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September 5, 2024

Commissioners
 Shingle Creek and West Mississippi
 Watershed Management Commissions
 Hennepin County, Minnesota

The agenda and meeting packets are available on the Commission's web site.

<http://www.shinglecreek.org/minutes--meeting-packets.html> and <http://www.shinglecreek.org/tac-meetings.html>

Dear Commissioners:

Regular meetings of the Shingle Creek and West Mississippi Watershed Management Commissions will be held Thursday, September 12, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN. Lunch will be served at 12:00 noon and the meetings will convene concurrently at 12:45.

The Commissions will suspend their regular meetings at 12:45 p.m. for the purpose of conducting a public hearing on seven improvement projects, five in the Shingle Creek watershed and two in the West Mississippi watershed

The regular meeting will resume immediately after the public hearings conclude.

The Technical Advisory Committee (TAC) will meet at 11:00 a.m., prior to the regular meeting.

Please make your meal choice from all of the items below and email me at judie@jass.biz to confirm your attendance and your meal selection by **noon, Tuesday, September 10, 2023**. Thank you.

Regards,

Judie A. Anderson, Administrator

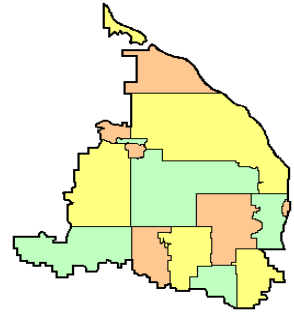
cc: Alternate Commissioners Member Cites Troy Gilchrist TAC Members
 Stantec Consulting Services BWSR MPCA HCEE

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Order your deli sandwich box lunch. Sandwiches come with lettuce, tomato and mayo. As an alternative you may specify your sandwich with **wheat bread or as an **unwich** (lettuce wrapped).**

- | | |
|--|--------------------------------|
| 1 Pepe – Ham and cheese | 2 Big John – Roast beef |
| 3 Totally Tuna – Tuna salad and cucumber | 4 Turkey Tom – Turkey |
| 5 Vito – salami, capocollo, cheese, onion, oil and vinegar, oregano-basil (no mayo) | |
| 6 The Veggie – double cheese, avocado spread, cucumber | |
| 14 Bootlegger Club – Roast beef and turkey | |

Please also indicate: your cookie preference: Chocolate Chip or Oatmeal Raisin and your beverage preference: (W) Water (C) Coke (DC) Diet Coke (S) Sprite (N) None



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A combined regular meeting of the Shingle Creek (SC) and West Mississippi (WM) Watershed Management Commissions will be convened Thursday, September 12, 2024, at 12:45 p.m. Agenda items are available at <http://www.shinglecreek.org/minutes--meeting-packets.html>. *Black typeface denotes SCWM items, blue denotes SC items, green denotes WM items.*

PUBLIC HEARING. The Commissions will suspend their regular meetings at 12:45 p.m. for the purpose of conducting a public hearing on five Shingle Creek and two West Mississippi improvement projects.

A G E N D A
September 12, 2024

1. Call to Order. 12:45
 - SCWM a. Roll Call.
 - ✓ SCWM b. Approve Agenda.*
 - ✓ SCWM c. Approve Minutes of Last Meeting.*
2. Reports.
 - ✓ SC a. Treasurer’s Report and Claims* - voice vote.
 - ✓ WM b. Treasurer’s Report and Claims* - voice vote.

Suspend regular meetings.

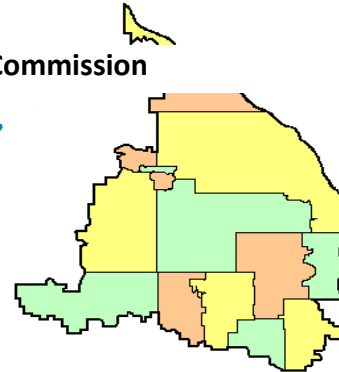
 - SCWM 3. Public Hearing for 2024 Capital Improvement Projects.
 - SCWM a. Staff Report.*
 - SCWM b. Commission discussion.
 - SCWM c. Open Public Meeting.
 - SCWM 1) Receive Written Comments.
 - SCWM 2) Receive Comments from Public.
 - SCWM d. Close Public Hearing.
 - SCWM e. Commission Discussion.
 - ✓ SC f. Consider Resolution SC2024-01.*
 - ✓ WM g. Consider Resolution WM2024-01.*
 - ✓ SC h. Authorize approval of Cooperative Agreements with the City of Brooklyn Park and with the City of Minneapolis at such times as they are prepared.

Resume regular meetings.

 - SCWM 4. Open forum.
 5. Project Reviews.
 - ✓ WM a. WM2024-01 Northpark Buildings 12-13, Brooklyn Park.*

- 6 Water Quality.
 - SCWM a. Inventory of Previous Subwatershed Assessments.*
 - √ WM b. Brooklyn Center | Brooklyn Park Subwatershed Analysis.*
- 7. Grant Opportunities.
 - √ WM a. Brooklyn Center Elementary Cost Share Application.*
- 8. Education and Public Outreach.
 - SCWM a. Next WMWA meeting – via zoom. 8:30 a.m., Tuesday, October 8, 2024.
- 9. Communications.
 - SCWM a. Communications Log.*
 - SCWM b. Staff Report.*
 - 1) Blue Line LRT Stormwater Management.
 - 2) Road Salt Pollution of Surface Waters from Groundwater.
 - 3) Eagle and Pike Lake Internal Load Management.
 - 4) Chloride Management Plan.*
 - 5) Brookdale Park Shingle Creek Remeander and Enhancement.
 - 6) Colorado Infiltration Trench Feasibility Study.
 - 7) Mississippi River Bank Stabilization Study.
 - 8) Education and Outreach Update.
 - 9) Upcoming Stormwater/Watershed Management Conferences.
 - 10) Grant, Cost-Share, and Fund Balance Update.
- SCWM 10. Other Business.
- SCWM 11. Adjournment.

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 * In meeting packet or emailed ** Supplemental email / Available at meeting
 Previously transmitted * Available on website √ Item requires action



REGULAR MEETING MINUTES

August 8, 2024

(Action by the SCWMC appears in blue, by the WMWMC in green and shared information in black.

*indicates items included in the meeting packet.)

I. A joint meeting of the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission was called to order by Shingle Creek Chair Andy Polzin at 12:46 p.m. on Thursday, August 8, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

Present for Shingle Creek: David Mulla, Brooklyn Center; Steve Antolak, Brooklyn Park; Burt Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; Bill Wills, New Hope; John Roach, Osseo; Andy Polzin, Plymouth; and Wayne Sicora, Robbinsdale.

Present for West Mississippi: David Mulla, Brooklyn Center; Steve Antolak, Brooklyn Park; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; and John Roach, Osseo.

Also present were: Ahmed Omer, Brooklyn Center; Mitch Robinson, Brooklyn Park; Heather Nelson, Champlin; Jesse Struve, Crystal; Mark Lahtinen, Maple Grove; Nick Macklem, New Hope; James Kelly, Osseo; Amy Riegel, Plymouth; Richard McCoy, Wendy Scherer, and Jenna Wolf, Robbinsdale; Todd Shoemaker and Katie Kemmitt, Stantec; Troy Gilchrist, Town Law Center; and Judie Anderson, JASS.

II. AGENDAS AND MINUTES.

Motion by Schoch, second by Mulla to approve the **Shingle Creek agenda*** *Motion carried unanimously.*

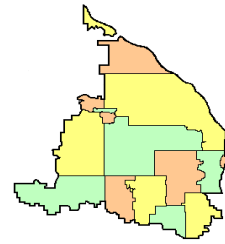
Motion by Jaeger, second by Butcher to approve the **West Mississippi agenda,*** *Motion carried unanimously.*

Motion by Schoch, second by Antolak to approve the **minutes*** of the July 11, 2024, regular meeting. *Motion carried unanimously.*

Motion by Jaeger, second by Roach to approve the **minutes*** of the July 11, 2024, regular meeting. *Motion carried unanimously.*

III. FINANCES AND REPORTS.

A. Motion by Schoch, second by Wills to approve the Shingle Creek **August Treasurer's Report*and claims** totaling \$69,180.83. Voting aye: Mulla, Antolak, Orred, Jaeger, Schoch, Wills, Roach, Polzin, and Sicora; voting nay: none.



B. Motion by Butcher, second by Jaeger to approve the West Mississippi August Treasurer's Report* and claims totaling \$13,752.96. Voting aye: Mulla, Antolak, Butcher, Jaeger, and Roach; voting nay: none.

C. Shingle Creek 2023 Year-End Fund Balances.

1. Restricted for Capital Projects. These are funds levied for specific capital projects. At 2023 year-end this account held \$1,709,920 for a total of six projects and the Maintenance Fund. In 2024, excess levy totaling \$972,216 will be transferred from the Restricted account to the Closed Project Account and an anticipated 2023 levy amount totaling \$824,165 will be deposited in the Restricted account in 2024, resulting in a 2024-year-end total of \$1,561,869.

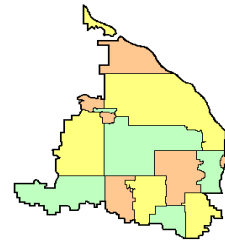
2. Cost Share Projects. There is one outstanding **City Cost Share** project for which reimbursement has not yet been requested, and in 2023 the Commission authorized transferring \$150,000 from City Cost Share to Closed Projects. At 2023 year-end this account held \$297,944. An anticipated 2023 levy amount totaling \$100,000 will be deposited in the City Cost Share account in 2024, resulting in a 2024-year-end total of \$397,944.

The 2023 year-end encumbered balance in the **Partnership Cost Share** account is \$108,873. An anticipated 2023 levy amount totaling \$50,000 will be deposited in the Partnership Cost Share account in 2024, resulting in a 2024-year-end total of \$158,873.

3. Closed Projects Account. The Closed Projects Account (CPA) houses levy funds that remain after reimbursing final project costs. These funds are to be used for capital improvement projects, including the cost of undertaking feasibility studies and to limit future capital levies for new projects. At 2023 year-end this account held \$113,490. An excess levy amount totaling \$737,705 for three projects will be deposited in the CPA in 2024, and \$475,304 in funding will be authorized from the CPA in lieu of a 2024 levy for one project, resulting in a 2024-year-end total of \$357,891.

4. Assigned Funds Balances. In the past, the Commission has acted to assign some of its unrestricted reserves to be held for a specific purpose. One significant Assigned Funds account is the amount set aside from previously levied project funds specifically to complete years four (2023) and five (2024) of curly-leaf pondweed treatment on Bass and Pomerleau Lakes. Funds were also reserved for completion of the 4th Generation Plan. Most of the expenses for 2024 will be the attorney's cost for preparing the JPA update. At 2023 year-end, a total of \$60,813 was set aside for these two tasks.

5. Unrestricted Reserve. This last category of funds is cash on hand that has not been designated for a particular use. This helps with monthly cash flow and is a "rainy day reserve" in the event something unusual occurs, or one of the member cities withdraws from the JPA and no longer is contributing its share of expected revenues. The Commission does not have a policy establishing a desired minimum balance, but the Elm Creek WMO has adopted a policy to maintain a cash reserve equal to either 50% of annual operating revenues or five months of operating expenses. Using the 2024 budget, that minimum reserve balance would be the greater of the amounts \$168,750 (5/12ths yearly expenses) or \$202,500 (50% yearly revenue).



D. West Mississippi 2023 Year-End Fund Balances.

1. Restricted for Capital Projects. At the end of 2023, the Commission held no funds in the Restricted Capital Project account. An anticipated 2023 levy amount totaling \$150,000 will be deposited in the Restricted account in 2024, resulting in a 2024-year-end total of \$150,000.

2. Cost Share Projects. At 2023 year-end the **City Cost Share** account held \$462,747. Since this balance is sizeable, the Commission should consider not certifying a levy in 2024 unless a large potential project is identified.

The 2023 year-end balance in the **Partnership Cost Share** account is \$209,813, with an encumbrance for one project of \$75,000, for a total of \$134,813. An anticipated 2023 levy amount totaling \$100,000 will be deposited in the Partnership Cost Share account in 2024, resulting in a 2024-year-end total of \$234,813.

3. Closed Projects Account. The Closed Projects Account (CPA) houses levy funds that remain after reimbursing final project costs. At 2023 year-end this account held \$151,306 for three projects.

4. Assigned Funds Balances. In the past, the Commission has assigned some of its unrestricted reserves to be held for a specific purpose. These funds total \$154,320 and may continue to be set aside to be used for these purposes or the Commission may elect to unassign the funds and transfer them to Unrestricted Reserves.

a. The **Subwatershed Assessments** account is funds that had been budgeted for the completion of those studies and totals \$40,000.

b. \$25,000 for **flood model updates** were set aside at the time Shingle Creek began updating its HUC8 model, pending more information from the DNR on similar flood modeling that agency was completing in West Mississippi.

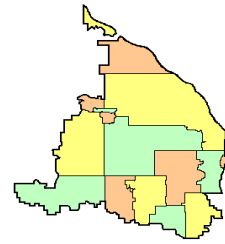
c. The **Grant Match** funds account is funds previously set aside to help fund small projects and now totals \$89,320. Since the Commission has now established a Closed Projects account, these funds could be transferred to that account and restricted to capital projects and feasibility studies in advance of capital projects.

5. Unrestricted Reserve. The last category of funds is the Unrestricted Reserves, which functions the same as in Shingle Creek. Using the Elm Creek reserve policy, West Mississippi's minimum 2024 reserve balance would be the greater of the amounts \$77,200 (5/12ths yearly expenses) or \$113,326 (50% yearly revenue).

In their meeting prior to this one, It was a consensus of the TAC members to recommend that the City Cost Share and Partnership Cost Share items be included in the Shingle Creek 2024 CIP (pay 2025) and not in the West Mississippi 2024 CIP.

IV. OPEN FORUM.

V. OLD BUSINESS.



VI. NEW BUSINESS.

A. At their June 13, 2024, meetings the Commissions established maximum proposed levies for the **2024 Capital Improvement Program (CIP)**.* The next step in the process is to call for a public hearing on those projects and programs that they desire to move forward. In the Shingle Creek watershed there are two proposed capital projects for 2024 as well as the annual cost-share and maintenance fund programs; in West Mississippi there are two annual cost-share programs.

1. **Cost Share Fund.** This annual project provides cost sharing to retrofit voluntary BMPs on city property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$100,000, to be matched at least one-to-one by a member city or cities. Applications are open until funds are depleted.

2. **Partnership Cost Share Fund.** This annual project provides cost sharing to retrofit voluntary BMPs on private property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$50,000, and funding does not require a match. Applications are open year-round until the funds are depleted.

3. **Maintenance Fund.** This program makes funds available for nonstructural practices such as, but not limited to, rough fish management; invasive aquatic vegetation control; alum treatment touch-up; native aquatic vegetation translocation; and maintenance of Commission-installed projects for which a member City is not specifically responsible.

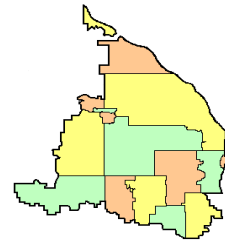
4. **Brookdale Park Natural Channel Phase 1.** This project would remeander about 5,000 feet of Shingle Creek between a drop structure in Brookdale Park and Xerxes Avenue to improve water quality, enhance habitat, and restore natural form and function. In addition, bank stabilization improvements would be made to about 2,000 feet of Shingle Creek between Xerxes Avenue and Palmer Lake. Levy funding is being phased over multiple years; this is the second year of levying for the project.

5. **Minneapolis Shingle Creek Regional Park.** This project is bank stabilization of Shingle Creek between Webber Park and the Brooklyn Center municipal boundary. Includes bank resloping to eliminate eroded and vertical creek banks, erosion protection at pipe outlets, upland vegetation enhancements, and in-stream features to increase dissolved oxygen and aquatic species. The project will likely be implemented in close coordination with the Minneapolis Park and Recreation Board and the City of Minneapolis, both of which are planning improvements within the same corridor.

6. **Cost Share Fund.** This annual project replicates the first Shingle Creek project above. The annual levy is \$50,000

7. **Partnership Cost Share Fund.** This annual project replicates the second Shingle Creek project above. The annual levy is \$100,000.

The final step in the CIP process will be to hold a public hearing on the proposed projects. This should occur at the Commissions' regular September 12, 2024, meeting. At that time the Commis-



sions will formally order the projects and certify levies to Hennepin County.

Motion by Schoch, second by Antolak, to call for a public hearing on the proposed Shingle Creek 2024 CIP at the Commission’s September 12, 2024, regular meeting. Motion carried unanimously.

Motion by Jaeger, second by Butcher, to call for a public hearing on the proposed West Mississippi 2024 CIP at the Commission’s September 12, 2024, regular meeting. Motion carried unanimously.

B. At their June 2024 meeting, the Technical Advisory Committee (TAC) recommended that the Commissions consider a **policy for future use of interest income**. The discussion centered on whether interest income should be used to lower member assessments or if it should be used for funding capital projects. The majority of the Commissions’ interest income is earned from excess capital project funds that have been moved to the closed projects account.

Staff reached out to Bassett Creek WMO for their interest income policy, which states, in part, that

100% of the income from BCWMC long-term investments (e.g., 4M and 4MP funds) will be categorized as “unrestricted” funds and will be posted to a Special Projects Fund within the BCWMC Operating Budget Use of the Special Projects Fund will require approval by the Commission prior to the expenditure.

Based on discussion at their meeting today, the SCWM TAC members were in favor of a similar policy where interest income would be used for Commission capital projects, rather than other, routine costs. It was noted that the Commissions annual operating budget always assumes some interest revenue is available to help pay for general operations. Interest revenue factored into the Commissions’ budgets can range from a hundred to a few thousand dollars. If the Commissions adopted a policy that interest only be used for capital projects, member assessments would likely need to increase in future years. It was a consensus of the TAC that interest earned should be retained in the fund from which it was derived and that this recommendation be forwarded to the Commissions.

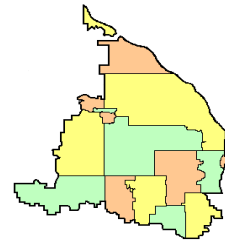
Staff will return to the September meeting with a draft of a policy as discussed.

[Mulla departed 1:40 p.m.]

VII. WATER QUALITY.

At the July Commission meeting, Commissioners discussed and then requested more information about the proposed **Cumulative Impacts Rule**. Staff’s July 29, 2024, memorandum provides a summary of the rule status, implementation, and relation to groundwater and surface water.

In 2023, the Minnesota Legislature passed statute 116.065, which directs the MPCA to develop and implement the Cumulative Impacts Rule. This rule will affect MPCA’s air permitting process in communities that are historically underserved and experience a disproportionate level of pollution burden. The rule aims to affect the MPCA’s air permitting process by creating benchmarks that would require a permittee to conduct a cumulative impacts analysis. If the analysis finds that the permittee would contribute substantial adverse environmental or health impacts, the permittee must enter into

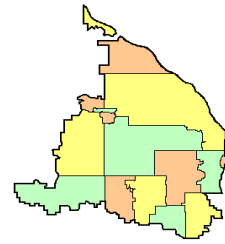


a community benefits agreement. This agreement allows the community to negotiate for projects and benefits most important to them in exchange for their support of the permit. If an agreement cannot be reached, the MPCA cannot issue the permit.

The rule applies to new, expanded, or reissued air permits (major or individual state air permits) for facilities located within one mile of the designated environmental justice areas in Rochester, Duluth, and the seven-county Twin Cities area. According to the MPCA, this includes approximately 120 facilities such as landfills, power plants, refineries, and manufacturing plants. The statute defines environmental justice areas based on specific criteria related to race, household income, English proficiency, and Tribal lands.

While the statute specifies the types of permits (air permits) and locations (environmental justice areas) where this rule applies, the MPCA must establish many of the key implementation details. The MPCA is currently conducting a rulemaking process to develop these details. The agency anticipates proposing the rule for final public comment and legal review in August 2026, with implementation of the Cumulative Impacts Rule beginning in Fall 2026. The general process for implementing the Cumulative Impacts Rule and areas where the MPCA is working to establish details are outlined below.

- 1. Determine if the Permit is Subject to the Cumulative Impacts Rule (both criteria).**
 - a. New, revised, or amended air permit, and
 - b. Within one mile of the designated environmental justice areas in Rochester, Duluth, and the seven-county Twin Cities area.
- 2. Determine if the Permit Requires a Cumulative Impacts Analysis (either criterion)**
 - a. Permit meets certain benchmarks (e.g. environmental stressors or facility characteristics) and requires a cumulative impacts analysis (benchmarks are under development by MPCA), or
 - b. Permit does not meet benchmarks, but the community petitions MPCA to require a cumulative impacts analysis (petition process is under development by MPCA).
- 3. Permittee Conducts a Cumulative Impacts Analysis.** Contents of the analysis are under development by MPCA.
- 4. Determine if Permittee Contributes Substantial Adverse Environmental and Health Impacts.** Definition of substantial adverse environmental and health impacts is under development by MPCA.
- 5. If Yes, Permittee Required to Enter a Community Benefit Agreement.**
 - a. The permittee must address its adverse impacts based on the unique needs of the community.
 - b. If a community benefit agreement cannot be reached, the MPCA cannot



issue the permit.

Currently, the Cumulative Impacts Rule does not apply to non-air permits and does not directly affect MPCA’s stormwater or wastewater permitting processes. However, the extent of groundwater or surface water pollution could be considered during the cumulative impacts analysis, as the statute defines cumulative impacts as “aggregated levels of past and current air, water, and land pollution in a defined geographic area to which current residents are exposed”. MPCA is still determining the indicators that would be required in the cumulative impacts analysis, but their webpage includes examples of water-related indicators such as:

1. Levels of groundwater or surface water contaminants (arsenic, mercury, trichloroethylene, PCBs, PFAS, dioxins/furans, PAHs, phthalates, toluene, etc.)
2. Known areas of groundwater contamination
3. Impaired waterbodies
4. Drinking water quality
5. Number of permitted facilities or permit types in an area (e.g. wastewater discharge permits).

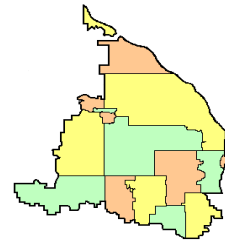
Considering these water-related indicators during the cumulative impacts analysis could influence the MPCA air permitting process. Additionally, if the analysis finds substantial adverse environmental or health impacts, the permittee would enter into a community benefits agreement, which could include projects related to the protection, restoration, or enhancement of water quality in the community. More information about the rulemaking process, including opportunities for public comment and meetings, can be found on MPCA’s [Cumulative Impacts Rulemaking Webpage](#).

VIII. GRANT OPPORTUNITIES.

Applications for Board of Water and Soil Resources (BWSR) Clean Water Fund (CWF) Grants* are due by August 22. The program includes the availability of *Accelerated Implementation Grants* (AIGs) which aim to build capacity for local governments to accelerate on-the-ground projects that improve or protect water quality and perform above and beyond existing state standards for protecting and restoring water quality.

A. Joint Chloride Management Plan. At the July Commission meeting, the Commissions authorized Stantec to proceed with development of a grant proposal for a Clean Water Fund AIG. Staff began developing the grant proposal for a joint chloride management plan between the Shingle Creek, West Mississippi, and Elm Creek WMOs. The management plan will include data analysis and source assessment, identifying stakeholders and their responsibilities, implementation strategies and goals, and how to assess progress. The current draft* of the proposal is included in the meeting packet.

A meeting with a volunteer advisory group will be held on August 13, 2024, to help further refine the grant proposal. The group will make sure that the grant application includes outcomes that will be most helpful to city staff. Staff will incorporate any desired edits and plan to submit the proposal by the August 22 deadline.



Motion by Schoch, second by Antolak directing Staff to submit the application on behalf of Shingle Creek. *Motion carried unanimously.*

Motion by Antolak, second by Jaeger directing Staff to submit the application on behalf of West Mississippi. *Motion carried unanimously.*

B. Mississippi Riverbank Stabilization. The West Mississippi Commission has previously submitted a CWF Projects and Practices grant for the Mississippi Riverbank Stabilization project in Brooklyn Park. The project has not been awarded in previous submittals, but the City of Brooklyn Park would like to submit the project to CWF again this year.

This grant request is to support Phase I of a multi-year project and will restore approximately 715 linear feet of river shoreline with the most severe erosion, reducing excess sediment to the river by 548 tons and TP by 506 pounds per year. The project scope includes final design, administration, and construction on up to seven non-profit and privately-owned properties, targeting stabilization of both the toe of the slope as well as mid-bank destabilization of groundwater seepages.

Phase I of the project was estimated at \$884,000 in 2022 with \$603,000 requested from the BWSR CWF and \$281,000 from local sources including the landowners (\$101,000), the city (\$40,000), Hennepin County (\$40,000), and the Commission (\$100,000). The project budget may increase for this resubmittal to account for changes in labor and material costs.

The Commission previously authorized the preparation of the application and a contribution of \$100,000. Staff's August 6, 2024, memo requests endorsement of the City of Brooklyn Park's request to resubmit the application and confirm the \$100,000 watershed contribution for the project if awarded.

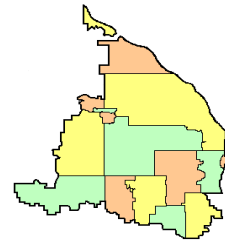
The TAC recommended that the Commission resubmit the application, with inclusion of a letter of support from the West Mississippi Commission.

Motion by Butcher, second by Jaeger to affirm this action. *Motion carried unanimously.* [It was later learned that letters of support are not being accepted for these grants.]

C. 2024 Watershed-Based Implementation Funding (WBIF). The final meeting of the Convene Group occurred on July 22, 2024. The chosen projects total \$343,961, which is the WBIF allocation for Shingle Creek and West Mississippi combined. The WBIF program requires a minimum of 10% match for projects, which will be about \$28,000 for Shingle Creek and \$6,600 for West Mississippi. funded from the Commissions' closed projects accounts. A description of the chosen projects is below.

1. Hennepin County Conservation Specialist (\$46,000 from each watershed). Joint funding for this position will continue through FY2024-2025. The position is a limited duration position to provide water and natural resources education and outreach and technical assistance to residents that leads to implementation of conservation practices. The County will serve as the grantee for the WBIF funding.

2. Crystal and Twin Lakes Carp Management (\$150,000). Updating a carp population estimate, plus one year of carp removals on Crystal Lake and two years of carp removals on



Twin Lakes following the population study scheduled for this fall.

3. Chloride Reduction Actions (\$86,961). A suite of actions including funds for implementing collaborative Chloride Management Plan and implementation actions, such as equipment, outreach and educational programming. Specific actions include:

- a. Funding 25% of a new brining winter salt application system for the City of New Hope, which will help reduce the City’s annual winter salt use by 130 tons.
- b. The Commission is applying for an Accelerated Implementation Grant for developing a Chloride Management Plan, but if the grant is not awarded, WBIF funds will be used for both the plan and implementation.
- c. Additional outreach and educational programming focused on winter chloride use.

4. Lake Magda Subwatershed Study (\$15,000). Complete a survey and desktop subwatershed assessment identifying BMP opportunities in the Lake Magda drainage area.

WBIF projects and each watershed allocation

Project	Shingle Creek	West Mississippi
Hennepin County Conservation Specialist	\$46,000	\$46,000
Carp Management (Crystal & Twin)	\$150,000	
Chloride Reduction Actions	\$66,961	\$20,000
Lake Magda Subwatershed Assessment	\$15,000	
Total	\$277,961	\$66,000

Motion by Schoch, second by Sicora to approve the projects as described and directing Staff to work with BWSR to complete the work plans and proceed to contracting for those programs. *Motion carried unanimously.*

Motion by Jaeger, second by Roach to approve the projects as described and directing Staff to work with BWSR to complete the work plans and proceed to contracting for those programs. *Motion carried unanimously.*

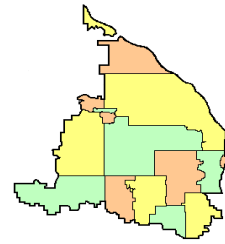
IX. EDUCATION AND PUBLIC OUTREACH.

A. Grace Barcelow’s August Update.*

What have we been working on since the July WMWA Meeting?

1. Released [media kit](#) about **drought and water conservation**. This media kit has information to help residents enhance water conservation efforts during late summer. Residents are encouraged to plant drought-friendly plants, create landscapes resilient to a changing climate, and reduce water usage. There is a newsletter and set of social media posts.

2. Released mailer on **pet waste** that cities and watersheds can use for outreach or send out in mailings. This has been sent out to city communication contacts and can be found on the WMWA media kit page linked above. If you have any questions on obtaining or mailing these materials,



please reach out, grace.barcelow@hennepin.us.

3. Continued planning efforts for **Fish Lake and Eagle Lake workshops**. Created outreach materials. Workshops will be hosted September 5 and 10, from 6pm to 8pm, at the Fish Lake Pavilion (a Three Rivers Park District building).

4. Continued work on **Southgate Apartment complex project** in Bloomington, notably looking for grant funding to address resident needs beyond water quality and habitat improvement work that are important to supporting diversity, equity and inclusion goals.

5. Attended **second steering committee meeting** for Conservation Specialist position. Overall, we are on track and have a plan for work into the future. People are satisfied with the projects and goals we have set. It was decided to cancel future steering committee meetings and wrap content from steering committee meetings into WMWA monthly meetings twice during the year.

What work will be happening before the September WMWA meeting?

6. Continue outreach to involve middle school classrooms in **Adopt-a-Drain K12 program** throughout WMWA watersheds.

7. Engage lake associations and shoreline residents on **Fish and Eagle Lakes** in WMWA workshops.

8. Prepare to host **Green Corps member**, who is starting mid-September and will be supporting WMWA work.

9. Continue work on the **BCWMC project** to reduce chloride entering Parker's Lake in Plymouth, which is impaired for chloride. We will be targeting winter deicer users in the northern subwatershed of the lake and involving them in the Low Salt, No Salt consultation process. We are now working on updating outreach materials to begin involving facilities.

10. Continue engagement process for the **Southgate Apartment project**. Next engagement is scheduled for August 24. Residents will see preliminary designs and can provide feedback.

11. Create **September media kit**. This media kit will have a stormwater focus, highlighting good city street sweeping practices and good fall lawn maintenance practices for clean water, tying messaging in with the Adopt-a-Drain program opportunities.

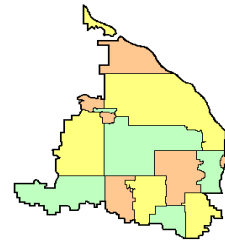
B. **West Metro Water Alliance (WMWA)** will meet at 8:30 a.m., September 10, 2024, via Zoom.

Joanna Sorenson has accepted the Watershed PREP Educator position. She is able to begin work immediately and can be reached at jo.so.enviro.educator@gmail.com.

Motion by Schoch, second by Willis to approve the Educator contract as the fiscal agent for WMWA. Motion carried unanimously.

X. STAFF REPORT.*

A. **August Communications Log.*** No items required action. The item regarding St. Vincent de Paul Cemetery in Osseo should be marked as being in the West Mississippi watershed.



B. Staff Report.*

1. Eagle and Pike Lakes Internal Load Management. Stantec and the City of Maple Grove hosted a bid opening on Tuesday July 9. One bid was received from SOLitude Lake Management and was within the expected budget. Stantec has been working with the City and SOLitude to refine details for a fall alum application.

2. Colorado Infiltration Trench Feasibility Study. The team has reviewed the historic and new soil data and is currently creating geological/geotechnical cross-sections. These sections will be used to perform slope stability analyses of critical sections of the excavation sidewalls. [Staff has subsequently learned that the Commission was not awarded an MPCA Implementation Grant for Stormwater Resilience.]

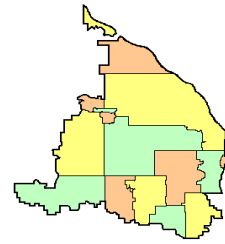
3. Mississippi River Bank Stabilization Study. Stantec is reviewing the data collected earlier this summer and developing some standard stabilization and alternatives, including design details for toe stabilization, vegetative stabilization, and hard armoring. In early August, Stantec will be coordinating with Hennepin County and Brooklyn Park to engage residents to gather feedback from the design alternatives. Stantec will reach out to two of the 11 residents to collect survey data to complete two 30% designs incorporating some of the outlined alternatives.

4. Shingle Creek Crossing Pollutant Loading Analysis. Stantec evaluated pollutant loading at the Shingle Creek (SC) Crossing development in Brooklyn Center. The Commission approved development plans for the site in 2011 and 2012; however, much of the site remains undeveloped or under-utilized. Therefore, the City of Brooklyn Center requested technical assistance from Commission staff to better understand stormwater management, specifically pollutant loading, that could guide potential redevelopment of the site. Stantec used the p8 urban water quality model to calculate existing and proposed conditions loading.

Existing SC Crossing stormwater practices include a pond, three filtration basins, and structural sediment traps. The pond treats a majority of the site with minor treatment by the adjacent filtration basins. Much of the site also drains off-site to the Centerbrook North Regional Pond. The total phosphorus (TP) removal for SC Crossing (29 lb/yr) and North Regional Pond (29 lb/yr) totals approximately 58 lb/yr. The total TP load to Shingle Creek from SC Crossing and Centerbrook ponds is 333 lb/yr.

Potential stormwater management changes to the site include daylighting Shingle Creek so it would bisect two regional ponds that would provide treatment for the entire Shingle Creek Crossing site. The two new SC Crossing ponds would discharge water directly to Shingle Creek and provide approximately 73 lb/yr TP removal, which exceeds the existing 58 lb/yr TP removal. This approach “disconnects” the SC Crossing site from the Centerbrook Regional Pond system, thereby making it more efficient at treating runoff from the 300-acre “North” and “South” drainage areas. The total TP load to Shingle Creek from SC Crossing and the Centerbrook Regional Ponds is 259 lb/yr.

More detailed study is needed to evaluate feasibility of daylighting Shingle Creek and how runoff from the western portion of the SC Crossing site can be conveyed to the new SC Crossing West Pond.



5. Education and Outreach Update. (Also see item X., above, for additional details.)

a. WMWA has been interviewing candidates for the **Watershed PREP educator position** and the selection committee will be recommending contracting with the best candidate at their August 13 meeting.

b. WMWA and Hennepin County are working with Metro Blooms on **shoreline workshops for Eagle Lake** (Shingle Creek) and Fish Lake (Elm Creek). Lake residents will get preferential seating at the workshops and will be eligible for technical design and assistance and a small stipend to defray implementation costs, Hennepin County applied for a Pollinator Pathways grant to supplement this work. They will hear back in August.

6. Upcoming conferences and project updates are outlined on the last two pages of the report.

XI. OTHER BUSINESS.

A. Motion by Schoch, second by Antolak to not waive the monetary limits on municipal tort liability. *Motion carried unanimously.*

Motion by Butcher, second by Jaeger to not waive the monetary limits on municipal tort liability. *Motion carried unanimously.*

B. There being no further business before the Commissions, the joint meeting was adjourned at 2:23 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson".

Judie A. Anderson
Recording Secretary

Shingle Creek Watershed Management Commission Treasurer's Report

	2024 Budget	August	September	%age YTD	2024 YTD
REVENUE					
Application Fees	15,000			35.33	5,300.00
Member Assessments	370,000			100.00	370,000.00
Interest and Dividends	20,000	15,398.78		545.62	109,123.61
Miscellaneous Income					-
TOTAL OPERATING REVENUE	405,000	15,398.78	-		484,423.61
EXPENSE					
ADMINISTRATION					
Administrative Services	70,000	4,877.02	4,765.62	59.82	41,874.28
Engineering Support	15,000	1,043.09	874.67	53.10	7,964.86
Project Reviews	1,500			18.96	284.37
ENGINEERING					
General Engineering	80,000	5,209.25	4,671.06	74.84	59,871.01
Grant Application Writing	12,000	1,361.50	6,988.25	142.96	17,155.00
Project Reviews/WCA	35,000	1,790.25	651.00	77.84	27,243.70
Highway 252/94 EIS Review					173.25
Blue Line Extension		3,834.25	1,039.50		8,070.75
TMDL 5 Year Reviews	5,000			-	-
LEGAL - Legal Services	6,000	391.21	460.72	71.03	4,261.77
JPA Update		720.00			4,207.50
MISCELLANEOUS					
Bookkeeping	8,000	807.00	445.50	84.63	6,770.25
Audit	7,500	6,400.00		85.33	6,400.00
Insurance & Bonding	3,200			104.63	3,348.00
Meeting Expense	6,000	336.73	348.02	89.98	5,398.75
PROGRAMS					
Stream Monitoring	36,000	5,370.16	6,820.24	95.39	34,339.28
Stream Monitoring (USGS)	4,200	3,800.00		90.48	3,800.00
Lake Monitoring	30,000	10,578.29	7,884.54	89.67	26,900.08
Citizen Assisted Lake Monitoring (CAMP)	5,000		399.07	34.74	1,737.07
Volunteer Stream Monitoring (River Watch)	2,000			-	-
Annual Monitoring Report	16,500			99.89	16,482.25
Water Quality Education					
Education Program	24,000	424.87	800.76	37.51	9,001.34
WMWA General (SC Share)	3,000			100.00	3,000.00
WMWA Impl/WS Prep (SC Share)	8,500			94.12	8,000.00
Management Plan/Amendments	1,000				-
Subwatershed BMP Assessment	0				-
Contribution to 5th Generation Plan	0				-
To/From Reserves	25,600				
TOTAL OPERATING EXPENSE	405,000	46,943.62	36,148.95		296,283.51
OPERATING SURPLUS OR (DEFICIT)					188,140.10

Shingle Creek Watershed Management Commission Treasurer's Report

	2024 Budget	August	September	%age YTD	2024 YTD
GRANTS AND CAPITAL PROJECTS					
REVENUE					
Transfer to (from) Grants		32,149.02	-		138,553.02
Transfer to (from) CIPs					502,139.61
Transfer to (from) Closed Projects Account					-
TOTAL GRANT & CIP REVENUE		32,149.02	-		640,692.63
EXPENSE					
SC Trail Feasibility Study					4,345.25
Brookdale Pk SC Remeander Feasibility Stud					10,413.00
Gauke Pond SWA Amendment					-
Eagle Lake SWA					-
Colorado Ave Infiltration Trench Feas Study		6,026.75	2,874.50		10,660.50
Transfer to (from) Grants		5,972.43	3,365.60		35,420.80
Transfer to (from) CIPs		6,796.46	821.25		35,220.28
Transfer to (from) City Cost Share Fund					-
Transfer to (from) Partnership BMP Cost Share Fund					-
Transfer to (from) Closed Projects Account		2,859.75	8,805.87		18,503.37
TOTAL GRANT & CIP EXPENSE		21,655.39	15,867.22		114,563.20
WMWA					
REVENUE					
WMWA Education - Partners					44,000.00
EXPENSE					
WMWA General Admin - Tech		581.82	563.87		5,416.75
WMWA Implementation					134.41
WMWA Educators					4,163.19
WMWA Rain Garden Workshops					-
TOTAL WMWA EXPENSE		581.82	563.87		9,714.35
CASH SUMMARY					
4M Fund Balance at 12/31/23					2,728,740.53
Plus Revenue Received to date					1,191,346.24
Minus Claims Approved to Date					(515,882.65)
Minus Claims Presented Current Month					52,580.04
4M Fund Balance		3,509,364.20			3,456,784.16

Shingle Creek Watershed Management Commission Treasurer's Report

Claims Presented	General Ledger Acct No		September 2024		Total
OTT HydroMet - Cell Monitoring Bass Creek Sta	56004		146.40		146.40
Stantec					44,912.61
General Engineering	51001		4,671.06		
Grant Writing	51005		6,988.25		
Project Reviews	51002		651.00		
Blue Line Extension	51009		1,039.50		
Stream Monitoring	56004		6,673.84		
Lake Monitoring	56010		7,884.54		
CAMP	56002		399.07		
Education	57008		738.13		
Meadow Lake Mgt Plan Phase 2 Grant C	70739		2,475.58		
Crystal Lake Management Plan Grant	70732		890.02		
Eagle and Pike Lakes Internal Load	58035		7,904.87		
Colorado Ave Infiltration Trench Feas Study	58036		2,874.50		
Maintenance Fund CIP	70836		821.25		
Twin and Ryan Lakes Carp Study	58037		901.00		
Town Law Center					460.72
Legal - General	52001		460.72		
Legal - JPA Update	52001				
Judie Anderson's Secretarial Service					563.87
WMWA General Expense	57009		563.87		
WMWA Educators/WS Prep	57011				
Judie Anderson's Secretarial Service					6,496.44
Administration	53001		4,765.62		
Bookkeeping / Audit Prep	54002		445.50		
Meeting Expense	54001		348.02		
Education Programs	57008		62.63		
Engineering Support	53004		874.67		
Total Claims					52,580.04



BILL TO:
Shingle Creek and West Mississippi
Watershed Management Comm
3235 Fernbrook Lane N
Plymouth, MN 55447
MN

SHIP TO:
Stantec
Attn: Katie Kemmitt
7500 Olson Memorial Highway
Suite 300
Golden Valley MN 55427-4886

Customer: SCWMMN

Invoice : ACR/10052939

Date: 08-28-2024

Pos.	Item/Description	Quantity	Unit	Price	Tax	Amount
	Sales Order : 580902					Total w/o tax USD
	Order Date : 03-16-2022					146.40
	Customer PO : 22-024637					
	503399/CLARA PATCH					

EQUIPMENT ON SALES ORDERS 503399

02	VCDMA.1MB.PLAN-S	12.00	ea	12.20		146.40
	VERIZON CDMA 1MB/MO PLAN					
	EFFECTIVE DATE AUG 15, 2024 THROUGH AUG 14, 2025					

Invoice Number	2278316
Invoice Date	September 3, 2024
Purchase Order	--
Customer Number	165842
Project Number	227706654

Bill To

Shingle Creek Watershed
Management Commission
Judie Anderson
3235 Fernbrook Lane
Plymouth MN 55447
United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
Bank of America (BOA)
ABA No. : 111000012
Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
Inc. (SCSI)
13980 Collections Center
Drive
Chicago IL 60693
United States

Project Shingle Creek WMC 2024 Engineering Services

Project Manager	Shoemaker, Todd E	Contract Upset	297,012.75
Current Invoice Total (USD)	29,783.51	Amount Billed to Date For Period Ending	214,937.35 August 23, 2024

Top Task	101	General Engineering
Low Task	101	General Engineering

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Schafermeyer, Benjamin L (Ben)	2.00	133.00	266.00
Capra, Andrea M	0.50	140.00	70.00
Kemmitt, Kathrine Lee (Katie)	17.00	156.00	2,652.00
Megow, Erik Robert	1.00	196.00	196.00
Spector, Diane F	7.25	205.00	1,486.25
Subtotal Professional Services	<u>27.75</u>		<u>4,670.25</u>

Disbursements

Direct - Printing	0.81
Subtotal Disbursements	<u>0.81</u>

Low Task Subtotal	General Engineering	4,671.06
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Top Task Subtotal	General Engineering	4,671.06
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Top Task	102	Project Reviews/WCA
Low Task	102.001	General Project Reviews

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Clapp, Lucas W	3.00	140.00	420.00
Shoemaker, Todd E	1.00	231.00	231.00
Subtotal Professional Services	<u>4.00</u>		<u>651.00</u>

Invoice Number 2278316
Invoice Date September 3, 2024
Purchase Order --
Customer Number 165842
Project Number 227706654

Low Task Subtotal **General Project Reviews** 651.00

Top Task Subtotal Project Reviews/WCA 651.00

Top Task 103 Stream Monitoring

Low Task 103 Stream Monitoring

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Ineza, Raissa Natacha (Raissa)	4.25	109.00	463.25
Neumiller, Grace Catherine	25.25	133.00	3,358.25
Stone, Alicia L (Ali)	11.00	140.00	1,540.00
Subtotal Professional Services	40.50		5,361.50

Disbursements

Direct - Testing & Lab Charges	1,009.50
Usage - Vehicle	302.84
Subtotal Disbursements	1,312.34

Low Task Subtotal **Stream Monitoring** 6,673.84

Top Task Subtotal Stream Monitoring 6,673.84

Top Task 104 Lake Monitoring

Low Task 104 Lake Monitoring

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Ineza, Raissa Natacha (Raissa)	6.00	109.00	654.00
Neumiller, Grace Catherine	11.25	133.00	1,496.25
Avidan, Kaitlyn M	5.50	140.00	770.00
Clapp, Lucas W	6.00	140.00	840.00
Doerr, Sylvia M	0.25	140.00	35.00
Stone, Alicia L (Ali)	14.50	140.00	2,030.00
Kemmitt, Kathrine Lee (Katie)	1.25	156.00	195.00
Subtotal Professional Services	44.75		6,020.25

Disbursements

Direct - Other Direct Expenses	1,064.10
Direct - Testing & Lab Charges	601.00
Usage - Vehicle	171.52
Direct - Vehicle (mileage)	27.67

Invoice Number 2278316
Invoice Date September 3, 2024
Purchase Order --
Customer Number 165842
Project Number 227706654

Subtotal Disbursements 1,864.29

Low Task Subtotal **Lake Monitoring** 7,884.54

Top Task Subtotal Lake Monitoring 7,884.54

Top Task 105 **CAMP**
Low Task 105 **CAMP**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Avidan, Kaitlyn M	2.75	140.00	385.00
Subtotal Professional Services	<u>2.75</u>		<u>385.00</u>

Disbursements

Usage - Vehicle	14.07
Subtotal Disbursements	<u>14.07</u>

Low Task Subtotal **CAMP** 399.07

Top Task Subtotal CAMP 399.07

Top Task 108 **Grant Writing**
Low Task 108 **Grant Writing**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kemmitt, Kathrine Lee (Katie)	27.50	156.00	4,290.00
Beneke, Thomas S (Tom)	0.50	169.00	84.50
Spector, Diane F	12.75	205.00	2,613.75
Subtotal Professional Services	<u>40.75</u>		<u>6,988.25</u>

Low Task Subtotal **Grant Writing** 6,988.25

Top Task Subtotal Grant Writing 6,988.25

Top Task 109 **Education & Outreach**
Low Task 109 **Education & Outreach**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kemmitt, Kathrine Lee (Katie)	1.25	156.00	195.00
Spector, Diane F	6.25	205.00	1,281.25

SC - 738.13
 WM - 738.12

Invoice Number 2278316
 Invoice Date September 3, 2024
 Purchase Order --
 Customer Number 165842
 Project Number 227706654

Subtotal Professional Services 7.50 1,476.25

Low Task Subtotal **Education & Outreach** 1,476.25

Top Task Subtotal Education & Outreach 1,476.25

Top Task 110 Blue Line LRT Review

Low Task 110 Blue Line LRT Review

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Shoemaker, Todd E	4.50	231.00	1,039.50
Subtotal Professional Services	<u>4.50</u>		<u>1,039.50</u>

Low Task Subtotal **Blue Line LRT Review** 1,039.50

Top Task Subtotal Blue Line LRT Review 1,039.50

Total Fees & Disbursements 29,783.51
INVOICE TOTAL (USD) 29,783.51

Net Due in 30 Days or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager



INVOICE

Invoice Number 2276519
Invoice Date August 28, 2024
Purchase Order --
Customer Number 165842
Project Number 227705219

Bill To

Shingle Creek Watershed
 Management Commission
 Judie Anderson
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project	Meadow Lake Management Plan Phase 2		
Project Manager	Spector, Diane F	Contract Upset	102,810.00
Current Invoice Total (USD)	2,475.58	Amount Billed to Date For Period Ending	75,262.56 August 23, 2024

Top Task	100	Professional Services
Low Task	100.101	Project Management and Reporting

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Neumiller, Grace Catherine	7.25	133.00	964.25
Avidan, Kaitlyn M	3.50	140.00	490.00
Spector, Diane F	3.00	205.00	615.00
Subtotal Professional Services	13.75		2,069.25

Low Task Subtotal	Project Management and Reporting	2,069.25
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Low Task	100.102	Monitoring and Data Gathering
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Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Ineza, Raissa Natacha (Raissa)	1.50	109.00	163.50
Clapp, Lucas W	1.50	140.00	210.00
Subtotal Professional Services	3.00		373.50

Disbursements

Usage - Vehicle	32.83
Subtotal Disbursements	32.83

Low Task Subtotal	Monitoring and Data Gathering	406.33
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Top Task Subtotal	Professional Services	2,475.58
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Invoice Number	2276519
Invoice Date	August 28, 2024
Purchase Order	—
Customer Number	165842
Project Number	227705219

Total Fees & Disbursements	2,475.58
INVOICE TOTAL (USD)	2,475.58

Due upon receipt or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager

Invoice Number 2276516
Invoice Date August 28, 2024
Purchase Order --
Customer Number 165842
Project Number 227701416

Bill To

Shingle Creek Watershed
 Management Commission
 Accounts Payable
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project	B001240-20-216: Crystal Lake Management Plan		
Project Manager	Spector, Diane F	Contract Upset	140,830.00
Current Invoice Total (USD)	890.02	Amount Billed to Date For Period Ending	171,558.28 August 23, 2024

Top Task	102B	Carp Removal	
Disbursements			
		Usage - Vehicle	71.02
		Subtotal Disbursements	<u>71.02</u>
Top Task Subtotal	Carp Removal		71.02

Top Task	104	Semi-annual & Final Report	
<u>Professional Services</u>			
Category/Employee		Current Hours	Current Amount
	Kemmitt, Kathrine Lee (Katie)	5.25	156.00 819.00
	Subtotal Professional Services	<u>5.25</u>	<u>819.00</u>
Top Task Subtotal	Semi-annual & Final Report		819.00

Total Fees & Disbursements 890.02
INVOICE TOTAL (USD) **890.02**

Due upon receipt or in accordance with terms of the contract

**Stantec will not change our banking information. If you receive a request noting our banking information has changed,
 please contact your Stantec Project Manager**

Invoice Number 2276496
Invoice Date August 28, 2024
Purchase Order --
Customer Number 165842
Project Number 227706845

Bill To

Shingle Creek Watershed
 Management Commission
 Judie Anderson
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project	Eagle and Pike Lakes Internal Load			
	Project Manager	Kemmitt, Katie	Contract Upset	123,304.00
	Current Invoice Total (USD)	7,904.87	Amount Billed to Date For Period Ending	16,850.62 August 23, 2024

Top Task 100 Engineering Support for Alum Treatments

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Ineza, Raissa Natacha (Raissa)	4.50	109.00	490.50
Morck, Jean Kinney	0.75	121.00	90.75
Kemmitt, Kathrine Lee (Katie)	25.00	156.00	3,900.00
Twete, Jordan Lane	2.50	165.00	412.50
Lofton, Dendy D	12.75	196.00	2,499.00
Shoemaker, Todd E	0.75	231.00	173.25
Subtotal Professional Services	46.25		7,566.00

Disbursements

Direct - Postage & Courier	30.73
Direct - Vehicle (mileage)	28.14
Subtotal Disbursements	58.87

Top Task Subtotal Engineering Support for Alum Treatments 7,624.87

Top Task 200 Phosphorus Monitoring

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Lovell, Shirley R	2.00	140.00	280.00
Subtotal Professional Services	2.00		280.00

Top Task Subtotal Phosphorus Monitoring 280.00



INVOICE

Invoice Number	2276496
Invoice Date	August 28, 2024
Purchase Order	—
Customer Number	165842
Project Number	227706845

Total Fees & Disbursements	7,904.87
INVOICE TOTAL (USD)	7,904.87

Net Due in 30 Days or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager



INVOICE

Invoice Number 2276507
Invoice Date August 28, 2024
Purchase Order ---
Customer Number 165842
Project Number 227706843

Bill To

Shingle Creek Watershed
 Management Commission
 Judie Anderson
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project	Colorado Avenue Infiltration Trench Feasibility Study		
Project Manager	Shoemaker, Todd E	Contract Upset	20,140.00
Current Invoice Total (USD)	2,874.50	Amount Billed to Date For Period Ending	10,660.50 August 23, 2024

Top Task	200	Geotechnical Evaluation		
<u>Professional Services</u>				
Category/Employee		Current Hours	Rate	Current Amount
	Eickenberg, Paul Thomas	0.50	205.00	102.50
	Shoemaker, Todd E	12.00	231.00	2,772.00
	Subtotal Professional Services	<u>12.50</u>		<u>2,874.50</u>
Top Task Subtotal	Geotechnical Evaluation			2,874.50
	Total Fees & Disbursements			<u>2,874.50</u>
	INVOICE TOTAL (USD)			2,874.50

Net Due in 30 Days or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager



INVOICE

Invoice Number 2276494
Invoice Date August 28, 2024
Purchase Order --
Customer Number 165842
Project Number 227706842

Bill To

Shingle Creek Watershed
 Management Commission
 Judie Anderson
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project 2024 Proposed Maintenance Fund Activities

Project Manager	Kemmitt, Katie	Contract Upset	11,864.60
Current Invoice Total (USD)	821.25	Amount Billed to Date For Period Ending	7,555.12 August 23, 2024

Top Task 100 2024 Proposed Maintenance Fund

Low Task 100.002 France Ave Barrier

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Neumiller, Grace Catherine	3.25	133.00	432.25
Avidan, Kaitlyn M	2.50	140.00	350.00
Kemmitt, Kathrine Lee (Katie)	0.25	156.00	39.00
Subtotal Professional Services	<u>6.00</u>		<u>821.25</u>

Low Task Subtotal **France Ave Barrier** 821.25

Top Task Subtotal 2024 Proposed Maintenance Fund 821.25

Total Fees & Disbursements 821.25
INVOICE TOTAL (USD) **821.25**

Net Due in 30 Days or in accordance with terms of the contract

**Stantec will not change our banking information. If you receive a request noting our banking information has changed,
 please contact your Stantec Project Manager**



INVOICE

Invoice Number	2276499
Invoice Date	August 28, 2024
Purchase Order	--
Customer Number	165842
Project Number	227707031

Bill To

Shingle Creek Watershed
Management Commission
Judie Anderson
3235 Fernbrook Lane
Plymouth MN 55447
United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
Bank of America (BOA)
ABA No. : 111000012
Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
Inc. (SCSI)
13980 Collections Center
Drive
Chicago IL 60693
United States

Project	Shingle Creek WMC Twin and Ryan Lakes Carp Study		
Project Manager	Kemmitt, Katie	Contract Upset	38,000.00
Current Invoice Total (USD)	901.00	Amount Billed to Date	1,652.75
		For Period Ending	August 23, 2024

Top Task	100	Conduct Common Carp Surveys		
<u>Professional Services</u>				
Category/Employee		Current Hours	Rate	Current Amount
		Berner, Bradley Michael (Brad)	3.25	140.00
		Stone, Alicia L (Ali)	0.50	140.00
		Varian, Anna	2.00	149.00
		Subtotal Professional Services	<u>5.75</u>	<u>823.00</u>
Top Task Subtotal	Conduct Common Carp Surveys			823.00

Top Task	300	Project Management, Meetings and Coordination		
<u>Professional Services</u>				
Category/Employee		Current Hours	Rate	Current Amount
		Kemmitt, Kathrine Lee (Katie)	0.50	156.00
		Subtotal Professional Services	<u>0.50</u>	<u>78.00</u>
Top Task Subtotal	Project Management, Meetings and Coordination			78.00

Total Fees & Disbursements	<u>901.00</u>
INVOICE TOTAL (USD)	901.00

Net Due in 30 Days or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager



September 02, 2024

JASS Watershed Administrators
Shingle Creek Watershed Management Commission
3235 Fernbrook Lane
Plymouth, MN 55447

Bill Period: 08-01-2024 - 08-31-2024

Fees	450.00
Expenses	10.72
Total for this Bill	460.72
Previous Balance	0.00
Total Amount to Pay as of 09-02-2024	460.72

Town Law Center PLLP
1250 Wayzata Blvd E
Unit 1065
Wayzata, MN 55391

September 02, 2024

Bill Number: 144

Bill Period: 08-01-2024 - 08-31-2024

RE: General Matters

General Matters

General Matters

Time Details

Date	Professional	Description	Hours	Rate	Amount
08-01-2024	Troy Gilchrist	Review and revise educator agreement; email same to Amy J for review	0.30	225.00	67.50
08-08-2024	Troy Gilchrist	Prepare for, travel to, and attend meeting	1.70	225.00	382.50
Total					450.00

Time Summary

Professional	Hours	Rate	Amount
Troy Gilchrist	2.00	225.00	450.00
Total			450.00

Expenses

Date	Professional	Description	Amount
08-08-2024	Troy Gilchrist	Mileage to attend meeting	10.72
Total Expenses			10.72

Total for this Bill 460.72

Previous Balance 0.00

Total Amount to Pay as of 09-02-2024 460.72

Outstanding Balance as of 09-02-2024

Current	30 Days	60 Days	90 Days	120 Days	180+ Days	Total
460.72	0.00	0.00	0.00	0.00	0.00	460.72



Your Virtual Administrator

3235 Fernbrook Lane N
Plymouth MN 55447

Shingle Creek Watershed Management Commission
3235 Fernbrook Lane
Plymouth MN 55447

September 3, 2024

Re: 2024 WMWA General Expense and Watershed PREP

Description	Rate	Hours/ No.	Amount	Total
General Expense				
Administrative	75.00	6.13	459.75	
Administrative - website, Facebook, Twitter	75.00		-	
Offsite, WMWA meetings, Blue Thumb, Watershed Partners, Home Expo, Henn County, city events	80.00	1.00	80.00	
Website hosting, Godaddy renewal	1.00		-	
Outlook expense	13.75	1.00	13.75	
Reimbursables	1.00	10.37	10.37	
Total General Expense				563.87
Watershed PREP				
Administrative	75.00		-	
Offsite	80.00		-	
Reimbursables	1.00		-	
Total Watershed PREP				-
Total this invoice				563.87
Partner Share				140.97



3235 Fernbrook Lane
Plymouth MN 55447

Shingle Creek / West Mississippi Watershed Management Commissions
3235 Fernbrook Lane
Plymouth, MN 55447

September 3, 2024

	Share	G/L	Shingle Creek			West Mississippi			Total Project Area	
			SC	WM	Total	SC	WM	Total	SC	WM
Administrative		53001	10.75	75.00	806.25	7.50	75.00	562.50		
Admin - Offsite		53001		80.00	-		80.00	-		
Administrative	70-30	53001	39.16	75.00	2,055.90		75.00	881.10		
Administrative - Convene	50-50	53001		75.00	-		75.00	-		
Admin - offsite	70-30	53001	2.12	80.00	118.72		80.00	50.88		
Office Support	70-30	53001	27.50	75.00	1,443.75		75.00	618.75		
Data Processing/File Mgmt		53001		75.00	-		75.00	-		
Data Processing/File Mgmt	70-30	53001		75.00	-		75.00	-		
Annual Storage Rental -.14/.11		53001	1.00	54.74	54.74	1.00	43.01	43.01		
Administration Reimbursables		53001	286.26	1.00	286.26	99.03	1.00	99.03	4,765.620	2,255.270
Bookkeeping		54022	4.34	75.00	325.50	2.51	75.00	188.25		
Bookkeeping Subscription		54022	2.00	60.00	120.00	2.00	60.00	120.00		
Audit Prep		54022		75.00	-		75.00	-	445.500	308.250
Meal Expense	70-30	54001	497.17	1.00	348.02		1.00	149.15	348.019	149.151
Project / WCA Reviews - Admin		53002		75.00	-	0.33	75.00	24.75		
Project / WCA Reviews -Reimbursables		53002		1.00	-		1.00	-	0.000	24.750
Education - Admin	50-50	57008		70.00	-		70.00			
Education - Admin	50-50	57008		75.00	-		75.00	9.38		
Education - Admin - virtual	50-50	57008		80.00	-		80.00			
Website	50-50	57008	1.67	75.00	62.63		75.00	62.63		
Renew website domain, zoom	50-50	57008		1.00	-		1.00			
Education - Reimbursables	50-50	57007		1.00	-		1.00		62.625	62.625
Engineering Support - Admin	70-30	53004	14.10	75.00	740.25		75.00	317.25		
Engineering Support - virtual		53004		80.00	-		80.00	-		
Engineering Support - Secre	70-30	53004		70.00	-		70.00			
Engineering Support - Admin	70-30	53004		75.00	-		75.00	-		
Engineering Support - offsite	70-30	53004	1.78	80.00	99.68		80.00	42.72		
Engineering Support - Reimbursables		53004	34.29	1.00	34.74	14.69	1.00	14.69	874.673	374.660
Engineering Support - CIP Admin		53004		75.00	-		75.00	37.50		
Engineering Support - CIP Admin	50-50	53004		75.00	-		75.00	-		
Engineering Support - CIP Reimbursables		53004		1.00	-		1.00	-	0.00	
									6,496.44	3,174.706

**West Mississippi Watershed Management Commission
Treasurer's Report**

	2024 Budget	August	September	%age YTD	2024 YTD
REVENUE					
Application Fees	20,000			0.00	-
Member Assessments	160,000			100.00	160,000.00
Interest & Dividend Income	5,000	5,908.48		917.61	45,880.42
Miscellaneous Income					-
<i>Transfer to (from) CIPs</i>					82,513.42
<i>Transfer to (from) Grants</i>					-
<i>To (From) Reserve</i>	8,000				-
TOTAL REVENUE	193,000	5,908.48	-		288,393.84
EXPENSES					
ADMINISTRATION					
Administrative Services	32,000	2,281.22	2,255.27	66.41	21,251.62
Engineering Support	4,000	447.04	374.66	84.68	3,387.18
Project Reviews	1,500		24.75	3.30	49.50
ENGINEERING					
General Engineering	35,000	2,676.25	2,217.00	71.12	24,891.47
Grant Application Writing	500				-
Project Review	30,000	409.50	3,808.00	29.65	8,896.25
Highway 252/94 EIS Review					1,617.00
LEGAL					
Legal Services	5,000	391.21	393.22	69.94	3,496.77
JPA Update		720.00			4,185.00
MISCELLANEOUS					
Bookkeeping	4,000	308.25	308.25	100.14	4,005.75
Audit	6,500	4,800.00		73.85	4,800.00
Insurance & Bonding	3,000			96.87	2,906.00
Meeting Expense	3,000	144.31	149.15	77.13	2,313.75
PROJECTS					
Outfall and Stream Monitoring	24,000	304.50	4,031.31	25.24	6,057.81
Annual Monitoring Report	8,000			101.48	8,118.12
Water Quality Education					
Education	24,000	424.88	800.75	37.51	9,001.33
WMWA General Programs	3,000			100.00	3,000.00
WMWA Implementation/Watershed Prep	8,500			94.12	8,000.00
Management Plan/Amendments	1,000				-
<i>Transfer to (from) CIPs</i>					-
<i>Transfer to (from) Grants</i>		845.80			6,435.55
<i>To (from) Reserves</i>					-
TOTAL OPERATING EXPENSE	193,000	13,752.96	14,362.36		122,413.10
CASH SUMMARY					
4M Fund Balance at 12/31/23					1,314,028.04
Plus Revenue Received to Date					288,910.72
Minus Claims Approved to Date					(288,593.75)
Minus Claims Presented Current Month					14,362.36
4M Fund Balance		1,343,069.73			1,328,707.37

**West Mississippi Watershed Management Commission
Treasurer's Report**

Claims Presented	General Ledger Acct No.	September 2024		Total
				10,794.43
Stantec				10,794.43
General Engineering	51001	2,217.00		
Project Reviews	51002	3,808.00		
Stream and Outfall Monitoring	58011	4,031.31		
Education Program	57008	738.12		
Miss Riverbank Stabilization Feasibility Study	70602			
Town Law Center				393.22
Legal - General	52001	393.22		
Legal - JPA Update	52001			
Judie Anderson's Secretarial Service				3,174.71
Administration	53001	2,255.27		
Bookkeeping / Audit Prep	54002	308.25		
Project Review Support	53002	24.75		
Meeting Expense - Previous Mo. Meal	54001	149.15		
Education Programs	57008	62.63		
Engineering Support	53004	374.66		
Total Claims				14,362.36

Invoice Number 2276511
Invoice Date August 28, 2024
Purchase Order --
Customer Number 165866
Project Number 227706622

Bill To

West Mississippi Watershed
 Management Commission
 Judie Anderson
 3235 Fernbrook Lane
 Plymouth MN 55447
 United States

EFT/ACH Remit To (Preferred)

Stantec Consulting Services Inc. (SCSI)
 Bank of America (BOA)
 ABA No. : 111000012
 Account No: 3752096026

Alternative Remit To

Stantec Consulting Services
 Inc. (SCSI)
 13980 Collections Center
 Drive
 Chicago IL 60693
 United States

Project	West Mississippi WMC 2024 Engineering Services		
Project Manager	Shoemaker, Todd E	Contract Upset	89,000.00
Current Invoice Total (USD)	10,056.31	Amount Billed to Date For Period Ending	41,462.53 August 23, 2024

Top Task 1000 **General Engineering**
Low Task 1000 **General Engineering**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Wochenske, Jordan	0.25	149.00	37.25
Kemmitt, Kathrine Lee (Katie)	8.75	156.00	1,365.00
Spector, Diane F	3.75	205.00	768.75
Subtotal Professional Services	<u>12.75</u>		<u>2,171.00</u>

Disbursements

Direct - Printing	0.44
Direct - Vehicle (mileage)	45.56
Subtotal Disbursements	<u>46.00</u>

Low Task Subtotal **General Engineering** 2,217.00

Top Task Subtotal General Engineering 2,217.00

Top Task 2000 **Stream & Outfall Monitoring**
Low Task 2000 **Stream & Outfall Monitoring**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Ineza, Raissa Natacha (Raissa)	5.00	109.00	545.00
Neumiller, Grace Catherine	9.00	133.00	1,197.00
Avidan, Kaitlyn M	1.00	140.00	140.00
Stone, Alicia L (Ali)	14.25	140.00	1,995.00
Lofton, Dendy D	0.25	196.00	49.00

Invoice Number	2276511
Invoice Date	August 28, 2024
Purchase Order	--
Customer Number	165866
Project Number	227706622

Subtotal Professional Services	29.50	3,926.00
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Disbursements

Direct - Testing & Lab Charges	101.50
Direct - Field Supplies	3.81
Subtotal Disbursements	105.31

Low Task Subtotal	Stream & Outfall Monitoring	4,031.31
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Top Task Subtotal	Stream & Outfall Monitoring	4,031.31
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Top Task	2024	Project Reviews/WCA
Low Task	2024.001	General Project Reviews

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Clapp, Lucas W	6.25	140.00	875.00
Shoemaker, Todd E	11.00	231.00	2,541.00
Subtotal Professional Services	17.25		3,416.00

Low Task Subtotal	General Project Reviews	3,416.00
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Low Task	2024.002	WCA
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Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kaster, Anthony R (Tony)	2.00	196.00	392.00
Subtotal Professional Services	2.00		392.00

Low Task Subtotal	WCA	392.00
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Top Task Subtotal	Project Reviews/WCA	3,808.00
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Total Fees & Disbursements	10,056.31
INVOICE TOTAL (USD)	10,056.31

Net Due in 30 Days or in accordance with terms of the contract

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Invoice Number	2278316
Invoice Date	September 3, 2024
Purchase Order	--
Customer Number	165842
Project Number	227706654

Subtotal Disbursements	1,864.29
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Low Task Subtotal	Lake Monitoring	7,884.54
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Top Task Subtotal	Lake Monitoring	7,884.54
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Top Task	105	CAMP
Low Task	105	CAMP

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Avidan, Kaitlyn M	2.75	140.00	385.00
Subtotal Professional Services	2.75		385.00

Disbursements

Usage - Vehicle	14.07
Subtotal Disbursements	14.07

Low Task Subtotal	CAMP	399.07
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Top Task Subtotal	CAMP	399.07
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Top Task	108	Grant Writing
Low Task	108	Grant Writing

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kemmitt, Kathrine Lee (Katie)	27.50	156.00	4,290.00
Beneke, Thomas S (Tom)	0.50	169.00	84.50
Spector, Diane F	12.75	205.00	2,613.75
Subtotal Professional Services	40.75		6,988.25

Low Task Subtotal	Grant Writing	6,988.25
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Top Task Subtotal	Grant Writing	6,988.25
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Top Task	109	Education & Outreach
Low Task	109	Education & Outreach

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Kemmitt, Kathrine Lee (Katie)	1.25	156.00	195.00
Spector, Diane F	6.25	205.00	1,281.25



INVOICE

SC - 738.13
WM - 738.12

Invoice Number 2278316
Invoice Date September 3, 2024
Purchase Order --
Customer Number 165842
Project Number 227706654

Subtotal Professional Services 7.50 1,476.25

Low Task Subtotal Education & Outreach 1,476.25

Top Task Subtotal Education & Outreach 1,476.25

Top Task 110 Blue Line LRT Review
Low Task 110 Blue Line LRT Review

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Shoemaker, Todd E	4.50	231.00	1,039.50
Subtotal Professional Services	4.50		1,039.50

Low Task Subtotal Blue Line LRT Review 1,039.50

Top Task Subtotal Blue Line LRT Review 1,039.50

Total Fees & Disbursements 29,783.51
INVOICE TOTAL (USD) 29,783.51

Net Due in 30 Days or in accordance with terms of the contract

Stantec will not change our banking information. If you receive a request noting our banking information has changed, please contact your Stantec Project Manager



September 02, 2024

JASS Watershed Administrators
West Mississippi Watershed Management Commission
3235 Fernbrook Lane
Plymouth, MN 55447

Bill Period: 08-01-2024 - 08-31-2024

Fees	382.50
Expenses	10.72
Total for this Bill	393.22
Previous Balance	0.00
Total Amount to Pay as of 09-02-2024	393.22

Town Law Center PLLP
1250 Wayzata Blvd E
Unit 1065
Wayzata, MN 55391

September 02, 2024

Bill Number: 158

Bill Period: 08-01-2024 - 08-31-2024

RE: General Matters

General Matters

General Matters

Time Details

Date	Professional	Description	Hours	Rate	Amount
08-08-2024	Troy Gilchrist	Prepare for, travel to, and attend meeting	1.70	225.00	382.50
Total					382.50

Time Summary

Professional	Hours	Rate	Amount
Troy Gilchrist	1.70	225.00	382.50
Total			382.50

Expenses

Date	Professional	Description	Amount
08-08-2024	Troy Gilchrist	Mileage to attend meeting	10.72
Total Expenses			10.72

Total for this Bill 393.22

Previous Balance 0.00

Total Amount to Pay as of 09-02-2024 393.22

Outstanding Balance as of 09-02-2024

Current	30 Days	60 Days	90 Days	120 Days	180+ Days	Total
393.22	0.00	0.00	0.00	0.00	0.00	393.22



3235 Fernbrook Lane
Plymouth MN 55447

Shingle Creek / West Mississippi Watershed Management Commissions
3235 Fernbrook Lane
Plymouth, MN 55447

September 3, 2024

	Share	G/L	Shingle Creek			West Mississippi			Total Project Area	
			SC	WM	Total	SC	WM	Total	SC	WM
Administrative		53001	10.75	75.00	806.25	7.50	75.00	562.50		
Admin - Offsite		53001		80.00	-		80.00	-		
Administrative	70-30	53001	39.16	75.00	2,055.90		75.00	881.10		
Administrative - Convene	50-50	53001		75.00	-		75.00	-		
Admin - offsite	70-30	53001	2.12	80.00	118.72		80.00	50.88		
Office Support	70-30	53001	27.50	75.00	1,443.75		75.00	618.75		
Data Processing/File Mgmt		53001		75.00	-		75.00	-		
Data Processing/File Mgmt	70-30	53001		75.00	-		75.00	-		
Annual Storage Rental -.14/.11		53001	1.00	54.74	54.74	1.00	43.01	43.01		
Administration Reimbursables		53001	286.26	1.00	286.26	99.03	1.00	99.03	4,765.620	2,255.270
Bookkeeping		54022	4.34	75.00	325.50	2.51	75.00	188.25		
Bookkeeping Subscription		54022	2.00	60.00	120.00	2.00	60.00	120.00		
Audit Prep		54022		75.00	-		75.00	-	445.500	308.250
Meal Expense	70-30	54001	497.17	1.00	348.02		1.00	149.15	348.019	149.151
Project / WCA Reviews - Admin		53002		75.00	-	0.33	75.00	24.75		
Project / WCA Reviews -Reimbursables		53002		1.00	-		1.00	-	0.000	24.750
Education - Admin	50-50	57008		70.00	-		70.00			
Education - Admin	50-50	57008		75.00	-		75.00	9.38		
Education - Admin - virtual	50-50	57008		80.00	-		80.00			
Website	50-50	57008	1.67	75.00	62.63		75.00	62.63		
Renew website domain, zoom	50-50	57008		1.00	-		1.00			
Education - Reimbursables	50-50	57007		1.00	-		1.00		62.625	62.625
Engineering Support - Admin	70-30	53004	14.10	75.00	740.25		75.00	317.25		
Engineering Support - virtual		53004		80.00	-		80.00	-		
Engineering Support - Secre	70-30	53004		70.00	-		70.00			
Engineering Support - Admin	70-30	53004		75.00	-		75.00	-		
Engineering Support - offsite	70-30	53004	1.78	80.00	99.68		80.00	42.72		
Engineering Support - Reimbursables		53004	34.29	1.00	34.74	14.69	1.00	14.69	874.673	374.660
Engineering Support - CIP Admin		53004		75.00	-		75.00	37.50		
Engineering Support - CIP Admin	50-50	53004		75.00	-		75.00	-		
Engineering Support - CIP Reimbursables		53004		1.00	-		1.00	-	0.00	
									6,496.44	3,174.706

To: Shingle Creek/West Mississippi WMO Commissioners & TAC

From: Todd Shoemaker, P.E.
Katie Kemmitt

Date: September 4, 2024

Subject: Public Hearing 2024 Capital Projects
Project 2024-01 Shingle Creek City Cost Share BMPs
Project 2024-02 Shingle Creek Partnership Cost Share
Project 2024-03 Shingle Creek Project maintenance Fund
Project 2024-04 Brookdale Park Natural Channel Phase I
Project 2024-05 Minneapolis Shingle Creek Regional Park
Project 2024-06 West Mississippi Cost Share BMPs
Project 2024-07 West Mississippi Partnership Cost Share

**Recommended
Commission Action**

The County Board has approved both maximum levies. Conduct a public hearing on the proposed projects. Each Commission should approve their respective resolutions ordering the projects and certifying the levies.

The purpose of the public hearing is to consider the proposed projects and their financing and to take comment from the member cities and the public. The recommended order of business is as follows:

1. Staff report on projects and proposed financing
2. Commissioner discussion
3. Each Commission should open a public hearing, which can run concurrently
4. Take comments from member cities
5. Take comments from the public
6. Close the public hearings
7. Commissioner discussion
8. The Shingle Creek Commission should consider the following resolution (a 2/3 majority is required):

A RESOLUTION ORDERING 2024 IMPROVEMENTS, DESIGNATING MEMBER RESPONSIBLE FOR CONSTRUCTION, MAKING FINDINGS AND CERTIFYING COSTS TO HENNEPIN COUNTY PURSUANT TO MINNESOTA STATUTES, SECTION 103B.251

9. The West Mississippi Commission should consider the following resolution (a 2/3 majority is required):

A RESOLUTION ORDERING 2024 IMPROVEMENTS, DESIGNATING MEMBER RESPONSIBLE FOR CONSTRUCTION, MAKING FINDINGS AND CERTIFYING COSTS TO HENNEPIN COUNTY PURSUANT TO MINNESOTA STATUTES, SECTION 103B.251

10. Continue with regular meetings

Table 1. Shingle Creek 2024 CIP Projects (2025 levy).

Project	Total Estimated	City/Private	Grant	Commission Share
Cost share (city projects)	\$200,000	\$100,000	\$0	\$100,000
Partnership cost share (private project)	50,000	0	0	50,000
Maintenance Fund	50,000	0	0	50,000
Brookdale Park Natural Channel phase 1	625,000	0	0	625,000
Minneapolis Shingle Creek Regional Park	400,000	0	0	400,000
Subtotal	1,325,000	100,000	\$0	1,225,000
5% additional for legal/admin cost				61,250
Subtotal				1,286,250
Total Levy (101% for uncollectable)				\$1,299,113

Table 1b. Levy by project.

Project	Total Levy
Cost share (city projects)	\$106,050
Partnership cost share (private project)	53,025
Maintenance Fund	53,025
Brookdale Park Natural Channel phase 1	662,813
Minneapolis Shingle Creek Regional Park	424,200
Total	\$1,299,113

Table 2. West Mississippi 2024 CIP Projects (2025 levy).

Project	Total Estimated	City/Private	Grant	Commission Share
Cost share (city projects)	\$100,000	\$50,000	\$0	\$50,000
Partnership Cost Share	100,000	0	0	100,000
Subtotal	\$200,000	\$50,000	\$0	\$150,000
5% additional for legal/admin costs				7,500
Subtotal				157,500
Total Levy (101% for uncollectable)				\$159,075

Table 2b. Levy by project.

Project	Total Levy
Cost share (city projects)	\$53,025
Partnership Cost Share	106,050

Total	\$159,075
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Shingle Creek Projects

Cost Share Fund. This annual project provides cost sharing to retrofit voluntary BMPs on city property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$100,000, to be matched at least one-to-one by a member city or cities. Applications are open until funds are depleted.

Partnership Cost Share Fund. This annual project provides cost sharing to retrofit voluntary BMPs on private property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$50,000, and funding does not require a match. Applications are open year-round until the funds are depleted.

Maintenance Fund. This program makes funds available for nonstructural practices such as, but not limited to, rough fish management; invasive aquatic vegetation control; alum treatment touch-up; native aquatic vegetation translocation; and maintenance of Commission- installed projects for which a member City is not specifically responsible.

Brookdale Park Natural Channel Phase 1. This project would remeander about 5,000 feet of Shingle Creek between a drop structure in Brookdale Park and Xerxes Avenue to improve water quality, enhance habitat, and restore natural form and function. In addition, bank stabilization improvements would be made to about 2,000 feet of Shingle Creek between Xerxes Avenue and Palmer Lake. Levy funding is being phased over multiple years; this is the second year of levying for the project.

Minneapolis Shingle Creek Regional Park. This project is bank stabilization of Shingle Creek between Webber Park and the Brooklyn Center municipal boundary. Include bank resloping to eliminate eroded and vertical creek banks, erosion protection at pipe outlets, upland vegetation enhancements, and in-stream features to increase dissolved oxygen and aquatic species. The project will likely be implemented in close coordination with the Minneapolis Park and Recreation Board and the City of Minneapolis, both of which are planning improvements within the same corridor.

West Mississippi Projects

Cost Share Fund. This annual project provides cost sharing to retrofit voluntary BMPs on city property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$50,000, to be matched at least one-to-one by a member city or cities. Applications are open until funds are depleted.

Partnership Cost Share Fund. This annual project provides cost sharing to retrofit voluntary BMPs on private property. The TAC developed policies and procedures to administer these funds and makes recommendations to the Commission on which projects should be funded. The annual levy is \$100,000, and funding does not require a match. Applications are open year-round until the funds are depleted.

**SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 2024-001**

**ORDERING 2024 IMPROVEMENTS, DESIGNATING MEMBER
RESPONSIBLE FOR CONSTRUCTION, MAKING FINDINGS,
AND CERTIFYING COSTS TO HENNEPIN COUNTY PURSUANT
TO MINNESOTA STATUTES, SECTION 103B.251**

WHEREAS, on May 11, 2023, the Shingle Creek Watershed Management Commission adopted its *Shingle Creek and West Mississippi Fourth Generation Watershed Management Plan*, which includes a Capital Improvement Program (CIP); and

WHEREAS, the *Fourth Generation Watershed Management Plan* specified a county tax levy under Minn. Stat. § 103B.251 as the source of the Commission's share of funding for capital projects proposed in the Commission's CIP; and

WHEREAS, the CIP includes annual allocations for Shingle Creek Cost Share BMPs, hereby known as "Project 2024-01," and Shingle Creek Partnership BMPs, hereby known as "Project 2024-02," and specified a county tax levy under Minn. Stat. § 103B.251 as the source of the Commission's share of funding; and

WHEREAS, on July 14, 2022, the Commission adopted a Minor Plan Amendment to create a "Project Maintenance Fund," hereby known as "Project 2024-03," and specified a county tax levy under Minn. Stat. § 103B.251 as the source of the Commission's share of funding; and

WHEREAS, the Commission has received Feasibility Studies for projects designated "Project 2024-04 Brookdale Park Natural Channel Phase 1" in the City of Brooklyn Park, and "Project 2024-05 Minneapolis Shingle Creek Regional Park" in the City of Minneapolis; and

WHEREAS, on September 12, 2024, following published and mailed notice in accordance with the Commission's Joint Powers Agreement and Minn. Stat. § 103B.251, the Commission conducted a public hearing on the projects.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Shingle Creek Watershed Management Commission as follows:

1. The 2024 Projects will be conducive to the public health and promote the general welfare and are in compliance with Minn. Stat. § 103B.205 to 103B.255 (the "Act") and with the Commission's management plan as adopted and amended in accordance with the Act.
2. The cost of the projects is estimated to be:

Project	Total Estimated	City/ Private	Commission Share	Total Levy
Cost share (city)	\$200,000	\$100,000	\$100,000	\$106,050
Partnership cost share (private)	50,000	0	50,000	53,025
Maintenance fund	50,000	0	50,000	53,025
Brookdale Park Natural Channel Ph 1	625,000		625,000	662,815
Minneapolis Shingle Creek Regional Park	400,000	0	400,000	424,200
Subtotal	\$1,325,000	\$100,000	\$1,225,000	\$1,299,113
5% additional for legal/admin costs			61,250	
Subtotal			1,286,250	
TOTAL LEVY (101% for uncollectable)			\$1,299,113	

3. On July 11, 2014, the Commission adopted Guidelines and procedures governing the use of the Commission City Cost Share BMPs Program. The Shingle Creek Watershed Management Commission will complete Project 2024-01 in accordance with those Guidelines.
4. On December 10, 2015, the Commission adopted Guidelines and procedures governing the use of the Commission Partnership Cost Share BMPs Program. The Shingle Creek Watershed Management Commission will complete Project 2024-02 in accordance with those Guidelines.
5. On February 10, 2022, the Commission adopted Guidelines and procedures governing the use of the Project Maintenance Fund. The Shingle Creek Watershed Management Commission will complete Project 2024-03 in accordance with those Guidelines.
6. The Commission's \$1,299,113 share of the cost of the 2024 Projects including administrative costs is hereby certified to Hennepin County in accordance with Minn. Stat. § 103B.251 for payment by the County in accordance with Minn. Stat. § 103B.251, Subd. 6 and the Commission's joint powers agreement. The Commission understands that the County may pay such costs with taxes levied in 2024 and paid in 2025. The Administrator is directed to transmit a certified copy of this resolution to Hennepin County prior to October 1, 2024.

Adopted by the Commissioners of the Shingle Creek Watershed Management Commission, the twelfth day of September 2024.

R.A. Polzin, Chair

ATTEST:

Judie A. Anderson, Administrator

State of Minnesota

Hennepin County

I, Judie Anderson, do hereby certify that I am the custodian of the minutes of all proceedings had and held by the Board of Commissioners of said Shingle Creek Watershed Management Commission, that I have compared the above resolution with the original passed and adopted by the Board of Commissioners at a meeting thereof held on the twelfth day of September, 2024, at 12:45 pm., that the above constitutes a true and correct copy thereof, that the same has not been amended or rescinded and is in full force and effect.

In witness whereof, I have hereunto placed my hand and signature this twelfth day of September 2024.

Print name: Judie A. Anderson Title: Administrator

Authorized signature: _____ Date: _____

(NO SEAL)

WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION

RESOLUTION NO. 2024-01

**ORDERING 2024 IMPROVEMENTS, MAKING FINDINGS,
AND CERTIFYING COSTS TO HENNEPIN COUNTY
PURSUANT TO MINNESOTA STATUTES, SECTION 103B.251**

WHEREAS, on May 11, 2023 the West Mississippi Watershed Management Commission adopted its *Shingle Creek and West Mississippi Fourth Generation Watershed Management Plan*, which includes a Capital Improvement Program (CIP); and

WHEREAS, the *Fourth Generation Watershed Management Plan* specified a county tax levy under Minn. Stat. § 103B.251 as the source of the Commission's share of funding for capital projects proposed in the Commission's CIP; and

WHEREAS, the CIP includes an annual allocation for West Mississippi Cost Share BMPs, hereby known as "Project 2024-06," and West Mississippi Partnership Cost Share, hereby known as "Project 2024-07," and specified a county tax levy under Minn. Stat. § 103B.251 as the source of the Commission's share of funding; and

WHEREAS, on September 12, 2024, following published and mailed notice in accordance with the Commission's Joint Powers Agreement and Minn. Stat. § 103B.251, the Commission conducted a public hearing on the projects.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the West Mississippi Watershed Management Commission as follows:

1. The 2024 Projects will be conducive to the public health and promote the general welfare and are in compliance with Minn. Stat. § 103B.205 to 103B.255 (the "Act") and with the Commission's surface water management plan as adopted and amended in accordance with the Act.
2. The cost of the projects is estimated to be:

Project	Total Estimated	City/ Private	Commission Share	Total Levy
Cost Share (city projects)	\$100,000	\$50,000	\$50,000	\$53,025
Partnership Cost Share (private projects)	100,000		100,000	106,050
Subtotal	\$200,000	\$50,000	\$150,000	
5% additional for legal/admin costs			7,500	
Subtotal			157,500	
TOTAL LEVY (101% for uncollectable)			\$159,075	\$159,075

3. On July 11, 2014 the Commission adopted Guidelines and procedures governing the use of the Commission Fund for Retrofit Projects. The West Mississippi Watershed Management Commission will complete Project 2024-06 in accordance with those Guidelines.

4. On April 8, 2021 the Commission adopted Guidelines and procedures governing the use of the Commission Partnership Cost Share (private projects). The West Mississippi Watershed Management Commission will complete Project 2024-07 in accordance with those Guidelines.
5. The Commission's \$159,075 share of the cost of the 2024 Projects including administrative costs is hereby certified to Hennepin County Hennepin County in accordance with Minn. Stat. § 103B.251 for payment by the County in accordance with Minn. Stat. § 103B.251, Subd. 6 and the Commission's joint powers agreement. The Commission understands that the County may pay such costs with taxes levied in 2024 and paid in 2025. The Administrator is directed to transmit a certified copy of this resolution to Hennepin County prior to October 1, 2024.

Adopted by the Commissioners of the West Mississippi Watershed Management Commission the twelfth day of September, 2024.

Gerald Butcher, Chair

ATTEST:

Judie A. Anderson, Administrator

State of Minnesota

Hennepin County

I, Judie Anderson, do hereby certify that I am the custodian of the minutes of all proceedings had and held by the Board of Commissioners of said Shingle Creek Watershed Management Commission, that I have compared the above resolution with the original passed and adopted by the Board of Commissioners at a meeting thereof held on the twelfth day of September, 2024, at 12:45 pm., that the above constitutes a true and correct copy thereof, that the same has not been amended or rescinded and is in full force and effect.

In witness whereof, I have hereunto placed my hand and signature this twelfth day of September, 2024.

Print name: Judie A. Anderson Title: Administrator

Authorized signature: _____ Date: _____
(NO SEAL)

WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION

PROJECT REVIEW WM2024-01: Northpark Business Center Buildings 12 & 13

Owner: Scannell Properties
Company: Scannell Properties
Address: 294 Grove Lane, Suite 140
 Wayzata, MN 55391

Engineer: Trisha Sieh,
Company: Kimley-Horn and Associates, Inc.
Address: 11995 Singletree Lane, Suite 225
 Eden Prairie, MN 55344

Phone: 612-504-4772
Email: trisha.sieh@kimley-horn.com

Purpose: Construction of two speculative industrial buildings and associated truck dock areas, passenger vehicle parking, landscaped areas, underground utilities, and stormwater management areas.

Location: Northwest quadrant of Xylon Ave N and Oxbow Creek Dr within the ongoing Northpark Business Center development. (Figure 1).

- Exhibits:**
1. Project review application and project review fee of \$2500, dated 8/26/24, received 9/3/24.
 2. Site development plans (26 sheets, Figure 2), by Kimley-Horn, dated 8/19/24, received 8/29/24.
 3. Drainage Memo, by Kimley-Horn, dated 8/29/24, received 8/29/24.
 4. PCSWMM Model, by Kimley-Horn, dated 8/23/24, received 8/29/24.

- Findings:**
1. The proposed project is the construction of two 210,000 SF office-warehouse buildings. The site is 27.5 acres. Following the development, the site will be 68 percent impervious with 18.7 acres of impervious surface, an increase of 18.7 acres.
 2. The complete project application was received on 9/3/24. To comply with the 60-day review requirement, the Commission must approve or deny this project no later than the 10/10/24 meeting. Sixty calendar-days expires on 11/2/24.
 3. Commission rules require the site to abstract 1.1 inches of runoff from new- and reconstructed impervious area within 48 hours. The new and reconstructed impervious area on this site is 18.7 acres, requiring infiltration of 1.7 acre-feet within 48 hours. The applicant proposes an infiltration basin that has the capacity to infiltrate the required volume within 48 hours. The applicant meets Commission volume control requirements.

Table 1. Proposed volume retention through infiltration.

Total Impervious Area (ac)	BMP	Volume Retention Provided (AF)	1.1-inch Runoff (AF)	2.5-inch Runoff (AF)
18.7	Inf Basin	13.4	1.7	3.9

4. To comply with the Commission’s water quality treatment requirement, the site must provide treatment so there is no net increase in TP or TSS from pre- to post-development land cover. Meeting the infiltration requirement is considered sufficient to provide a similar level of treatment. The applicant has met the infiltration requirement. The applicant meets Commission water quality treatment requirements.
5. Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year storm events. The site is landlocked with no outflow. The applicant meets Commission rate control requirements.
6. The erosion control plan includes a rock construction entrance, perimeter silt fence/biolog, silt fence surrounding detention ponds/infiltration basins, a sediment basin, inlet protection, rip rap at inlets, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.
7. The National Wetlands Inventory does not identify any wetlands on site. The applicant meets Commission wetland requirements.
8. There are no Public Waters on this site. The applicant meets Commission Public Waters requirements.
9. There is no FEMA-regulated floodplain on this site. The low floor elevations of the buildings are at least two feet higher than the high water elevation of the detention ponds/infiltration basins according to Atlas 14 precipitation. The applicant meets Commission floodplain requirements.
10. In a telephone conversation on 5/29/14 between Erik Megow of Wenck Associates and Dan Bowar of EVS Engineering, Mr. Bowar had stated that there is no known groundwater contamination on the project site. The site is located in a Drinking Water Management Area but is outside of the Emergency Response Area. Therefore, infiltration is permitted, but infiltrated water must first filter through 1 foot of soil, the top four inches of which are amended topsoil, and the bottom 8 inches of which are tilled. The applicant meets Commission drinking water protection requirements.
11. Public hearings for the project were conducted on 11/9/2022 with the City Planning Commission and 11/28/2022 with the City Council. The applicant meets Commission public notice requirements.
12. An Operations & Maintenance (O&M) agreement between the applicant and the City of Brooklyn Park was submitted and executed for previously constructed stormwater ponds and basins.
13. A Project Review Fee of \$2500 has been received.

WM2024-01: Northpark Buildings 12 & 13

Recommendation: Recommend approval subject to the following conditions:

1. Demonstrate by double ring infiltrometer or witness test that the site can meet the design infiltration rate of 6.7 inches/hour.
2. Update as necessary the existing Operations & Maintenance (O&M) agreement between the applicant and the City of Brooklyn Park to include the pond and infiltration basin on the Buildings 12 & 13 site.
3. The Commission encourages Scannell Properties to implement chloride management on the Buildings 12 & 13 site. The previous Commission project review (Building 11) advised Scannell Properties to complete and implement a chloride management plan across the Northpark Business Center.

Stantec, Inc.
Engineers for the Commission

Todd Shoemaker, P.E.

WM2024-01: Northpark Buildings 12 & 13

Figure 1. Site location.

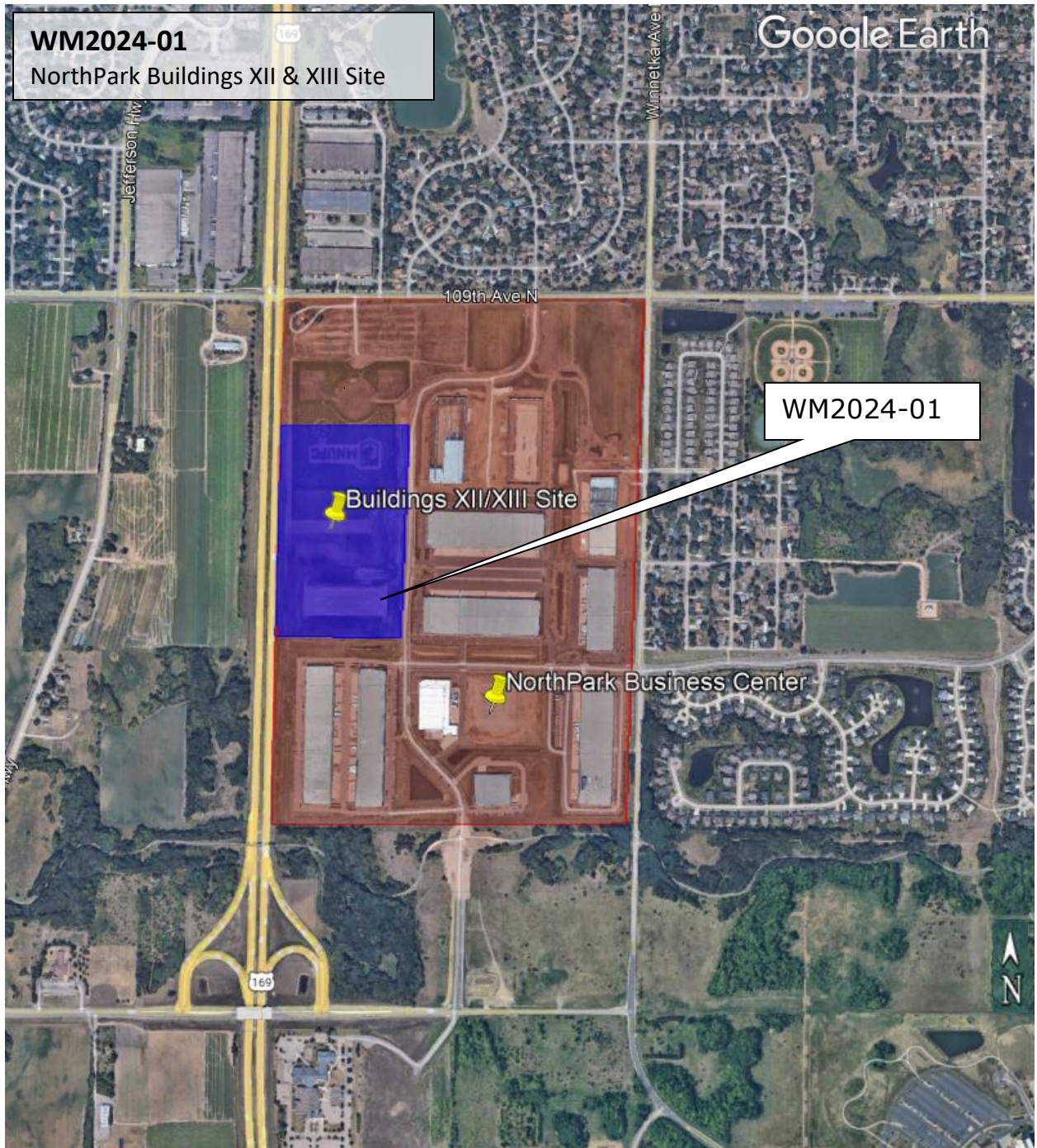
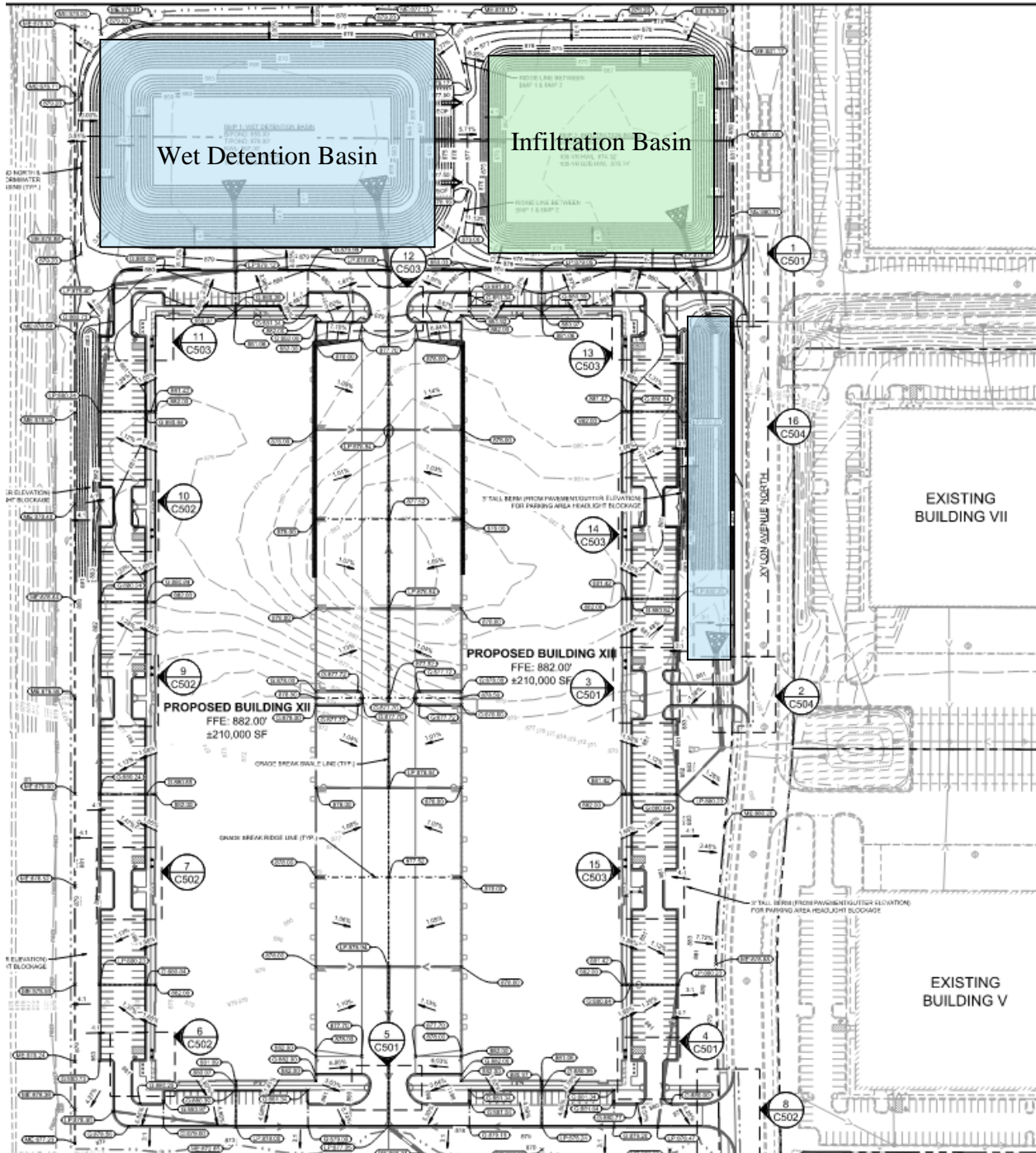


Figure 2. Site drainage plan.



To: Shingle Creek & West Mississippi WMC TAC Members
From: Todd Shoemaker, PE
Date: September 4, 2024
Subject: Inventory of previous subwatershed assessments

**Recommended TAC
Action**

For information.

At the August meetings, the TAC and Commissions discussed the current balances of the City Cost Share and Partnership Cost Share Programs and how those programs could be better used. As a first step, I thought it would be worthwhile to provide TAC members with an “inventory” of potential BMPs identified in previously completed subwatershed assessments (SWA). That list is attached to this memo and summarizes SWAs completed since 2014.

TAC members may use this list to refresh their memories or as an introduction if the study was completed prior to arriving at their current member city. If more information or discussion is desired, please connect with Stantec staff to learn more about the study and a specific BMP.

INVENTORY OF PREVIOUS SUBWATERSHED ASSESSMENTS
 Shingle Creek & West Mississippi Watershed Management Commissions
 9/4/2024

ID number	SWA, Year	City	Name	BMP Type (Quantity)	Location	TP Removed (lb/yr)	Construction cost	Lifecycle Cost	Normalized Lifecycle Cost (\$/lb)
1	Eagle Lake Subwatershed Assessment & Eagle and Pike Lake In-Lake Assessments, 2024	Maple Grove	ID 1	Infiltration Basin	NE corner of Eagle Lake Woods Playlot Located SW of West Eagle Lake Dr	21.8		\$498,000	\$761
2		Maple Grove	ID 2	Underground Storage for Irrigation Reuse & Infiltration	Maple Grove Middle School	29.0		\$2,391,000	\$2,748
3		Maple Grove	ID 3	Pond Excavation for Irrigation Reuse	Regional stormwater pond adjacent to the Maple Grove Middle School	12.9		\$653,000	\$1,691
4		Maple Grove	ID 5	Basin Expansion and IESF Bench	SW corner of E Fish Lake Rd and Hemlock Ln N	9.3		\$246,000	\$886
5		Maple Grove	ID 7	Underground Storage for Irrigation Reuse & Infiltration	NE corner of Cedar Island Elementary School	11.7		\$2,386,000	\$6,798
6		Maple Grove	ID 8	Basin IESF Bench	Adjacent to the Maple Grove Fire Station 1 off Eagle Lake Blvd N	4.7		\$247,000	\$1,739
7		Maple Grove	ID 9	Distributed Manufactured Treatment Devices (7 areas)	Spreadout	35.7		4,195,000	\$3,917
8	Gaulke Pond Subwatershed Assessment, 2023	Crystal	A1	Underground Infiltration Vault	Old Public Works		\$3,273,010	\$24,570	
9		Crystal	A2	Infiltration Trench	Colorado Ave		\$130,326	\$36,855	
10		Crystal	A3	Infiltration Trench	Colorado Ave		\$99,349	\$36,855	
11		Crystal	A4	Infiltration Trench	Brunswick Ave		\$93,116	\$36,855	
12		Crystal	A6	Infiltration Trench	43rd Avenue between Adair and Zane Avenues		\$105,581	\$36,855	
13	Crystal	A10	Infiltration Trench	Brownwood		\$281,938	\$73,338		
14	Pike Lake Subwatershed Assessment - Maple Grove, 2019	Maple Grove	1.1	Filtration Basin	Behind the properties at Red Fox Drive	3.0	\$125,000	\$5,000	
15		Maple Grove	1.2	SHSAM structure	Behind the properties at Red Fox Drive	0.6	\$40,000	\$1,200	
16		Maple Grove	6.2	Filtration Basin	NW Boulevard	10.5	\$225,000	\$7,500	
17		Maple Grove	6.3	SHSAM structure	62nd Place	0.4	\$75,000	\$1,500	
18		Maple Grove	10.1	Filtration Basin	62nd Place	8.6	\$135,000	\$5,000	
19		Maple Grove	12.1	Pond expansion	Maple Meadow Playlot, between Robin Road and Meadowlark Lane	62.3	\$300,000	*	
20	Maple Grove	14.1	Filtration Basin	Between existing storm sewer in Cedar Island Playfield green space	5.7	\$120,000	\$4,000		

ID number	SWA, Year	City	Name	BMP Type (Quantity)	Location	TP Removed (lb/yr)	Construction cost	Lifecycle Cost	Normalized Lifecycle Cost (\$/lb)		
21	Pike Lake Subwatershed Assessment - Plymouth, 2017	Plymouth	Subs: 9,11-18	Street Sweeping		6.8	\$763/yr	\$22,890	\$112		
22		Plymouth	9	IESF Bench	NW BLVD	10.5	\$148,000	\$203,000	\$645		
23		Plymouth	37	IESF Bench		8.7	\$181,000	\$249,000	\$960		
24		Plymouth	2	IESF Bench	Bass Lake Rd	4.9	\$127,000	\$175,000	\$1,200		
25		Plymouth	11	IESF Bench	61st Ave	3.5	\$119,000	\$163,000	\$1,570		
26		Plymouth	10	IESF Bench	NW BLVD	3.8	\$131,000	\$180,000	\$1,575		
27		Plymouth	Raingarden Total	Raingardens		11.1	\$180,000	\$441,000	\$1,320		
28		Plymouth	Total			49.3	\$886,000	\$1,433,890			
29		Plymouth	12b	Neighborhood Raingarden Detail		SW Ives La & 61st Ave Intersection	1.9	\$10,000	\$10,000	\$435	
30		Plymouth	13c			Hemlock La	2.4	\$20,000	\$20,000	\$670	
31		Plymouth	16a			Deerwood La	2.4	\$20,000	\$20,000	\$670	
32		Plymouth	12c			SE Ives La & 61st Ave Intersection	0.6	\$10,000	\$10,000	\$1,350	
33		Plymouth	12d			NE Ives La & 61st Ave Intersection	0.5	\$10,000	\$10,000	\$1,490	
34		Plymouth	12a			NW Ives La & 61st Ave Intersection	0.5	\$10,000	\$10,000	\$1,625	
35		Plymouth	15b			62nd Ave	0.4	\$10,000	\$10,000	\$1,830	
36		Plymouth	13b			Hemlock La	0.6	\$15,000	\$15,000	\$1,900	
37		Plymouth	15a			62nd Ave	0.5	\$10,000	\$10,000	\$1,990	
38		Plymouth	11a			Bass Lake Rd	0.5	\$10,000	\$10,000	\$3,360	
39		Plymouth	19a			Bass Lake Rd	0.7	\$15,000	\$15,000	\$3,545	
40		Plymouth	11b			60th Pl	0.7	\$15,000	\$15,000	\$3,720	
41		Plymouth	19b			Bass Lake Rd	0.4	\$15,000	\$15,000	\$5,870	
42		Plymouth	13a			Ionquil La & Bass Lake Rd Intersection	0.1	\$10,000	\$10,000	\$8,725	
43		Crystal Shopping Center Area, 2015	Crystal		38	Infiltration Trench	City Projects	61.1	\$155,000	\$205,000	\$167
44			Crystal		008 & 010	Infiltration Trench		4.4	\$35,000	\$55,000	\$1,612
45			Crystal	1	Infiltration Trench		4.3	\$92,000	\$142,000	\$1,650	
46			Crystal	4	Infiltration Trench		3.6	\$78,000	\$128,000	\$1,776	
47			Crystal	22	Infiltration Trench		3.4	\$73,000	\$123,000	\$1,801	
48			Crystal	034 & 035	Infiltration Trench		3.3	\$96,000	\$146,000	\$2,198	
49	Crystal		21	Infiltration Trench		3.3	\$111,000	\$161,000	\$2,428		
50	Crystal		37	Infiltration Trench		1.1	\$8,000	\$58,000	\$2,596		
51	Crystal		005, 006, & 007	Infiltration Trench		4.7	\$235,000	\$335,000	\$3,564		
52	Crystal		County Roads			County roads 8 and 10	17.5	\$513,000	\$913,000	\$2,609	
53	Crystal		31	Infiltration Basin		Private Property	8.9	\$62,000	\$112,000	\$627	
54	Crystal		20	Pervious Pavement			1.7	\$15,000	\$35,000	\$1,018	
55	Crystal		17	Infiltration Basin			3.6	\$25,000	\$75,000	\$1,039	
56	Crystal		19	Infiltration Basin			2.7	\$19,000	\$69,000	\$1,268	
57	Crystal		15	Infiltration Basin			2.7	\$20,000	\$70,000	\$1,279	
58	Crystal		23	Infiltration Basin and Pervious Pavement			3.1	\$35,000	\$85,000	\$1,360	
59	Crystal	024 & 025	Infiltration Trench			10.3	\$231,000	\$281,000	\$1,363		
60	Crystal	30	Infiltration Trench			5.5	\$121,000	\$171,000	\$1,546		
61	Crystal	9	Pervious Pavement			1.7	\$35,000	\$55,000	\$1,612		
62	Crystal	27	Infiltration Trench and Stormwater Planter			7.2	\$186,000	\$236,000	\$1,633		
63	Crystal	18	Infiltration Trench			2.4	\$51,000	\$101,000	\$2,104		
64	Crystal	12	Infiltration Basin			1.3	\$10,000	\$60,000	\$2,272		
65	Crystal	14	Stormwater Planter and Pervious Pavement			1.5	\$50,000	\$100,000	\$3,307		
66	Crystal	26	Tree Trench			5.4	\$276,000	\$376,000	\$3,475		
67	Crystal	11	Stormwater Planter			1.1	\$49,000	\$99,000	\$4,482		
68	Crystal	13	Infiltration catch-basin			0.0	\$8,000	\$10,000	\$12,500		
69	Crystal	002 & 003	Tree Trench			5.0	Cost to be reviewed by redeveloper				
70	Brooklyn Center Evergreen Park Area, 2015	Brooklyn Center	N-05	Stormwater Pond		36.4	\$263,200	\$2,500	\$7,231.00		
71		Brooklyn Center	N-13	Infiltration Trench		4.3	\$91,700	\$2,500	\$21,326		
72		Brooklyn Center	S-02	Infiltration Trench		10.2	\$120,000	\$2,500	\$11,765		
73		Brooklyn Center	S-04	Infiltration Trench		17.3	\$159,900	\$2,500	\$9,243.00		
74		Brooklyn Center	N-01	Infiltration Trench		6.5	\$42,800	\$2,500	\$6,585		
75		Brooklyn Center	S-16	Infiltration Trench		11.5	\$120,000	\$2,500	\$10,435		
76		Brooklyn Center	S-17	Infiltration Trench		7.4	\$80,000	\$2,500	\$10,811		
77		Brooklyn Center	S-21	Infiltration Trench		10.8	\$120,000	\$2,500	\$11,111		
78		Brooklyn Center	N-08	Underground Infiltration		31.3	\$624,600	\$5,000	\$19,955		
79		Brooklyn Center	N-06	Underground Infiltration		29.4	\$605,800	\$5,000	\$20,605		
80		Brooklyn Center	S-05	Pervious Pavement		0.4	\$8,600	\$1,000	\$21,500		
81		Brooklyn Center	W-03	Filtration Trench		10.0	\$91,700	\$2,500	\$9,170		
82		Brooklyn Center	S-07	Tree Trench		2.6	\$197,700	\$5,000	\$76,038		
83		Brooklyn Center	S-09	Tree Trench		1.0	\$131,800	\$5,000	\$131,800		
84		Brooklyn Center	S-08	Filtration Basin		0.3	\$205,400	\$2,500	\$684,667		
85		Brooklyn Center		Grit Chamber		-	\$6,000	\$300	-		
86		Brooklyn Center	S-01	Infiltration Trench			\$64,000	\$2,500			
87		Brooklyn Center	S-01	Minnesota Filter			\$49,000	\$2,500			
88	Brooklyn Center	S-06	Minnesota Filter			\$476,000	\$2,500				

ID number	SWA, Year	City	Name	BMP Type (Quantity)	Location	TP Removed (lb/yr)	Construction cost	Lifecycle Cost	Normalized Lifecycle Cost (\$/lb)
89	Champlin Redevelopment Area, 2014	Champlin	1	Infiltration Trench	W of Highway 169	1.40	\$160,000	\$3,000	\$7,900
90		Champlin	2	Minnesota Filtration Basin	N section of the Mississippi Crossing Development	6.90	\$65,000	\$6,000	\$1,300
91		Champlin	3	Tree Trench	Could be located along both sides of the road through the Mississippi Crossing Development	7.50	\$600,000	\$11,000	\$5,500
92		Champlin	4	Pervious Pavemetr		0.60	\$240,000	\$400	\$20,700
93		Champlin	5	Infiltration Basin		1.40	\$52,000	\$5,000	\$5,400
94		Champlin	6	Tree Trench	Could be along the northern side of Highway 169 in the highway right of way	0.80	\$260,000	\$5,000	\$22,500
95		Champlin	7	Curb Cut Rain Garden	Residential - 229 and 231 E River Pkwy	0.90	\$9,000	\$400	\$900
96		Champlin	8	Storm Pond w/ MN Filter		19.30	\$270,000	\$2,000	\$800
97		Champlin	1	Infiltration Basin		30.20	\$195,000	\$11,000	\$700
98		Champlin	2	Infiltration Trench		9.40	\$600,000	\$11,000	\$4,400
99		Champlin	3	Tree Trench	Within the Minnesota River Crossing Development	3.30	\$140,000	\$3,000	\$3,000
100		Champlin	4	Infiltration Basin		0.50	\$58,500	\$6,000	\$17,900
101		Champlin	5	Curb Cut Rain Garden		0.90	\$9,000	\$400	\$900
102	Champlin	6	Decompaction		0.20	\$5,000	\$1,000	\$6,300	
103	Robbinsdale Crystal Lake Stormwater Retrofit Assessment. (?)	Champlin	1	Infiltration Trench	Would be a long section of underground storage that collects runoff from the adjacent Jackson Middle School parking lot and a diversion from the pond south of 109th Ave North storm sewer	8.10	\$400,000	\$7,500	\$3,400
104		Champlin	2	Pervious Pavement	Could be considered for the parking lots of Jackson Middle School and Champlin Brooklyn Park Academy.	4.60	\$310,000	\$431	\$3,500
105		Champlin	3	Tree Trench	Could be considered along Douglas Drive North	4.40	\$400,000	\$7,500	\$6,300
106		Champlin	4	Infiltration Trench	Passing through Brittany Park	7.30	\$480,000	\$9,000	\$4,500
107		Champlin	5	Minnesota Filters	In five of the 15 stormwater ponds in subwatershed 2T	2-10	\$76,500	\$225	\$800
108		Champlin	6	Infiltration Basin	10934 Rhode Island Cir N and 10937	6.00	\$48,750	\$4,688	\$1,200
109		Champlin	7	Curb Cut Rain Garden	Eighty-four potential locations for curb cur rain gardens were identified. Ideal locations for these rain gardens are located in Appendix A.	0.90	\$9,000	\$378	\$900
110		Champlin	8	Pond Retrofit		5.70	\$20,000	no additional	\$175
111		Champlin	9	Pond Retrofit		9.50	\$20,000	no additional	\$105
112		Champlin	10	Pond Retrofit		2.70	\$20,000	no additional	\$372
113		Champlin	11	Pond Retrofit		3.50	\$20,000	no additional	\$286
114		Champlin	12	Pond Retrofit		9.60	\$20,000	no additional	\$104
115		Champlin	13	Pond Retrofit		4.40	\$20,000	no additional	\$227
116	Robbinsdale	16C	Pond Retrofits (1)		5.3	\$5,500	\$318		
117	Robbinsdale	18C	Moderately Complex Bioretention (5)		5.0	\$20,618	\$332		
118	Robbinsdale	16R	Moderately Complex Bioretention (6)		5.9	\$24,233	\$334		
119	Robbinsdale	19	Moderately Complex Bioretention (2)		2.2	\$9,773	\$336		
120	Robbinsdale	23	Complex Bioretention (8)		7.8	\$35,340	\$343		
121	Robbinsdale	18R	Moderately Complex Bioretention (11)		9.7	\$41,585	\$356		
122	Robbinsdale	26	Complex Bioretention (2)		1.2	\$6,848	\$378		
123	Robbinsdale	17	Moderately Complex Bioretention (10)		7.8	\$36,524	\$387		
124	Robbinsdale	22	Complex Bioretention (2)		1.8	\$10,200	\$397		
125	Robbinsdale	32E	Moderately Complex Bioretention (6)		4.3	\$23,510	\$444		

To: West Mississippi WMC TAC Members
From: Todd Shoemaker, PE
Date: September 4, 2024
Subject: Brooklyn Center & Brooklyn Park Subwatershed Analysis

**Recommended TAC
Action**

For discussion.

INTRODUCTION

Minnesota Department of Transportation (MnDOT) reconstruction of the Highway 252/Interstate 94 corridor in 2029 may present an opportunity to increase and improve stormwater management within the Cities of Brooklyn Center and Brooklyn Park. The 252/94 corridor stretches from 4th Street in Minneapolis north to Highway 610 in Brooklyn Park with more than half of the corridor within the West Mississippi Watershed. MnDOT will be responsible for managing stormwater within the highway corridor right of way according to West Mississippi Watershed Management Commission (WMWMC) standards. Outside of the corridor, however, there may be opportunities to implement stormwater practices that could be constructed concurrent with the MnDOT project.

This memorandum introduces a potential subwatershed assessment (SWA) for up to five subwatersheds that drain from the cities of Brooklyn Center and Brooklyn Park into the 252/94 corridor. Staff requests TAC feedback on the merits of this study; if there is TAC support, staff will draft a detailed proposal for future TAC and Commission consideration.

SWA CONSIDERATIONS

Preliminary considerations for this SWA are listed below. Staff is interested in TAC feedback on these items and other questions or concerns that the TAC may have.

- Corridor storm sewer crossings. Staff reviewed City of Brooklyn Center storm sewer lines and estimates there are five primary crossings of the 252/94 corridor. A subwatershed assessment could be conducted for each primary crossing. Alternatively, an initial pollutant loading evaluation could be conducted to determine and rank pollutant loading (i.e. total phosphorus and/or total suspended solids). The top one or two subwatersheds could then proceed to the more detailed subwatershed assessment phase.

The number of primary crossings in Brooklyn Park is not known at this time.

- A complex drainage system. Staff history and recent review of the Brooklyn Center storm sewer lines indicates a complex storm sewer network drains to many of the five primary crossings in Brooklyn Center. A key step in the subwatershed assessment will be to work with city and MnDOT staff to ensure drainage directions and connections are understood and accurate.
- Existing TSS removal at Topgolf (WM2007-02). The WMWMC previously approved a regional sediment removal device at the current Topgolf facility. This device was approved before the Commission volume control standard and has been installed for approximately 15 years. The SWA could include review of device maintenance and options to add volume control in the subwatershed.

SWA FUNDING

At the August Commission meeting, staff reported that the WMWMC has an “assigned fund” dedicated to completing subwatershed assessments. The fund balance is \$40,000 and could be used to fund the SWA. If additional funds are needed, the WMWMC has a “grant match” assigned fund that could be re-assigned to fund the SWA.

To: West Mississippi WMC TAC/Commissioners

From: Todd Shoemaker, PE
Lucas Clapp, EIT

Date: September 4, 2024

Subject: Partnership Cost Share Program request by Trust for Public Land

**Recommended
Commission Action**

Approve Partnership Cost Share Program request

Trust for Public Land submitted a Partnership Cost Share Program application on behalf of Brooklyn Center Elementary (Figure 1). The proposed water quality improvements include a raingarden, native prairie, and a micro-forest (Figure 2). Trust for Public Land requests a cost-share amount of \$20,000.

Currently, the three-acre schoolyard is an undesirable space for students due to frequent flooding and its proximity to Highway 100. A partnership between Trust for Public Land and Brooklyn Center Elementary STEAM aims to redesign the existing schoolyard using a nature-based solution led by fourth and fifth grade students in 2022. This redesign includes a micro-forest buffer along the highway, native prairie restoration, and a raingarden to reduce flooded play areas.

Stantec has reviewed the preliminary plans and notes the following benefits of the project:

- Improving water quality (Table 1) by infiltrating impervious area.
- Community engagement and outreach.
- Improved usability of the schoolyard space through nature-based solutions.

Table 1. Water quality benefits of the proposed project.

	Volume Captured (cf)	TSS Reduction (lb/yr)	TP Reduction (lb/yr)	Normalized Cost (\$/lb TP)
Raingarden	2,350	318	1.7	\$392

Stantec recommends approval with the following conditions:

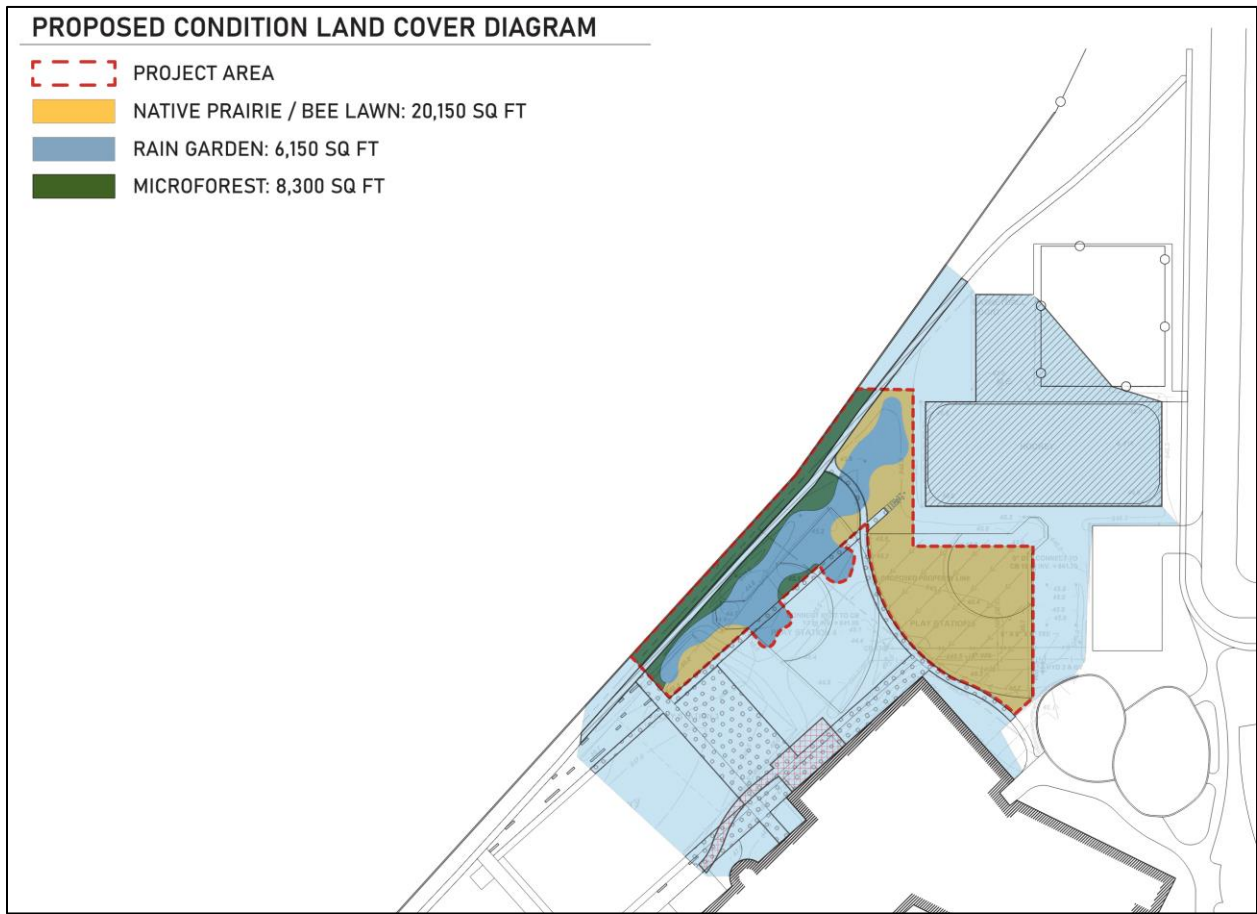
1. Prior to project construction, conduct soil borings or infiltration tests at the proposed basin bottom elevation to ensure ponded depth within basin will draw down within 48 hours.
2. Execute and record an Operations and Maintenance Agreement prior to release of any funds.

With the conditions noted above and the concurrence of the TAC, staff recommends approval of this cost share application with the amount to be determined based on TAC and Commission discussion. The balance in the Partnership Cost Share Fund is \$234,813.

Figure 1. Project Location



Figure 2. Project Design Plans.





SHINGLE CREEK / WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION
 Monthly Communication Log
 September 2024

Date	From	To	SC	WM	Description
8/2/24	Derek Asche, City of Maple Grove	Brian Vlach, Three Rivers Park District	X		Site visit to assess access to Pike Lake for fall alum treatments. Kemmitt attended visit.
8/7/24	Joel Barrow, SOLitude Lake Management	Katie Kemmitt, Derek Asche, Brian Vlach	X		Site visit to assess access to Pike Lake for fall alum treatments.
8/8/24	Grace Hemmelgarn, UMN graduate student	Judie Anderson	X		Request for any existing monthly zooplankton data for Master's project.
8/13/24	Diane Spector	SCWM Commissioners and TAC			Chloride management plan working session with Commission and TAC volunteers to discuss needs and desires.
8/14/24	Red Fox Cove	Derek Asche, City of Maple Grove, Katie Kemmitt	X		Notification of allowing access at Red Fox Cove for Pike Lake alum treatment.
8/15/24	Becky Forgrave, UMN Postdoctoral Researcher	Katie Kemmitt	X		Request for Shingle Creek lake drainage areas for Minneapolis Long-Term Ecological Research (LTER) project investigating watershed metrics of urbanization and in-like water quality conditions. Stantec staff sent a GIS package of the requested data.
8/19/24	Tony Kaster, Stantec	TEP members		X	WCA Notice of Application for a wetland boundary & type for the Rush Creek Regional Trail Underpass
8/21/24	Todd Shoemaker	Sam Westlund, SRF	X		Provide high water elevation from SC PCSWMM model for Greenway project in Plymouth.
8/21/24	Travis Theiss, Eagle Lake Preservation Society	Katie Kemmitt, Diane Spector	X		Requesting update on the shoreline restoration workshop and alum treatments on Eagle and Pike Lakes. Forwarded to Derek Asche, City of Maple Grove, for response.
8/22/24	Derek Asche, City of Maple Grove; Katie Kemmitt	Nick, Kraemer, Red Fox Cove homeowners association	X		On-site meeting to discuss logistics of staging and mobilization for alum treatment on Pike Lake.
8/23/24	John Gulliver, U of M	Andy P & Judie A	X		U of M was awarded an LCCMR grant to study road salt pollution of surface waters from groundwater. The research team has contacted the MPCA and a few other organizations, but are wondering if Shingle Creek has data.

To: Shingle Creek/West Mississippi WMO Commissioners

From: Todd Shoemaker, PE, CFM
Katie Kemmitt

Date: September 4, 2024

Subject: September 2024 Staff Report

**Recommended
Commission Action**

For discussion and information.

PROJECT UPDATES

- Blue Line LRT Stormwater Management
 - Staff met with design team staff on August 22, 2024 to discuss specific stormwater management opportunities along the corridor and rule interpretation/implications.
 - Design team has created an XP-SWMM model that may cover approximately 20% of the southern half of the West Mississippi Watershed. When model is submitted for review and finalized, the Commission may want to expand this model to cover the entire watershed.

- Road Salt Pollution of Surface Waters from Groundwater
 - John Gulliver and his team at the U of M were successful in being funded by the Legislative-Citizen Commission on Minnesota Resources (LCCMR) to work on the project Road Salt Pollution of Surface Waters from Groundwater. (The SCWMC provided a letter of support to their application.)
 - The study includes developing and running computational models of shallow groundwater to surface water flow and chloride concentration. The goal is to be able to predict the length of time before chloride on the surface becomes chloride in our streams and lakes. The study will conclude in June 2027
 - The research team is looking for a stream reach with sufficient data to do a good job of calibrating a model, where they would need minimal supplemental data that we would need to acquire.
 - Staff suggested these reaches of Shingle Creek:
 - TH 100 to the Queen Ave bridge, which is the USGS gage location. There is an established chloride/conductivity curve for that site, and the USGS measures continuous conductivity. Further, James Fallon and the USGS may have unpublished data in that location that could be helpful.
 - Humboldt to Dupont. Shingle Creek WMC monitoring location SC-0 is in the middle of that reach. It's very urbanized (i.e. significant salt application), and we've got a long dataset but is not as detailed as the USGS site.
 - There will be monthly Zoom meetings on the project, and the team welcomes SCWMC staff to attend if desired.

- Eagle and Pike Lakes Internal Load Management
 - The alum treatments on Eagle and Pike Lakes have been tentatively scheduled for the week of October 21.
 - The shoreline restoration workshop hosted by MetroBlooms will be on Tuesday September 10th from 6-8pm.
- Accelerated Implementation Grant for a joint Chloride Management Plan
 - Stantec hosted a virtual working group meeting to get feedback on desired content and outcomes of a joint chloride management plan.
 - Staff submitted the attached proposal to the Clean Water Fund Accelerated Implementation Grant program. Awards will be announced after the December Board of Water and Soil Resources Board meeting.
- Brookdale Park Shingle Creek Remeander and Enhancement
 - Staff has begun background research to evaluate funding sources and their potential applicability for this project.
 - We will be setting up our initial partner discussion meeting in the coming weeks with City of Brooklyn Park, Three Rivers Park District and MnDNR.
- Colorado Infiltration Trench Feasibility Study
 - Staff has completed review of the soil data and also completed the general slope stability modeling process.
 - We are currently reviewing side-slope support concepts and updating the stability model as necessary.
 - We will begin preparation of the draft feasibility report in the next few weeks.
- Mississippi River Bank Stabilization Study
 - Stantec is reviewing the data collected earlier this summer and developing some standard stabilization and alternatives, including design details for toe stabilization, vegetative stabilization, and hard armoring.
 - Stantec will be coordinating with Hennepin County and Brooklyn Park to engage residents to gather feedback from the design alternatives.
 - Stantec will reach out to two of the 11 residents to collect survey data to complete two 30% designs incorporating some of the alternatives outlined in Task 2.

EDUCATION AND OUTREACH UPDATE

- WMWA and Hennepin County are working with Metro Blooms on shoreline workshops for Eagle Lake (Shingle Creek) and Fish Lake (Elm Creek). Workshops are scheduled for September 5 (Fish) and September 10 (Eagle). Up to 10 participants per lake will be eligible for technical design and assistance and a small stipend to defray implementation costs, The workshops will be held at Fish Lake Regional Park. Hennepin County was awarded a Pollinator Pathways grant to supplement this work.

UPCOMING STORMWATER / WATERSHED MANAGEMENT CONFERENCES

Date	Conference	Sponsor	Location
Sept 17-20	AWWA MN Section Annual Conf	American Water Works Association	Duluth, MN
Sept 26-29	MN Recreation & Park Association	MN Recreation & Park Association	Mankato, MN
Oct 15-16	Minnesota Water Resources Conf	U of M	St. Paul, MN
Nov 1-3	Mn Association of Floodplain Managers Conf	Mn Association of Floodplain Managers	Albert Lea, MN

GRANT, COST SHARE, AND FUND BALANCES UPDATE

Grant Projects

Project	Grant Source	Expiration	Status
<i>Shingle Creek</i>			
Crystal Lake Mgmt Plan	MPCA 319	06/30/24	Complete, final report submitted.
Meadow Lake Mgmt Plan	CWF	12/31/24	Grant has been extended for possible 2024 BMPs
Palmer Creek Estates Stream Resto: Plymouth	CWF	12/31/24	Work complete, awaiting sign off on veg establishment
Eagle Lake SWA	WBIF	12/31/25	Complete, final report submitted
Gaulke Pond Area SWA	WBIF	12/31/25	Complete, final report submitted
Colorado Ave Infiltration Trench design	MPCA	06/30/25	In progress
<i>West Mississippi</i>			
Miss Riverbank Stabilization	WBIF	12/31/25	In progress

Cost Share Projects

Project	Partner	Amount	Status
<i>Shingle Creek</i>			
Shingle Creek Rain Gardens	City-Mpls	\$50,000	In progress
Highland Gables	Partner-Metro Blooms	\$49,993	Complete
<i>West Mississippi</i>			
Miss Gateway Shoreline Stabil	Partner-3 Rivers	\$75,000	In progress

Encumbered Balances as of 8/31/24

Watershed	City Cost Share	Partnership	Closed Projects	Assigned	Unrestricted
Shingle Creek	\$397,944	\$158,873	\$357,891*	\$60,813	\$248,857
West Mississippi	\$512,747	\$234,813	\$151,306	\$154,320**	\$162,276

*Reflects encumbrance for Eagle/Pike Lake approved in 03/2024.

**About \$89,000 assigned to "Grant Match account"



Grant Application

Grant Name - Joint Chloride Management Plan

Grant ID - C25-0176

Organization - Shingle Creek WMC

Allocation	Accelerated Implementation Grant 2025	Grant Contact	Katie Kemmitt
Total Grant Amount Requested	\$47,455.00	County(s)	Hennepin
Grant Match Amount	\$4,745.50	12 Digit HUC(s)	
Required Match %	10%	Fiscal Agent	Shingle Creek WMC
Other Amount		Application Submitted Date	08/22/2024
Project Abstract	<p>This project is the development a joint coordinated Chloride Management Plan for three contiguous watersheds (Shingle and Elm Creeks and West Mississippi) covering fourteen cities in northwestern Hennepin County. There are several chloride-impaired or high-risk waters in the three watersheds, and land use varies from dense urban development to agricultural and developing rural areas. The WMOs and member cities share concern about chloride pollution and need to work together to coordinate actions across a variety of stakeholders to achieve common chloride management goals. The outcome of this study will be a plan that clearly sets forth implementation actions by stakeholder with measurable goals and methods for evaluation of success. The proposed Chloride Management Plan will be a comprehensive, coordinated and prioritized plan of goals and actions that can be undertaken to make collective progress toward achieving TMDL reductions and other goals.</p> <p>The Plan will be loosely modeled after the statewide Chloride Management Plan but will be more detailed and focused on specific water bodies and priority geographies within the three watersheds. The first step will be a Problem Assessment that will include an updated evaluation of current surface and groundwater conditions and an updated source assessment. The geospatial source assessment will estimate the amount of road and non-road impervious surfaces such as parking lots and private streets that are managed by private entities and applicators; estimate the acreage of crop lands receiving chloride-</p>		

containing fertilizers; and identify the locations of industrial dischargers and other sources of chloride. The outcome will be a quantification of the relative contribution of each source, which can then be summarized at various spatial scales – by local catchment, drainage area, lake or stream shed, HUC-8, watershed, etc.

The Problem Assessment phase will also take the Directly Connected Untreated Areas (DCUA) assessment completed for streams in the Shingle Creek watershed and extend it to the At-Risk lakes and to the streams and channels in the West Mississippi and Elm Creek watersheds. These DCUAs are the drainage areas of highest priority for management actions as they discharge to waters with little to no existing treatment or intervening natural reservoirs such as wetlands, lakes or other basins that might provide some load reduction. These DCUAs will be layered over the geospatial source assessment to develop a priority ranking of locations for more intensive chloride management.

The third step in the Problem Assessment will be developing an inventory of current management practices of the various stakeholders, which will be completed through a combination of online survey, telephone inquiries, and stakeholder meetings. We will also incorporate findings from focus groups and other stakeholder comments available through the Hennepin County Chloride Initiative, other cities and WMOS, state agencies, etc.

Following the Problem Assessment will be the development of the Chloride Management Plan. The Technical Advisory Committee will refer to the Problem Assessment and the prioritized geographies to identify a suite of activities that could best manage and limit the application of chloride. For example, a DCUA with a high proportion of private parking lots would be prioritized for outreach to private applicator. The heart of the Plan will be a Roles and Responsibilities matrix organized by stakeholder setting forth their various roles and responsibilities; the broad suite of implementation activities they will undertake; and goals, timelines, and measures of progress. Implementation activities will include education and outreach initiatives that will ensure consistent messaging across watersheds. Finally, the Plan will include a general process to evaluate progress and hold stakeholders accountable. Monitoring recommendations for measuring progress will be included.

Proposed Measurable Outcomes

A joint chloride management plan for three watersheds in Hennepin County with multiple waterbodies impaired by excess chloride. Updated quantification of sources including agriculture contribution. Identification of priority geographic areas for intensive chloride management. A plan that clearly sets forth implementation actions by stakeholder, measurable goals, and methods for evaluation of success.

Narrative

****Required** MN Statute 16B.981 Subd. 2 (6) requires that no current principals of a grantee have been convicted of a felony financial crime in the last 10 years. A principal is defined as a public official, a board member, or staff (paid or volunteer) with the authority to access funds provided by this grant opportunity. By typing YES here, I attest that no current principal of my organization with authority to access funds has been convicted of a felony financial crime in the last 10 years.**

YES

1. Does your organization have any active CWF competitive grants? If so, specify FY and percentage spent. Also, explain your organization's capacity (including available FTEs or contracted resources) to effectively implement additional Clean Water Fund grant dollars.

Shingle Creek: Meadow Lake Management Plan (C21-0949) is wrapping up and will be complete by 12-31-24

Shingle Creek: Palmer Creek Stream Stabilization (C22-0255) is substantially complete and is awaiting final inspection of vegetation establishment. It will be complete by 12-31-24.

West Miss: Miss River Bank Stabilization (C23-4232) feasibility study and 30% design expected to be complete by 12-31-24

Elm Creek: 2021 Metro WBIF (C21-4999) projects are substantially complete by project partners and are awaiting submittal of final reimbursements.

Elm Creek: Priority Assessments (C23-7172) One assessment if final, the other is underway and will be complete by 6-30-25.

Elm Creek SWA Implementation (C23-8533) is currently under contract by Hennepin County, which is coordinating the work on a reimbursement basis.

The Shingle Creek, West Mississippi, and Elm Creek WMOs have no full-time technical staff, and instead contracts with Stantec Consulting Services as their technical advisor. Stantec is a global company with a local presence in Minnesota. Stantec has extensive experience managing projects such as this proposed CWF project and is ready to begin implementing as soon as grant dollars are awarded. Stantec has extensive experience with watershed planning and goal-setting. Stantec's institutional knowledge of watershed operations will ensure a well-developed and intentional plan.

2. Prioritization - Relationship to Plan (20 points): (A) List the specific local water management plan(s) and describe how it supports this proposal. Reference the document name, section, page number, and organization (if different than applicant). (B) List other relevant documents and describe how these documents support this project. Examples include: Total Maximum Daily Load (TMDL) Implementation Plans, Watershed Restoration and Protection Strategy (WRAPS) document, or Groundwater Restoration and Protection Strategy (GRAPS) document, the Minnesota Nutrient Management Strategy and others. (C) Provide web links to all plans referenced.

A. SCWM Fourth Gen Plan: P 4.1 "Make progress towards eliminating the chloride impairment." Pp 4.1 and 4.2 'residents in Plymouth and Minneapolis are very concerned about chloride pollution.' P 4.2 "Continue to work aggressively toward achieving TMDL lake and stream goals." P. 4.6 "Educate and engage all stakeholders in the watersheds on surface water issues and opportunities." "Operate a public education and outreach program ... with special emphasis on topics such as chloride..." P 4.10

Chloride E&O is a priority activity. P 4.12 “Provide E&O to a variety of stakeholders regarding stewardship of water resources and load and volume reduction strategies.”
Elm Creek Third Gen Plan: P. 2.2 Rush and Elm Creek chloride impairments are addressed in the WRAPS and the Metro Chloride TMDL. P 4.3 Excess chloride identified as a probable stressor in the aquatic life TMDLs. P 4.7, “Identify high priority areas where the Commission will partner with cities and other agencies to provide technical and financial assistance.” P 4.17 Prioritize areas for the completion of subwatershed assessments to systematically identify and prioritize loading and volume management BMPs and other management practices.

Elm Creek Fourth Generation Plan: Work has begun on the plan update, complete by mid-2025. Chloride management is a high priority issue of concern. Development of a Chloride Management Plan is an action in the draft education and outreach plan.

B. Shingle Creek Chloride TMDL: <https://www.pca.state.mn.us/sites/default/files/wq-iw8-02e.pdf>

Metro Chloride TMDL: <https://www.pca.state.mn.us/sites/default/files/wq-iw11-06e.pdf>

Elm Creek WRAPS <https://www.pca.state.mn.us/sites/default/files/wq-ws4-27a.pdf>

Elm Creek TMDL <https://www.pca.state.mn.us/sites/default/files/wq-iw11-04e.pdf>

<https://www.shinglecreek.org/fourth-generation-management-plan.html>

<https://www.elmcreekwatershed.org/watershed-management-plan.html>

3. Targeting (20 points): Identify the water resource(s) that will benefit from targeted implementation efforts after these grant activities are completed. How will this project lead to more targeted implementation activities that protect or restore those water resource(s)?

Chloride-impairments in the WMOs include Shingle 07010206506, Bass 07010206784, Elm 07010206508, and South Fork Rush 07010206732 Creeks. Rush 07010206528, Diamond 07010206525, and Unnamed 07010206673 Creeks, and Ryan 27005800 and Crystal 27003400 Lakes are at a High Risk of impairment. Other waters are impacted, too.

The WMOs have been using the approach that the entire watershed should be managed for chloride regardless of the receiving water. There are many stakeholders that have a role to play in reducing chloride load. Focus has been exclusively on road authorities, with limited and inconsistent emphasis on others such as private applicators, property managers, landowners, agricultural operations, and more.

Our approach is:

1. Define and understand the problem. Evaluate available water quality and geospatial data to understand current conditions and sources of chloride. Prioritize geographies by identifying directly connected areas with little/no treatment or management. Identify stakeholders and collect information about management actions undertaken

though in-person meetings, online surveys, and telephone surveys.

2. Define stakeholder roles. We will invite stakeholders such as school/park districts, technical schools, county and state reps, large property managers, and private applicators to participate. The Statewide Plan is a starting point to flesh out a roles and responsibilities matrix.

3. Identify implementation strategies and goals. Step 1-2 will suggest areas of focus, actions, and stakeholders. Specific, measurable goals will be set. One of the overall implementation actions of the plan will be the development of a coordinated, joint education and outreach plan that will supplement efforts already taken by individual cities and the West Metro Water Alliance (WMWA), which is a consortium of the three WMOs plus Bassett Creek.

4. Define ongoing monitoring and assessment. This section will include recommendations for future monitoring to fill gaps.

4. Targeting (5 points): Describe the proposed methods to be used to accelerate implementation of projects and practices that will ultimately improve or protect the targeted water resource.

The proposed plan will analyze existing data and chloride source assessment. The analysis will combine geospatial, water quality, and stakeholder input data to understand the largest sources of chloride, the relative contribution of each, and the highest priority water bodies for management actions. Land use, road density, non-road impervious pavement, including using a new AI tool to extract parking lot locations and data, information on cropped areas that receive fertilizer, and winter chloride use across different land uses will be assess sources. A geospatial analysis completed in the Shingle Creek watershed looking at Directly Connected Untreated Areas (DCUA) will be extended to the other watersheds to identify drainage areas with limited or no treatment to help prioritize geographies for more immediate and intensive management.

Other stakeholder input will be incorporated to understand the management practices across the watersheds. A small working group of members from each WMO has already been identified to help guide plan development. The working group will meet to provide feedback on all elements of the plan. The group will help draft a matrix of stakeholder roles and responsibilities, which will be key to plan implementation. The group will develop a table of implementation strategies and goals that clearly outline a priority waterbody, an implementation strategy, the responsible party, and target timeline and budget.

Members from the County and state and other stakeholder groups that are not always part of these plans such as school and park districts, will be given the opportunity to provide input on plan development. Stakeholder groups such as agricultural operators and rural property owners have not been engaged in any meaningful way, and this plan will provide an opportunity for them.

The proposed project will help LGUs target salt reduction implementation by achieving the four goals of the plan described in the last question.

5. Project Impact (25 points): A) Describe the proposed outcomes of this grant application. Describe how this grant will make implementation efforts more effective or efficient. Describe how the outputs will be either incorporated into the next water management or comprehensive plan amendment/revision or otherwise be incorporated into routine activities resulting in increased water quality protection or accelerated water quality restoration. B) Describe the benefits this proposal will

provide from a local and/or state perspective. C) If applicable, describe how funds used for proposed staffing will be supported long-term.

A) The proposed outcomes of this grant are i) identified priority areas and audiences for chloride management/reduction; ii) clear, defined roles and responsibilities for watershed stakeholders, including the watersheds' education consortium WMWA; and iii) measurable goals, such as reduction in acute exceedances of the stream chloride concentration. The measurable goals will be incorporated into the WMOs' next generation management plans to track progress. Measurable goals will help identify monitoring needs to assess progress.

B) This plan will be informed and guided by the existing state-wide plan but will provide more detailed guidance on the roles and responsibilities of local staff. A coordinated effort across West Metro Watershed organizations will ensure consistent, organized messaging and implementation of chloride reduction priorities. The plan, which will span a wide range of land uses and stakeholders, can be used by other Minnesota watershed organizations to guide development of their own chloride management plan. To our knowledge, no other Minnesota watershed organizations have completed a chloride management plan, so this joint plan is an opportunity to lead watershed-level chloride management in the state.

C) NA

6. Project Rationale (20 points): Why are these the most important and needed activities to implement at this time? Discuss alternatives considered and why those were not selected. How does this proposal complement other watershed work that you and your partners are conducting?

The Shingle Creek chloride TMDL included management actions for both Shingle and Bass Creeks. The TCMA Chloride TMDL included a TMDL for Elm Creek. No TMDL has been completed for Diamond or South Fork Rush Creek, nor for the other at risk water bodies. Generalized implementation actions were identified in those TMDLs, but no specified, targeted actions. The Shingle Creek chloride TMDL has been implemented for over 17 years, with no clear improvement in water quality. Most of the cities in the three watersheds rely on groundwater wells for their drinking water, and there is fear that in the long-term there may be impacts to those drinking water sources such as been experienced in Northeastern US. Within some parts of the developing Elm Creek watershed, properties rely on private wells, which are susceptible to contamination. A more targeted effort is needed to go beyond the generalized BMPs to identify key locations and strategies that have the most potential to improve water quality. The stakeholders need a clear, specific guidance document with goals and strategies to further effective chloride management across a variety of stakeholders. Chloride is a top priority for the WMOs, but they have struggled to effectively implement management strategies.

The three WMOs participated in the Hennepin County Chloride Initiative (HCCI). HCCI members developed a toolbox of templates and educational resources for LGU staff to use to contact their community members and educate them on chloride pollution. The toolbox is targeted for conversations with residents, businesses, and property managers. Shingle Creek and West Mississippi WMOs are developing a WBIF (FY24-25) work plan for continuing the work started during the HCCI working group. The work plan will include new outreach and educational resources for the West Metro Watershed Alliance group; new, more efficient winter chloride equipment for member cities;

and other implementation efforts.

7. Timeline (5 points): Provide an anticipated timeline for completion of the proposed activities. Include steps taken or expected to ensure that the proposed activities can begin soon after the grant award and important project milestones.

Plan development can begin immediately after grant execution. Staff have already begun to research source assessment methods and how to gather stakeholder input. The project teams plan to use the WMOs' regular monthly meetings, as well as a small working group of Commission and Technical Advisory Committee members for feedback on elements of the plan throughout the process. The plan is expected to be developed over 9-12 months. Data analysis and source assessment will take place first (months 1-5), followed by engagement with stakeholders and working sessions (months 3-12), and plan writing and iterative review (months 9-12).

8. The Constitutional Amendment requires that Amendment funding must not substitute traditional state funding. Briefly describe how this project will provide water quality benefits to the State of Minnesota without substituting existing funding.

This project cannot be completed with traditional watershed funding programs. This accelerated grant provides a unique opportunity for a joint plan among three watersheds to be developed to spur chloride management in the Twin Cities Metro Area. The Shingle, West Mississippi, and Elm Creek WMOs need to develop a joint Chloride Management Plan to identify sources, priority areas, stakeholder roles, and goals. The Plan will build the WMOs capacity to implement chloride management in a targeted and strategic manner.

9. Please enter the dollar amount requested for CWP Loans. If you are not interested, indicate "not applicable".

Not applicable

10. Please enter the dollar amount requested for Ag BMP Loan Program. If you are not interested, indicate "not applicable".

Not applicable

Application Budget

<i>Activity Name</i>	<i>Activity Description</i>	<i>Category</i>	<i>State Grant \$ Requested</i>	<i>Activity Lifespan (yrs)</i>
Analysis and Plan Development	Data analysis, source assessment, stakeholder outreach, and plan development/writing.	Planning and Assessment	\$47,455.00	