



The location of the meeting is scheduled for the Council Chambers in the Chaska City Hall

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Lower Minnesota River Watershed District
7:00 PM
Wednesday, March 21, 2018
Council Chambers, Chaska City Hall, 2nd Floor
One City Hall Plaza, Chaska, MN 55318

Agenda Item	Discussion
1. Call to order	A. Roll Call
2. Approval of agenda	
3. Citizen Forum	<i>Citizens may address the Board of Managers about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Board will continue with the agenda. The Board will take no official action on items discussed at the Forum, with the exception of referral to staff or a Board Committee for a recommendation to be brought back to the Board for discussion or action at a future meeting.</i>
4. Consent Agenda	<p><i>All items listed under the consent agenda are considered to be routine by the Board of Managers and will be enacted by one motion and an affirmative vote of a majority of the members present. There will be no separate discussion of these items unless a Board Member or citizen request, in which event, the items will be removed from the consent agenda and considered as a separate item in its normal sequence on the agenda.</i></p> <p>A. Approval of Minutes for February 21, 2018 Regular Meeting</p> <p>B. Approval of Financial Reports</p> <p>C. Presentation of Invoices for payment</p> <ul style="list-style-type: none"> i. Rachel Contracting - repayment for prepayment of dredge material ii. Manager Hartmann - for 2nd half 2017 per diem payments & expense reimbursement iii. Metro Sales - payment for copier maintenance service iv. Rinke Noonan - for December legal services v. Scott County SWCD - for 4th quarter 207 monitoring services vi. Time Savers Off Site Secretarial - preparation of December Board meeting minutes and transcription of October public hearing vii. US Bank Equipment Finance - February copier rental viii. Dakota County SWCD - for 4th quarter 2017 monitoring services ix. Carver County WMO - for 4th quarter 2017 monitoring services x. Naiad Consulting - for December 2017 admin services, mileage & expenses <p>D. Eagle Creek 2018-2019 WOMP Agreement</p>

5. New Business/ Presentations	<ul style="list-style-type: none"> A. Metro Children's Water Festival B. 2018 Cost Share Application - Chimney Pines Homeowners Association C. 2018 Cost Share Application - Bruce Bergo - 727 7th Street, Chaska MN
6. Old Business	<ul style="list-style-type: none"> A. Engineering & Legal proposals B. Metro-area Watershed Based Funding Pilot Program C. Dredge Management <ul style="list-style-type: none"> i. Review process for funding of maintenance of Navigation Channel ii. Vernon Avenue Dredge Material Management site iii. Private Dredge Material Placement D. Watershed Management Plan E. 2018 Legislative Action F. Website Redesign G. Education & Outreach <ul style="list-style-type: none"> i. Education & Outreach Coordinator ii. Friends of the MN River Valley/LMRWD collaboration iii. Citizen Advisory Committee H. LMRWD Projects <ul style="list-style-type: none"> i. Eden Prairie Area #3 Stabilization ii. Riley Creek Cooperative project Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project iii. Floodplain Lake Coring Project with Freshwater Society iv. Seminary Fen ravine stabilization project v. Analysis of Dakota County Monitoring vi. East Chaska Creek - CSAH 61 & TH 41 Transportation improvements vii. Savage Fen Ravine Project I. Project Reviews <ul style="list-style-type: none"> i. Hennepin County - Bloomington Road ii. City of Bloomington - Hyatt House; 2343-2373 Old Shakopee Road iii. City of Chaska - Local Surface Water Management Plan Amendment iv. City of Chanhassen - Comprehensive Plan/Local Water Management Plan v. City of Lilydale Local Water Management Plan Amendment vi. City of Burnsville - Xcel Energy Black Dog Plant vii. MNDOT - I35W Bridge replacement J. MPCA Soil Reference Values - No new information since last update
7. Communications	<ul style="list-style-type: none"> A. Administrator Report B. President C. Managers D. Committees E. Legal Counsel F. Engineer
9. Adjourn	Next meeting of the LMRWD Board of Managers is Wednesday, April 18, 2018

Upcoming meetings/Events

- Savage Public Information meeting - April 3, 2018, 5:30pm -7:00pm, location to be announced
- Freshwater Society's [State of Water Conference](#) - April 12-14, Breezy Point
- Metro MAWD - Tuesday, April 17, 2018 - Capitol Region Watershed District
- [Minnesota Water Action Day at the Capitol](#) - Wednesday, May 2, 2018, 8:00am-4:00pm State Capitol
- MN River Congress - Thursday, May 17, 2018, Mankato (venue to be announced)

For Information Only

- WCA Notices
 -
- DNR Public Waters Work permits
 -
- DNR Water Appropriation permits
 - Hennepin County Transportation Department - Application for temporary permit for construction dewatering for Riley Creek (this permit was issued - LMRWD did not receive notification of issuance)
 - MCES - Amendment of a previously issued permit for temporary construction dewatering for the construction an interceptor waste water line to the Blue Lake WWTP in Shakopee
 - CenterPoint Energy - Application for temporary permit for construction dewatering for Portland line replacement in Bloomington
 - CenterPoint Energy - Permit #20218-0572 Portland line replacement expires 12/31/2018

Future Manager Agenda Items list

- Dredge management funding
- Presentation on County Fair project
- Report of water quality testing of Minnesota River from MPCA
- Report on Flying Cloud Landfill
- Record retention policy
- AIS Policy
- Riverbank stabilization policy

Future TAC Agenda Items List

Item 4.B.
 LMRWD 2-21-18

BEGINNING BALANCE	31-Jan-18	\$ 1,261,179.71
ADD:		
General Fund Revenue:		
WOMP (Watershed Outlet Monitoring Program)		\$ 1,000.00
Sale of Main Channel Dredge Material		<u>\$ 16,929.00</u>
Total Revenue and Transfers In		\$ 17,929.00
DEDUCT:		
Warrants:		
JE Carver County WMO	4th Qtr. 2017 Monitoring	\$ 14,876.00
404586 Rachel Contracting	Refund of prepayment for dredge	\$ 8,024.06
404609 Jesse Hartmann	2nd 1/2 2017 per diem & exps.	\$ 323.54
404620 Metro Sales, Inc.	Copier service agreement	\$ 71.15
404632 Rinke Noonan	December legal services	\$ 2,628.30
404635 Scott County SWCD	4th Qtr. 2017 Monitoring	\$ 6,993.30
404642 Time Saver Off Site Secretarial	Prep of Dec. & Oct. transcription	\$ 570.00
404781 US Bank Equipment Finance	February copier rental	\$ 231.91
100004862 Dakota County SWCD	4th Qtr. 2017 Monitoring	\$ 1,162.50
100004869 Naiad Consulting	Dec 2017 admin services & exp	<u>\$ 9,452.08</u>
Total Warrants/Reductions		<u>\$ 44,332.84</u>
ENDING BALANCE	28-Feb-18	\$ 1,234,775.87

EXPENDITURES	2017 Budget	December Actual	YTD 2017	Over (Under) Budget
Administrative expenses	\$ 250,000.00	\$ 9,718.02	\$ 220,703.73	\$ (29,296.27)
Cooperative Projects				
Gully Contingency Fund	\$ 40,000.00			\$ (40,000.00)
Ravine Stabilization at Seminary Fen in Chaska		\$ 698.75	\$ 148,928.50	\$ 148,928.50
Eden Prairie Bank Stabilization Area #3	\$ 75,000.00		\$ 4,399.00	\$ (70,601.00)
Eagle Creek	\$ 12,000.00			\$ (12,000.00)
USGS Sediment & Flow Monitoring	\$ 18,500.00		\$ 18,631.00	\$ 131.00
509 Plan Budget				
<i>Resource Plan Implementation</i>				
Riley Creek Cooperative Project with RPBCWD	\$ 100,000.00		\$ 4,998.00	\$ (95,002.00)
Seminary Fen Gap Analysis	\$ 75,000.00			\$ (75,000.00)
Dakota County groundwater modeling	\$ 35,000.00			\$ (35,000.00)
Local Water Management Plan reviews	\$ 16,800.00		\$ 2,678.24	\$ (14,121.76)
Project Reviews	\$ 20,000.00		\$ 7,215.63	\$ (12,784.37)
<i>Monitoring</i>	\$ 65,000.00	\$ 22,319.30	\$ 38,117.56	\$ (26,882.44)
<i>Monitoring Data Analysis</i>		\$ 712.50	\$ 2,692.08	\$ 2,692.08
<i>Technical Assistance</i>				\$ -
<i>Watershed Management Plan</i>				\$ -
Next Generation Watershed Management Plan				\$ -
Plan Clarification and proposed rules				\$ -
Plan Amendment	\$ 50,000.00	\$ 1,156.20	\$ 134,417.68	\$ 84,417.68
Vegetation Management Standard/Plan				\$ -
<i>Public Education/CAC/Outreach Program</i>	\$ 32,100.00		\$ 51,381.71	\$ 19,281.71
<i>Cost Share Program</i>	\$ 20,000.00		\$ 15,063.49	\$ (4,936.51)
Savage Fen/Dakota Ave. Ravine Stabilization Project				\$ -
				\$ -
Nine Foot Channel	\$ 80,000.00	\$ 9,496.16	\$ 68,245.88	\$ (11,754.12)
Total:	\$ 889,400.00	\$ 44,100.93	\$ 717,472.50	

EXPENDITURES	2018 Budget	January Actual	YTD 2018	Over (Under) Budget
Administrative expenses	\$ 250,000.00	\$ 231.91	\$ 1,113.91	\$ (248,886.09)
Cooperative Projects				\$ -
Gully Erosion Contingency Fund				\$ -
Ravine Stabilization at Seminary Fen in Chaska				\$ -
Eden Prairie Bank Stabilization Area #3				\$ -
Eagle Creek				\$ -
USGS Sediment & Flow Monitoring	\$ 18,500.00			\$ (18,500.00)
509 Plan Budget				\$ -
<i>Resource Plan Implementation</i>				\$ -
Sustainable Lakes Management Plan (Trout Lakes)	\$ 50,000.00			\$ (50,000.00)
Geomorphic Assessments (Trout Streams)	\$ 50,000.00			\$ (50,000.00)
Paleolimnology Study (Floodplain Lakes)	\$ 50,000.00			\$ (50,000.00)
Fen Stewardship Program	\$ 75,000.00			\$ (75,000.00)
District Boundary Modification	\$ 10,000.00			\$ (10,000.00)
East Chaska Creek Treatment Wetland Project	\$ 10,000.00			\$ (10,000.00)
Minnesota River Sediment Reduction Strategy	\$ 25,000.00			\$ (25,000.00)
Seminary Fen - gap analysis				\$ -
Data Assessments and Program Review				\$ -
Dakota County groundwater modeling				\$ -
Riley Creek Cooperative Project	\$ 50,000.00			\$ (50,000.00)
Local Water Management Plan reviews	\$ 12,000.00			\$ (12,000.00)
Project Reviews	\$ 16,000.00			\$ (16,000.00)
<i>Monitoring</i>	\$ 65,000.00			\$ (65,000.00)
<i>Monitoring Data Analysis</i>				\$ -
<i>Technical Assistance</i>				\$ -
<i>Watershed Management Plan</i>				\$ -
Plan Amendment	\$ 50,000.00			\$ (50,000.00)
Vegetation Management Standard/Plan				\$ -
<i>Public Education/CAC/Outreach Program</i>	\$ 30,000.00			\$ (30,000.00)
<i>Cost Share Program</i>	\$ 20,000.00			\$ (20,000.00)
Savage Fen/Dakota Ave. Ravine Stabilization Project				\$ -
				\$ -
Nine Foot Channel	\$ 50,000.00			\$ (50,000.00)
Dredge Site Improvements	\$ 240,000.00			\$ (240,000.00)
Total:	\$ 1,071,500.00	\$ 231.91	\$ 1,113.91	



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 4. D. - Eagle Creek 2018-2019 WOMP Agreement

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD received the Eagle Creek 2018-2019 WOMP (Watershed Outlet Monitoring Program) Agreement. This is a two year agreement for \$10,000 or actual cost of monitoring, whichever is less. A portion is paid up front and then payments are made each year after submittal of actual expenses incurred for monitoring the WOMP station.

The agreement is attached and the Board should authorize execution.

Attachments

Eagle Creek 2018-2019 WOMP Agreement

Recommended Action

Motion to Authorize execution of Agreement

**GRANT AGREEMENT
BETWEEN THE METROPOLITAN COUNCIL
AND LOWER MINNESOTA RIVER WATERSHED DISTRICT
FOR THE METROPOLITAN AREA
WATERSHED OUTLET MONITORING PROGRAM (WOMP1)**

THIS AGREEMENT is made and entered into by and between the **METROPOLITAN COUNCIL** (the "Council") and the Lower Minnesota River Watershed District (the "Grantee"), each acting by and through its duly authorized officers.

WHEREAS:

1. The Metropolitan Council has been charged by the Minnesota Legislature (Minnesota Statutes, section 473.157, Water Resources Plan) with the development of target pollution loads for all Metropolitan Area watersheds.
2. A search of the available data yielded very little data adequate for use in the development of these loads.
3. The Metropolitan Council has authorized its staff to enter into grant agreements with various watershed management organizations for the collection of watershed outlet data.
4. The Grantee has expressed an interest in collecting water quality data at the watershed outlet.
5. The Grantee has exhibited the technical capability to conduct a watershed outlet monitoring program.
6. The Council has reviewed the Grantee's proposal and desires to assist it in the collection of data.

NOW, THEREFORE, the Council and the Grantee agree as follows:

I. GRANTEE PERFORMANCE OF GRANT PROJECT

1.01 Grant Project. The Grantee agrees to perform and complete in a satisfactory and proper manner the grant project as described in the Grantee's application for grant assistance, incorporated in this agreement by reference, and in accordance with the terms and conditions of this agreement. Specifically, the Grantee agrees to perform the specific activities described in Exhibit A ("WOMP Monitoring Work Plan") and to undertake the financial responsibilities described in Exhibit B ("WOMP Monitoring Budget and Financial Responsibilities" document), both of which are attached to and incorporated in this agreement. These activities and financial responsibilities are referred to in this agreement as the "Grant Project".

1.02 Use of Contractors. With the approval of the Council's Grant and Project Managers, the Grantee may engage contractors to perform Grant Project activities. However, the Grantee retains primary responsibility to the Council for performance of the Grant Project and the

use of such contractors does not relieve the Grantee from any of its obligations under this agreement.

1.03 Material Representations. The Grantee agrees that all representations contained in its application for grant assistance are material representations of fact upon which the Council relied in awarding this grant and are incorporated in this agreement by reference.

II. AUTHORIZED USE OF GRANT FUNDS

2.01 Authorized Uses. Grant funds may be used only for costs directly associated with Grant Project activities, as described in paragraph 1.01, and which: i) occur during the Project Activity Period specified in paragraph 6.01, and ii) are eligible expenses as listed in the Grantee Financial Responsibilities portion of the WOMP Monitoring Budget and Financial Responsibilities document (Exhibit B). Grant funds may also be used to prepare the data and financial reports required by paragraphs 5.02 and 5.03 of this grant agreement. No other use of grant funds is permitted.

2.02 Unauthorized Uses of Grant Proceeds. Grant funds cannot be used to purchase land, buildings, or other interests in real property, or to pay legal fees, or permit, license, or other authorization fees, unless specifically approved in advance by the Council's Grant Manager.

2.03 Project Equipment and Supplies. With approval of the Council's Project Manager, grant funds may be used to purchase or lease equipment, machinery, supplies, or other personal property directly necessary to conduct the Grant Project. The Grantee will comply with the personal property management requirements described in article VIII of this agreement, with regard to any property purchased pursuant to this paragraph.

III. GRANT AMOUNT AND DISTRIBUTION

3.01 Maximum Grant Amount. The Council shall pay to the Grantee a Maximum Grant Amount of \$10,000. Provided, however, that in no event will the Council's obligation under this agreement exceed the lesser of:

- a. the Maximum Grant Amount of \$10,000; or,
- b. the actual amount expended by the grantee on eligible expenses as specified in paragraph 2.01.

The Council shall bear no responsibility for cost overruns which may be incurred by the Grantee in performance of the Grant Project.

3.02 Distribution of Grant Funds. Grant funds will be distributed by the Council according to the following schedule:

- a. Within ten working days of Council execution of this agreement, the Council will distribute to the Grantee forty-five (45%) of the Maximum Grant Amount.
- b. Upon Council approval of Grantee's January 2019 financial report required by paragraph 5.03, the Council will distribute to the Grantee forty-five (45%) percent of the Maximum Grant Amount.

- c. Upon approval of Grantee's January 2020 financial report required by paragraph 5.03, the Council will distribute to Grantee the final payment of the remainder of the Maximum Grant Amount. However, no payment will be made which would cause the distribution of grant funds to exceed the limits in paragraph 3.01. Further, if the amount already paid to Grantee by the Council pursuant to this paragraph exceeds the cumulative amount actually expended by the Grantee on eligible expenses as specified in paragraph 2.01, the Council shall notify Grantee of the amount of over-payment. Grantee shall repay to the Council the amount of such overpayment within 30 calendar days of receipt of such notice from the Council.

No payment will be made under this paragraph if the Grantee is not current in its reporting requirements under article V at the time the payment is due. Distribution of any funds or approval of any report is not to be construed as a Council waiver of any Grantee noncompliance with this agreement.

3.03 Repayment of Unauthorized Use of Grant Proceeds. Upon a finding by Council staff that the Grantee has made an unauthorized or undocumented use of grant proceeds, and upon a demand for repayment issued by the Council, the Grantee agrees to promptly repay such amounts to the Council.

3.04 Reversion of Unexpended Funds. All funds granted by the Council under this agreement that have not been expended for authorized Grant Project activities as described in paragraph 2.01 shall revert to the Council.

IV. ACCOUNTING AND RECORDKEEPING REQUIREMENTS

4.01 Documentation of Grant Project Costs. All costs charged to the Grant Project must be supported by proper documentation, including properly executed payroll and time records, invoices, contracts, receipts for expenses, or vouchers, evidencing in detail the nature and propriety of the charges.

4.02 Establishment and Maintenance of Grant Project Information. The Grantee agrees to establish and maintain accurate, detailed, and complete separate books, accounts, financial records, documentation, and other evidence relating to: i) Grantee's performance under this agreement, and ii) the receipt and expenditure of all grant funds under this agreement. The Grantee shall establish and maintain all such information in accordance with generally accepted accounting principles and practices and shall retain intact all Grant Project information until the latest of:

- a. complete performance of this agreement; or
- b. six (6) years following the term of this agreement; or
- c. if any litigation, claim, or audit is commenced during either such period, when all such litigation, claims or audits have been resolved.

If the Grantee engages any contractors to perform any part of the Grant Project activities, the Grantee agrees that the contract for such services shall include provisions requiring the contractor to establish and maintain Grant Project information in accordance with the provisions of this paragraph and to allow audit of such information in accordance with paragraph 4.03.

4.03 Audit. The accounts and records of the Grantee relating to the Grant Project shall be audited in the same manner as all other accounts and records of the Grantee are audited. During the time of maintenance of information under paragraph 4.02, authorized representatives of the Council, and the Legislative Auditor and/or State Auditor in accordance with Minnesota Statutes, section 16C.05, subdivision 5, will have access to all such books, records, documents, accounting practices and procedures, and other information for the purpose of inspection, audit, and copying during normal business hours. The Grantee will provide proper facilities for such access and inspection.

V. REPORTING AND MONITORING REQUIREMENTS

5.01 Monitoring Work Plan. The WOMP Monitoring Work Plan (Exhibit A) includes the specific geographic area and watershed outlet affected by the Grant Project, the tasks to be undertaken together with schedules and the organization responsible for the tasks' costs. The Grantee Financial Responsibilities portion of the WOMP Monitoring Budget and Financial Responsibilities document (Exhibit B) lists the Grantee expenses eligible for reimbursement by the Council, subject to the limitations of paragraph 2.01. The Grantee agrees to abide by the Monitoring Work Plan, including the Quality Control Provisions listed in the Monitoring Work Plan.

5.02 Grant Project Data Reports. The Grantee will submit Grant Project data reports to the Council in accordance with the requirements in the WOMP Monitoring Work Plan (Exhibit A).

5.03 Grant Project Financial Reports. In January 2019 and January 2020, the Grantee will submit a financial report detailing expenses incurred by Grantee for the Grant Project in the preceding twelve calendar months which are eligible for reimbursement by the Council in accordance with paragraph 2.01.

5.04 Changed Conditions. The Grantee agrees to notify the Council immediately of any change in conditions, local law, or any other event that may affect the Grantee's ability to perform the Grant Project in accordance with the terms of this agreement.

VI. GRANT PROJECT ACTIVITY PERIOD; TERM; TERMINATION

6.01 Project Activity Period. The Grantee agrees to complete the Grant Project activities specified in paragraph 1.01 during the period from January 1, 2018 through December 31, 2019 (the "Project Activity Period").

6.02 Term. The term of this agreement shall extend from the effective date of this agreement to a date 60 calendar days following the end of the Project Activity Period, to permit closeout of this agreement.

6.03 Termination. Either the Council or the Grantee may terminate this grant agreement at any time, with or without cause, by providing the other party written notice of such termination at least thirty (30) days prior to the effective date of such termination. Upon such termination Grantee shall be entitled to compensation for Grant Project activities in accordance with this grant agreement which were satisfactorily performed and incurred prior to the effective date of the termination. Any remaining grant funds which have been distributed to Grantee will be returned to the Council no later than the effective date of such termination. Upon such effective date of termination, a) all data collected by Grantee prior to the effective date of termination shall be turned over to the Council by Grantee; and b) all Council personal property in possession of Grantee wherever located and all property acquired with Grant funds shall be turned over to the Council by Grantee.

6.04 Termination by Council for Noncompliance. If the Council finds that there has been a failure to comply with the provisions of this agreement, the Council may terminate the agreement at any time following seven calendar days written notice to the Grantee and upon failure of the Grantee to cure the noncompliance within the seven-day period. Noncompliance includes failure to make reasonable progress toward completion of the Grant Project. If the Council finds that the Grantee's noncompliance is willful and unreasonable, the Council may terminate or rescind this agreement and require the Grantee to

repay the grant funds in full or in a portion determined by the Council. Nothing in this paragraph shall be construed so as to limit the Council's legal remedies to recover grant funds.

6.05 Effect of Grant Project Closeout or Termination. The Grantee agrees that Grant Project closeout or termination of this agreement does not invalidate continuing obligations imposed on the Grantee by this agreement. Grant Project closeout or termination of this agreement does not alter the Council's authority to disallow costs and recover funds on the basis of a later audit or other review, and does not alter the Grantee's obligation to return any funds due to the Council as a result of later refunds, corrections, or other transactions.

VII. COUNCIL'S GRANT MANAGER AND PROJECT MANAGER

Financial aspects of this grant agreement will be handled by the Council's Grant Manager. The Council's Grant Manager for this grant agreement is Joe Mulcahy, or such other person as may hereafter be designated in writing by the Council.

Technical aspects of the Grant Project, including supervision of the Grantee under the Monitoring Work Plan, will be handled by the Council's Project Manager. The Council's Project Manager for this grant agreement is Casandra Champion, or such other person as may hereafter be designated in writing by the Council.

However, nothing in this agreement will be deemed to authorize such Grant Manager or Project Manager to execute amendments to this Grant Agreement on behalf of the Council.

VIII. GRANT PROPERTY AND DATA

8.01 Title. Title to all personal property at the monitoring station site as described in Exhibit A and all property acquired with grant funds will remain with the Council. The Council authorizes the Grantee to utilize the personal property at the site in carrying out the Grant Project activities during the Project Activity Period.

8.02 Maintenance. The Grantee agrees to maintain any such personal property in good operating order. If, during the Project Activity Period, any personal property is no longer available for use in performing the Grant Project, whether by planned withdrawal, misuse, or casualty loss, the Grantee shall immediately notify the Council's Project Manager.

8.03 Utility Services. The Council shall make arrangements with local utilities to provide both telephone and electrical hookups as needed at the monitoring station specified in Exhibit A. All utility accounts serving the monitoring station shall be in the name of the Council. All telephone and electric utility costs for the monitoring station shall be paid by the Council.

8.04 Grant Project Closeout or Termination. No later than a) the effective date of termination as provided in Sections 6.03 and 6.04 of this Grant Agreement or b) no later than sixty (60) calendar days following the end of the Project Activity Period ("Project Closeout Date"), whichever is applicable:

- i) all data defined in Section 9.04 of this Agreement collected by Grantee prior to the Project Closeout Date or the effective date of termination shall be turned over to the Council by Grantee; and
- ii) all Council personal property in possession of Grantee wherever located and all property acquired with Grant funds shall be turned over to the Council by the Grantee.

Provided, however, that if the Grant Agreement has not been terminated by either party and Grantee continues to participate in the Watershed Outlet Monitoring Program (WOMP1) through a subsequent Grant Agreement with the Council, Grantee shall not be required to comply with Section 8.04 subparagraph (ii) until such time as Grantee's participation in the WOMP1 program ceases.

IX. GENERAL CONDITIONS

9.01 Amendments. The terms of this agreement may be changed only by mutual agreement of the parties. Such changes shall be effective only upon the execution of written amendments signed by duly authorized officers of the parties to this agreement.

9.02 Assignment Prohibited. Except as provided in paragraph 1.02, the Grantee shall not assign, contract out, sublet, subgrant, or transfer any Grant Project activities without receiving the express written consent of the Council. The Council may condition such consent on compliance by the Grantee with terms and conditions specified by the Council.

9.03 Indemnification. The Grantee assumes liability for and agrees to defend, indemnify and hold harmless the Council, its members, officers, employees and agents, from and against all losses, damages, expenses, liability, claims, suits, or demands, including without limitation attorney's fees, arising out of, resulting from, or relating to the performance of the Grant Project by Grantee or Grantee's employees, agents, or subcontractors.

9.04 Grant Project Data. The Grantee agrees that the results of the Grant Project, the reports submitted, and any new information or technology that is developed with the assistance of this grant may not be copyrighted or patented by Grantee. The Grantee shall comply with the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13, in administering data under this agreement.

9.05 Nondiscrimination. The Grantee agrees to comply with all applicable laws relating to nondiscrimination and affirmative action. In particular, the Grantee agrees not to discriminate against any employee, applicant for employment, or participant in this Grant Project because of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance, membership or activity in a local civil rights commission, disability, sexual orientation, or age; and further agrees to take action to ensure that applicants and employees are treated equally with respect to all aspects of employment, including rates of pay, selection for training, and other forms of compensation.

9.06 Promotional Material: Acknowledgment. The Grantee agrees to submit to the Council a copy of any promotional information regarding the Grant Project disseminated by the Grantee. The Grantee shall appropriately acknowledge the grant assistance made by the Council in any promotional materials, reports, and publications relating to the Grant Project.

9.07 Compliance with Law; Obtaining Permits, Licenses and Authorizations. The Grantee agrees to conduct the Grant Project in compliance with all applicable provisions of federal, state, and local laws, ordinances or regulations. The Grantee is responsible for obtaining all federal, state, and local permits, licenses, and authorizations necessary for performing the Grant Project.

9.08 Workers Compensation; Tax Withholding. The Grantee represents that it is compliance with the workers compensation coverage requirements of Minnesota Statutes, section 176.181, subdivision 2, and that it, and any of its contractors or material suppliers, if any, under this contract, are in compliance with the tax withholding on wages requirements of Minnesota Statutes, section 290.92.

9.09 Jurisdiction, Venue, and Applicable Law. Venue for all legal proceedings arising out of this agreement, or breach of this agreement, shall be in the state or federal court with competent jurisdiction in Ramsey County, Minnesota. All matters relating to the performance of this agreement shall be controlled by and determined in accordance with the laws of the State of Minnesota.

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized officers on the dates set forth below. This agreement is effective upon final execution by, and delivery to, both parties.

GRANTEE _____

Date _____

By _____

Name _____

Title _____

METROPOLITAN COUNCIL

Date _____

By _____

Sam Paske
Assistant General Manager,
Environmental Quality Assurance Department

EXHIBIT A

WOMP MONITORING WORK PLAN

The Grantee, **Lower Minnesota River Watershed District**, will operate and maintain the water quality monitoring site at **Eagle Creek 8451 West 126th St Savage, MN**. The Grantee, or designated agent, will conduct monitoring work from January 1, 2018 through December 31, 2019. The Grantor, Metropolitan Council Environmental Services (MCES) will provide training, supplies and technical support to the Grantee and/or its designated agent through the WOMP Coordinator, Casandra Champion.

CONTACT INFORMATION

Casandra Champion, WOMP Coordinator
651-602-8745 (office)
Casandra.champion@metc.state.mn.us

Daniel Henely, Assistant Manager Water Resources
651-602-8085 (office)
Daniel.henely@metc.state.mn.us

MCES Lab Services Logging Bench
651-692-8293

WORKPLAN

Site Visits

At each site visit, the Grantee will record stage, stream control conditions and obtain instantaneous temperature, conductivity, pH, dissolved oxygen, and turbidity measurements. The Grantee will record measurements and observations on an MCES Sample Submission Sheet and Field Notes form and submit the form to the WOMP Coordinator.

Rating Curve Measurements

The WOMP Coordinator will coordinate with the Grantee to ensure that flow measurements are being made approximately every six weeks, with additional targeted high-flow measurements as conditions allow. Flow measurement data collected by the Grantee will be submitted to the WOMP Coordinator. This submission should include the electronic file and a completed MCES Sample Submission Sheet and Field Notes form.

Water Quality Samples

The Grantee will routinely sample stream water quality by submitting bi-weekly grab samples, 26 samples per year. If ice conditions preclude taking a sample, the Grantee will attempt to collect the next sample after four weeks. The Grantee will measure and record temperature, conductivity, pH, dissolved oxygen, and turbidity.

The first sample collected in March, June, September, and December will include additional quarterly analyses as determined by the WOMP Coordinator.

If the site has an autosampler, the Grantee will collect discrete auto-grabs or flow-weighted composite samples to characterize storm events. If sufficient water volume is available, an aliquot should be poured into a separate container for temperature, conductivity, pH, dissolved oxygen, and turbidity measurements.

Datalogger programming and sample collection timing will be coordinated by the WOMP Coordinator.

If the site does not have an autosampler, event grabs will be collected to characterize storm event. Event grab timing will be coordinated by the WOMP Coordinator and MPCA WPLMN staff. The WOMP Cooperator will use a Secchi Tube to measure transparency with every event grab.

E. coli Samples

The Grantee will collect an E. coli grab sample with every water quality grab or autosampler sample. E. coli samples must be delivered within 24 hours of collection; every effort should be made to deliver the sample within 4-5 hours.

Quality Assurance/Quality Control Samples

The Grantee will collect three QA/QC samples per year; one equipment blank, one routine grab field duplicate and one quarterly grab field duplicate.

Forms and Labels

The Grantee will complete an MCES Sample Submission Sheet and Field Notes form for every grab, autosampler, or QA/QC sample. The Grantee will clearly label all sample bottles and Whirl-Pacs with project number, location, date and time.

Sample Submission

The Grantee will submit all water quality samples to MCES Laboratory Services at the Metropolitan Wastewater Treatment Plant, 2400 Childs Road, St. Paul, Minnesota. The Grantee will notify Logging Bench staff before sample delivery. Deliveries should be prior to 2:00 PM, coordinate with Logging Bench staff if delivery will be late.

The Grantee will submit one copy of the MCES Sample Submission Sheet and Field Notes form to MCES Lab Services, one copy to the WOMP Coordinator, and keep one copy for Grantee records.

Site Maintenance

The Grantee will maintain the basic integrity of the site and notify the WOMP Coordinator of any unusual maintenance needs.

Cost Accounting

The Grantee will provide MCES with an annual invoice of costs incurred for WOMP monitoring including labor, mileage, and equipment expenses.

EXHIBIT B

WOMP MONITORING BUDGET AND FINANCIAL RESPONSIBILITIES

Grantee Financial Responsibilities

The Grantee, **Lower Minnesota River Watershed District** shall assume the following financial responsibilities for operating and maintaining a water quality monitoring and sampling station at **Eagle Creek** during the Project Activity Period (January 1, 2018 through December 31, 2019).

On an annual basis (January 1, 2018 through December 31, 2019), the Grantee shall:

- Assume all Grantee labor costs associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan (Exhibit A);
- Assume all Grantee vehicle and mileage costs associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan;
- Assume all miscellaneous materials, supplies, and sample delivery costs associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan.

The Council will assist in the payment of such costs as provided for in this grant agreement.

Metropolitan Council Financial Responsibilities

Subject to the availability of funds, the Metropolitan Council shall assume the following financial responsibilities for operating and maintaining a water quality monitoring and sampling station at **Eagle Creek** during the Project Activity Period (January 1, 2018 through December 31, 2019).

On an annual basis (January 1, 2018 through December 31, 2019), the Council shall:

- Assume all MCES Laboratory costs associated with analysis of the water samples submitted by the Grantee, in conformance with the WOMP Monitoring Work Plan (estimated cost: \$2,850);
- Assume all telephone service costs (if applicable) associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan (estimated cost: \$625);
- Assume all electrical service costs (if applicable) associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan (estimated cost: \$325);
- Assume all costs for the repair and/or replacement of all monitoring equipment necessary for operating the stream monitoring station according to the WOMP Monitoring Work Plan (estimated cost: \$850);
- Assume all materials and supplies costs associated with operating and maintaining the stream monitoring station according to the WOMP Monitoring Work Plan (estimated cost: \$1,100), beyond the cost contributed by the Grantee (\$250);
- Assume all MCES trades labor costs associated with maintaining the stream monitoring station in proper working order (estimated cost: \$625);

Assume all labor costs for the Council's Project Manager (WOMP Coordinator), who will provide technical support, guidance, and assistance for operating and maintaining the stream monitoring station and managing and assessing the data and information generated by the monitoring work.



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 5. A. - Metro Children's Water Festival

Prepared By

Linda Loomis, Administrator

Summary

The Metro Children's Water Festival has asked for the District's support for the 21st Metro Children's Water Festival. In 2017 the Festival expanded in order to allow more than 600 students to attend. The LMRWD has supported the Festival for many years. In 2017, the LMRWD sponsored 6 classrooms at \$275 for a total of \$1,650.

The Festival is scheduled to take place on Wednesday, September 26th. Class sponsorship this year is again \$275 per class. If Managers wish to explore more information, you can visit the Festival's [website](#).

Attachments

Request for sponsorship

Recommended Action

Motion to authorize sponsorship of 2018 Metro Children's Water Festival and level of sponsorship.

February 2018

Dear Linda Lumis and Lower MN River Watershed District,

We are kicking off the fund-raising campaign for the 21st annual **Metro Area Children's Water Festival (CWF)**. In 2017, we were able to welcome an additional 400 students to the festival and we are hoping to continue growing our numbers.

What is the Children's Water Festival?

The festival is an interactive, hands-on, educational outreach program. The CWF educates, motivates and challenges children to understand, conserve and protect water resources. It is one of the premier K12 education events in the metro area and helps teachers achieve state and school district science standards for 4th grade. Children's Water Festival is also one of the largest education collaborations in the metro area and has been increasing awareness of water issues and solutions in students and adults for 20 years. Since it began in 1998 over 24,400 and 930 teachers have attended.

Why sponsor the Children's Water Festival

- It provides free education on water resources to 4th graders in the metro area.
- It inspires students to learn more about water resources and protecting clean water for future generations.
- It provides a necessary science enrichment program that helps teachers meet state education standards.
- It creates enthusiasm and awareness around one of our most precious resources.
- Be recognized as a business or entity that supports water and environmental learning. Sponsors are recognized at the festival, in the festival booklet, on www.metrocwf.org, through press releases and articles, and receive a certificate of sponsorship. We can provide the CWF logo to put on your website.

How will funds be used?

The program is provided free to students. Sponsored funds cover rental charges for the State Fair Grounds (the only place large enough for an outdoor learning event for almost 2000 students), cost for the Science Museum to present Water is Life to every student, food & beverages for volunteers and presenters, and materials for the Water Arcade. Sponsorship also covers some busing costs for schools that cannot afford transportation. Most presenters, organizers and the planning committee members are from public and private agencies that volunteer their time and expertise.

How to sponsor

Fill out and return the enclosed sponsor form. Thank you for supporting this event that gives so much to the children of Minnesota and identifies the Metro area as a national leader in environmental stewardship.

Thank you,
Madeline Seveland
Metro Children's Water Festival Chair
952-361-1026 or mseveland@co.carver.mn.us



Metropolitan Conservation Districts



2018 METRO CHILDREN'S WATER FESTIVAL

SPONSOR FORM

The 2018 festival will take place on Sept. 26th.

Sponsors will be recognized in the Festival Program, at Festival site, in press releases, on the website and will receive a certificate of sponsorship. The Festival Program will be distributed to all participants (teachers, presenters, sponsors and volunteers) at and after the Festival.

_____ We would like to be a Festival sponsor by funding educational materials, presenters and facility rental: (Please circle one.)

\$250

\$500

\$1000

\$2000

Other \$ _____

_____ We would like to donate materials (e.g. t-shirts, food, etc), services or volunteers. Please ask a Festival organizer to call _____ at _____
(contact person) (phone number)

_____ We would like to sponsor a school(s) by paying for transportation costs: (approx. \$275/bus.)

_____ We would be interested in having a company representative help the day of the event.

If you have any questions about the Children's Water Festival, or where your contribution may best fit, please call: Madeline Seveland (952-361-1026)

Please make check payable to: Metro Conservation Districts

CONTACT NAME _____ DATE _____

COMPANY _____
(Please print this exactly as you wish it to appear in the program.)

ADDRESS _____
(Street, City or Town, Zip)

PHONE _____

FAX _____

E-MAIL _____

PLEASE RETURN TO:

Madeline Seveland
Carver County Water Management Org.
600 e. 4th street
Chaska, MN 55318

"Water Connects Everyone
and Everything on Earth!"



www.metrocwf.org



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 5. B. - 2018 Cost Share Application - Chimney Pines Homeowners Association

Prepared By

Linda Loomis, Administrator

Summary

I have spoken to Ms. Judy Berglund of the Chimney Pines HOA. This will be the third year of their participation in the LMRWD's Cost Share Program. Since this is a townhome development the maximum allowed is \$7,500 or 50% of the project cost whichever is less. The total anticipated cost of phase three is \$5,541.48. The amount of the grant would be 50% of the estimated cost or \$2,770.74. The application is attached.

Attachments

2018 Chimney Pines HOA Cost Share Application

Recommended Action

Motion to authorize 2018 Cost Share for Chimney Pines Homeowners Association

Lower Minnesota River Watershed District

Type or handwrite your answers on this form. (For questions, contact Linda Loomis at naiadconsulting@gmail.com or call 763-545-4659.)

Mail the completed application to:
Lower Minnesota River Watershed District
c/o/Linda Loomis, Administrator
112 E. Fifth St.,
Chaska, MN 55318

or Email to:
Linda Loomis, Administrator
naiadconsulting@gmail.com

2018 Cost Share Incentive and Water Quality Restoration Program Application

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

Chimney Pines Homeowners Association

2) Project Address (street, city and ZIP code):

Spyglass Drive, Eden Prairie, MN 55347

3) Name & Address of Contact Person if different from above:

Judy Berglund

4) Contact Information (daytime and evening phone numbers, email address):

Email: Judy@Berglund.com

Telephone: 952-975-1960

5) Project Type (Best Management Practice [BMP] or Investigation [Study]):

Best Management Practice

6) Project Description: (Use Separate Page if necessary)

- see separate page -

7) How does the project meet the purpose of the LMRWD Cost Share Incentive and Water Quality Restoration Program?

It is our hope to improve the water quality through the BMP implementation of our plan to remove invasive species and to plant vegetation that will mitigate erosion and minimize the rate and volume of water from adjacent land and sedimentation to the Minnesota River. The pond serves as an extended detention pond that collects water from both street drains and surrounding land which is then transferred to a drain system that makes its way to the Minnesota River.

8) How did you find out about the grant?

From Leslie Stovring, Environmental Coordinator for City of Eden Prairie

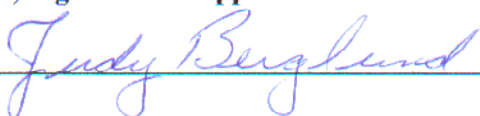
9) Partners (provide contact information for each partner and his/her expected contribution to the project):

Homeowners that backup to the pond area, eighteen homes total. Each homeowner will be asked to contribute their time toward established work days to help complete the overall plan.

10) Grant Funding Request

\$5,541.48

11) Signature of Applicant:



Date: March 19, 2018

Chimney Pines Homeowners Association

Pond Area Improvement Project Narrative

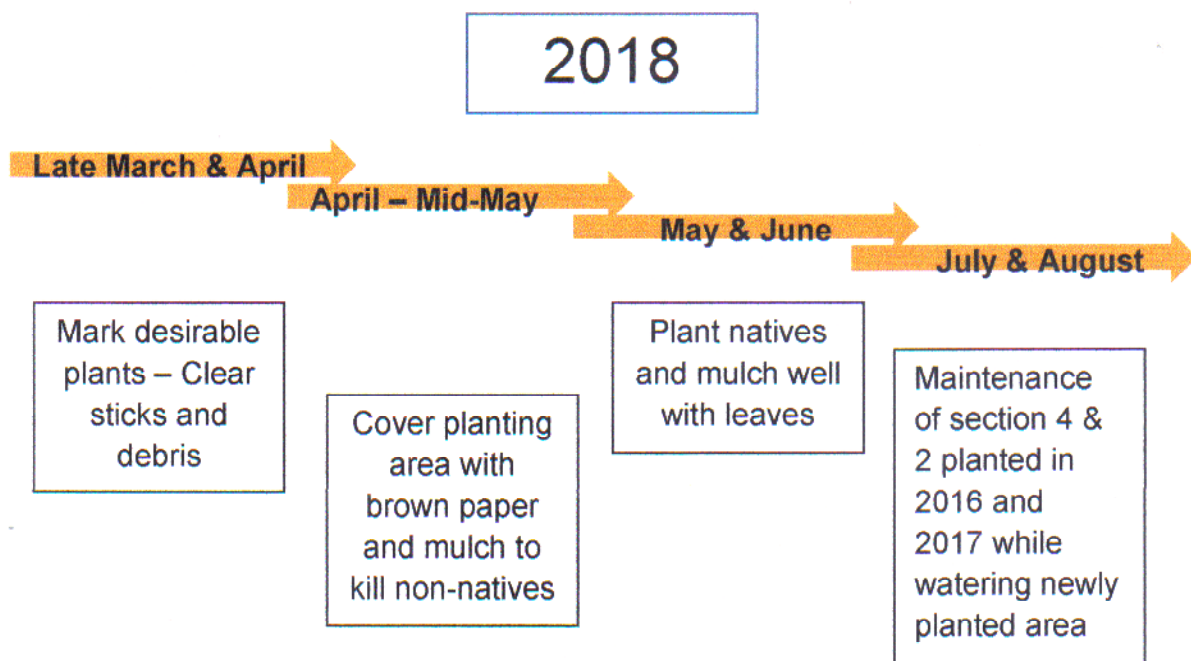
Chimney Pines Homeowners Association of Eden Prairie has eighteen homes backing up to an extended detention pond. Spyglass Drive has fifty homes, in total, in which the driveways and front lawns that have runoff water that is directed to street drains most of which makes its way into the pond and ultimately into the Lower Minnesota River. The goal of this project is to have a native plant buffer strip surrounding the pond in order to improve water quality and clarity with sediment control and preventing soil erosion. Native plants will absorb runoff from backyards before it reaches the extended detention pond. The choice of native plants should also create habitat for butterflies, dragonflies, pollinators, birds, snakes, toads, frogs, salamanders, and other native wildlife.

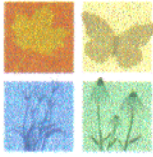
Chimney Pines Homeowners Association

Pond Area Improvement Project Work Plan with Timeline

Because this is such a large area, the volunteer committee of seven households that back up to the extended retention pond will take the suggestion of consultant Heather Holm and divide the area into four workable sections. We completed work on section four (4) in 2016, section two (2) in 2017, and will be working on section three (3) in 2018, and section one (1) in 2019. Attached are the suggestions to the committee made by Heather Holm.

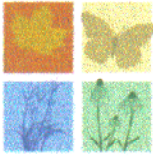
Section three (3) is 135 feet long and an average of 39 feet wide, resulting in an area of 5,300 square feet. We will identify and mark plants worth saving and will be clearing Buckthorn, Garlic Mustard, Canadian Goldenrod, Burning Nettle, Creeping Charlie, and other undesirable invasive species or non-natives in late March through mid-May. As we clear areas we will be laying painter's paper as a barrier and mulching the area with chopped maple leaves collected from the front lawns last fall. May and June we plan to add plant material suggested by Heather Holm. July and August will be maintaining watering for new plantings and maintenance of section four (4) planted in 2016 and section two (2) planted in 2017. We plan to finish this section by late June 2018.





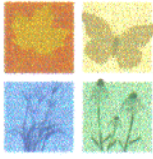
SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PLANT INVENTORY	SECTION
<i>Invasive or non-native species - Remove</i>	
<i>Morus alba</i> , White mulberry	3
<i>Lonicera</i> , Honeysuckle sp.	2
<i>Rhamnus cathartica</i> , European buckthorn (seedlings)	2,3
<i>Torilis japonica</i> , Japanese hedge parsley	3
<i>Silene vulgaris</i> , Bladder campion	1
<i>Linaria vulgaris</i> , Butter and eggs or common toadflax	3
<i>Convolvulus arvensis</i> , Field bindweed	3
<i>Leonurus cardiaca</i> , Motherwort	2,3
<i>Rumex crispus</i> , Curly dock	1
<i>Coronilla varia</i> , Crown vetch	3,4
<i>Glechoma hederacea</i> , Creeping charlie	1-4
<i>Cirsium arvense</i> , Canada thistle	1
<i>Undesirable native species - Remove</i>	
<i>Solidago canadensis</i> , Canada goldenrod	1,2
<i>Hackelia virginiana</i> , Virginia stickseed	2,3,4
<i>Laportea canadensis</i> , Wood nettle	3
<i>Urtica dioica</i> , Stinging nettle	1,4
<i>Vitis riparia</i> , Riverbank grape	1-4
<i>Desirable native species - Keep/Release</i>	
<i>Panicum virgatum</i> , Switch grass	1
<i>Asclepias syriaca</i> , Common milkweed	1
<i>Onoclea sensibilis</i> , Sensitive fern	1, move to 3
<i>Zizia aurea</i> , Golden alexanders	2
<i>Baptisia sp.</i> , Wild indigo	4
<i>Thalictrum dasycarpum</i> , Tall meadowrue	1,2,4
<i>Ageratina altissima</i> , White snakeroot	2-4



SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PLANT INVENTORY	SECTION
<i>Desirable native species - Keep/Release</i>	
<i>Arisaema triphyllum</i> , Jack-in-the-pulpit	2,3
<i>Symphyotrichum</i> spp., Asters, various species	1,2
<i>Silphium perfoliatum</i> , Cup plant	3, move to 1
<i>Osmorhiza longistylis</i> , Long-styled sweet cicely	3
<i>Asarum canadense</i> , Wild ginger	4
<i>Polygonatum</i> sp., Solomon's seal	4, move to 2,3
<i>Cornus sericea</i> , Red osier dogwood	1
<i>Physalis</i> sp., Ground cherry	1,4
<i>Andropogon gerardii</i> , Big bluestem	1
<i>Monarda fistulosa</i> , Wild bergamot	1,2
<i>Hypericum pyramidatum</i> , Great St. John's wort	1
<i>Eutrochium maculatum</i> , Spotted joe pye weed	1
<i>Iris versicolor</i> , Blue flag iris	1
<i>Physalis</i> sp., Ground cherry	1,4
<i>Parthenocissus inserta</i> , Woodbine	2-4

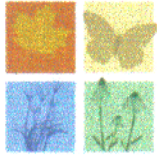


SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PERENNIALS TO ADD - Water's Edge	SECTION
<i>Physostegia virginica</i> , Obedient plant	1
<i>Anemone canadensis</i> , Canada anemone	1,2,4
<i>Chelone glabra</i> , White turtlehead	1,2,4
<i>Eupatorium perfoliatum</i> , Common boneset	1
<i>Verbena hastata</i> , Blue vervain	1
<i>Lobelia siphilitica</i> , Blue Lobelia	1,2,4
<i>Veronicastrum virginicum</i> , Culver's root	1
<i>Vernonia fasciculata</i> , Common ironweed	1,2

SHRUBS TO ADD - Water's Edge	SECTION
<i>Sambucus canadensis</i> , American elderberry	1
<i>Cephalanthus occidentalis</i> , Buttonbush	1
<i>Spiraea alba</i> , Meadowsweet	1
<i>Salix discolor</i> , Pussy willow	1,2

PERENNIALS TO ADD - Shade	SECTION
<i>Mertensia virginica</i> , Virginia bluebells	2-4
<i>Geranium maculatum</i> , Wild geranium	2-4
<i>Maianthemum racemosum</i> , False Solomon's seal	2-4
<i>Polemonium reptans</i> , Jacob's ladder	2-4
<i>Aralia racemosa</i> , Spikenard	2-4
<i>Solidago flexicaulis</i> , Zigzag goldenrod	2-4
<i>Eurybia macrophylla</i> , Large-leaved aster	2-4
<i>Campanula americana</i> , Tall bellflower	2-4
<i>Thalictrum dioicum</i> , Early meadowrue	2-4
<i>Aquilegia canadensis</i> , Wild columbine	2-4



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SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

SHRUBS TO ADD - Shade	SECTION
<i>Diervilla lonicera</i> , Bush honeysuckle	2-4
<i>Viburnum lentago</i> , Nannyberry	2-4
<i>Viburnum rafinesquianum</i> , Downy Arrowwood <i>Viburnum</i>	2-4
<i>Corylus americana</i> , American hazelnut	2-4

GRASSES AND SEDGES TO ADD	SECTION
<i>Schizachyrium scoparium</i> , Little bluestem	1
<i>Carex spregelli</i> , Sprengel's (long-beaked) sedge	2-4
<i>Carex pensylvanica</i> , Pennsylvania sedge	2-4

Native Plant Nurseries

Natural Shore Technologies, Maple Plain, MN www.naturalshore.com

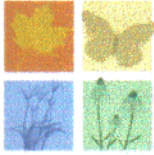
Prairie Restorations Inc, Princeton, MN www.prairieresto.com

Outback Nursery, Hastings, MN www.outbacknursery.com

Ecoscapes, Burnsville, MN www.ecoscapes1.com

Landscape Alternatives, Schafer, MN www.landscapealternatives.com

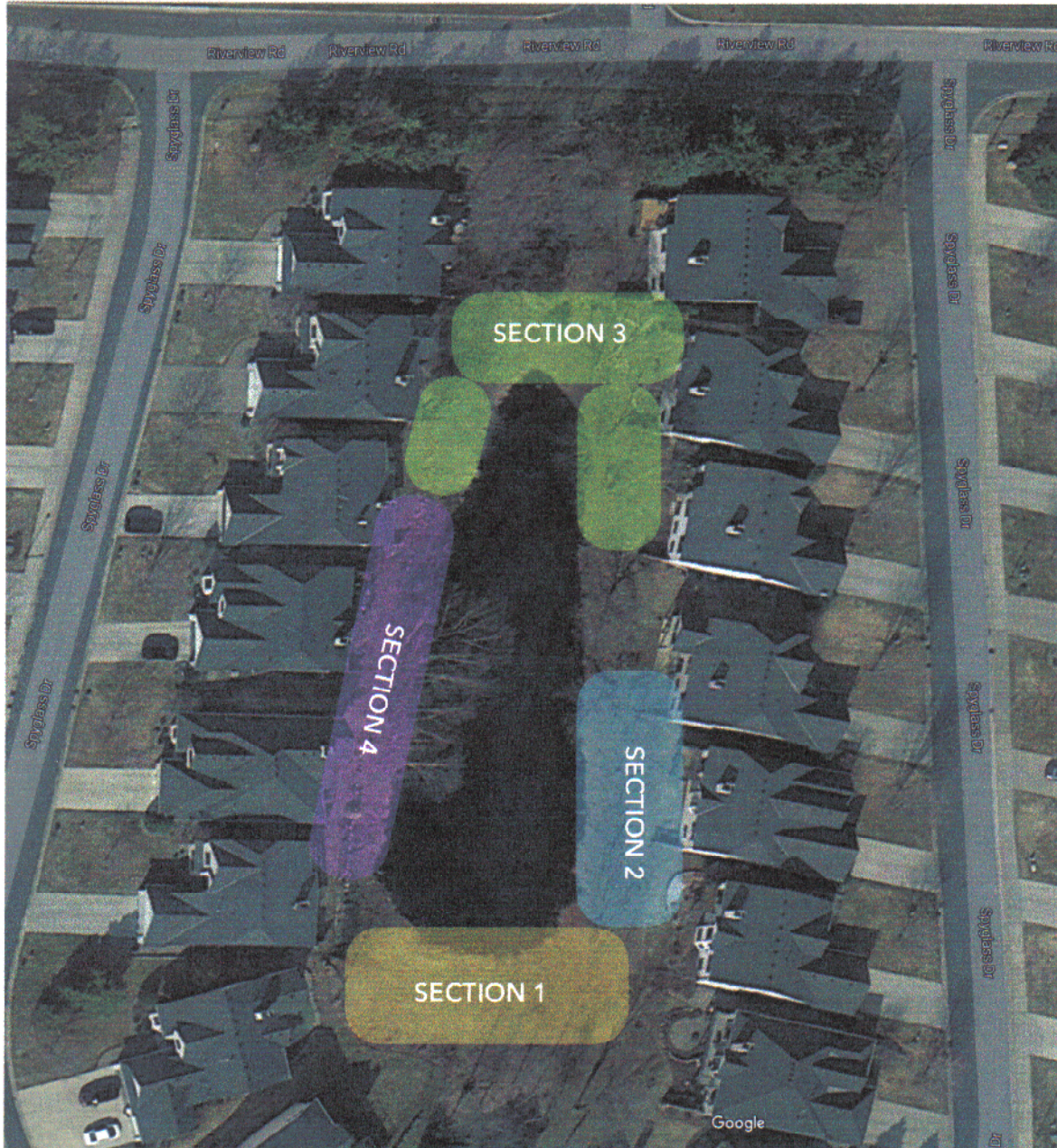
Prairie Moon Nursery, Winona, MN www.prairiemoon.com

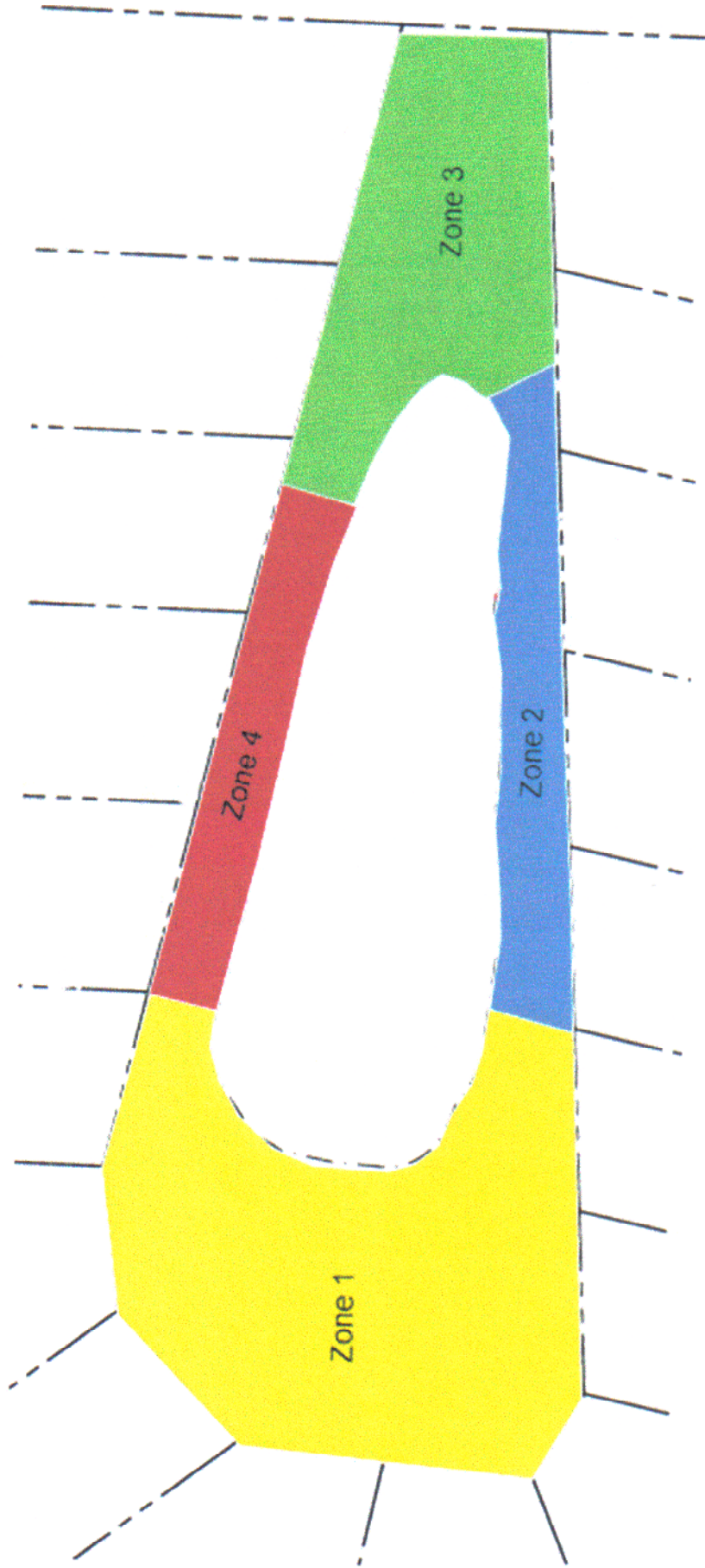


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SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING





- 30 Castorwood
- 30 Jacobs Ladder
- 15 Virginia Bluebells
- 15 Bloodroot
- 25 Maiden hair Fern
- 18 Solomons Seal
- 15 Knight's Aster
- 40 Heart-leaved Aster
- 40 Zigzag Goldenrod

Virginia Bluebells
Maiden hair Fern
Solomon's Seal
Heart-leaved Aster

Jacobs Ladder
Bloodroot

Solomon's Seal
Aster

Foxglove
Bear Tongue
Spike Nard
Zig Zag
Goldenrod

Spruce

Heart-leaved Aster

Short's Aster
Foxglove
Bear Tongue

False Solomons Seal
Ostrich Fern

Wild Columbine
Wild Geranium

Sharp lobed Hepatica

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

Wild Geranium

- 1 Steyer berry Fern
- 1 Red bud Tree
- 1 White flower Tree
- 9 Milkweed
- 15 Lady Fern
- 15 Woodland Plover
- 16 Zig Zag Goldenrod

Wild Strawberries
Wild Strawberries
Phlox

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Wild Strawberries
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- 6 Sharp 2 bud Hepatica
- 12 Milkweed
- 9 Short's Aster
- 9 Wild Columbine
- 9 Jacobs Ladder
- 20 Wild Geranium
- 18 Midland Shooting Star

Maiden hair Fern
Bloodroot
Solomons Seal
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- 8 Sharp 2 bud Hepatica
- 12 Milkweed
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- 9 Wild Columbine
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- 18 Midland Shooting Star

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Maiden hair Fern
Bloodroot
Solomons Seal
Phlox

- 30 Trout Lily
- 25 Starlet
- 15 Wild Geranium
- 20 Wild Columbine
- 20 False Solomons Seal
- 20 Ostrich Fern
- 20 Milkweed
- 20 Short's Aster
- 15 Foxglove
- 15 Gerard's

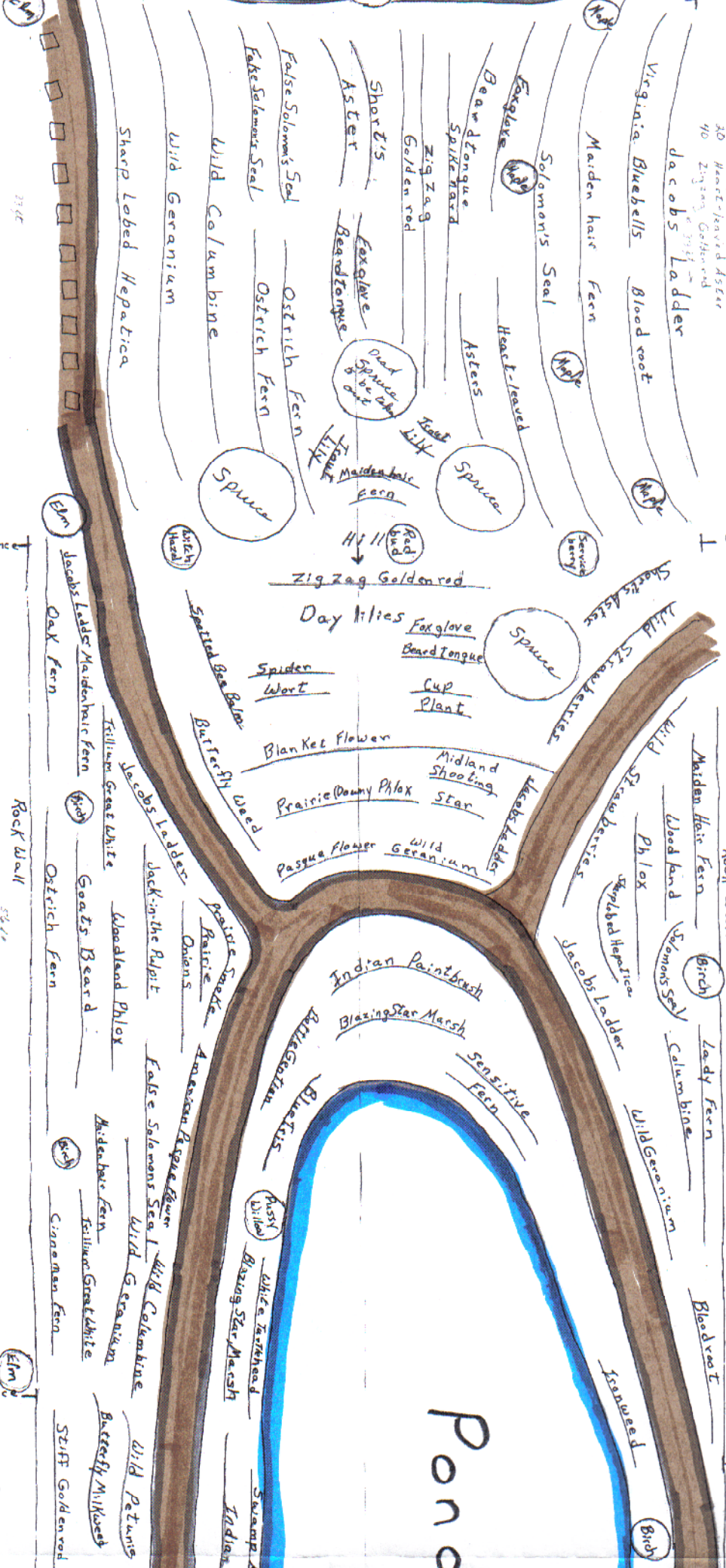
- 10 Ostrich Fern
- 2 Day Lily
- 2 Cinnamon Fern
- 10 Maiden hair Fern
- 10 Goats Beard
- 10 Jacobs Ladder
- 10 Wild Columbine
- 23 Tallium-Great White
- 9 Woodland Plover

- 15 False Solomons Seal
- 10 Prairie Smoke
- 10 American Ragwort
- 10 Prairie Oregano
- 10 Wild Columbine
- 15 Wild Geranium
- 10 Ruddy
- 10 American

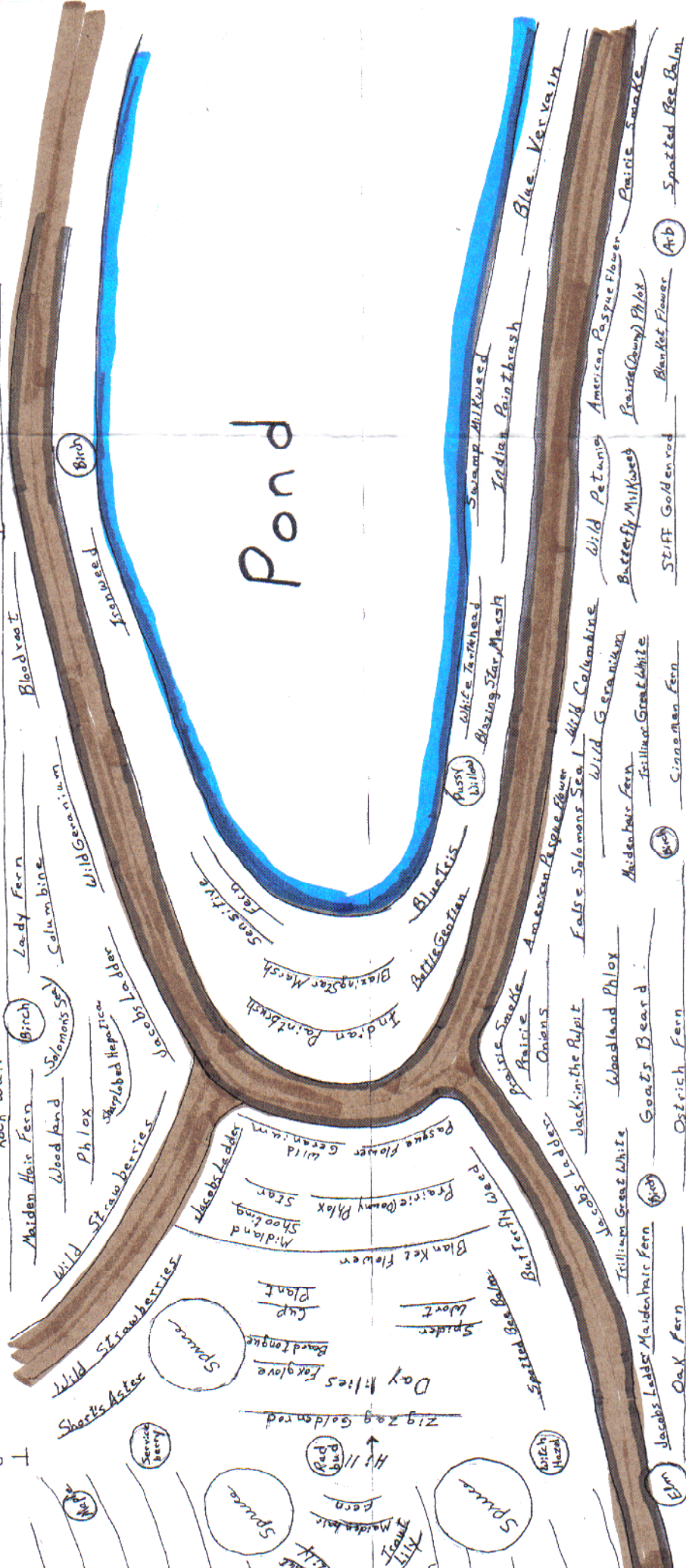
- 6 Swamp Milkweed
- 10 Indian
- 5 Bat's
- 5 Blue
- 10 Hill
- 10 Blue
- 5 Blue
- 12 American

- 6 Swamp Milkweed
- 10 Indian
- 5 Bat's
- 5 Blue
- 10 Hill
- 10 Blue
- 5 Blue
- 12 American

Pond



- 1 Sweeten berry Tree
- 1 Red bud Tree
- 1 White flower Tree
- 1 White hair fern
- 15 Lady Fern
- 15 Woodland Phlox
- 16 Zig Zag Goldenrod
- 2 Sharp leaved Hepatica
- 12 Wild Strawberry
- 7 Short's Aster
- 4 Wild Columbine
- 8 Jacob's Ladder
- 20 Wild Geranium
- 18 Midland Shoofly
- 19 Spotted Bee Balm



- 9 Prairie (Quarry) Phlox
- 8 Blanket Flower
- 13 Prairie Snake
- 9 Spotted Bee Balm
- 6 Swamp Milkweed
- 10 Indian Paintbrush
- 5 Bottle Gentian
- 5 Blue Verbena
- 10 Wild Petunia
- 10 Butterfly Milkweed
- 5 Stiff Goldenrod
- 12 American Pasque
- 15 False Solomon Seal
- 10 Prairie Snake
- 10 American Pasque Flower
- 15 Prairie Onions
- 9 Wild Columbine
- 15 Wild Geranium
- 11 Prairie Star Marsh
- 4 White Turtleneck
- 10 Dutch Fern
- 9 Oak Fern
- 5 Cinnamon Fern
- 12 Maiden Hair Fern
- 10 Jack-in-the-Ripplet
- 10 Woodland Phlox
- 10 Goats Beard
- 9 Ostrich Fern
- 10 Ditch Fern
- 9 Oak Fern
- 5 Cinnamon Fern
- 12 Maiden Hair Fern
- 10 Goats Beard
- 10 Jacob's Ladder
- 13 Tulliam Great White
- 9 Woodland Phlox

Pond

Rock Wall

Cedar Fence

Rock Wall

Rock Wall

Cedar Fence

Cedar Fence

Rock Wall

Rock Wall

Cedar Fence

Chimney Pines Homeowner Association

Pond Area Improvement Project Plant List

Zone 3

<u>Plant Name</u>	<u>18 count flat</u>	<u>Price</u>
Jacobs Ladder	2 flats	\$57.90
Virginia Bluebells	1 flat	28.95
Solomon's Seal	1 flat	38.95
Solomon's Plume	2 flats	77.90
Foxglove Beardtongue	2 flats	57.90
Heart-leaved Aster	1 flat	28.95
Short's Aster	2 flats	57.90
Wild Columbine	2 flats	57.90
Wild Geranium	3 flats	86.85
Sharp Lobed Hepatica	20 plants	199.80
Trout Lily	20 plants	145.00
Spikenard	10 plants	72.50
ZigZag Goldenrod	3 flats	86.85
Wild Blue Phlox	1 flat	28.95
Wild Strawberry	1 flat	28.95
Goats Beard	10 plants	129.90
Jack-in-the Pulpit	1 flat	28.95
Trillium-Great White	10 plants	72.50
Prairie Smoke	2 flats	57.90
American Pasque Flower	2 flats	57.90
Prairie Onions	1 flat	28.95
Midland Shooting Star	1 flat	28.95
Blazing Star, Marsh	1 flat	28.95
Butterfly Weed	1 flat	28.95
Prairie (Downy) Phlox	1 flat	28.95
Spiderwort	1 flat	28.95

Blanket Flower	1 flat	28.95
Spotted Bee Balm	1 flat	\$28.95
Indian Paintbrush	1 flat	28.95
Wild Petunia	1 flat	28.95
White Turtlehead	6 plants	43.50
Swamp Milkweed	6 plants	43.50
Bottle Gentian	5 plants	49.95
Blue Vervain	5 plants	36.25
Stiff Goldenrod	5 plants	36.25
Maidenhair Fern	3 flats	116.85
Ostrich Fern	2 flats	77.90
Lady Fern	1 flat	38.95
Oak Fern	8 plants	58.00
Cinnamon Fern	8 plants	103.92
Pussy Willow	1 shrub	49.99
Witch Hazel	1 tree	39.99
Redbud	1 tree	139.39
Serviceberry	1 tree	129.99
Delivery of Plants		50.00
	Subtotal	\$2,734.48

Yard Waste Paper Bags (5 count)	15	Subtotal	\$35.00
---------------------------------	----	----------	---------

Labor

Work Days (in hours)	154 hours	@ \$18/hr.	\$2,772
----------------------	-----------	------------	---------

(1 session w/ 8 people for 2 hours)

(1 session w/ 7 people for 3 hours)

(6 sessions w/ 4 people for 3 hours)

(5 sessions w/ 3 people for 3 hours)

TOTAL \$5,541.48



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 5. C. - 2018 Cost Share Application - Bergo, 727 7th Street, Chaska, MN

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD received a cost share application for a rain garden at 727 7th Street in Chaska. The homeowner has been working with a professional landscape firm and the Carver County SWCD. The raingarden will be situated next to a public trail and the stormwater from the property drains toward a small waterbody across the trail.

Staff recommends approval of the Cost Share for \$2,500.

Attachments

Cost Share Application

Site Plan and plant list

Location maps

Recommended Action

Motion to authorize 2018 Cost Share for Chimney Pines Homeowners Association



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 _____

Applicant Information

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

Bruce Bergo

Address (street, city and ZIP code):

727 - 7th St. Chaska Mn 55318

Phone: _____ Email address: _____

Primary Contact (if different from above)

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

Bruce Bergo + Kim

Address (street, city and ZIP code):

727 - 7th St. Chaska Mn 55318

Phone: 952-451-1642 Email address: bbergo@comcast.net

Project location

Address (street, city and ZIP code):

across walking path of 727 - 7th St. Chaska Mn 55318

Property Identification Number (PID)

Property Owners:

City of Chaska. permitting Bruce Bergo to do project

Project Summary

Title 1,100 sq. ft. Rain Garden 250 sq. ft. of it Dry.

Total Project Cost \$4,503.46 Grant amount requested \$3,000

Estimated start date 6/1/2018 Estimated completion date 7/1/2018

Is project tributary to a water body? No, water remains on site Yes, indirectly Yes, directly adjacent

Project description:

850 sq. ft of raingarden to catch water run off from homes near by, 250 sq ft. dry native prairie 265 native plants. forbes + grasses. 5 Trees 15 shrubs.

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.

- location map
- project timeline
- site plan & design schematic
- proof of property ownership
- itemized budget or contractor bid
- plant list & planting plan (if project includes plants)

Description

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

mowed grass. along city walking path
Bird feeders.

EDUCATION

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

retain water to purcolate down into subsoil with native plants to clean the water (filter) before entering lake or aquifer Also improving habitat for wildlife, pollinators Butterflys, Birds, hummingbirds. Estheticly eye appealing for Pedestrians.

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

Dave Sticha - main construction, excavating,
612.598.2875

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?

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.

Benefit	Amount	
Water captures	3338	gal/year
Water infiltrated	3338	gal/year
Phosphorus removed	0.1	lbs/year
Sediment removed	20.3	lbs/year
Land restored		sq. ft.

How will you share the project results with your community?

mostly by visual as people walk by to see what the rain garden is doing, especially after a rain. The Benefit results could be added to newspapers or watershed publications.

Are there other projects that could be initiated as a result of this one?
Shoreline Restoration along body of water below rain garden.

Evaluation

How will the project be monitored and evaluated?

observation

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

CITY OF CHASKA -

BRUCE BERGO
727 7TH STREET
CHASKA, MN 55318

Signature

Bruce L Bergo

952-368-9099

Date

3-15-2018

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

(For questions, contact Linda Loomis at NaiadConsulting@gmail.com or call 763-545-4659.)

Mail the completed application to:

or Email to:

Lower Minnesota River Watershed District
c/o Linda Loomis, Administrator
112 E. Fifth St., Suite 102
Chaska, MN 55318

Linda Loomis, Administrator
naiadconsulting@gmail.com

2018 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
Homeowner	planting	15	\$12		\$ 180.00	\$ 180.00
Dave Sticha	excavating				\$ 350.00	\$ 350.00
Dave Sticha	surveying				\$ 1,250.46	\$ 1,250.46
Dave Sticha	consultation					
Dave Sticha	added tile & clave				\$ 60.00	\$ 60.00
Total:				\$ -	\$ 1,840.46	\$ 1,840.46

Project Materials

Material description	Unit Cost	Total # of Units	Requested funds from LMRWD	Matching/In-Kind Funds	Total
Native plants		285	\$ 1,875.00		\$ 1,875.00
Rain Garden Soil Mox	\$ 25.00	10	\$ 250.00		\$ 250.00
Double ground shredded mulch	\$ 28.00	11	\$ 156.73	\$ 151.27	\$ 308.00
Deliveries	\$ 95.00	2		\$ 190.00	\$ 190.00
Tile & Valve		1		\$ 100.00	\$ 100.00
Total:			\$ 2,281.73	\$ 441.27	\$ 2,723.00

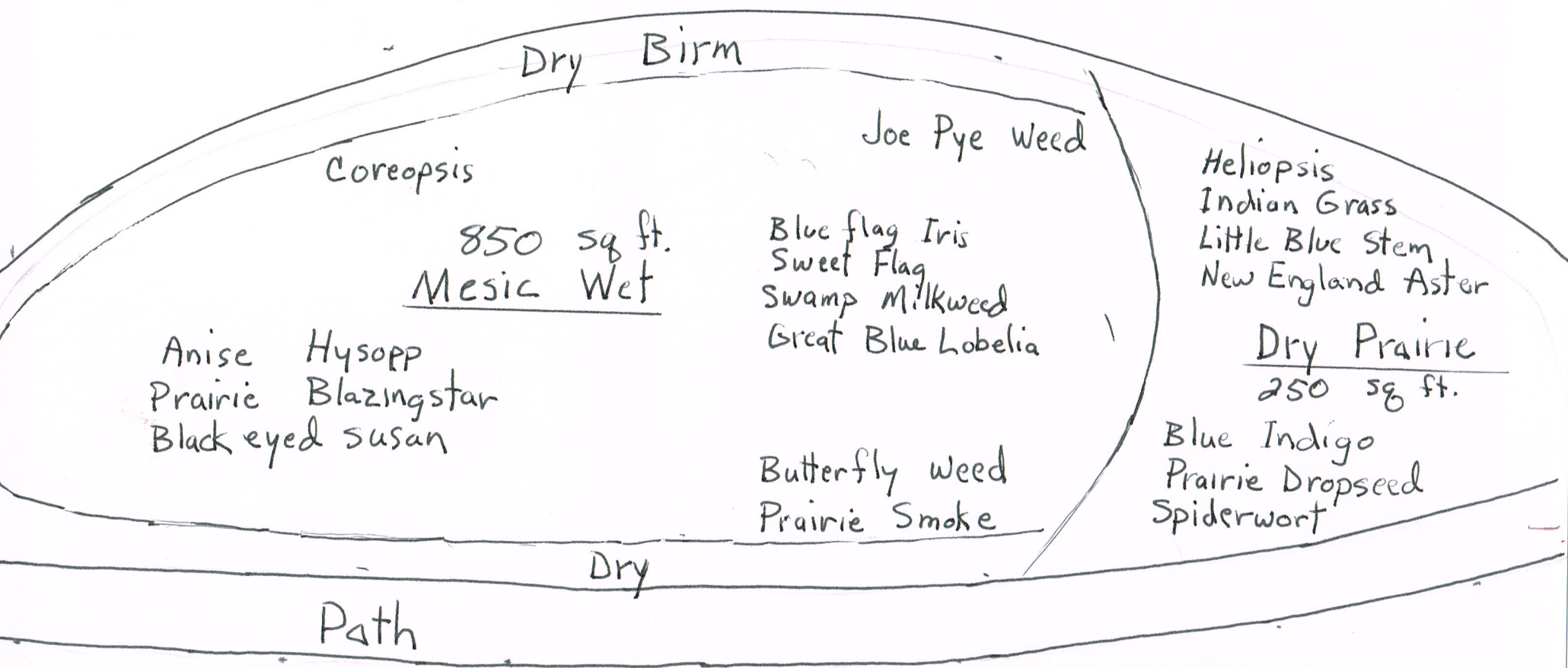
Total Requested Funds from LMRWD*:	<u>\$ 2,281.73</u>	(A)	(\$2500 or 50% of total cost whichever is less)
Total Matchin/In-Kind Funds:	<u>\$ 2,281.73</u>	(B)	
Project Total:	<u>\$ 4,563.46</u>	(C)	

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

LAKE

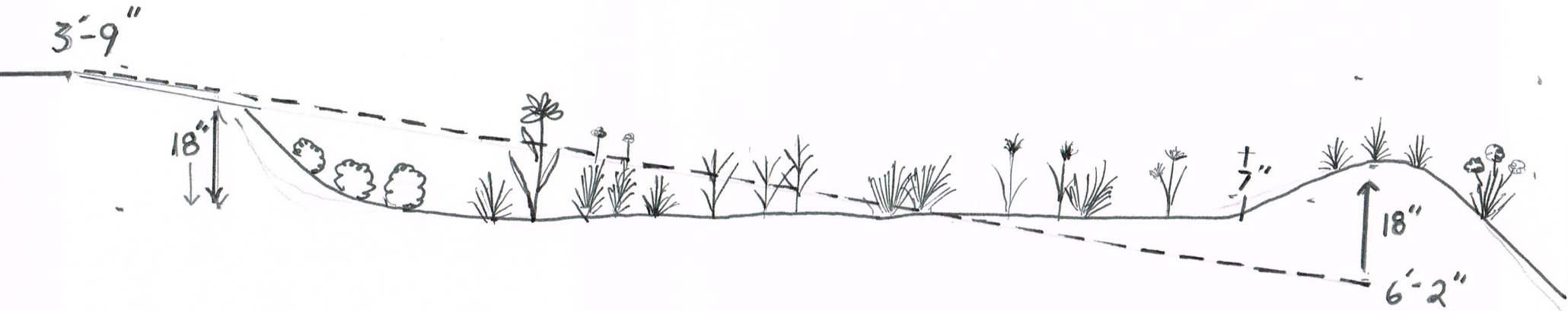
Shrubs on slope to lakes edge.
Trees on each side of raingarden.

60'



Scale 1" = 6'

60' x 21'



Existing soil -----

Elevation Readings 3'-9", 6'-2"

7" Depth of Rain Garden

1" = 2' Scale

D@J Landscaping
 26990, Langford Ave
 New Prague, MN 56071
 none

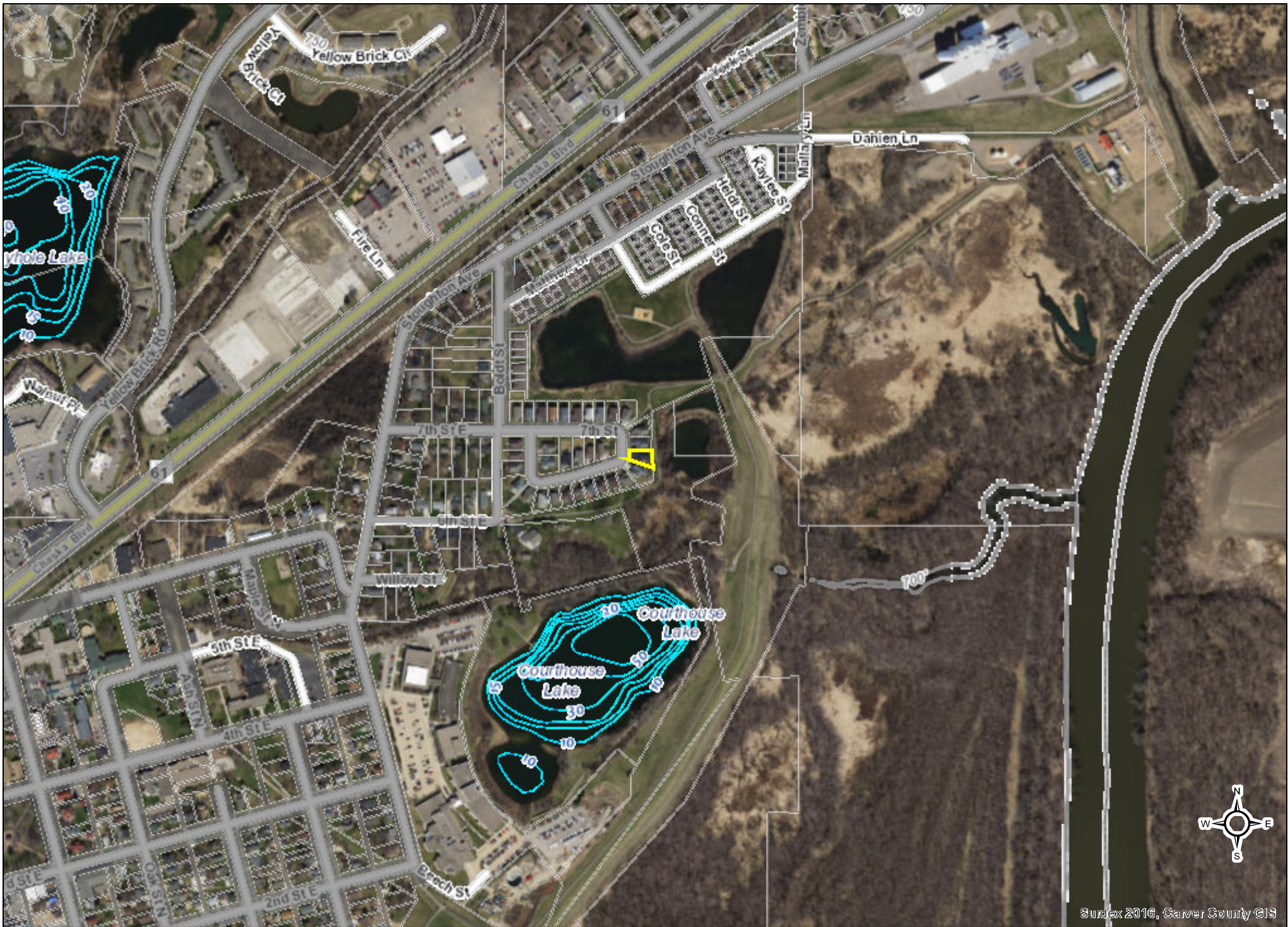
Quote

Customer	Customer Number	2202018
Bruce & Kim Bergo	Quote Date	February 20, 2018
Chaska, mn	Sales Person	
	Expiration Date	March 22, 2018
	Terms	
	Proposal Name	raingarden
	Project Name	
	Proposal Number	2018-443

Version Number 1

SKU	Size/ Unit	Description	Quantity	Unit Price	Extended Price
		Rain Garden mix 50% sand 50% leaf compost	10.00	\$25.00	\$250.00
		double ground shredded mulch, natural	11.00	\$28.00	\$308.00
		deliveries	2.00	\$95.00	\$190.00
	4" pot	NATIVE FORBES AND GRASSES	265.00	\$5.00	\$1,325.00
		Butterfly Weed / Asclepias tuberosa	1.00	\$0.00	\$0.00
		Swamp Milkweed / Asclepias incarnata	1.00	\$0.00	\$0.00
		Blue Flag Iris / Iris versicolor	1.00	\$0.00	\$0.00
		Prairie Blazing Star / Liatris pycnostacha	1.00	\$0.00	\$0.00
		Anise Hyssop / Agastache foeniculum	1.00	\$0.00	\$0.00
		New England Aster / Aster novae-angliae	1.00	\$0.00	\$0.00
		Sweet Blackeyed Susan Rudbeckia subtomentosa	1.00	\$0.00	\$0.00
		Early Sunflower Heliopsis helianthoides	1.00	\$0.00	\$0.00
		Ohio Spiderwort / Tradescatia ohioensis	1.00	\$0.00	\$0.00
		Great Blue Lobelia / Lobelia siphilitica	1.00	\$0.00	\$0.00
		Joe Pye Weed / Eupatorium masculatum	1.00	\$0.00	\$0.00
		Lance leaf Coreopsis / Coreopsis lanceolata	1.00	\$0.00	\$0.00
		Prairie Dropseed / Sporobolus heterolepsis	1.00	\$0.00	\$0.00
		Little Bluestem / Schizachyrium scoparium	1.00	\$0.00	\$0.00
		Indian Grass / Sorgastrum nutans	1.00	\$0.00	\$0.00
		Sweet Flag / Acorus calamus	1.00	\$0.00	\$0.00
		Prairie Smoke / Geum triflorum	1.00	\$0.00	\$0.00

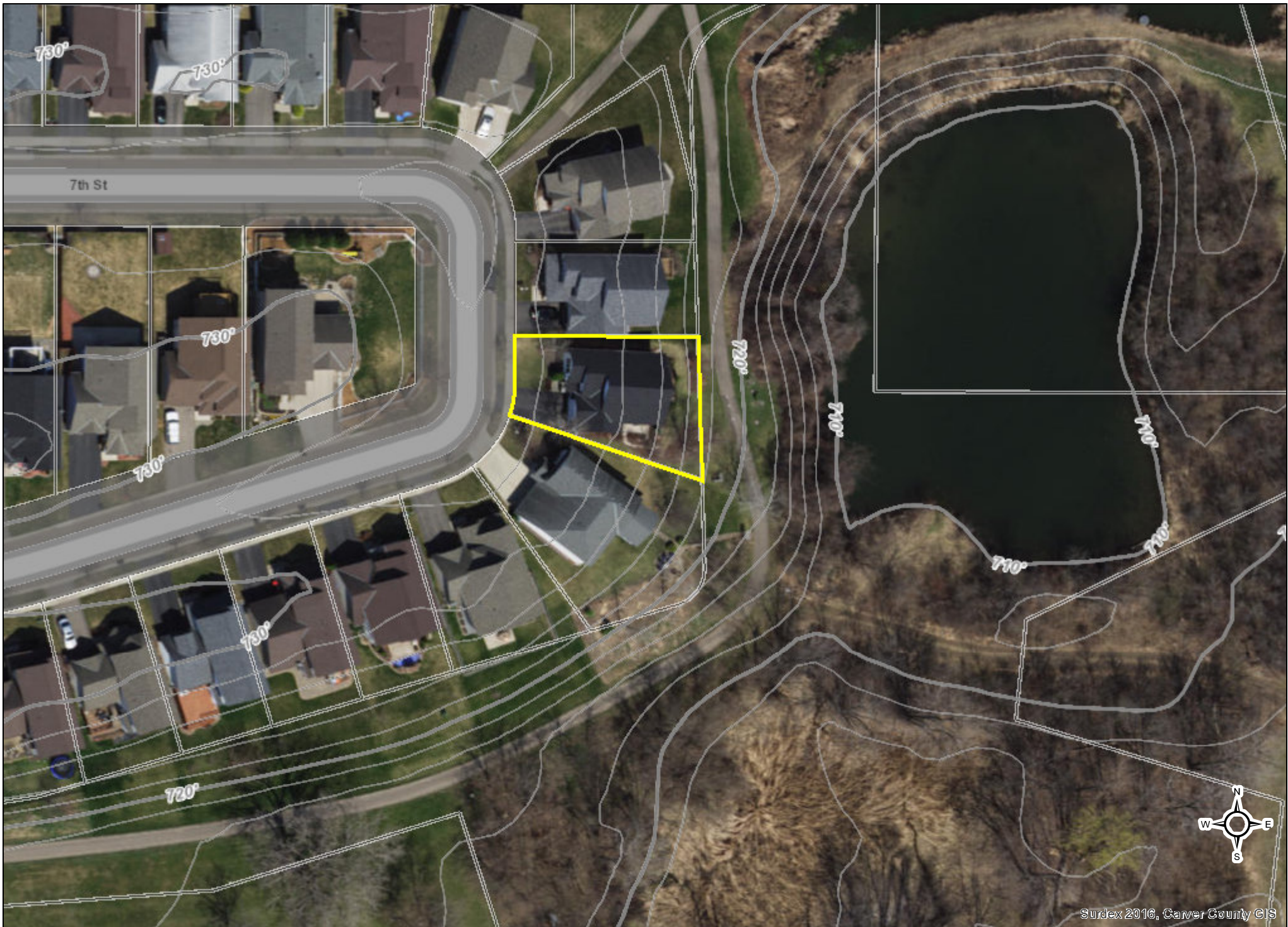
Blue Wild Indigo / Baptisia australis	1.00	\$0.00	\$0.00
SHRUBS	15.00	\$25.00	\$375.00
Gro-Low Fragrant Sumac / Rhus aromatica	1.00	\$0.00	\$0.00
Red Lake Currant / Ribes redlake	1.00	\$0.00	\$0.00
Gooseberry / Ribes pixwell	1.00	\$0.00	\$0.00
Falsespirea / Sorbaria sorbifolia "sem"	1.00	\$0.00	\$0.00
TREES	5.00	\$35.00	\$175.00
American Elderberry / Sambucus canadensis	1.00	\$0.00	\$0.00
Serviceberry (Juneberry) / Amelanchier alnifolia	1.00	\$0.00	\$0.00
Bobcat excavating	1.00	\$350.00	\$350.00
Man Labor	30.00	\$45.00	\$1,350.00
			<hr/>
		Taxable	\$2,623.00
		Tax Exempt	\$1,700.00
		Tax	\$180.46
		Total	\$4,503.46



Surdex 2016, Carver County GIS

This map was created using Carver County's Geographic Information Systems (GIS), it is a compilation of information and data from various City, County, State, and Federal offices. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Carver County is not responsible for any inaccuracies contained herein.

Map Date: 3/18/2018



Surdex 2016, Carver County GIS

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Map Date: 3/18/2018



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. A. - Engineering & Legal Proposals

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD advertised for proposals for legal and engineering services. The deadline for proposals was March 1, 2018. One proposal for legal services was received from the District's current legal adviser, Rinke Noonan.

The District received three proposals for engineering services from, EOR, RESPEC and Young Environmental Consulting Group, LLC. Proposals will be distributed at the Board meeting.

Since only one proposal for legal services was received, staff recommends the Board direct staff to prepare a professional services agreement with Rinke Noonan to come before the Board at the April meeting for authorization.

Since three proposals were received, the Board may wish to review all the proposals before making a decision. The proposal from Young Environmental Consulting Group, LLC is from the LMRWD's current technical services provider. The only difference is that Young Environmental is the primary contact. Engineering services will be provided by Burns & McDonnell and Barr Engineering.

Attachments

Proposals will be provided at meeting.

Recommended Action

Direct staff to prepare professional services agreement between LMRWD and Rinke Noonan



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. B. - Metro-area Watershed Based Funding Pilot Program

Prepared By

Linda Loomis, Administrator

Summary

Discussions are continuing at each of the counties. I received contact from Ramsey County, as a portion of the LMRWD is within Ramsey County. The portion is Pike Island, which is not taxed because it is state owned property and is part of Fort Snelling State Park. I told Ramsey County that the LMRWD did not need to be included in the allocations for Ramsey County. It would be next to impossible to use the funds under the constraints of the pilot program (any funds would have to be spent within Ramsey County). The percent of area of Ramsey County within the LMRWD is also very small, so the allocation would not be significant.

In discussing this with representatives from Ramsey County we decided a decision from the Board would be appropriate. Therefore the Board should adopt the attached resolution.

Attachments

Resolution 18-01 APPROVING RE-ALLOCATION OF LMRWD PORTION OF METRO-AREA WATERSHED BASED FUNDING PILOT PROGRAM WITHIN RAMSEY COUNTY, MN

Recommended Action

Motion to adopt resolution 18-01

_____ introduced the following resolution and moved its adoption:

LOWER MINNESOTA RIVER WATERSHED DISTRICT

RESOLUTION 18-01

RESOLUTION APPROVING RE-ALLOCATION OF LMRWD PORTION OF METRO-AREA WATERSHED BASED FUNDING PILOT PROGRAM WITHIN RAMSEY COUNTY, MN

WHEREAS, the Lower Minnesota River Watershed District ("LMRWD") is a special purpose unit of government, established in accordance with Minnesota Statute 1013D; and

WHEREAS, the Minnesota Board of Water and Soil Resources initiated the Metro-area Watershed Based Funding Pilot Program (WBFPP); and

WHEREAS, the WBFPP intends to allocate Clean Water Funds by County throughout the Seven County Twin Cities Metropolitan Area and distribute the funds based on agreement by eligible Local Governmental Units (LGUs) within each county; and

WHEREAS, the LMRWD is eligible to share funds allocated to Carver, Dakota, Hennepin, Ramsey and Scott Counties; and

WHEREAS, the portion of the LMRWD within Ramsey County is owned by the State of Minnesota and lies within Fort Snelling State Park and as such is non-taxable. It is unlikely the LMRWD would be able to implement a project within the Ramsey County portion of the Watershed under the policies and guidelines of the WBFPP.

NOW, THEREFORE, BE IT RESOLVED by the Board of Managers of the LMRWD that it has determined not to participate in the Metro-area Watershed Based Funding Pilot Program in Ramsey County and that funds that would have been allocated to the LMRWD be re-distributed amongst other eligible LGUs within Ramsey County.

The Motion was seconded by Manager _____ and adopted by a unanimous vote by the Board of Managers of the LMRWD this 21st day of March, 2018.

Yvonne Shirk, President

ATTEST:

David Raby, Secretary/Treasurer



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. C. - Dredge Management

Prepared By

Linda Loomis, Administrator

Summary

- i. **Review process for funding of maintenance of Navigation Channel**
Staff is working on this item.
- ii. **Vernon Avenue Dredge Material Management site**
The LMRWD received payment from Rachel Contracting for the material removed in 2018. Rachel removed 38,475 cubic yards of material in 2017 and sent a check for \$16,929 to the District.

Rachel paid \$8,024.06 in 2015 when it entered into the agreement to purchase material. The payment was for the second half of the material Rachel planned to remove. A survey was made of the stockpile before any material was removed. It was estimated that 36,473 cubic yards of material was available. The prepayment was calculated based on the agreed upon price of \$.44/cy. ($36,473/2 \times \$0.44 = \$8,024.06$). Rachel was reimbursed for the prepayment.

The estimate of 36,473 cy. did not consider that the stockpile sat on about 4 feet of dredge material. This explains why Rachel was able to remove over 38,000 cy in 2017.

LS Marine has received a request from a contractor interested in removing some of the remaining material from the site. The offer is \$2.00/cy and staff is working to obtain the necessary documentation to make the sale.
- iii. **Private Dredge Material Placement**
Riverland Ag has requested that the license agreement be amended to reflect a change in the name of its facility. It will now be known as Savage Riverport, LLC. A Notice and Acknowledgement has been drafted by legal counsel and is attached for Board approval.

Attachments

Report from Rachel
Final survey of dredge site
Amendment to license agreement

Recommended Action

Motion to authorize sale of material
Motion to authorize Notice and Acknowledgement

January 19, 2018

Linda Loomis
Administrator, Lower Minnesota Watershed District
112 E 5th St #102
Chaska, MN 55318
952-856-5880
naiadconsulting@gmail.com

Project Name: Dredge Sand Site – Savage, MN
Regarding: Third Year's (2017) Payment for Materials – Final Payment

Dear Linda,

Enclosed is Rachel Contracting's third year payment for material taken from the site in 2017. Total quantity taken from the site in 2017 amounted to 38,475 CY for total payment of \$16,929.00 (38,475 CY x \$0.44). Below is a monthly summary of material hauled from the site.

<u>August 2017:</u>	<u>2,960 CY</u>
<u>September 2017:</u>	<u>32,702 CY</u>
<u>October 2017:</u>	<u>765 CY</u>
<u>November 2017:</u>	<u>1,040 CY</u>
<u>December 2017:</u>	<u>1,008 CY</u>
<u>Total 2017:</u>	<u>38,475 CY</u>

Please call or email if you have any questions.

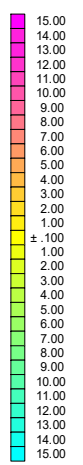
Sincerely,



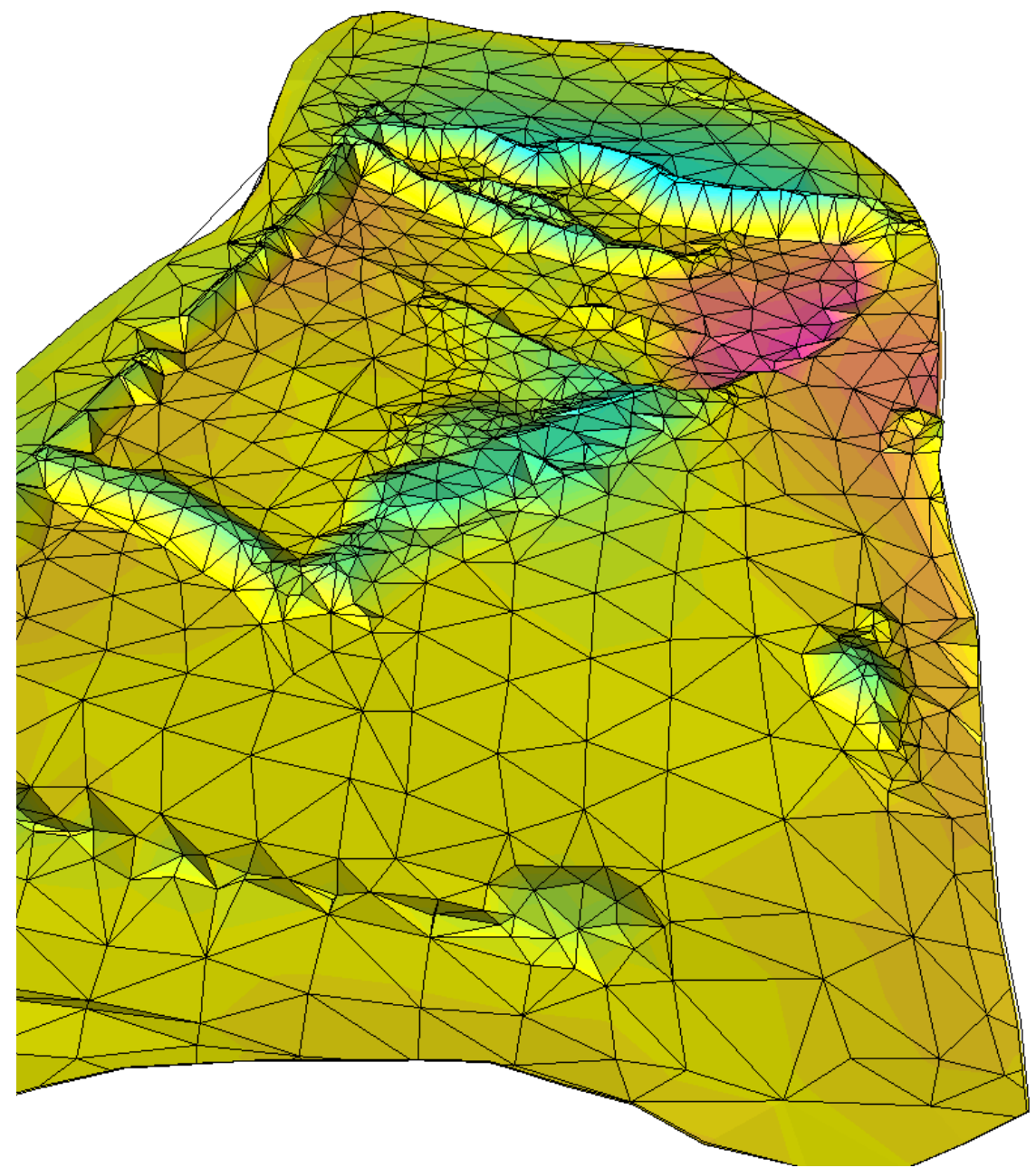
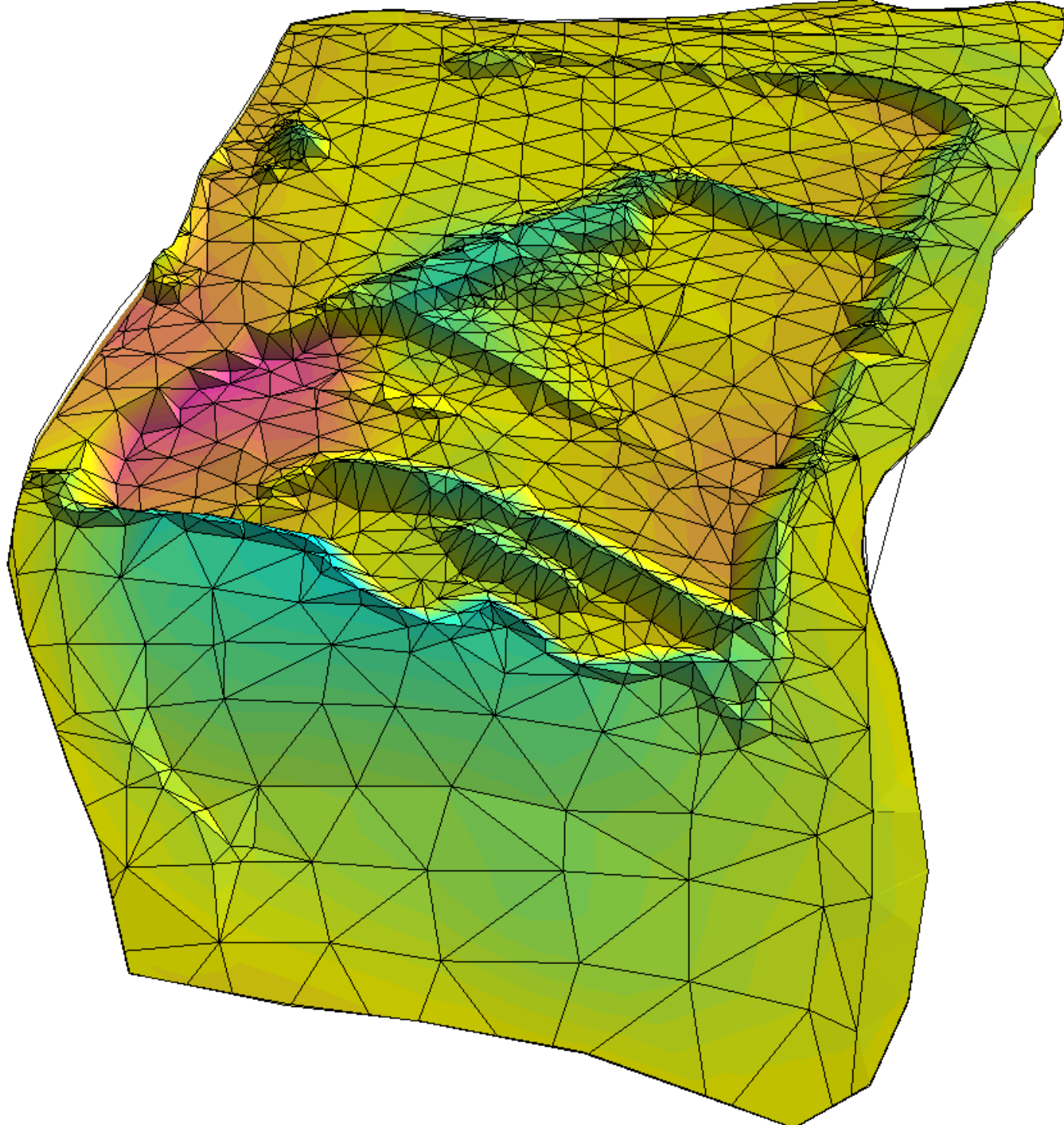
Aaron Berning
Project Manager
Rachel Contracting, Inc.
763-424-1500 (phone)
763-424-1501 (fax)
aberning@rachelcontracting.com

Volume Report
 Design vs. Existing

	Total	Cut	Area		Volume		Comp/Ratio		Compact		Export Import	Change Per .1 Ft
			Fill	OnGrade	Cut	Fill	Cut	Fill	Cut	Fill		
Savage Remaining	184,345	69,975	102,103	12,267	4,991	13,187	1.00	1.00	4,991	13,187	-8,196	683



Approximate Quantity
 Remaining Based on Rachel
 Test Pits Performed June 2017
 & Survey Performed Feb 2018



**NOTICE AND ACKNOWLEDGEMENT OF AND CONSENT TO ASSIGNMENT AND SUCCESSION
UNDER NON-EXCLUSIVE LICENSE AGREEMENT**

This Notice and Acknowledgement is made, and consent requested pursuant to the Amended and Restated Non-exclusive License Agreement by and among the Lower Minnesota River Watershed District ("Licensor") and Cargill, Incorporated ("Cargill"), Riverland Ag Corporation ("Riverland") and CHS, Inc. ("CHS") (individually "Licensee" and collectively, "Licensees"), effective December 13, 2017. The assignment and succession requested herein is effective this ___ day of _____, 2018

Witnesseth

Whereas, Cargill, Riverland and CHS entered into an Amended and Restated Non-Exclusive License Agreement effective December 13, 2017 ("2017 Agreement"); and

Whereas, paragraph 17 of the 2017 Agreement provides that the Agreement binds and inures to the benefit of the Licensor and each of the Licensees thereto and their respective heirs, successors and assigns; and

Whereas, paragraph 17 of the 2017 Agreement further provides that no party shall assign this Agreement without the prior written consent of each other party; and

Whereas, Riverland seeks to assign its interest in the 2017 Agreement to and be succeeded by Savage Riverport, LLC; and

Whereas, Savage Riverport, LLC, is a Delaware Limited Liability Company in good standing to operate in the State of Minnesota pursuant to Minnesota statutes chapter 322C; and

Whereas, Savage Riverport, LLC, seeks to become the assignee of and successor in interest to Riverland Ag Corporation in the 2017 Agreement referenced above; and

Whereas, prior to the effective date of any assignment and succession, Savage Riverport, LLC, shall furnish Licensor copies of insurance certificates evidencing that it maintains the coverages required by paragraph 10 of the 2017 Agreement; and

Whereas, Savage Riverport, LLC, shall include Licensor as an additional insured on its general liability policy; and

Whereas, prior to the effective date of any assignment and succession, Savage Riverport, LLC, shall obtained financial assurance as required by paragraph 11 of the 2017 Agreement and provide evidence of such financial assurance to Licensor and each other Licensee; and

Whereas, Savage Riverport, LLC, acknowledges its rights and obligations as an assignee and successor under the 2017 Agreement, once effective; and

Whereas, Notices to Savage Riverport, LLC, shall be made as follows:

Savage Riverport, LLC
1660 South Highway 11
Suite 350
St. Louis Park, MN 55416
Attn: Mark Kucala; and

Whereas, this notice, acknowledgement and consent may be executed in counterparts with the first date of signature of any Licensee being the Effective Date of this agreement to be added above by Licensor upon received on the conditioned items noted herein.

Now, therefore, consents to assignment and succession are given as follows:

LOWER MINNESOTA RIVER WATERSHED
DISTRICT

Dated: _____

By _____
Its _____

CARGILL, INCORPORATED

Dated: _____

By _____
Its _____

CHS, INC.

Dated: _____

By _____
Its _____

And, further, acknowledgement is given as follows:

SAVAGE RIVERPORT, LLC

Dated: _____

By _____
Its _____



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. D. - Watershed Management Plan

Prepared By

Linda Loomis, Administrator

Summary

Staff will present the comments received since the holding the TAC and public meetings at a workshop preceding the Board meeting. Managers will need to provide direction to staff in order for responses to comments to be prepared in advance of re-convening the public hearing. Formal action will need to be taken at the Board meeting on any direction determined at the workshop.

The Board should determine what direction to take regarding Ike's Creek. Several comments asked that Ike's Creek be given special status as a High Value Resource, since it has a self sustaining population of trout. The DNR determined that Ike's Creek not be listed as a trout stream by the DNR. One reason for the determination by the DNR was that the Creek has protection under the LMRWD Watershed Management Plan. Staff has been meeting with the US Fish & Wildlife Service to determine an appropriate monitoring protocol for Ike's Creek. It is the only trout stream found in Hennepin County.

In addition, there continues to be requests for meetings from the cities and Savage has requested a public meeting, which has been scheduled for Tuesday, April 3, from 5:30 to 7:00 PM. The District has run to against the amount of the increase in the previous task order and Burns & McDonnell has asked the Board to amend the task order. The District spent \$134,417.68 in 2017 on legal and engineering for the Plan Amendment. Of that \$93,543.78 was for engineering & technical services. The District spent \$3,737.03 on engineering & technical services related to the Plan Amendment in 2016.

The original task order was executed in October 2016 and was for \$38,515. The first amendment to the task order was in February 2017 and was for \$20,240. The first amendment occurred because there was a need for an additional TAC meeting and several meetings with individual cities.

The second amendment was in September 2017 for \$10,000 (basically a stop gap in order to continue work on the amendment) and the third was in October 2017 for \$41,840. The second and third amendments to the task order were because of additional meetings with individual cities. The fourth task order is for \$29,197. This covers the public meetings, additional meetings with cities and the extension of the whole plan process due to the continuation of the public hearing. Staff expects this will be the last request for an increase unless something unexpected happens.

Attachments

Task Order Amendment #4

Recommended Action

Provide direction to staff regarding response to comments
Call for re-convening the public hearing and provide public notice
Determine direction for Ike's Creek
Motion to authorize Task Order amendment #4

Memorandum



Date: March 14, 2018

(Email transmittal)

To: Linda Loomis, Administrator

From: Jeff Thuma, Project Manager

Subject: Watershed Management Plan – Major Amendment Project Task Order
Watershed Management Plan – Major Amendment Project Task Order
Watershed Management Plan – Major Amendment Project Task Order (Change Order #4)

The Lower Minnesota River Watershed District (District) intends to amend its Watershed Management Plan (Plan). The Plan amendment is in response to requests from the technical advisory committee (TAC) and the fact that most of the municipalities within and adjacent to the District and adjacent watershed organizations are updating their water governance documents.

The original Task Order for this work was approved and dated October 17, 2016, and was amended with Change Order #1 on June 2, 2017. Change Order #2 partially funded Task 6 on September 28th, 2017. Change Order #3 added additional funding for task 6. Since that time, the Task 6 scope of work has been expanded and is described below.

Task 6: Plan Approval which includes logging and responding to comments on the 60-day draft plan, receiving comments at the public hearing, and finalizing the Plan was not included original task order because of the unknowns associated with the quantity of comments the District could receive from the Board of Water and Soil Resources (BWSR), other states review agencies and cities. The 60-day Draft Plan comment period closed on September 20, 2017. Below is a summary of the sub-tasks, deliverables and cost estimate.

- a. 60-day Draft Plan Comment Review and Resolution
 - i. The Consultant will address comments received and log the responses.
 - ii. The Consultant will meet with the Project team and the Board to finalize the comments/responses.

At the close of the 60-day Draft Plan comment period, the District had received 341 total comments (48 from Review Agencies, 170 for Cities, 30 from Counties and 93 from Residents). The comments were logged, responses drafted, and the Comment/Response Log provided to the District on October 15, 2017 to distribute to commenters. The Project team held two (2) meetings and a board workshop to discuss the comments and strategies for addressing them.

Deliverables: 60-day Draft Comment/Response Log

- b. Meetings with Cities of Eden Prairie and Bloomington, BWSR and Scott County
The Consultant attended three meetings with cities (two with the City of Bloomington and one with the City of Eden Prairie), one meeting with BWSR and one meeting is planned with Scott County. The meetings with the cities were requested by them to help the District better understand their concerns with the proposed standards and potential gaps that would need to be addressed to

Memorandum (cont'd)

March 14, 2018
Page 2

help them implement the standards, once approved. The meeting with BWSR was requested by District staff to give BWSR a progress report and to address potential questions or concerns. And finally, a meeting with Scott County is planned to discuss their comments on the proposed Floodplain Standard and Dredge Site Restoration Project.

Deliverables: Meeting Summaries

c. Public Hearing Submittal, Revisions, and Response

The District hosted a public hearing on October 25, 2017 with the support of The Consultant. Comments made at the public hearing were transcribed by the District and provided to the Consultant. The Consultant reviewed responses and drafted initial responses. The District continued the public hearing and hosted informational meetings in the Cities of Bloomington, Eden Prairie and Burnsville. Before the informational meetings, the Managers directed District staff (which includes The Consultant) to review and revise the Draft Bluff Standard using the mission and purpose of the District as a guide, while considering the concerns express by residents, municipal staff, and elected officials. District staff modified the Draft Bluff Standard and it was approved at the December 2017 board meeting for discussions with the technical advisory commission (TAC). District Staff hosted a meeting with the TAC in January 2018 and solicited comments on the modified Draft Bluff Standard. District staff also completed and distributed the Draft Statement of Need and Reasonableness (SONAR) report, and met separately with the cities of Burnsville, Shakopee, Savage, Carver and the Minnesota Department of Natural Resources.

Formal comments from the TAC will be compiled and responses added to the Comment/Response Log. The modification to the Bluff Standard (amending the regulated areas and the overlay district) and the inclusion of Ike's Creek as a potential District Recognized Trout Stream, required additional mapping assistance.

The following are the remaining sub-tasks.

- i. The District will host two managers workshops, one in March 2018 and one in May 2018 to review general responses to comments and the capital improvement projects.
- ii. The District will host an informational meeting in the city of Savage.
- iii. The District will host a public hearing (to close the continued hearing) in April 2018 with support from The Consultant.
- iv. The Consultant will finalize the SONAR.
- v. The Consultant will address comments received, revisit previous comments and

Memorandum (cont'd)

March 14, 2018
Page 3

log/modify the responses.

- vi. The Consultant will meet with the Project team to finalize the comments/responses.

Deliverables: Comment/Response Log, Maps and Comment Sheets

d. Final Draft 90-day Plan

- i. The Consultant will finalize the Plan according to the comments and resolutions compiled under the above action.
- ii. The Consultant will attend a Board meeting to submit the final plan for Approval.
- iii. The Consultant will prepare the final copy and electronic submittal products for submission to BWSR.
- iv. The Consultant will assist the District with submittal of the Draft Final 90-day Plan to the BWSR for review.

Deliverables: Comment/Resolve Plan with changes tracked, Transmittal letter and Final Draft 90-day Plan

Task Description	Estimate
Task 1: Project Team Kick-off Meeting	No Change
Task 2: Project Team Coordination Meetings	No Change
Task 3: Stakeholder Meetings	No Change
Task 4: Complete Initial Draft Plan	No Change
Task 5: Board Presentation of Initial Draft Plan	No Change
Task 6: Plan Approval	
6.1. 60-day ¹⁶ Draft Plan Comment Review and Resolution	No Change
6.2. Meetings with Cities of Eden Prairie and Bloomington, BWSR and Scott County	No Change
6.3. Public Hearing Submittal, Revisions, and Response	\$29,197
6.4. Final Draft 90-day Plan	No Change
Total Change Order #4	\$29,197
Total Project Authorization	\$139,792

Memorandum (cont'd)



March 14, 2018
Page 4

If you find this scope and cost estimate to be acceptable, please complete the signature block below and return the executed copy of this proposal to the Consultant, as notice to proceed. Services will be provided in accordance with the Agreement between the Lower Minnesota River Watershed District and Burns & McDonnell Engineering Company, Inc., executed on November 16, 2016.

**Accepted and Agreed to: Watershed Management
Plan – Major Amendment Project Task Order
(Change Order #4)**

CLIENT
Lower Minnesota River Watershed District

CONSULTANT
Burns & McDonnell Engineering Company, Inc.

By: _____

By: _____

Name: _____

Name: Jeffrey J. Thuma

Title: _____

Title: Senior Hydrogeologist/ Regional Manager



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. E. - 2018 Legislative Action

Prepared By

Linda Loomis, Administrator

Summary

This has turned out to be an interesting year at the legislature. The LMRWD has had to be more reactive than active. Representative Loon has proposed legislation (HF 3603) that would amend statute 103D to provide more city input into Watershed Management Plans. This is a reaction from the city of Eden Prairie to the LMRWD Watershed Management Plan Amendment and would affect all watershed districts throughout the State. Lisa Frenette has been in touch with Rep. Loon to discuss her bill. The proposed bill is redundant of what is already required in statute and would basically add to statute 103D language that is already in statutes 103B (which is specific to metro-area watershed management organizations).

In addition, bill HF3805 has been introduced by Representative Josh Heintzeman (SF3379/Draheim) which would also amend statute 103D. This bill would add several subdivisions to statute 103D.341. The bill would require County Commissioners appointing managers to watershed district board to endeavor to appoint one manager with experience in real estate investment, development or construction. It would require additional reporting of fees paid by watershed district for legal and engineering fees. It would require the preparation of a Statement of Need and Reasonableness (SONAR) before amending or adopting rules. It would require additional notifications of residents, cities, counties and other before amending or adopting rules and provides a city the ability to opt out of enforcing watershed rules. It defines more specific preexisting water rights; further defines landowners due process and adds an appeals process.

MAWD has been tracking both these bills and will meet with the bill's authors, along with Lisa; to see if they would be willing to modify the bills. It might be worthwhile for Managers to attend the April Metro MAWD meeting to urge managers from other watershed district to connect with their legislators and talk over this legislation with them.

Lisa will be working to schedule a time for she and I to meet with legislators to discuss LMRWD specific issues with them. We have tentatively set April 12th as the date.

Attachments

HF 3603/No companion bill in the Senate

HF 3805/SF3379

Recommended Action

No action recommended

This Document can be made available
in alternative formats upon request

State of Minnesota

HOUSE OF REPRESENTATIVES

NINETIETH SESSION

H. F. No. 3603

03/12/2018 Authored by Loon
The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance

1.1 A bill for an act
1.2 relating to water; modifying watershed district planning requirements; amending
1.3 Minnesota Statutes 2016, sections 103D.401, subdivision 3; 103D.405, subdivision
1.4 4.

1.5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.6 Section 1. Minnesota Statutes 2016, section 103D.401, subdivision 3, is amended to read:

1.7 Subd. 3. **Director's ~~and~~, Metropolitan Council's, and municipality's**
1.8 **recommendations.** After receiving the watershed management plan, the director and the
1.9 Metropolitan Council must review and make recommendations on the watershed management
1.10 plan. The governing body of a municipality affected by the watershed management plan
1.11 may make recommendations on the plan to the watershed district and notify affected property
1.12 owners. By 60 days after receiving the plan, the director and the Metropolitan Council must
1.13 send their recommendations on the watershed management plan to the board and a copy to
1.14 the managers of the watershed district, the county auditor of each county affected by the
1.15 watershed district, the governing bodies of all municipalities affected by the watershed
1.16 district, and soil and water conservation districts affected by the watershed district. The
1.17 board may extend the period for review and transmittal of the recommendations.

1.18 Sec. 2. Minnesota Statutes 2016, section 103D.405, subdivision 4, is amended to read:

1.19 Subd. 4. **Director's ~~and~~, Metropolitan Council's, and local government's**
1.20 **recommendations.** The director and the Metropolitan Council, if applicable, must review
1.21 and make recommendations on the revised watershed management plan. A county board
1.22 or a governing body of a municipality affected by the revised watershed management plan
1.23 may make recommendations on the plan to the watershed district and notify affected property

2.1 owners. By 60 days after receiving the revised watershed management plan unless the time
2.2 is extended by the board, the director and the council must send the recommendations on
2.3 the revised watershed management plan to the board, and a copy of the recommendations
2.4 to the managers, the county auditor of each county affected by the watershed district, the
2.5 governing body of each municipality affected by the watershed district, and soil and water
2.6 conservation districts affected by the watershed district.

This Document can be made available in alternative formats upon request

State of Minnesota
HOUSE OF REPRESENTATIVES
NINETIETH SESSION

H. F. No. 3805

03/14/2018 Authored by Heintzeman
The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance

1.1 A bill for an act
1.2 relating to natural resources; modifying provisions for watershed districts; amending
1.3 Minnesota Statutes 2016, sections 103D.311, subdivision 2; 103D.335, by adding
1.4 a subdivision; 103D.341, subdivisions 2, 3; 103D.515, subdivision 1; 103D.521;
1.5 103D.537.

1.6 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.7 Section 1. Minnesota Statutes 2016, section 103D.311, subdivision 2, is amended to read:

1.8 Subd. 2. **Appointment.** (a) At least 30 days before the terms of office of the first
1.9 managers named by the board expire, the county commissioners of each county responsible
1.10 for appointing a manager to the watershed district must meet and appoint successors.

1.11 (b) The county commissioners must meet at least 30 days before the term of office of
1.12 any manager expires and appoint a successor.

1.13 (c) A vacancy occurring in an office of a manager must be filled by the appointing county
1.14 board. The managers must advise the county commissioners in writing within ten days after
1.15 a manager retires, ceases to attend meetings, or otherwise vacates the position on the board.

1.16 (d) Appointing county boards shall provide public notice before making appointments.
1.17 Published notice must be given at least once by publication in a newspaper of general
1.18 circulation in the watershed district at least 15 days before an appointment or reappointment
1.19 is made. The notice must state that persons interested in being appointed to serve as a
1.20 watershed district manager may submit their names to the county board for consideration.

1.21 (e) The county commissioners must endeavor to appoint at least one manager that has
1.22 experience or a background in real estate investment or development or in construction.

2.1 Sec. 2. Minnesota Statutes 2016, section 103D.335, is amended by adding a subdivision
2.2 to read:

2.3 Subd. 26. **Engineer and legal fees.** The managers must require annual public reporting
2.4 of engineer fees and legal fees reimbursed by landowners and an annual summary of all
2.5 engineer fees and legal fees paid by the watershed district. The managers must review the
2.6 fees to determine if the fees are reasonable.

2.7 Sec. 3. Minnesota Statutes 2016, section 103D.341, subdivision 2, is amended to read:

2.8 Subd. 2. **Procedure.** (a) The managers must prepare and review a statement of need and
2.9 reasonableness, as described in section 14.131, before adopting or amending rules. The
2.10 statement of need and reasonableness must be made available for public review at least 45
2.11 days before the date set for a hearing on the rules. Rules of the watershed district must be
2.12 adopted or amended by a majority vote of the managers, after public notice and hearing.
2.13 Rules must be signed by the secretary of the board of managers and recorded in the board
2.14 of managers' official minute book.

2.15 (b) ~~Prior to~~ Before adoption, the proposed rule or amendment to the rule must be
2.16 submitted to the board for review and comment. The board's review ~~shall be~~ is considered
2.17 advisory. The board ~~shall have~~ has 45 days from receipt of the proposed rule or amendment
2.18 to the rule to provide its comments in writing to the watershed district.

2.19 (c) At least 45 days before the date set for a hearing on the rules or amendments, the
2.20 managers must mail a copy of all proposed rules or amendments to the rule shall also be
2.21 ~~noticed~~ for review and comment to:

2.22 (1) all public transportation authorities that have jurisdiction within the watershed district
2.23 at least 45 days prior to adoption. The public transportation authorities, which have 45 days
2.24 from receipt of the proposed rule or amendment to the rule to provide comments in writing
2.25 to the watershed district;

2.26 (2) all persons who have held permits issued under section 103D.345 within the last five
2.27 years;

2.28 (3) all parties that have consulted with the watershed district in the last 12 months about
2.29 upcoming projects; and

2.30 (4) all landowners directly impacted by an increase in wetland buffer setback
2.31 requirements, when applicable.

3.1 ~~(e)~~ (d) For each county affected by the watershed district, the managers must publish a
 3.2 notice of hearings and adopted rules in one or more legal newspapers published in the county
 3.3 and generally circulated in the watershed district. The managers must also provide written
 3.4 notice of adopted or amended rules to public transportation authorities that have jurisdiction
 3.5 within the watershed district. The managers must file adopted rules with the county recorder
 3.6 of each county affected by the watershed district and the board.

3.7 ~~(d)~~ (e) The managers must mail a copy of the rules to the governing body of each
 3.8 municipality affected by the watershed district.

3.9 (f) The rules are effective no earlier than 120 days after adoption.

3.10 Sec. 4. Minnesota Statutes 2016, section 103D.341, subdivision 3, is amended to read:

3.11 Subd. 3. **Notification for rule that affects city.** A rule or resolution that affects land or
 3.12 water within the boundaries of a city is not effective within the city's boundaries ~~until~~ unless
 3.13 the governing body of the city is notified: 45 days before adoption and the city does not
 3.14 object within 30 days to the adoption of the rule or resolution. If the city objects, the managers
 3.15 must meet and confer with the city to reasonably resolve the objection before the rule or
 3.16 resolution is adopted. If the managers are unable to resolve the objection after meeting and
 3.17 conferring with the city, the managers may adopt the rule or resolution and the city may
 3.18 opt out of enforcing the rule or resolution within the city's jurisdiction.

3.19 Sec. 5. Minnesota Statutes 2016, section 103D.515, subdivision 1, is amended to read:

3.20 Subdivision 1. **Preexisting water rights recognized.** (a) The rights of private or corporate
 3.21 landowners to use the waters of the watershed district for any purpose continue as the rights
 3.22 existed at the time of the organization of the watershed district.

3.23 (b) The managers may not adopt or enforce rules that:

3.24 (1) require a perpetual, private or public declaration of maintenance, a declaration of
 3.25 easement, or an easement to be recorded against the landowner's title that obligates the
 3.26 landowner and the landowner's successors in title to perform tasks and functions in addition
 3.27 to those provided specifically in the watershed rules;

3.28 (2) create any wetland buffer, together with any side slope, grade, or other required
 3.29 setback, that exceeds a cumulative 25 feet;

3.30 (3) prohibit buffer averaging;

4.1 (4) prohibit reasonable activities in the buffer zones, including tree removal, grading,
4.2 restoration, creation of walkways and paths, or grading for adjacent storm ponds or facilities;

4.3 (5) require the landowner to demonstrate that the landowner's facilities or structures will
4.4 not have an adverse impact on local groundwater or natural resources or any other
4.5 immeasurable, arbitrary, or subjective standard;

4.6 (6) impose requirements or manage the watershed to mimic presettlement or
4.7 predevelopment hydrologic conditions;

4.8 (7) require recording in the office of the county registrar or recorder any declarations or
4.9 instruments before issuing a permit to perform or construct the permitted work;

4.10 (8) require the landowner to provide both floodplain replacement volume and water
4.11 storage capacity duplicative of the provided storm water ponding capacity;

4.12 (9) limit the availability of variances by adopting variance standards that require a
4.13 demonstration of undue hardship, prohibit consideration of economic hardship, prohibit
4.14 consideration of property-specific situations that might be created by the landowner, or
4.15 otherwise limit the landowner to a standard more difficult than the practical difficulty
4.16 standard of review;

4.17 (10) unreasonably deny or terminate a landowner's permit rights without due process;

4.18 (11) require the landowner to pay the watershed district's legal fees or engineer fees
4.19 without the ability to object and appeal the fees to the managers for review; or

4.20 (12) adopt by reference best management practices located on a Web site or hyperlink
4.21 that can randomly and suddenly change with new and subjective content not approved by
4.22 a rule or resolution of the watershed district.

4.23 Sec. 6. Minnesota Statutes 2016, section 103D.521, is amended to read:

4.24 **103D.521 RIGHTS ASSURED DUE PROCESS OF LAW.**

4.25 (a) A person may not be deprived or divested under this chapter of a previously
4.26 established beneficial use or right without due process of law.

4.27 (b) The managers may not adopt or enforce rules that deprive or divest a private or
4.28 corporate landowner of the use of existing water rights and use of existing water conditions
4.29 on an owner's property relating to storm water runoff, infiltration, drainage, ponding, or
4.30 flood relief, without payment of adequate compensation.

5.1 Sec. 7. Minnesota Statutes 2016, section 103D.537, is amended to read:

5.2 **103D.537 APPEALS OF RULES, PERMIT DECISIONS, AND ORDERS;**
 5.3 **EVIDENTIARY BASIS; APPEALS.**

5.4 (a) An order or permit decision of the watershed district or a decision on appeal must
 5.5 be based on the record made in the proceeding together with any other relevant evidence
 5.6 or affidavits provided by the parties.

5.7 ~~(a)~~ (b) Except as provided in section 103D.535, an interested party may appeal a permit
 5.8 decision or order made by the managers, or staff enforcement of any provision of the
 5.9 watershed plan or watershed rules by a declaratory judgment action brought under chapter
 5.10 555. The decision on appeal must determine whether the watershed district's action or
 5.11 requirement is unreasonable by a preponderance of the evidence. An interested party may
 5.12 appeal a rule made by the managers by a declaratory judgment action brought under chapter
 5.13 555 or by appeal to the board. ~~The decision on appeal must be based on the record made in~~
 5.14 ~~the proceeding before the managers.~~ An appeal of a permit decision or order must be filed
 5.15 within ~~30~~ 180 days of the managers' decision, except that an appeal of staff enforcement
 5.16 or interpretation of the watershed district rules may be brought:

5.17 (1) at any time during the permit application process;

5.18 (2) when the permit is issued or denied;

5.19 (3) when a variance request is granted or denied;

5.20 (4) after a permit is issued; or

5.21 (5) while the permit is active.

5.22 ~~(b)~~ (c) In addition to the authorities identified in paragraph (a), a public transportation
 5.23 authority may appeal a watershed district permit decision to the board. The board shall,
 5.24 upon request of the public transportation authority, conduct an expedited appeal hearing
 5.25 within 30 days or less from the date of the appeal being accepted.

5.26 ~~(e)~~ (d) By January 1, ~~2005~~ 2020, the board ~~shall~~ must adopt reasonable rules governing
 5.27 appeals to the board under paragraphs (a) and (b), but must not limit a landowner's right to
 5.28 seek immediate judicial relief. A decision of the board on appeal is subject to judicial review
 5.29 under sections 14.63 to 14.69. The rules authorized in this paragraph are exempt from the
 5.30 rulemaking provisions of chapter 14 except that ~~section~~ sections 14.131 and 14.386 applies
 5.31 and apply.

6.1 (e) The proposed rules must be submitted to the members of senate and house of
6.2 representatives environment and natural resource and transportation policy committees at
6.3 least 30 days ~~prior to~~ before being published in the State Register. The amended rules are
6.4 effective for two years from the date of publication of the rules in the State Register unless
6.5 they are superseded by permanent rules.



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6.F. - Website Redesign

Prepared By

Linda Loomis, Administrator

Summary

The new website is live! Not all pages are yet active, as it is still a work in progress and content is still being developed. The old site is still active and will be shut down shortly. Visitors will be redirected to the new site once the old site is shut down. The old domain name will continue to be registered to the LMRWD. Apparently, the reason the domain "watersheddistrict.org" was chosen was to indicate that it was the first watershed district in the state.

This item will be removed from future agendas.

Please let me know if you see anything that you think should be changed.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. G. - Education & Outreach

Prepared By

Linda Loomis, Administrator

Summary

- i. **Education & Outreach Coordinator**
The LMRWD advertised for a consultant to provide Education & Outreach services to the District when it advertised for engineering and legal services. The proposals received from RESPEC and EOR both included education and outreach qualifications in their proposals.
- ii. **Friends of the MN Valley/LMRWD collaboration** - no change since last update
- iii. **Citizens Advisory Committee** - no change since last update

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. H. - LMRWD Projects

Prepared By

Linda Loomis, Administrator

Summary

- i. **Eden Prairie Area #3 Stabilization**
No change since last update
- ii. **Riley Creek Cooperative project Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project**
Construction has begun on this project and was started at Riley Creek. Staff attended a pre-construction meeting and is now working with the county to implement the District's project south of Flying Cloud Drive. The County would like the District to work with the Contractor, Ames Construction directly.
- iii. **Floodplain Lake Coring Project with Freshwater Society**
No change since last update
- iv. **Seminary Fen ravine stabilization project**
No change since last update
- v. **Analysis of Dakota County Monitoring**
Kaylor Andrews of the DNR was checking to see if the vegetation specialist were able to evaluate Black Dog fens last season. If not he planned to ask them to make it a priority this year.
- vi. **East Chaska Creek - CSAH 61 & TH 41 Transportation improvements**
The city of Chaska is looking to approve development of the property the District identified for a reconstructed wetland near Cuzzy's on Chaska Boulevard (CSAH 61). The city had planned to meet with the District to discuss the project, but we have not done so yet.
- vii. **Savage Fen Ravine Project**
This project has been completed and the city did not request LMRW funding. It will be removed from future agendas.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 6. I. - Project Reviews

Prepared By

Linda Loomis, Administrator

Summary

- i. **Hennepin County - Bloomington Road**
Staff suggested this project might want to look at an alternative to the SAFL Baffle called the Preserver. The engineer on the project said the County preferred to stick with the SAFL Baffle since they have used these in other installations and are familiar with the maintenance required.
- ii. **City of Bloomington - Hyatt House; 2343-2373 Old Shakopee Road**
See the attached memorandum from staff
- iii. **City of Chaska - Local Surface Water Management Plan**
Staff is reviewing the Chaska Local Surface Water Management Plan and has received comments from the Metropolitan Council Environmental Services (MCES), which are attached for Managers information.
- iv. **City of Chanhassen - Local Water Management Plan**
Staff is reviewing the Chanhassen Local Water Management Plan and has received comments from MCES, which are attached for Managers information.
- v. **City of Lilydale - Local Water Management Plan**
Staff is reviewing the Lilydale Surface Water Management Plan and has received comments from MCES, which are attached for Managers information
- vi. **City of Burnsville - Xcel Energy Black Dog Plant**
No new information since last update
- vii. **MNDOT - I-35W Bridge Replacement**
No new information since last update

Attachments

Memorandum regarding Hyatt House

MCES Comment letter on City of Chaska Local Surface Water Management Plan

MCES Comment letter on Chanhassen local Water Management Plan

MCES Comment letter on Lilydale Surface Water Management Plan

Recommended Action

No action recommended



Technical Memorandum

To: Linda Loomis, Administrator

From: Della Schall Young, CPESC, PMP

Date: March 16, 2018

Re: Hyatt House Hotel Project – Old Shakopee Road E & 86th Street E,
Bloomington, MN

Sambatek, Inc. (Sambatek) contacted the Lower Minnesota River Watershed District (District) in December 2017 requesting a meeting to discuss the Hyatt House Hotel Project and the District's requirements and project review process. We (Linda Loomis and Della Young) met with Michele Caron and Benjamin Lucas, both Sambatek staff, on December 21, 2017. Sambatek staff were informed that the District does not have a formal permitting process but that we do review and comment on whether projects meet District standards through state or municipal review processes. They were also told that the proposed project would likely trigger the District's Bluff, Erosion and Sediment Control, and Stormwater Standards. All of the standards noted, with the exception of the Bluff Standard, would be addressed through compliance with the City of Bloomington's erosion and stormwater requirements and the Minnesota Pollution Control Agency's Construction Stormwater Permit. Although the City of Bloomington has bluff protection requirements, the requirements differ from the District's standard. To address the differences in bluff protection requirements, the District provided Sambatek staff the Thirty-Percent Bluff Overlay District shapefiles and the Bluff Standard language from the 2011 approved Watershed Management Plan.

Using the information provided by the District, Sambatek conducted a site survey and has requested a modification to the District's Thirty-Percent Bluff Overlay District adjacent to the project area (Figure 1—District and Sambatek Bluff Comparison). Note: The District's overlay areas were developed using the Minnesota Department of Natural

Resources bluff-mapping tool without a site survey or field verification. The modification requested by Sambatek reflects more accurate information.

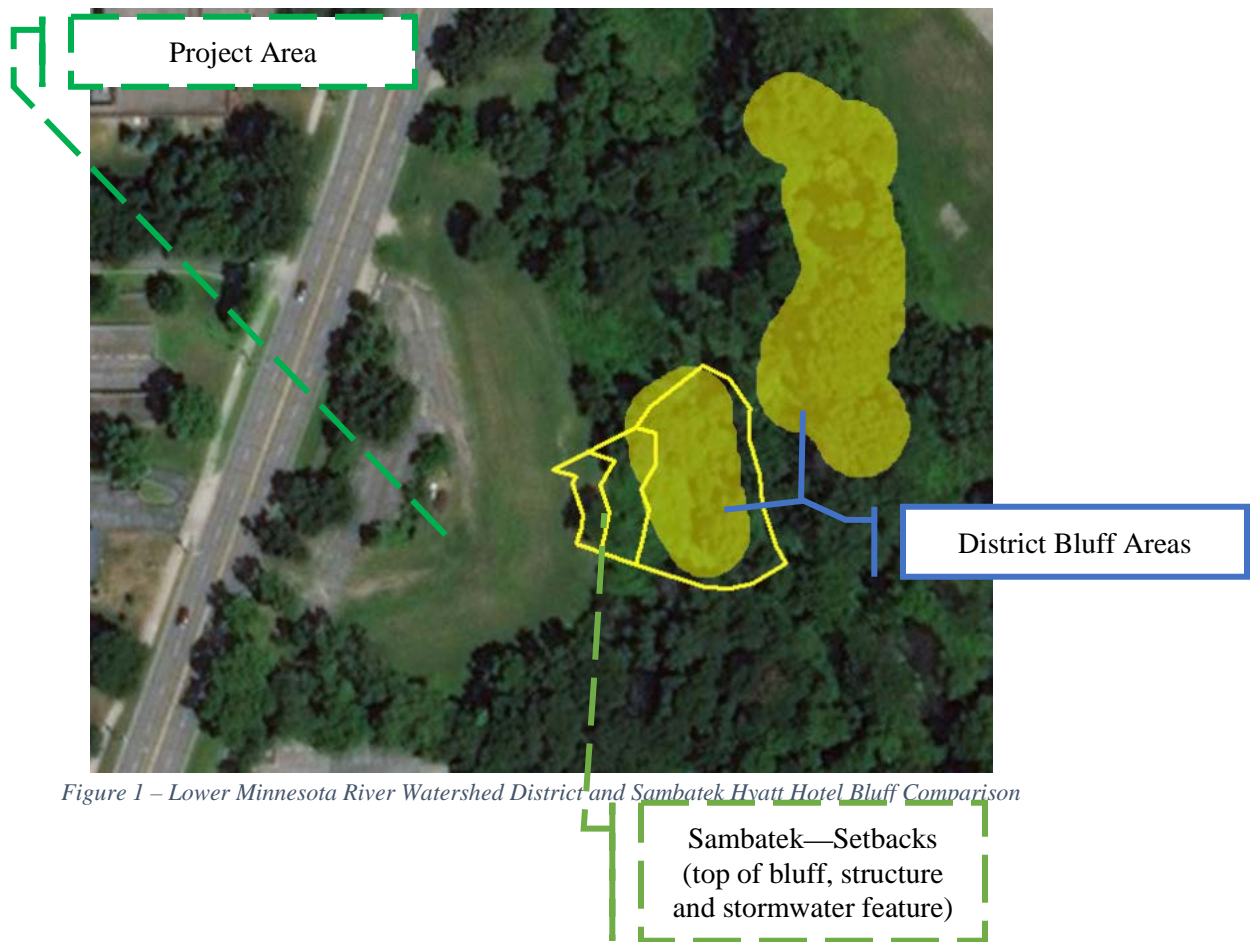


Figure 1 – Lower Minnesota River Watershed District and Sambatek Hyatt Hotel Bluff Comparison

Staff recommends approval of the request. Because nothing in development or implementation of this standard is meant to imply that all slopes 30% or greater are suitable for development or immune to failure, landowners and developers assume risk of failure in all cases.

CC: Jeffrey Thuma, Burns & McDonnell

March 15, 2018

Linda Loomis, Administrator
Lower Minnesota River Watershed District
112 E. 5th Street, #102
Chaska, MN 55318

RE: Chaska Local Surface Water Management Plan
Metropolitan Council Review File No. 21867-1

Dear Ms. Loomis:

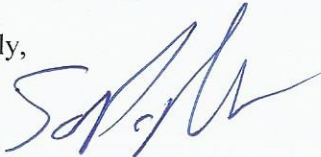
The Metropolitan Council (Council) has completed its review of Chaska's Local Surface Water Management Plan (plan). The plan is detailed, provides a good framework for managing the city's water resources, and is generally consistent with Council policies and the Council's *Water Resources Policy Plan*.

Chaska updated its plan in 2015 and it appears that the 2015 plan was resubmitted for review without any changes. The revised Minnesota Rules Chapter 8410 requires all local surface water plans for be updated in the period of 2017-2018. Council staff are recommending that at a minimum the city must update their capital improvement program (Table 6-1; *City Stormwater System Implementation Priorities*) to extend, by year, through the life of the plan (2028).

In addition, there are several impaired waters in the city, and Total Maximum Daily Load (TMDL) studies are underway for some of them. The Watershed Management Organizations (WMOs) the city is within are currently updating their watershed management plans. We strongly recommend that the city do a thorough plan update after the TMDL studies and WMO plan updates have been completed as well.

Thank you for the opportunity to comment on the city's plan. Again, the Council believes Chaska's plan provides a good foundation for managing stormwater in the City's water resources. If you have any questions regarding the Council's expectations, please contact Joe Mulcahy, of my staff at 651-602-1104.

Sincerely,



Sam Paske
Assistant General Manager, MCES, Environmental Quality Assurance Dept.

cc: Matt Clark, City of Chaska
Dan Edgerton, Stantec Consulting Services Inc.
Deb Barber, Metropolitan Council District 4
Angela Torres, Metropolitan Council Sector Representative
Raya Esmaeili, Metropolitan Council Referrals Coordinator
Joe Mulcahy, Water Resources Assessment Section

March 16, 2018

Ms. Linda Loomis, Administrator
Lower Minnesota River Watershed District
Scott County Government Center
112 E. 5th Street, #102
Chaska, MN 55318

RE: Chanhassen Local Water Management Plan
Review File No. 21862-1

Dear Ms. Loomis:

The Metropolitan Council (Council) has completed its review of the City of Chanhassen's draft Local Water Management Plan (plan), submitted in February 2018. The plan is consistent with Council policies and the Council's *Water Resources Policy Plan*.

The plan's water resource inventory is based on hydrologic and hydraulic modeling of the City on a subwatershed basis and includes issues and opportunities for each subwatershed. Overall, the plan provides an excellent framework to manage the City's water resources. However, we do have two minor comments on the plan:

- In Table 5-3, *Chanhassen LWMP Implementation Plan 2018-2027 by year*, the capital improvement section covers 2018 through 2022. The columns for years 2023 through 2027 are blank with a note stating, "To Be Determined In Future Annual CIP Updates." The city could consider extending this table to cover the total period of the plan. We realize it is difficult to estimate revenue and expenditures this far out, and that City budgets are reviewed annually, but technically this is required in the plan.
- As stated in the plan, all the Watershed Management Organizations (WMOs) the city is in are currently updating their management plans. The city should consider updating this plan after the WMO plan updates have been completed.

Thank you for the opportunity to comment on the city's plan. If you have any questions regarding these comments, please contact Joe Mulcahy, Water Resources Section, at 651-602-1104.

Sincerely,



Sam Paske
Assistant General Manager, Environmental Quality Assurance Department

cc: Vanessa Strong, Water Resources Coordinator City of Chanhassen
Jennifer Munt, Metropolitan Council District 3
Angela Torres, Metropolitan Council Sector Representative
Raya Esmaeili, Metropolitan Council Referrals Coordinator
Joe Mulcahy, Water Resources Assessment Section

March 9, 2018

Linda Loomis, Administrator
Lower Minnesota River Watershed District
112 E. 5th Street, #102
Chaska, Minnesota 55318

RE: Lilydale Surface Water Management Plan (SWMP) 45-Day Review
Metropolitan Council Review File No. 21865-1

Dear Ms. Loomis:

The Metropolitan Council (Council) has completed its 45-day review of the City of Lilydale's (City) draft Surface Water Management Plan (plan) as required under Minnesota Statute 103B.235. The Council reviewed the Plan for consistency with Minnesota Rules Part 8410.0160 and our *2040 Water Resources Policy Plan* (Policy Plan). Following are the Council's comments for your use in review and approval of the plan.

The City is essentially fully developed thus the plan's emphasis is on redevelopment. In addition, the city is the Local Unit of Government responsible for administering the Wetland Conservation Act as well as the entity responsible for permitting of development and redevelopment. The Council has reviewed the plan with this in mind.

The Executive Summary, the description of existing and proposed physical environment and land use, and the associated maps set a strong context for the plan. However, it is unclear from the land use table and map whether or not the map and table are taken from, or consistent with, the information that will be included in the City's 2018 Comprehensive Plan Update. If they are not consistent, the map and table should be made to be consistent with the Comprehensive Plan Update.

The plan includes information for the water resources within the City: the Minnesota River, Mississippi River, Pickerel Lake, Ivy Falls Creek and Interstate Valley Creek. The plan also identifies which water bodies are impaired and what they are impaired for. The plan falls short in identifying the City's role implementing projects or actions to help improve water quality for these resources. In particular, the City should identify its role in reducing bacteria in Interstate Valley Creek and what it plans to do about the erosion identified in the plan for Ivy Falls Creek.

The plan also stated that some of the Lilydale storm sewer system no longer meets the level of service for which it was originally designed but fails to include any needed projects or studies to fix this issue. It is unclear whether the list of projects completed for the storm sewer have fixed the problems or if there are remaining areas of concern. The plan also states that the City will assess and prioritize areas for shoreland restoration. There are no associated implementation projects for the problems identified in the plan. One of the main requirements for local surface water management plans are to identify the problem areas in the community, propose projects to address the problems and include money in a CIP to ensure the work needed can be done. This plan does not appear to adequately address problem areas within the City.

Page 4-5 states that the Metropolitan Council added a surcharge to Lilydale's sewer bill to fix I/I issues in the city. The Plan includes statements that inaccurately characterize the Council's ongoing I/I program. It is advised that the planners review the www.metrocouncil.org/iandi website and the [Thrive 2040 plan](#) for current policy. For example: the I/I Program does not collect funds for system improvements; the Council will not provide capacity within the interceptor system to serve excessive I/I; and, the program is intended to reduce excessive flows of clear water from I/I sources. For quantifying I/I, some communities have used the [EPA guidance](#) to determine the annual I/I and peak month I/I <https://www3.epa.gov/region1/ssw/pdfs/Guide4EstimatingInfiltrationInflow.pdf>

The plan includes goals for lake and stream water quality; stormwater pollution prevention; stormwater quality; stormwater rates and volumes; erosion and sediment control; groundwater; wetland management; and water resources enjoyment. Council staff encourage the city to adopt MIDS standards as well as use of LID practices. Prioritization of goals is recommended as this may help with implementation of actions, projects, and studies needed to meet the goals.

Thank you for the opportunity to comment on the City's plan. If you have any questions regarding the Council's expectations, please contact Judy Sventek, at 651-602-1156 or judy.sventek@metc.state.mn.us. Please advise the city that they need to send the Council a final copy of the plan for our records, along with the dates the watersheds approved it, and when the city adopted the final plan.

Sincerely,



Sam Paske
Assistant General Manager, MCES, Environmental Quality Assurance Dept.

cc: Mary Schultz, City of Lilydale
Jeff Weiss, Barr Engineering Company
Richard Kramer, Metropolitan Council District 13
Sam Paske, MCES, Assistant General Manager
Patrick Boylan, Metropolitan Council Sector Representative
Raya Esmaeili, Metropolitan Council Referrals Coordinator
Judy Sventek, Manager, Water Resources Section



LOWER
MINNESOTA RIVER
WATERSHED DISTRICT

March 2018 Administrator report
From: Linda Loomis, Administrator
To: LMRWD Board of Managers

In addition to items on the meeting agenda, work continues on the following District projects and issues:

Ike's Creek Monitoring

USFWS hosted a meeting at which monitoring of Ike's Creek was discussed. There are several studies going on, however many of them are program being conducted by graduate students at the University of Minnesota and are not long term efforts. This first meeting was for everyone to present what parameters are being monitored. There will be a second meeting to discuss whether current monitoring can continue and are there parameters that are not being monitored but should be.

The creek was stocked with brook trout in 2007 and has not been stocked since. The number of fish has been monitored ever since. The population of fish has double from the number of fish stocked. There may be additional stocking of fish in order to increase the genetic diversity.

There was discussion about monitoring ground water in the area and a location for a well to monitor groundwater was agreed upon and the location will be investigated. TSS has been monitored, but there has been no monitoring of the bedload. There was also discussion of monitoring continuous stream flow. Those responsible for monitoring noted that was an area of active erosion near the stream and thought some investigation should be done how that could be stabilized.

MPCA Sediment Reduction Strategy

Len Kremer called me to ask for some information from the District. Len is working with David Minge and the Minnesota Center for Environmental Advocacy (MCEA). MCEA is looking to address sediment in the Minnesota River by working through drainage authorities upstream that permit drain tile connections. They are hoping to be able to manage the flow of water and the resulting sediment that comes from extreme

Watershed Based Funding Pilot Program meeting

Hennepin County held the second of its WBF meetings to determine how to allocate the pilot program funds. There was some agreement that money should be spent to try to reduce the use of salt in the winter, however it was not definitively agreed upon. It appears that at the very least money will be allocated by major watershed; Crow River, Mississippi River and Minnesota River. The eligible authorities in the Minnesota River watershed agreed in principal that funds should be used to reduce chlorides, by help large users of salt retro-fit equipment or cost share to allow them to purchase new equipment.

Carver County held a meeting and invited all Carver County cities. Possible projects were discuss. The cities all supported the idea of distributing money 50% based on Market Value and 50% on area of the county within the Watershed.

Scott County held a meeting and invited all the cities within Scott County. Only Shakopee and Savage attended. Possible projects were discussed and chlorides came up here too. Neither Savage nor Shakopee has begun to address its use of salt and supported using some of the money to begin to address chlorides. I pointed out that both of them had staff people attend the Smart Salting Workshop and they said they send people, but they do not have the equipment needed for them to apply what they learn.

The counties have to notify BWSR by June 30 how they intend to distribute the money within each county. Everyone at each of the county meetings agreed that how money is allocated now may not be how it would be allocated in the future. Each county would continue to look to see if there was a better way to distribute money to ensure that money is being spent on projects that will get the greatest results.

Level 2 Smart Salting Workshop

The LMRWD along with the Nine Mile Creek Watershed District co-sponsored a level 2 Smart Salting Workshop on March 1, at the Chaska Community Center. The training is paid for by a grant from the MPCA. The LMRWD paid for the use of the coffee and facility and Nine Mile Creek paid for lunch and snacks. Fourteen people were pre-registered and 13 thirteen actually attended. Attendees were from Mendota Heights, Savage, Shakopee, and Eden Prairie. A student from the U of M who is researching the use of salt also attended

MAWD Day at the Capitol

I attended the MN Association of Watershed Administrator meeting on Wednesday, March 7th as part of MAWD day at the Capitol. There was a lot of discussion about MAWD dues. Watershed districts with small budgets, but larger tax capacities are being charged a greater percentage to support MAWD. There is some feeling that the \$7,500 cap is too high for Watershed Districts with smaller annual budgets and is not high enough for some Watershed Districts with very large budgets.

MAWD Summer Tour

Managers should be aware that MAWD Summer Tour will be in the southwest Metro in June. We have contacted Upper River Services to arrange a barge tour on Wednesday, June 20th. We have contacted Carrie Jennings, Xcel Energy, USFWS and Cargill to speak. Cling Gergen has been invited to speak. The St. Paul Port Authority is also interested in being part of this tour.

MAWD will charge for the event, but RPBCWD and the LMRWD have talked about paying for local elected official, city, county and state that we want to invite. I believe the St. Port Authority would also contribute.

In addition to the barge tour, the conference will offer a bus tour of different projects in the southwest Metro area. There are several projects in Carver County and we are planning to visit the Shakopee Mdewakanton Sioux Community compost site.

Upcoming meetings/events

- Savage Public Information meeting - April 3, 2018, 5:30pm -7:00pm, location to be announced
- Freshwater Society's [State of Water Conference](#) - April 12-14, Breezy Point
- Metro MAWD - Tuesday, April 17, 2018 - Capitol Region Watershed District
- [Minnesota Water Action Day at the Capitol](#) - Wednesday, May 2, 2018, 8:00am-4:00pm State Capitol
- MN River Congress - Thursday, May 17, 2018, Mankato (venue to be announced)
- Metro Blooms Workshops - various dates - see attached



Media Alert

For Immediate Release

Contact: John Bly, john@metroblooms.org, 651-699-2426

Learn How to Create a Resilient Yard

2018 Blue Thumb workshops hosted by Metro Blooms

What?	<p>Unseasonably warm weather, long periods of drought, and flooding rains are the new normal in Minnesota. Metro Blooms is offering two types of resilient yard presentations this year: <i>Resilient Yard Workshops</i> and <i>Turf Alternative</i> workshops.</p> <ul style="list-style-type: none"> • <i>Resilient Yard Workshops (2.5 hours)</i>: Provide a framework to understand the importance of resilience and how it can be fostered in your yard through a variety of practices, including how to install your own raingarden. Following presentation, attendees receive one-on-one design assistance from Blue Thumb Landscape Designers, Hennepin County Master Gardeners, and Master Water Stewards to create a plan for your own yard. • <i>Turf Alternative Workshops (1.5 hours)</i>: Your guide to a low-maintenance lawn. This 1-hour presentation overviews the benefits and options before providing step-by-step instructions to establishing water- and pollinator-friendly perennial ground covers. Suggested turf alternatives minimize the need for irrigation and chemical inputs while maintaining a useable lawn. The presentation is followed by a group discussion to identify and overcome common obstacles faced by homeowners. <p>All workshops attendees receive information about installation cost share programs and Blue Thumb resources to help get a project in the ground.</p>
When?	March-June 2018
Where?	11 Twin Cities metro locations + 1 workshop in Prescott, Wisconsin
How to Register?	Visit metroblooms.org or call 651-699-2426 Cost: \$15 per household unless otherwise noted. Register soon, some locations fill up fast. You can also mail your registration to Workshop Registration, P.O. Box 17099, Minneapolis, MN 55417. Enclose a check payable

	to Metro Blooms, and include the workshop location, your name, address, phone number and email address.
Why?	Increasingly severe changes in Minnesota's weather patterns are impacting all of us, but these changes are felt most strongly in our cities. Impermeable surfaces (roads, roofs, parking lots, and unhealthy compacted soils) excel at soaking up and retaining heat from the sun, and also contribute to huge amounts of runoff, carrying pollution into our waters. Resilient yards do the opposite: shed and shade the sun's heat, but soak up and infiltrate stormwater, cleaning and using it to help cool the surrounding landscape. A resilient yard not only survives extreme weather—it also helps us thrive in spite of it.
	<p>Workshops presented by Metro Blooms, sponsored by the Cities of Minneapolis, Plymouth, Robbinsdale, Crystal, Brooklyn Park, Brooklyn Center, New Hope, St. Louis Park, and Edina, Hennepin County Master Gardeners, Minnehaha Creek Watershed District, Nine Mile Creek Watershed District, Shingle Creek and West Mississippi Watershed Management Commission, Rice Creek Watershed District, Elm Creek Watershed Management Commission, Bassett Creek Watershed Management Commission, and Friends of Freedom Park.</p> <p>Metro Blooms, a local non-profit organization, works to strengthen communities by promoting environmentally-sound landscaping that beautifies neighborhoods and protects our environment. Metro Blooms coordinates the Blue Thumb partnership – a network of public and private partners working towards planting for clean water.</p>

Register now. Some locations fill up fast. The \$15 workshops are offered March - June:

Date	Day	Time	Workshop Location	Workshop Type
<i>March 28</i>	<i>Wednesday</i>	<i>12:30-2:30PM</i>	<i>Prescott, WI; exactly location TBD (Free)</i>	<i>Turf Alternatives</i>
<i>March 29</i>	<i>Thursday</i>	<i>6-8:30 PM</i>	<i>St. Louis Park City Hall (Free to residents)</i>	<i>Resilient Yards</i>
<i>April 4</i>	<i>Wednesday</i>	<i>6:30-9 PM</i>	<i>Champlin City Hall</i>	<i>Resilient Yards</i>
<i>April 4</i>	<i>Wednesday</i>	<i>6:30-8 PM</i>	<i>Armatage Recreation Center, Minneapolis</i>	<i>Turf Alternatives</i>
<i>April 10</i>	<i>Tuesday</i>	<i>6-8:30 PM</i>	<i>Longfellow Recreation Center, Minneapolis</i>	<i>Resilient Yards</i>
<i>April 12</i>	<i>Thursday</i>	<i>6:30-8 PM</i>	<i>St. Louis Park City Hall (Free to residents)</i>	<i>Turf Alternatives</i>
<i>April 17</i>	<i>Tuesday</i>	<i>6-8:30 PM</i>	<i>St. Barnabas Church, Plymouth (Free to residents)</i>	<i>Resilient Yards</i>
<i>April 17</i>	<i>Tuesday</i>	<i>TBD</i>	<i>Edina, exact location TBD</i>	<i>Turf Alternatives</i>
<i>April 19</i>	<i>Thursday</i>	<i>6-8:30 PM</i>	<i>Nokomis Recreation Center, Minneapolis</i>	<i>Resilient Yards</i>

<i>April 24</i>	<i>Tuesday</i>	<i>TBD</i>	<i>Edina, exact location TBD</i>	<i>Resilient Yards</i>
<i>April 24</i>	<i>Tuesday</i>	<i>6:30-8 PM</i>	<i>Longfellow Recreation Center, Minneapolis</i>	<i>Turf Alternatives</i>
<i>April 28</i>	<i>Saturday</i>	<i>11-1:30 PM</i>	<i>North Regional Library, Minneapolis (Free)</i>	<i>Resilient Yards</i>
<i>May 3</i>	<i>Thursday</i>	<i>6:30-8 PM</i>	<i>Nokomis Recreation Center, Minneapolis</i>	<i>Turf Alternatives</i>
<i>May 10</i>	<i>Thursday</i>	<i>6-8:30 PM</i>	<i>Crystal Community Center</i>	<i>Resilient Yards</i>
<i>May 15</i>	<i>Tuesday</i>	<i>6-8:30 PM</i>	<i>Brooklyn Center Community Center</i>	<i>Resilient Yards</i>
<i>May 19</i>	<i>Saturday</i>	<i>11-12:30PM</i>	<i>North Regional Library, Minneapolis (Free)</i>	<i>Turf Alternatives</i>
<i>May 23</i>	<i>Wednesday</i>	<i>6-8:30 PM</i>	<i>Armatage Recreation Center, Minneapolis</i>	<i>Resilient Yards</i>
<i>May 31</i>	<i>Thursday</i>	<i>6-8:30 PM</i>	<i>Audubon Recreation Center, Minneapolis</i>	<i>Resilient Yards</i>
<i>June 7</i>	<i>Thursday</i>	<i>6:30-8 PM</i>	<i>Audubon Recreation Center, Minneapolis</i>	<i>Turf Alternatives</i>

