MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 HAYWARD AVENUE, OAKDALE, MINNESTOA 55082
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org

Regular Meeting of the Middle St. Croix Watershed Management Organization
Bayport Public Library, Bayport, MN
Thursday, July 13, 2017
6:00PM

1. Call to Order – 6:00PM

2. Approval of Minutes
   a) Draft minutes- June 8 , 2017 *Action Item* **Page 1-3**

3. Treasurer's Report
   a. Report of savings account, assets for July 11, 2017
   b. Approve payment of bills for July 11, 2017

4. Public Comments

5. Old Business

6. New Business
   a. 2018 Water Monitoring **Page 4-5**
   b. 2018 Clean Water Fund Grant Application *Action Item* **Page 6**
   c. Washington County 2017 Clean Water Fund Grant Subsurface Sewage Treatment System (SSTS) Records Project and Risk Assessment **Page 7**
   d. One Watershed One Plan Update **Page 8**

7. Grant and Cost Share Applications
   a. Meyer Native Prairie Restoration, Baytown Township *Action Item* **Page 9-18**

8. Plan Reviews/Submittals
   a. 2017 Stillwater Streets *Action Item*

9. Administrator's Report **Page 19-20**

10. Adjourn

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Minutes of the Middle St. Croix Watershed Management Organization
Bayport Public Library, Bayport, MN
Thursday, June 8, 2017
6:00PM

Present: Brian Zellar, Lakeland Shores; Doug Menikheim, Stillwater; John Fellegy, Baytown; Mike Runk, Oak Park Heights; Nancy Karras-Anderson, St. Mary's Point; Annie Perkins, Afton; Tom McCarthy, Lake St. Croix Beach; Patrick McGann, Bayport; Administrative Assistant Jenn Radtke, Administrator Mike Isensee.

1. **Call to Order – 6:00PM**
   The meeting was called to order by Brain Zellar at 6:03pm.

2. **Approval of Minutes**
   a) Draft minutes April 13 , 2017
   Motion to approve the minutes was made by Tom McCarthy, seconded by Nancy Anderson. Motion carried, one abstaining.

3. **Treasurer's Report**
   a. Report of savings account, assets for June 8, 2017
   b. Approve payment of bills for June 8, 2017

   The treasurer's report was presented by Nancy Anderson.

   April: The remaining checking account balance is $170,396.97. First State Bank CDs are valued at $32,094.13. The ending balance in the RBC savings account is $48,659.37.
   May: The remaining checking account balance is $170,404.21. First State Bank CDs are valued at $32,094.13. The ending balance in the RBC savings account is $48,659.77.

   Bills to be approved this month are:
   Carmen Simonet Design: $63.75;
   Washington Conservation District (Administration) $3,349.50;
   Washington Conservation District (Technical Services) $6,818.98;
   Washington Conservation District (Water Monitoring); $5,878.48;
   Total: $16,110.71

   John Fellegy moved to approve the treasurer's report and pay the bills presented, Tom McCarthy seconded the motion, and the motion carried.

4. **Public Comments**
   None.

5. **Old Business**
   None.

6. **New Business**
   a. 2016 Financial Audit-*Action Item* **pages 5-22**
      Motion by Tom McCarthy, seconded by Doug Menikheim, to approve the independent auditor's report as presented in compliance. Motion carried.

   b. EPA Subgrant Application- St. Mary's Point Buffer Installation-
      Motion by John Fellegy, seconded by Mike Runk, to complete the application and administer the EPA Subgrant of $2,535 to install native shoreline plantings along the St. Croix in St. Mary's Point and Lake St. Croix Beach. Motion carried.

   c. Washington County Master Water Stewards Program
      Motion by John Fellegy, seconded by Annie Perkins, to participate in the Washington County Master Water Stewards program in 2018 and 2019 at a cost of $250 per MSCWMO Master Water Steward. Motion carried.

   d. Lily Lake Open House Tuesday, July 11 at the Chilkoot Café, Stillwater
      Discussion only.

7. **Grant and Cost Share Applications**
   a. Andersen Windows Native Prairie Restoration –Bayport
      Motion by John Fellegy, seconded by Nancy Anderson, to award $500 Landscaping for Water Quality Grant for a 24,000 square foot turf to prairie restoration at Andersen Windows in Bayport. Motion carried.

   b. Riley Native Bluffland Planting –Lakeland
      Motion by Nancy Anderson, seconded by Mike Runk, to award $250 Landscaping for Native Habitat Grant for the installation of native seed, perennial plants and shrubs per plan at 1119 Quintin Avenue South, Lakeland. Motion carried.

   c. Meyers Infiltration Basin, Raingarden, and Bluff Drainage Improvement- Lakeland
      Motion by Brian Zellar, seconded by Mike Runk, to award a Water Quality Improvement Grant for two projects located at 453 Quixote Avenue North for a total of 75% cost share of eligible expenses not to exceed $3,568.25.

8. **Plan Reviews/Submittals**
   a. 2017 Infrastructure Improvements- Bayport
      Information only.

   b. Oak Park Senior Living Phase V- Oak Park Heights
      Motion by Mike Runk, seconded by Nancy Anderson, to approve the review of the Oak Park Senior Living Phase V with the 3 outlined conditions met. Motion carried.

9. **Administrator's Report page**

Administrator Isensee gave a report including updates of current projects. Developing an Adopt-A-Raingarden program in Stillwater.

10. Adjourn

The motion to adjourn was made by John Fellegy, seconded by Nancy Anderson. The motion carried and the meeting was adjourned at 6:52p.m.

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Mikael Isensee, Administrator
DATE: July 14, 2017

6c) 2018 Water Monitoring

The targeted water monitoring grant funding will be complete in 2017. Data gathered during the targeted monitoring effort has shed light on some long term questions. This discussion will focus what was learned and how the MSCWMO should proceed with monitoring in 2018. \

Discussion

2018 MSCWMO Water Monitoring Estimate 07-10-2017

Lake WQ Monitoring	**Type**	**Labor**	**Time/Mileage**	**Lab**	**Total**	**Notes**
Lily Lake	LWQE1	$1,682	$0	$550	$2,232	14x/year with WQ sampling Deep Lake for DO
McKusick Lake	LWQE1	$1,269	$0	$550	$1,819	14x/year with WQ sampling
Total Lake WQ Monitoring		$2,951	$0	$1,100	$4,051	
Lake Gage Monitoring	**Type**	**Labor**	**Time/Mileage**	**Lab**	**Total**	**Notes**
Lily Lake	LEA1	$148	$0	$0	$148	Install and/or Survey and/or Remove. Read during WQ sampling by WCD
McKusick Lake	LEA1	$148	$0	$0	$148	Install and/or Survey and/or Remove. Read during WQ sampling by WCD
Total Lake Gage Monitoring		$296	$0	$0	$296	
Lily Lake and Perro Pond Targeted WQ Monitoring	**Type**	**Labor**	**Time/Mileage**	**Lab**	**Total**	**Notes**
Greely Street Inlet to Lily Lake	V1	$4,867	$651	$200	$5,718	
Perro Diversion Structure	II1/I1	$4,356	$961	$547	$5,864	Grab samples on main channel, flow only on diversion
Perro at 6th Street Crossing	N/A	$110	$0	$198	$308	E. coli grabs
TOTAL	N/A	$9,333	$1,612	$945	$11,890	
Report	**Type**	**Labor**	**Time/Mileage**	**Lab**	**Total**	**Notes**
Water Monitoring Report	NA	$1,860	$0	$0	$1,860	
2018 Total Monitoring Costs		$14,440	$1,612	$2,045	$18,097	

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Mike Isensee, Administrator
DATE: July 12, 2017

RE: **6 B) FY2018 CWF Grant Applications**

6 A) 2018-2020 CLEAN WATER FUND GRANT APPLICATION

Lake St. Croix Direct Discharge
Staff recommends the continuation of the prioritized and targeted implementation of stormwater practices identified in the Lake St. Croix Direct Discharge Subwatershed Analysis. This $150,000 grant application is identified in the MSCWMO 2015-2025 Watershed Management Plan. If successful, the grant will continue partnerships with the cities of Oak Park Heights, Stillwater, Bayport, and Andersen Windows to cost share targeted stormwater best management practices prioritized in the 2015 Subwatershed Analysis and Andersen Windows Stormwater Retrofit Master Plan. The grant proposes to install of up to seven urban stormwater retrofit projects to reduce phosphorous directly discharging to Lake St. Croix by at least 12 pounds. The grant application will require a minimum match of $37,500.

MSCWMO 2016-2019 Clean Water Fund Grant Application

Motion by Board Member 1, seconded by Board Member 2, to approve the Lake St. Croix Direct Discharge application for 2018 Clean Water Grant Funds.

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Mikael Isensee, Administrator
DATE: July 11, 2017

6c) Washington County SSTS Risk Assessment Meeting

Washington County received a Clean Water Fund Grant in 2017 to conduct a Subsurface Sewage Treatment System (SSTS) Records Project and Risk Assessment.

They are now requesting the MSCWMO join a group of technical staff and partners to discuss the project and specifically the risk assessment – the goals, criteria, and data.

For the risk assessment, the County has a good sense from the Groundwater Plan (see below), but feel that it's an important step to bring together our colleagues and stakeholders to discuss and refine.

Doe the board have any further input?

Groundwater Plan Strategy 9.2.1
1. Develop a county wide assessment that utilizes geologic data, nitrate testing/ mapping, housing stock data, and a community approach to determine risk levels of existing systems throughout the county, and identify possible areas of concern for failing systems.

Use assessment data to:
a. Set up targeted inventory in areas of concern for failing SSTS.
b. Inform decisions regarding placement of SSTS, type of SSTS to be installed, or other alternatives (hookup to city sewer).
c. Develop materials that describe the necessity to analyze the cumulative effect of SSTS community wide versus for each individual home. Use these materials to educate and inform public officials, contractors, and SSTS owners.

Discussion only

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Mike Isensee, Administrator
DATE: July 11, 2017

RE: **6d) One Watershed One Plan- Lower St. Croix Basin**

Past MSCWMO Action
In November, 2016 the MSCWMO passed a resolution to support the development of a One Watershed One Plan for the Lower St. Croix Basin.

Background
One Watershed One Plan is a concept that resulted from policy work conducted by the Minnesota Association of Soil and Water Conservation Districts (MASWCD), the Minnesota Association of Watershed Districts (MAWD) and the Association of Minnesota Counties (AMC) during a multi-year Local Government Water Roundtable.

The Roundtable provided consensus recommendations to state policy makers on how to deliver efficient and effective water management in Minnesota. The recommendations are to coordination statewide watershed planning based on Minnesota's 60 major watersheds . This concept primarily applied to outstate organizations, but has value for improved collaboration in the metro area.

In 2016, a series of policy recommendations have been made to **allocate funding** for implementation of activities identified in established One Watershed One Plan programs. It appears that funding may become available to implement completed as early as 2018.

Based on this information, Washington and Chisago County watershed management organizations and conservation districts are collaborating to coordinate existing plans to develop Minnesota's first One Watershed One Plan in 2017.

Update
The collaborative application for funding to develop a coordinated plan was approved by the Board of Water and Soil Resources (BWSR). The first meeting is being coordinated by BWSR will be in regards to agreements and budgets.

Discussion Item

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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Mikael Isensee, Administrator
DATE: July 12, 2017

7a) Meyer Native Prairie Restoration Grant Application, Baytown Township

Chuck Meyer is contracting Prairie Restorations Incorporated to convert 8,000 ft² of turf to prairie at his property located at 3491 Pete Miller Avenue, North in Baytown Township. The estimated cost for the installation is $4,030.00. Modeling predicts the conversion from turf to prairie will reduce phosphorous loading by 0.15 lbs. per year. This project qualifies for a MSCWMO Landscaping for Habitat Grant. Staff recommends grant funding not to exceed $250.00.

Meyer Native Prairie Restoration Grant Application, Baytown Township

Motion by Board Member 1, seconded by Board Member 2, to award $250 Landscaping for Habitat Grant for a 8,000 square foot turf to prairie restoration at 3491 Pete Miller Avenue, Baytown Township.

Revised Proposal to Create a Native Landscape at the Meyer Residence In Baytown Township, MN

Prepared for:
Chuck Meyer
3491 Pete Miller Ave N
Stillwater, MN 55082
651-702-3793
chmey.biz@gmail.com

Prepared by:
JoeWilberg
Project Manager
763-220-5999
jwilberg@prairieresto.com

Project Area:
Approximately 8,000 square feet

Prairie Restorations, Inc.

PO Box 95
Scandia, MN
www.prairieresto.com

A. Company Background: http://www.prairieresto.com/mission.shtml **(Follow the blue links to learn more)**

Prairie Restorations, Inc. (PRI) has been dedicated to the restoration and management of native plant communities for over 39 years. We are fortunate to have worked with thousands of clients on a wide variety of projects in both the public and private sectors throughout the Upper Midwest.

The PRI staff currently consists of 45 full-time professionals and about an equal number of seasonal employees which operate out of six Minnesota locations. Most of the staff has B.S. degrees in natural resource related fields such as biology, forestry, horticulture or wildlife. As a full service restoration company, PRI is able to provide our clients expertise and service in all facets of native landscape restoration. Along with consulting, design, installation and land management services, we also produce our own local ecotype seed and plant materials which are used on all of our projects.

The PRI Team is committed to and passionate about protecting and enhancing our valuable natural resources. It is this dedication that is brought to each and every one of our projects. We are proud to offer the best expertise, services and products available in the industry and appreciate the opportunity to provide you with this proposal.

B. Project Overview:

1. Establishing a native landscape (http://www.prairieresto.com/establish_landscape.shtml) in this area will provide a long term, ecologically sound landscape that is adapted to the existing conditions of the site. This native landscape will not require irrigation, black dirt or other soil amendments. It will add a distinctive look to the property as well as provide valuable habitat for songbirds, butterflies, bees and other pollinators.

2. To establish this planting, the site will be treated with herbicide to kill existing weeds, disked and harrowed to provide a smooth seedbed, seeded with native grasses and wildflowers, and mulched with straw and partially covered with straw erosion blanket to protect the seeding and enhance germination.

3. Native wildflower and grass plugs will be planted to enhance the diversity and aesthetics of the project.

4. An estimate for 3 years of Establishment Period Vegetation Management is included in this proposal.

C. Project Dimensions and Planting Zones:

1. The disturbed area to be seeded is approximately 8,000 square feet.

D. Site preparation: http://www.prairieresto.com/installation_preparation.shtml

1. *The project area will be fine graded before the seeding work begins *(to be done by the general contractor or excavator or property owners).*This mostly applies to the east/ off-property where there is a lot of sod scraps piled up.

2. In areas with actively growing vegetation, apply a glyphosate herbicide (Roundup® or equivalent) and a triclopyr herbicide (Garlon 3A® or equivalent) with appropriate surfactants, as per manufacturer's directions. Allow a minimum of 25 days before disturbing the vegetation with other procedures.

3. If necessary, disk or till the soil to stimulate weed seed germination.

4. Pick all rocks that exceed 4" in diameter, and pile somewhere on-site.

5. Remove silt fence.

6. Respray with a glyphosate herbicide (Roundup® or equivalent) if regrowth of vegetation occurs.

7. Harrow or rake the soil to create an open seedbed.

E. Seed and Seeding: http://www.prairieresto.com/installation_seeding.shtml

1. Acceptable seeding dates for native species are in the spring or summer before August 10th or in the fall between September 20th and freeze-up. This project would likely be seeded in July of 2017.

2. All seed will be applied by broadcasting.

3. The seed mixes will consist of the following species and amounts:

Grass Seed	**lbs./ project area**
PRI Short Dry Grass Mix: 40% Little bluestem, 35% Side oats grama, 13% Blue grama, 4% Poverty oat grass,	

4% June grass, 2% Sand dropseed,
2% Prairie dropseed, all by PLS weight. ..... 1.5 lbs

PRI Mixed Height Mesic Grass Mix:
33% Big bluestem, 23% Little bluestem, 22% Indian grass,
12% Side oats grama, 5% Canada wild rye, 2% June grass,
1% Switch grass, 1% Sand dropseed,
1% Prairie dropseed, all by PLS weight ..... 2 lbs

http://www.prairieresto.com/CategoryList.php?cID=12

Note: A cover crop of oats will be sown along with the native grasses at a rate of approximately 25 lbs. per acre. Oats is an annual grass species that germinates quickly and will reduce the risk of soil erosion on the site.

Wildflower Seed	**oz./project area**
Butterfly weed (*Asclepias tuberosa*)	0.5
Rough blazing star (*Liatris aspera*)	0.5
Yellow coneflower (*Ratibida pinnata*)	0.1

PRI Short Dry Wildflower Mix:
20% Purple prairie clover, 18% Hoary vervain, 16% Black-eyed Susan,
14% Leadplant, 6% Showy Penstemon, 5% Bush clover,
5% Rough blazing star, 3% Stiff goldenrod,
2% Common milkweed, 2% Wild bergamot, 2% Prairie rose,
2% Western spiderwort, 2% Golden Alexander,
1% Yarrow, 1% White prairie clover,
1% Northern bedstraw, all by PLS weight. 2

PRI Mixed Height Mesic Wildflower Mix:
18% Purple prairie clover, 15% Black-eyed Susan, 15% Hoary vervain,
12% Leadplant, 8% Common ox-eye,
5% Golden Alexander 5% Bush clover, 4% Smooth aster
4% Stiff goldenrod, 3% Wild bergamot, 3% Blue vervain,
3% Canada tick trefoil 2% Common milkweed,
1% White prairie clover, 1% Yarrow,
1% Northern bedstraw, all by PLS weight 3

http://www.prairieresto.com/CategoryList.php?cID=13

F. Erosion Control: http://www.prairieresto.com/installation_erosion.shtml

1. Cover crop will be sown along with the native grasses.

2. All areas not blanketed will be mulched with clean straw.

3. Erosion blanket (S150) will be applied as per manufacturer's directions to the west (off-property) slope.

G. Plants and Planting:

1. Immediately following the implementation of any erosion control measures, the planting will be further diversified with native wildflower and/or grass plants (plugs or 4 inch pots). These will be planted individually in appropriate microhabitats throughout, or in designated areas of the project. The plants used will consist primarily of species other than those previously seeded.

2. From the following list a minimum of 8 species will be used.

3. Plant a total of 200 plugs.

4. Plant a total of 36- 4 inch pots.

Wildflowers

http://www.prairieresto.com/CategoryList.php?cID=10

Fragrant giant hyssop (*Agastache foeniculum*)
Prairie onion (*Allium stellatum*)
Leadplant (*Amorpha canescens*)
Thimbleweed (*Anemone cylindrica*)
Pussytoes (*Antennaria neglecta*)
Columbine (*Aquilegia canadensis*)
Prairie sage (*Artemisia ludoviciana*)
Butterfly weed (*Asclepias tuberosa*)
Whorled milkweed (*Asclepias verticillata*)
Wild indigo (*Baptisia alba*)
Slender penstemon (*Penstemon gracilis*)
Showy penstemon (*Penstemon grandiflorus*)
Prairie larkspur (*Delphinium virescens*)
Wild strawberry (*Fragaria virginiana*)
Northern bedstraw (*Galium boreale*)
Wild geranium (*Geranium maculatum*)
Prairie smoke (*Geum triflorum*)
Stiff sunflower (*Helianthus pauciflorus*)
Alum-root (*Heuchera richardsonii*)
Rough blazing star (*Liatris aspera*)
Meadow blazing star (*Liatris ligulistylis*)
Prairie phlox (*Phlox pilosa*)
Prairie cinquefoil (*Potentilla arguta*)
Rattlesnake root (*Prenanthes alba*)
Gray goldenrod (*Solidago nemoralis*)
Upland goldenrod (*Solidago ptarmicoides*)
Stiff goldenrod (*Solidago rigida*)
Showy goldenrod (*Solidago speciosa*)
Woundwort (*Stachys palustris*)
Smooth aster (*Symphyotrichum laeve*)
Azure aster (*Symphyotrichum oolentangiense*)
Western spiderwort (*Tradescantia occidentalis*)
Hoary vervain (*Verbena stricta*)

Grasses and Sedges

http://www.prairieresto.com/CategoryList.php?cID=12

Prairie dropseed (*Sporobolus heterolepis*)

H. Sod Flats: http://www.prairieresto.com/CategoryList.php?cID=15

1. Additionally, sod flats can be used to create “instant” stands of native vegetation. These are useful in smaller, key areas of a project, or in erosion prone areas where immediate vegetation establishment is critical.

2. Sod flats are pre-grown sections of native vegetation. Each sod flat is approximately 1.5 square feet and have been planted with the species listed below.

3. Plant a total of 8 Sod flats (either short/ dry, or mixed height/ mesic) ***to form a continuous sod, just below the pop-up drain***.

Short/Dry Flat Species composition			
Grasses:	**Wildflowers:**		
Side oats grama	Leadplant	Long-leaved bluets	White prairie clover
Blue grama	Thimbleweed	Golden aster	Purple prairie clover
Poverty oat grass	Butterfly weed	Alum root	Prairie phlox
June grass	Heath aster	Bush clover	Prairie cinquefoil
Little bluestem	Azure aster	Rough blazing star	Black-eyed Susan
Prairie dropseed	Silky aster	Cylindric blazing star	Gray goldenrod
	Stiff tickseed	Slender penstemon	Upland goldenrod
	Northern bedstraw	Showy Penstemon	Western spiderwort

Mixed Height/Mesic Flat Species composition			
Grasses:	**Wildflowers:**		
Big bluestem	Fragrant giant hyssop	Stiff sunflower	Prairie phlox
Kalm's brome	Leadplant	Common ox-eye	Yellow coneflower
Side oats grama	Butterfly weed	Rough blazing star	Black-eyed Susan
Canada wild rye	Azure aster	Pale lobelia	Stiff goldenrod
Little bluestem	Arrow-leaved aster	Wild bergamot	Showy goldenrod
Indian grass	Canada tick trefoil	White prairie clover	Golden alexander
	Yellowish gentian	Purple prairie clover	

I. Management: http://www.prairieresto.com/management_overview.shtml

1. Management (maintenance) plays a vital role in the eventual success of any native landscape installation, especially during the establishment period. Active management of your native landscape is highly recommended to give the project the best opportunity for long term success.

2. During the germination year, the project area may need to be mowed to control annual weed development. If a "closed" canopy of weed cover develops, it should be mowed to aid in the growth of the prairie seedlings by reducing competition. Mowing may also be necessary if the weeds are about to set seed. Optimum cutting height, depending on the wildflower species present, is typically 4 to 6 inches. It is important that the clippings are finely mulched in order to prevent smothering. PRI can provide the mowing services if desired. Please refer to the cost section of this proposal for a mowing quote.

3. In years following the first growing season, Integrated Plant Management (IPM) services are utilized to control annual, biennial and perennial weed species within the developing native landscape. Typical IPM services include spot herbicide spraying, spot mowing, herbicide wicking or hand weeding. These services are billed on a per trip cost agreed upon prior to the growing season. Rough estimates are provided in the cost section of this proposal for these future management activities.

4. Prescribed burning is a highly effective management tool and may be recommended for your project as it matures. Burning stimulates native species to grow more robustly and also help to deter the presence of many non-native and/or woody species. Prescribed burning, when recommended, will be provided as a separate lump sum cost.

5. In lieu of burning, or during years when the site is not burned, a Spring Dormant Mowing can be used to "clean up" previous year's growth and set the table for the new growing season. This mowing would occur early in the spring, as soon as conditions permit. Spring Dormant Mowing, when recommended, will be provided as a separate lump sum cost.

J. Anticipated Management:

The following table conveys the anticipated management procedures for your project during the first 3 growing seasons. Estimates for these procedures are provided in the cost section of this proposal.

Year	Projected Management Procedures
2017	Complete site mowings to control annual weed canopy (1 or 2 mowings as needed). Project monitoring
2018	Complete site mowing Integrated Plant Management (IPM) – includes spot spraying, spot mowing, wicking, hand weeding, and other techniques to control weeds and invasive species (3 to 4 visits are typical) Project monitoring
2019	Integrated Plant Management (IPM) (3 to 4 visits are typical) Project monitoring
2020	Spring burn to encourage native plant growth and to help deter the presence of non-native and woody species. Integrated Plant Management (IPM) – 3 to 4 visits are typical Project monitoring

K. Costs:

Project Installation:

The work as outlined above (8,000 square feet)
can be completed for the **lump sum** of..... **$4,030***
**less $250 if disking is not needed*

Vegetation Management (on 8,000 sf):

Germination year (2017) management quote:
Complete site mowings as needed *(1 to 2 mowings are typical)*.... **$225/mowing**

Future Management Estimates:

Growing season 2018 *(assumes 3 IPM visits)*..... **$650**
Growing season 2019 *(assumes 3 IPM visits)*..... **$650**
Growing season 2020 *(assumes 3 IPM visits)*..... **$650**
Spring burn 2020..... **$750**

Please note: The ***Future Management Estimates*** are meant to convey typical management costs for projects of similar size and characteristics. Prior to each growing season, you will receive a specified quote from your project manager detailing the recommended management strategies and associated costs for your project.

PRI will provide a follow-up consultation approximately 1 month after the completion of the project (if the project was seeded in the fall, the consultation will occur the following spring). The Restorationist (or salesperson) will meet with the project owner to assess the status of the project, answer any questions, and provide any necessary recommendations. This follow-up consultation will be provided at no additional cost.

L. Guarantee: Prairie Restorations, Inc. (PRI) has a great tradition of successfully installing native landscapes throughout the Upper Midwest. We feel our expertise in this industry is second to none and we stand behind every one of our projects. Because we are confident in our abilities to provide you with the best possible materials and services, we are proud to offer the following guarantee:

On projects installed by PRI crews within the specified dates, we will guarantee successful establishment within three full growing seasons, given the following conditions:

1. *That PRI materials and PRI installation services are used on the project.*
2. *That the failure of the project is not due to the actions of others.*
3. *That PRI staff has been consistently involved with the maintenance of the project (consultation with the client or direct utilization of PRI management services) from*

the time of germination until the end of the third growing season (i.e. mowing, spot spraying, and controlled burning).

This outline provides a step-by-step plan for accomplishing the restoration of this site. If successful establishment does not occur within three full growing seasons, all necessary steps will be taken to ensure the eventual success of the project, at no additional charge. For purposes of this guarantee, successful establishment is defined as follows: That the presence of at least 75% of the original seeded or planted species can be found on site, and that the overall density of vegetation is comprised of no less than 75% native species.

M. Contract:

If you accept the proposal as written and want to proceed with the project, please sign the contract below.

Property Owner: _____ Date:_____

Contractor: Prairie Restorations, Inc. Contract Value$_____

By: _____ Date: _____

Thank you.

Joe Wilberg
Project Manager
Prairie Restorations, Inc.
PO Box 95
Scandia, MN 55073

N. Notes: Please note that this proposal is valid for 1 month (from the date on the proposal). If the proposal is accepted after the 1 month period, PRI reserves the right to modify the proposal based on cost fluctuations and material availability.

Restoration outline prepared by Prairie Restorations, Inc. (PRI), Princeton, Minnesota

Administrator's Report- July 2017

Administration

- Submission of financial reports to the State of Minnesota
- Website updates

Project Pre Application Meetings

- Ecumen Senior Living Facility, 114 Brick St., Stillwater

Conservation Project Technical Assistance and Cost Share

- Beth Meyer final plans and permitting guidance
- Fairview Hospital gully stabilization. Provided a draft design, confirmed installation.
- Andersen Windows 60% plan review and comments
- Riverway work complaint follow up and coordination
- Lakeland raingarden repair evaluation and estimate
- Stillwater Prison parking lot raingarden design

Managing Existing Projects

St. Croix Watershed Improvement Grant

Description: $40,000 grant from St. Croix River Association with a goal to monitor phosphorous discharge to target the location for future phosphorous reduction best management practices (2015-2017).
Activities This Month: Final report submitted.

Lake St. Croix Direct Discharge Grant

Description: $142,000 grant for stormwater quality improvements in Oak Park Heights, Stillwater and Bayport (2014-2018).
Activities This Month: Project has been let, waiting for contractor to begin construction.

Lily Lake Phase III Grant

Description: $109,000 for stormwater quality improvements for areas discharging to Lily Lake (2014-2017)
Activities This Month: Construction oversite and change order technical approvals.

South Beach Flood Damage Repair Grant

Description: $40,000 grant to incorporate native vegetation into a soil filled rip-rap shoreline stabilization project on Lake St. Croix in St. Croix Beach (2014-2016)
Activities This Month: Final report submitted.

South Lake St. Croix Direct Discharge Subwatershed Analysis Grant

Description: $10,000 grant to investigate and prioritize water quality improvement projects in the South MSCWMO (2016).

Activities This Month: Project coordination meeting.

Lake St. Croix Direct Discharge Phase II

Description: $151,000 grant for stormwater quality improvements in Oak Park Heights, Stillwater and Bayport (2015-2018).
Activities This Month: Outreach to targeted landowners. Site survey for curb cut raingarden in catchment SD-13.

Lily Lake Final – 45

Description: $65,000 grant to identify and partially design stormwater practices to reduce phosphorous discharges to Lily Lake by at least 45 lbs. per year.
Activities This Month: Open House at the Chilkoot Café, Stillwater. Subwatershed updates.

Meetings

- Minnesota Stormwater Research Committee- Research proposal review and ranking.
- NEMO Workshop on the Water Planning Meeting
- Washington County Pollinator Technical Meeting