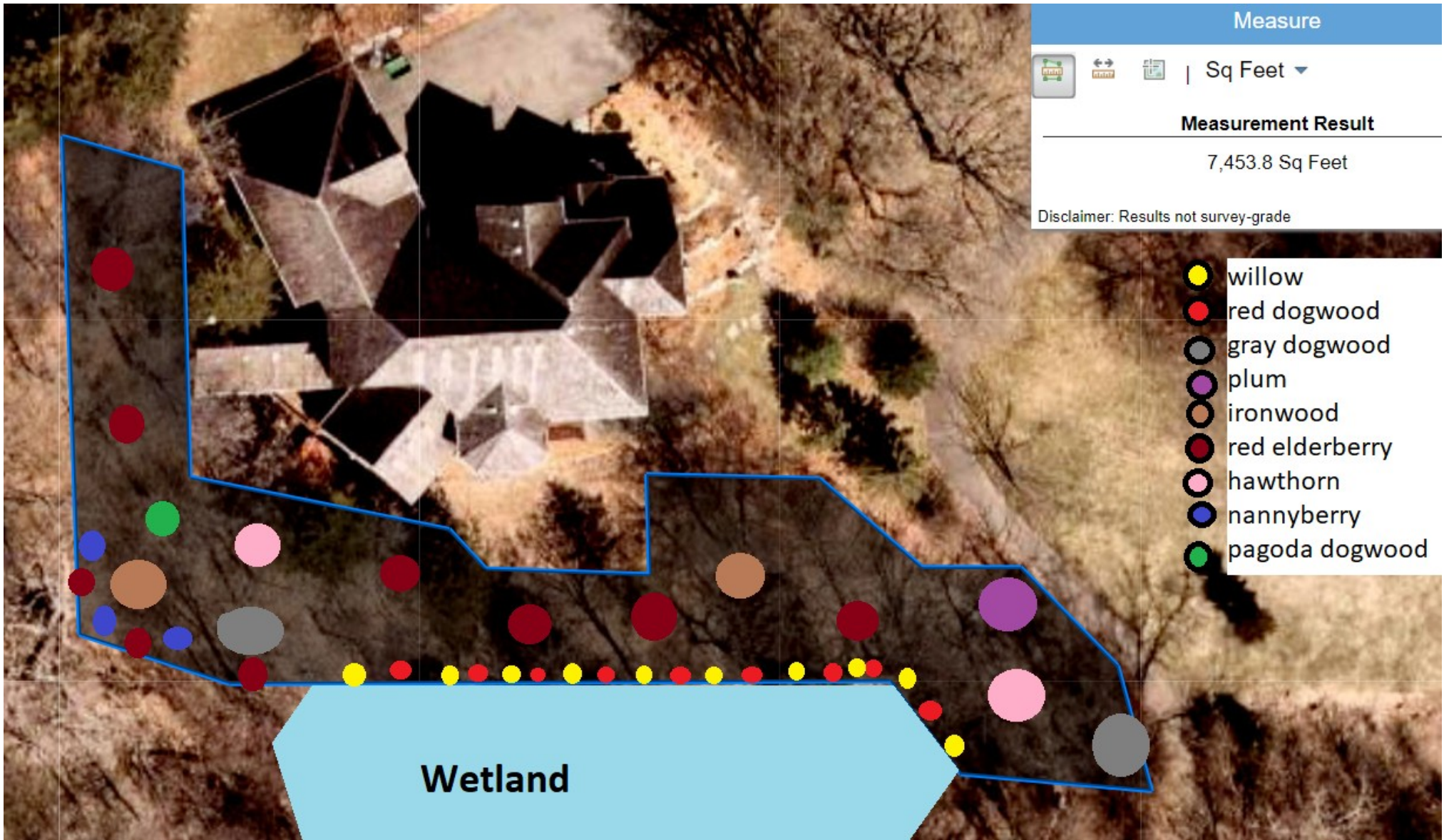


Hybrid
Basemap

Imagery

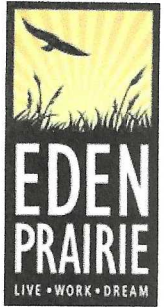
Map layers ?

- House Number
- Parcel Annotation
- Survey Monuments
- Survey Grid
- Abstract/Torrens/Both
- Market Value Asmt Yr 2020
- Market Value Asmt Yr 2021
- Recently Sold
- Surveyed Properties



APPLICATION FOR PERMIT

Vegetation Management Plan Application



| | |
|--|---|
| Send Completed Application To: Leslie Stovring, Water Resources Coordinator 8080 Mitchell Road Eden Prairie, MN 55344 Phone: 952-949-8327 / Fax: 952-949-8326 Email: lstovring@edenprairie.org | FOR OFFICE USE ONLY Approval: <u>LAS</u> Date: <u>March 3, 2021</u> Revised 4/2/2021 Expiration Date: <u>December 31, 2021</u> |
|--|---|

| | | |
|--|---|--|
| Project Location / Address: 11451 Landing Road Eden Prairie MN 55347 | | |
| Property Owner: Michael & Delina Sarazine | Tel. No. / Email Address 651-295-4936 delina216@hotmail.com | Address 11451 Landing Road Eden Prairie MN 55347 |
| Applicant (if not the same): Delina Sarazine | Tel. No. / Email Address " | Address " |
| Association Contact (if applicable): | Tel. No. / Email Address | Address |
| Contractor / Person Performing Work: Ed's Buckthorn Control | Tel. No. / Email Address (612) 564-5771 | Address 14702 Excelsior Blvd #1245 minnetonka MN 55345 |
| Project Description (include a map of proposed project area): Cut & Stump treat all Buckthorn & other Invasive Species (see Below) within Project Area (see attached Project Area Diagram outlined in Blue) | | |
| Species to be Removed (including approx. number of each): Common Buckthorn (30) Tatarian Honeysuckle (30), Glossy Buckthorn (30), garlic Mustard (100+) | | |
| Due to proximity to water, a water-safe approved herbicide is required, such as Rodeo | | |
| Type of Herbicide(s) proposed (if applicable) including Application Methods, Rates and Locations: Stump Treatment with Wick dawber 22.2% Triclopyr 3a Workers are Licensed Herbicide Applicators | | |
| Vegetation Marking Plan (Please provide details on your plan to mark vegetation proposed for removal): All Employees are Highly Trained to Identify & Remove Only Target Species while Being Gentle to Native Species *Ribbon Flags Used* | | |
| Species to be Seeded and/or Planted: Expecting extensive Natural Regeneration with Native plant Seeding distributed throughout the Project area (see attached seed mix lists) | | |
| Property Restrictions Present (conservation easement, drainage easement, shoreland zone, steep slopes, etc.): N/A City Property / Steep Slopes - Okay to cross onto city property for buckthorn removal | | |
| Proposed Start Date: Late March Early April 2021 Exact Date dependant on Cost Share Grant with LM RWD | Proposed Completion Date: May/June 2021 Removal of Invasive Species (Phase 1) Seeding Distribution (Phase 2) again exact Dates are Dependent on LM RWD | |

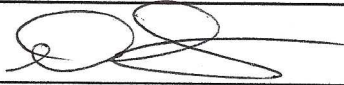
Before work commences, call 952-949-8327 to arrange appointments for inspections before, during and after work.

PERMIT REQUIREMENTS

- Evaluate City Codes Sections 9.01 (Storage, Deposit and Collection of Refuse, Yard Waste, Recyclable Waste and Solid Waste) and 9.71 (Maintenance of Vegetation), prior to authorization of the proposed activities.
- Submit a Vegetation Management Plan (Plan) for review and approval with this Application. The Plan must include a property survey or diagram showing the location of vegetation to be removed, vegetation to be planted, and temporary storage areas. Conservation easements, city property or shoreland protection areas must be included on the diagram. Photographs of the project area must be provided with the Plan. Projects that go beyond one year in length must include a Plan prepared by a professional landscape firm that provides all required information.
- **Include** planting and/or seeding methods; schedule; types and sizes of replacement plants; seed mix proposed for disturbed areas; watering plan; types and methods of application for herbicide; marking plan for indicating unwanted plants to be removed; method of disposal for vegetation removed; and any other information required by the City to determine that all project needs are met.
- Contact the city after the marking is complete and before work begins to ensure all marking is accurate and meets the requirements of work in protected areas.
- **Schedule an onsite evaluation with the City Forester prior to starting work.** A qualified arborist or native plant specialist must identify and mark vegetation proposed for removal prior to the final City inspection.
- Keep a copy of the approved Plan on the job site at all times. The approved permit must be exhibited upon request.
- Protect all existing utility installations.
- Notify the City that the work is completed and ready for final inspection within 24 hours of completion of the work authorized in this permit.
- Keep public streets, trails or sidewalks free of mud, dirt, dust, yard waste, debris, etc.
- ***No power equipment use allowed on City property, including chain saws, string trimmers, lawn mowers, etc. without prior written approval from the City. A "Volunteer Waiver" will also be required.***
- The information on this Application may be distributed to neighboring property owners by the City for comment prior to approval of the Application.

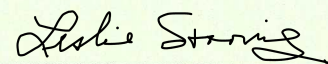
As owner(s) and/or applicant(s) at the above address we hereby request to alter the plant composition at the location listed above. As owner(s) and/or applicant(s) with a shoreland protection area, conservation easement, wetland and/or public water we understand the area abutting a natural area may be regulated by City Code and/or a conservation easement. Vegetation cutting, removal or addition is limited. It is expressly understood that this permit is conditioned on replacement or restoration of the work site to its original or better conditions. The Application must be approved by the City prior to commencing work.

I, We, the undersigned hereby accept the terms and conditions and regulations as set forth and agree to fully comply therewith to the City of Eden Prairie, Minnesota. Furthermore, the applicant or his agents or contractor shall assume all liability for, and save the City, its agents and employees, harmless from any and all claims for damages, actions or causes of action arising out of the work to be done herein and the continuing usage, constructing, reconstructing, maintaining and using of said obstruction under this application and/or permit.

Date: 3/2/2021 Owner/Applicant Name: Delina Sarazine
Owner/Applicant Signature: 

AUTHORIZATION OF PERMIT

In consideration of the agreement to comply in all respects with regulations of the City of Eden Prairie, MN covering such work, permission is hereby granted for the work to be done as described in the above application, said work to be done in accordance with special precautions as stated in City Code, including Sections 9.01, 9.06, 11.50 and 11.51.

Date: March 3, 2021 City (Signature): 
Title: Water Resources Coordinator





MNL Buckthorn Replacement Mix

8740 77th Street NE Otsego, MN 55362

Plant after buckthorn removal to restore native grasses and provide fuel for a prescribed burn. Height 2-4'

| | Scientific Name | Common Name | % of Mix | Seeds/Sq Ft | PLS lbs/ac | Bloom Season |
|-----------------|--------------------------------|--------------------|-----------------|--------------------|-------------------|---------------------|
| Grasses: | <i>Bouteloua curtipendula</i> | Side-Oats Grama | 7.50 | 2.47 | 0.68 | |
| | <i>Bromus pubescens</i> | Hairy Wood Chess | 8.00 | 2.01 | 0.72 | |
| | <i>Elymus canadensis</i> | Canada Wild Rye | 6.00 | 1.03 | 0.54 | |
| | <i>Elymus hystrix</i> | Bottlebrush Grass | 15.00 | 3.77 | 1.35 | |
| | <i>Elymus villosus</i> | Silky Wild Rye | 20.00 | 3.64 | 1.80 | |
| | <i>Elymus virginicus</i> | Virginia Wild Rye | 25.00 | 3.47 | 2.25 | |
| | <i>Panicum virgatum</i> | Switchgrass | 4.00 | 1.85 | 0.36 | |
| | <i>Schizachyrium scoparium</i> | Little Bluestem | 7.50 | 3.72 | 0.68 | |
| Sedges: | <i>Carex spengelii</i> | Long-Beaked Sedge | 7.00 | 2.31 | 0.63 | |
| | | | 100.00 | 24.27 | 9.00 | |
| Seeds/sq ft: | 24.00 | | | | | |
| Grass Species: | 8 | | | | | |
| Sedge Species: | 1 | | | | | |



MNL Savanna Mix Shortgrass

8740 77th Street NE Otsego, MN 55362

Great mix for part-sun oak savanna and woodland edge sites
with 25-50% tree cover. Grass height 2-3'

| | Scientific Name | Common Name | % of Mix | Seeds/ Sq Ft | PLS lbs/ac | Bloom Season |
|-----------------------|-------------------------------------|-------------------------|----------|-----------------|---------------|-----------------|
| Grasses: | <i>Bouteloua curtipendula</i> | Side-Oats Grama | 18.00 | 7.89 | 2.16 | |
| | <i>Bromus kalmii</i> | Prairie Brome | 4.00 | 1.41 | 0.48 | |
| | <i>Elymus villosus</i> | Silky Wild Rye | 9.00 | 2.18 | 1.08 | |
| | <i>Elymus virginicus</i> | Virginia Wild Rye | 15.00 | 2.78 | 1.80 | |
| | <i>Koeleria macrantha</i> | Junegrass | 0.25 | 1.93 | 0.03 | |
| | <i>Schizachyrium scoparium</i> | Little Bluestem | 17.00 | 11.24 | 2.04 | |
| Sedges/Rushes: | <i>Carex bicknellii</i> | Bicknell's Sedge | 2.75 | 2.06 | 0.33 | |
| | <i>Carex normalis</i> | Greater Straw Sedge | 5.00 | 5.51 | 0.60 | |
| | <i>Carex radiata</i> | Eastern Star Sedge | 3.00 | 5.42 | 0.36 | |
| | <i>Carex sprengelii</i> | Long-Beaked Sedge | 6.00 | 2.64 | 0.72 | |
| Forbs: | <i>Achillea millefolium</i> | Yarrow | 0.15 | 1.16 | 0.02 | Summer |
| | <i>Agastache foeniculum</i> | Fragrant Giant Hyssop | 0.35 | 1.39 | 0.04 | Summer |
| | <i>Amorpha canescens</i> | Leadplant | 0.50 | 0.35 | 0.06 | Summer |
| | <i>Anemone canadensis</i> | Canada Anemone | 0.25 | 0.09 | 0.03 | Spring |
| | <i>Antennaria neglecta</i> | Field Pussytoes | 0.15 | 2.73 | 0.02 | Spring |
| | <i>Aquilegia canadensis</i> | Columbine | 0.20 | 0.33 | 0.02 | Spring |
| | <i>Asclepias syriaca</i> | Common Milkweed | 1.25 | 0.22 | 0.15 | Summer |
| | <i>Ceanothus americanus</i> | New Jersey Tea | 0.50 | 0.17 | 0.06 | Summer |
| | <i>Chamerion angustifolium</i> | Fireweed | 0.10 | 2.20 | 0.01 | Summer |
| | <i>Dalea purpurea</i> | Purple Prairie Clover | 5.00 | 3.31 | 0.60 | Summer |
| | <i>Desmodium canadense</i> | Canada Tick Trefoil | 2.75 | 0.67 | 0.33 | Summer |
| | <i>Lespedeza capitata</i> | Round-headed Bushclover | 1.00 | 0.35 | 0.12 | Summer |
| | <i>Liatris aspera</i> | Rough Blazing Star | 0.20 | 0.14 | 0.02 | Summer |
| | <i>Lupinus perennis</i> | Wild Lupine | 0.50 | 0.02 | 0.06 | Spring |
| | <i>Monarda fistulosa</i> | Wild Bergamot | 0.60 | 1.85 | 0.07 | Summer |
| | <i>Oenothera biennis</i> | Common Evening Primrose | 0.70 | 2.78 | 0.08 | Fall |
| | <i>Rosa arkansana</i> | Prairie Rose | 0.25 | 0.01 | 0.03 | Summer |
| | <i>Rudbeckia hirta</i> | Black Eyed Susan | 1.25 | 5.07 | 0.15 | Summer |
| | <i>Rudbeckia triloba</i> | Brown-Eyed Susan | 1.00 | 1.50 | 0.12 | Summer |
| | <i>Solidago nemoralis</i> | Gray Goldenrod | 0.25 | 3.31 | 0.03 | Fall |
| | <i>Solidago rigida</i> | Stiff Goldenrod | 1.00 | 1.81 | 0.12 | Fall |
| | <i>Symphotrichum lateriflorum</i> | Calico Aster | 0.30 | 3.31 | 0.04 | Fall |
| | <i>Symphotrichum oolentangiense</i> | Sky Blue Aster | 0.35 | 1.23 | 0.04 | Fall |
| | <i>Verbena stricta</i> | Hoary Vervain | 0.75 | 0.93 | 0.09 | Summer |
| | <i>Veronicastrum virginicum</i> | Culver's Root | 0.15 | 5.29 | 0.02 | Summer |
| | <i>Zizia aurea</i> | Golden Alexanders | 0.50 | 0.24 | 0.06 | Spring |
| | | | 100.00 | 83.51 | 12.00 | |
| Seeds/sq ft: | 84.00 | | | | | |
| Grass Species: | 6 | | | | | |
| Sedge/Rush Species: | 4 | | | | | |
| Forb Species: | 26 | | | | | |

Seed mixes are subject to change based on availability



MNL Pollinator Mix Dry to Mesic Soils

8740 77th Street NE Otsego, MN 55362

Mix approved by the Xerces Society for Pollinator habitat enhancement and restoration.
For dry and well-drained to mesic soils. Height 2-3'

| | Scientific Name | Common Name | % of Mix | Seeds/ Sq Ft | PLS lbs/ac | Bloom Season |
|-----------------------|-------------------------------------|------------------------------|----------|--------------|------------|--------------|
| Grasses: | <i>Bouteloua curtipendula</i> | Side-Oats Grama | 16.75 | 6.12 | 1.68 | |
| | <i>Bouteloua gracilis</i> | Blue Grama | 4.00 | 5.88 | 0.40 | |
| | <i>Bromus kalmii</i> | Prairie Brome | 3.00 | 0.88 | 0.30 | |
| | <i>Elymus trachycaulus</i> | Slender Wheat Grass | 2.00 | 0.51 | 0.20 | |
| | <i>Koeleria macrantha</i> | Junegrass | 0.25 | 1.61 | 0.03 | |
| | <i>Schizachyrium scoparium</i> | Little Bluestem | 16.00 | 8.82 | 1.60 | |
| | <i>Sporobolus heterolepis</i> | Prairie Dropseed | 2.00 | 1.18 | 0.20 | |
| Sedges/Rushes: | <i>Carex bicknellii</i> | Bicknell's Sedge | 1.00 | 0.62 | 0.10 | |
| Forbs: | <i>Achillea millefolium</i> | Yarrow | 0.20 | 1.29 | 0.02 | Summer |
| | <i>Agastache foeniculum</i> | Fragrant Giant Hyssop | 0.60 | 1.98 | 0.06 | Summer |
| | <i>Allium stellatum</i> | Prairie Onion | 0.60 | 0.24 | 0.06 | Summer |
| | <i>Amorpha canescens</i> | Leadplant | 3.00 | 1.76 | 0.30 | Summer |
| | <i>Anemone canadensis</i> | Canada Anemone | 0.75 | 0.22 | 0.08 | Spring |
| | <i>Asclepias speciosa</i> | Showy Milkweed | 0.50 | 0.08 | 0.05 | Summer |
| | <i>Asclepias syriaca</i> | Common Milkweed | 1.75 | 0.26 | 0.18 | Summer |
| | <i>Asclepias tuberosa</i> | Butterfly Milkweed | 1.50 | 0.24 | 0.15 | Summer |
| | <i>Astragalus canadensis</i> | Canada Milk Vetch | 2.00 | 1.25 | 0.20 | Summer |
| | <i>Chamaecrista fasciculata</i> | Partridge Pea | 7.00 | 0.69 | 0.70 | Fall |
| | <i>Coreopsis palmata</i> | Prairie Coreopsis | 0.25 | 0.09 | 0.03 | Summer |
| | <i>Dalea candida</i> | White Prairie Clover | 5.00 | 3.49 | 0.50 | Summer |
| | <i>Dalea purpurea</i> | Purple Prairie Clover | 7.50 | 4.13 | 0.75 | Summer |
| | <i>Desmodium canadense</i> | Canada Tick Trefoil | 4.25 | 0.86 | 0.43 | Summer |
| | <i>Echinacea angustifolia</i> | Narrow-leaved Coneflower | 1.50 | 0.39 | 0.15 | Summer |
| | <i>Heliopsis helianthoides</i> | Common Ox-Eye | 4.00 | 0.93 | 0.40 | Summer |
| | <i>Helianthus pauciflorus</i> | Stiff Sunflower | 0.25 | 0.04 | 0.03 | Fall |
| | <i>Lespedeza capitata</i> | Round-headed Bushclover | 1.25 | 0.37 | 0.13 | Summer |
| | <i>Liatris aspera</i> | Rough Blazing Star | 0.50 | 0.29 | 0.05 | Summer |
| | <i>Liatris punctata</i> | Dotted Blazing Star | 1.00 | 0.26 | 0.10 | Summer |
| | <i>Lupinus perennis</i> | Wild Lupine | 0.75 | 0.03 | 0.08 | Spring |
| | <i>Monarda fistulosa</i> | Wild Bergamot | 0.60 | 1.54 | 0.06 | Summer |
| | <i>Monarda punctata</i> | Spotted Bee Balm | 0.15 | 0.50 | 0.02 | Summer |
| | <i>Penstemon gracilis</i> | Slender Beardtongue | 0.15 | 3.31 | 0.02 | Spring |
| | <i>Penstemon grandiflorus</i> | Showy Penstemon | 0.75 | 0.39 | 0.08 | Spring |
| | <i>Phlox pilosa</i> | Prairie Phlox | 0.10 | 0.07 | 0.01 | Spring |
| | <i>Pycnanthemum virginianum</i> | Mountain Mint | 0.20 | 1.62 | 0.02 | Summer |
| | <i>Ratibida columnifera</i> | Long-Headed Coneflower | 1.25 | 1.93 | 0.13 | Summer |
| | <i>Rudbeckia hirta</i> | Black Eyed Susan | 1.80 | 6.08 | 0.18 | Summer |
| | <i>Solidago nemoralis</i> | Gray Goldenrod | 0.15 | 1.65 | 0.02 | Fall |
| | <i>Solidago speciosa</i> | Showy Goldenrod | 0.25 | 0.87 | 0.03 | Fall |
| | <i>Symphotrichum laeve</i> | Smooth Blue Aster | 1.00 | 2.02 | 0.10 | Fall |
| | <i>Symphotrichum oolentangiense</i> | Sky Blue Aster | 1.55 | 4.55 | 0.16 | Fall |
| | <i>Tradescantia bracteata</i> | Prairie Spiderwort | 0.50 | 0.18 | 0.05 | Spring |
| | <i>Verbena stricta</i> | Hoary Vervain | 1.50 | 1.54 | 0.15 | Summer |
| | <i>Zizia aptera</i> | Heart-leaf Golden Alexanders | 0.20 | 0.09 | 0.02 | Spring |
| | <i>Zizia aurea</i> | Golden Alexanders | 0.70 | 0.28 | 0.07 | Spring |
| | | | 100.00 | 71.12 | 10.00 | |

Seeds/sq ft: 71.00
 Grass Species: 7
 Sedges/Rush Sp: 1
 Forb Species: 37

Seed mixes are subject to change based on availability