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 Tel: 763.553.1144 • Fax: 763.553.9326
 Email: judie@jass.biz • Website: www.shinglecreek.org

December 5, 2024

Commissioners **and**
 Technical Advisory Committee Members
 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 and Members:

Regular meetings of the Shingle Creek and West Mississippi Watershed Management Commissions will be held Thursday, December 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. We will meet in the **Aspen Room** on the main level.

The Technical Advisory Committee (TAC) will not meet this month.

Please make your meal choice from the items below and email me at judie@jass.biz to confirm your attendance and your meal selection by **noon, Tuesday, December 10, 2024.**

Thank you.

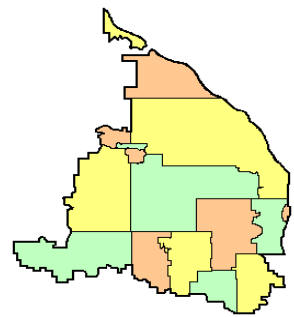
Judie A. Anderson
 Administrator
 JAA:tim

Z:\Shingle Creek\Meetings\Meetings 2024 SCWM\12 Regular and TAC Meeting Notice.docx

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

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 | |



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A combined regular meeting of the Shingle Creek (SC) and West Mississippi (WM) Watershed Management Commissions will be convened Thursday, December 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.*

A G E N D A

December 12, 2024

1. Call to Order.
 - 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.
- SCWM 3. Open forum.
4. Project Reviews.
 - √ SC a. SC2024-07 Arbor Lakes Active Living, Maple Grove.*
 - √ WM b. WM2024-03 109th Avenue reconstruction, Brooklyn Park/Champlin.**
5. Water Quality.
 - SCWM a. 2024 Annual Progress Review – presentation.
 - SC b. Crystal Lake Management Plan Review – presentation.
6. Grant Opportunities.
- SCWM 7. Education and Public Outreach.
 - a. Conservation Education and Implementation Partnership.*
 - b. WMWA – next meeting –8:30 a.m., via Zoom, on January 14, 2025.
- SCWM 8. Communications.
 - a. JPA update – Gilchrist.
 - b. Communications Log.*
 - c. Staff Report.*
 - 1) Mississippi Riverbank Stabilization Study.
 - 2) Brookdale Park Shingle Creek Remeander and Enhancement.
 - 3) Education and Outreach Update – Winter Salt Week 2025.
 - d. LMCIT 2025 Coverages, Rates and Dividend Amounts.*

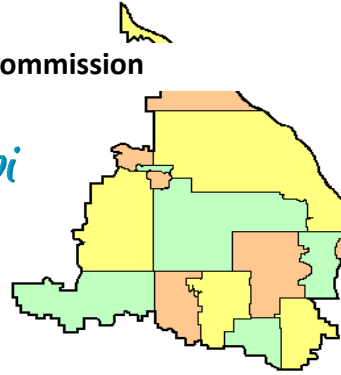
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SCWM 9. Other Business.

- a. Reminder of appointments due by the cities of Maple Grove, Minneapolis, and New Hope for Shingle Creek and by the cities of Champlin and Maple Grove for West Mississippi. Terms are three years.
- b. Solicitations for letters of interest for legal, administrative, and technical services were published in the December 9 issue of the *State Register*. Responses will be considered at the January 9, 2025, meeting.
- c. Officers will be elected at the February meeting.

SCWM 10. Adjournment.

Z:\Shingle Creek\Meetings\Meetings 2024 SCWM\12 Agenda Regular meeting .docx
* In meeting packet or emailed ** Supplemental email / Available at meeting
Previously transmitted * Available on website v Item requires action



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REGULAR MEETING MINUTES

November 14, 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 West Mississippi Chairman Gerry Butcher at 12:46 p.m. on Thursday, November 14, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

Present for Shingle Creek: David Mulla, Brooklyn Center; Burt Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; Bill Wills, New Hope; James Kelly, Osseo; Wayne Sicora, Robbinsdale; Todd Shoemaker and Grace Neumiller, Stantec; Troy Gilchrist, Town Law Center; and Judie Anderson, JASS. Not represented: Brooklyn Park and Plymouth.

Present for West Mississippi: David Mulla, Brooklyn Center; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; James Kelly, Osseo; Todd Shoemaker and Grace Neumiller, Stantec; Troy Gilchrist, Town Law Center; and Judie Anderson, JASS. Not represented: Brooklyn Park.

Also present were: Touyia Lee, Brooklyn Center; Mitch Robinson, Brooklyn Park; Heather Nelson, Champlin; Randy Bergstrom and Jesse Struve, Crystal; Derek Ashe, Maple Grove; Nico Cantarero, Minneapolis; Mike Sorensen, Minneapolis Park and Recreation Board; Bob Grant and Nick Macklem, New Hope; Amy Riegel, Plymouth; Wendy Scherer, Richard McCoy, and Jenna Wolf, Robbinsdale.

Also present were: Robbie Latta, Civil Site Group, for Project SC2024-06; and Jean Myers and Lynette Fogerberg, Crystal, for Open Forum.

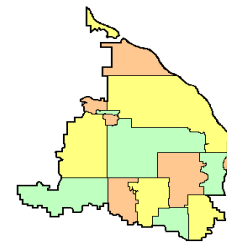
II. AGENDAS AND MINUTES.

Motion by Orred, second by Schoch to approve the **Shingle Creek agenda*** with the removal of item 5.a. CIP Progression. *Motion carried unanimously.*

Motion by Jaeger, second by Mulla to approve the **West Mississippi agenda*** with the removal of item 5.a. CIP Progression. *Motion carried unanimously.*

Motion by Schoch, second by Orred to approve the **minutes of the October 10, 2024, regular meeting.*** *Motion carried unanimously.*

Motion by Jaeger, second by Mulla to approve the **minutes of the October 10, 2024, regular meeting.*** *Motion carried unanimously.*



III. FINANCES AND REPORTS.

A. Motion by Schoch, second by Orred to approve the Shingle Creek **November Treasurer's Report* and claims** totaling \$44,855.00. Voting aye: Mulla, Orred, Jaeger, Schoch, Wills, Kelly, and Sicora; voting nay: none; absent – Brooklyn Park and Plymouth.

B. Motion by Jaeger, second by Mulla to approve the West Mississippi **November Treasurer's Report* and claims** totaling \$10,481.10. Voting aye: Mulla, Butcher, Jaeger, and Kelly; voting nay: none; absent – Brooklyn Park.

IV. OPEN FORUM.

Ms. Myers and Ms. Fogerberg were present to inform the Commission of a flooding or erosion issue at the Twin Lake North Apartments in Crystal (4710 58th Ave N, Crystal, MN 55429). They indicated that their apartment association had hired an engineer to study the problem. Butcher directed them to have their engineer contact the Commission's engineer and coordinate an on-site visit to observe the issue(s).

V. OLD BUSINESS.

VI. PROJECT REVIEWS.

A. SC2024-04 CSAH 10 Box Culvert Replacement, Brooklyn Center and Crystal.* Replacement of two 6x10 box culverts at Twin Lake Creek on a 0.55-acre site located on CSAH 10, 600 feet southwest of the intersection of Major Avenue North and CSAH 10, between the 639W Wetland and Upper Twin Lake. Following development, the site will be 53 percent impervious with 0.30 acres of impervious surface, a reduction of 0.05 acres. A complete project application was received on October 25, 2024.

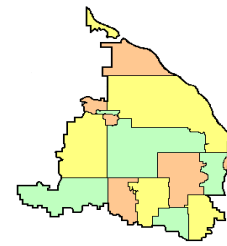
This linear project will replace 0.30 acres of impervious area, which is below the Commission's threshold for stormwater management and, therefore, is not required to meet Commission rate, volume, and water quality requirements.

The erosion control plan includes rock construction entrances, native seed, perimeter silt fence/biolog, silt fence surrounding sensitive areas, inlet protection, rip rap at inlets, slope checks. The erosion control plan meets Commission requirements.

The National Wetlands Inventory identifies two probable wetlands on the north and south ends of the project site. The site is on the boundary of the cities of Crystal and Brooklyn Center. The LGU for this project is the Shingle Creek Commission for both cities. The applicant proposes 1,999 SF of wetland impact, which includes 1,299 SF of Type 3 wetland on the north side of the culverts and 700 SF of Type 3 wetland on the south side of the culverts.

The applicant proposes to pursue BWSR Local Government Road Wetland Replacement Program (LGRWRP) credits for any wetland impacts following the State Statute changes made in August 2024. The required TEP meeting will likely occur after this meeting due to scheduling conflicts. The project would meet Commission requirements if wetland impacts were replaced per the LGRWRP.

Twin Creek is a DNR Public Water. The proposed project is not anticipated to negatively -



impact Twin Creek or its Aquatic Consumption/Aquatic Recreation status. A Public Water Permit is not required because the upstream drainage area is less than 5 square miles. The applicant meets Commission Public Waters requirements.

There is FEMA 100-year zone AE floodplain on the downstream portion of this culvert. Model results show the project maintains the existing flood elevation. The project meets Commission floodplain requirements.

The site is not located in a Drinking Water Source Management Area (DWSMA). The applicant meets Commission drinking water protection requirements.

Hennepin County has provided public notice by mailing letters to properties adjacent to the project area, establishing a project website, and issuing a news release to CCX Media in 2022. These efforts meet Commission public notice requirements.

No BMPs are proposed. Hennepin County is the owner of the culverts. A draft Operations & Maintenance (O&M) agreement is not required.

Motion by Schoch, second by Orred to advise the cities of Brooklyn Center and Crystal that project SC2024-04 is approved, conditioned on submittal of approval of BWSR Local Government Road Wetland Replacement Program credits for any wetland impacts. *Motion carried unanimously.*

B. SC 2024-05 Northwest Greenway Trail Phase 6, Plymouth.* Updated. Construction of phase six of the Greenway trail system on 0.95 acres located south of 59th Avenue North and west of the intersection of Juneau Lane and 57th Avenue North. A complete project application was received November 11, 2024.

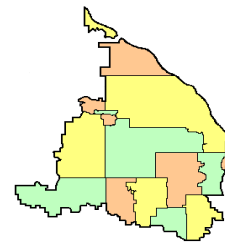
The proposed linear project is the construction of a mix of bituminous, concrete, and timber boardwalk trail. Following development, the site will be 51 percent impervious with 0.48 acres of impervious surface, an increase of 0.48 acres. This is below the Commission's threshold for stormwater management and, therefore, is not required to meet Commission rate, volume, and water quality requirements.

The erosion control plan includes perimeter silt fence/biolog, silt fence surrounding sensitive areas and construction entrances. The erosion control plan meets Commission requirements.

The National Wetlands Inventory identifies two probable wetlands within the project boundary. The City of Plymouth is LGU for WCA administration. Wetland buffers a minimum of 20 feet in width and averaging 30 feet in width are provided to the extent practicable. The applicant proposes utilizing Alternative Buffer Strips along the portion of the trail that connects the existing trail and at the boardwalk abutments. The applicant's use of Alternative Buffer Strips aligns with the spirit and intent of the rule, meeting the Commission's wetland requirements.

There are no Public Waters on this site. The applicant meets Commission Public Waters requirements.

There is a Zone A FEMA 100-year floodplain within the project boundary. The project's



impacts on hydraulics within the floodplain are negligible, maintaining existing flood elevations. The Shingle Creek PCSWMM model results show that the 100-year, 24-hour and 100-year, 10-day events reach elevations of 937.86 feet and 938.10 feet, respectively. The project's lowest fill elevation is 938.40 feet; therefore, no compensatory storage is required. The applicant meets the Commission's floodplain requirements.

The site is not located in a Drinking Water Source Management Area (DWSMA). The applicant meets Commission drinking water protection requirements.

A public hearing on the project will be conducted by the Plymouth City Council, which will satisfy Commission public notice requirements. A meeting date has not been scheduled.

No BMPs are proposed. The City of Plymouth is the owner of the trail. A draft Operations & Maintenance (O&M) agreement is not required.

Motion by Schoch, second by Orred to advise the City of Plymouth that approval of Project 2024-05 is granted with no conditions. *Motion carried unanimously.*

C. 2024-06 Prairie Seeds Academy, Brooklyn Park. * Updated. Construction of a building addition and associated parking on 12.1 acres located at 6200 West Broadway. Following development, the site will be 44 percent impervious with 5.26 acres of impervious surface, an increase of 1.58 acres. A complete project application was received on November 1, 2024.

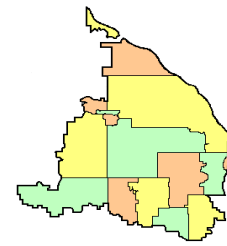
The project disturbs 5.05 acres, which is less than 50% of the total site area. Therefore, volume, rate and water quality standards must be met for the disturbed area, not the entire site. Commission rules require the disturbed area to infiltrate 1.1 inches of runoff from new impervious and reconstructed impervious area within 48 hours. The new and reconstructed impervious area on this site is 2.79 acres, requiring infiltration of 11,138 cubic feet within 48 hours.

The project replaces two existing infiltration basins. The existing, undisturbed and previously treated impervious area is 0.61 acres, requiring infiltration of 2,437 CF within 48 hours.

The applicant proposes a filtration basin on the west side of the site due to contaminated soils. Watershed rules assign 55% credit for sand media BMPs. The applicant meets Commission volume control requirements

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 meets Commission water quality treatment requirements.

Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year, 24-hour, and 100-year, 10-day critical storm event. Runoff from the site is managed through three Best Management Practices (BMPs): an underground infiltration chamber for the new eastern parking lot, a reconstructed aboveground infiltration system for the new building addition, and a filtration basin for the western parking lot. The applicant meets the Commission's rate control requirements.



The erosion control plan includes a rock construction entrance, perimeter silt fence/biolog, silt fence surrounding detention ponds/infiltration basins, inlet protection, rip rap at inlets, slope checks, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.

The National Wetlands Inventory does not identify any wetlands on site. The applicant meets Commission wetland requirements. There are no Public Waters on this site. The applicant meets Commission Public Waters requirements.

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.

The site is not located in a Drinking Water Source Management Area (DWSMA); however, groundwater contamination from an underground fuel tank was discovered during review of the acquired properties on the west side of the site. The applicant proposes filtration in this area. The applicant meets Commission drinking water protection requirements.

A public hearing for the project was held by the City Planning Commission on October 9, 2024, meeting Commission public notice requirements.

A draft Operations & Maintenance (O&M) agreement between the applicant and the City of Brooklyn Park was not provided.

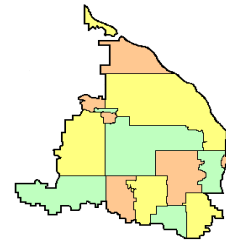
Motion by Schoch, second by Orred to advise the City of Brooklyn Park that Project 2024-06 is approved with two conditions:

1. Provide a complete O&M agreement between the applicant and the City of Brooklyn Park for all stormwater facilities on the project site.
2. Demonstrate by double ring infiltrometer or witness test that all basins achieve the design infiltration rate after construction.

VII. WATER QUALITY.

A. Colorado Avenue Feasibility Study.*The Shingle Creek Commission completed the Gaulke Pond Subwatershed Assessment (SWA) in 2023. The SWA identified the Colorado Avenue infiltration trench as the highest-ranked practice to reduce flooding and improve water quality within the Gaulke Pond Watershed. The study also recommended the Commission study the trench location and design in more detail before final design because of its potential proximity to the adjacent drinking water reservoir. The Commission subsequently applied for and received a grant from the MPCA to study the trench feasibility.

The report,* summarizes the feasibility study process, methodology, results, and recommendations. The scope of work focused on evaluating the proximity of the proposed infiltration trench to the underground drinking water reservoir and the slope stability during construction of the infiltration trench. The analysis concluded that it is possible to construct the proposed infiltration trench adjacent to the drinking water reservoir, but construction would require a special shoring



system to maintain slope stability. The selected contractor would be required to maintain a “competent person” on site at all times during construction. Even with the use of a shoring system, maintaining a safe slope will be difficult and a slope failure may occur behind the property line if proper slope maintenance is disregarded, so there could be some risk to the reservoir if constructed at that location.

Staff reviewed the geotechnical analysis with City staff, and all agreed to shift the trench location one block north to avoid risk and reduce construction costs. Modeling for this feasibility study estimates a potential load reduction of total phosphorus (TP) of approximately 20.2 lb/yr and total suspended solids loading by approximately 3,674 lb/yr. The estimated cost to construct per pound of removal is about \$1,429, well within the range of \$1,000-3,000 per pound acceptable for urban BMPs.

Earlier today, the Technical Advisory Committee recommended acceptance of the feasibility report.

Motion by Schoch, second by Orred to accept the feasibility report and to continue discussions with the City. *Motion carried unanimously.* This project will likely be added to the 2026 CIP.

B. Shingle Creek Crossing Daylighting Study.* Last month, the Shingle Creek Commission authorized Stantec to study potential daylighting of Shingle Creek within the Shingle Creek Crossing development (formerly Brookdale) in Brooklyn Center. Daylighting would restore some natural form and function to the creek and make it a feature of a new park/open space area. This daylighting would help address the creek’s biotic and water quality impairments by adding back natural stream structure, and in-stream and near-stream habitat and vegetation.

The report* summarizes the study process, methodology, and results. The scope of work focused on developing stream layout options that meet Commission and agency permitting criteria that will adequately convey design flows and improve habitat and water quality to the maximum extent practicable.

Included in the meeting packet is a rendering of potential alignments* of the stream. City Staff’s initial review of the alignments indicated their preference for Alignment D and those east of it. Members queried whether the area of the far right (east) alignment could be repurposed. The City of Brooklyn Center is also leading a broader feasibility study for the area.

Earlier today, the Technical Advisory Committee recommended acceptance of the feasibility report.

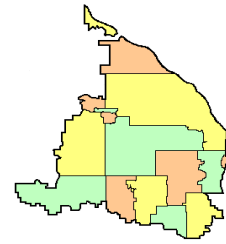
Motion by Mulla, second by Schoch to approve the report. *Motion carried unanimously.*
[Mulla departed 2:01 p.m.]

VIII. GRANT OPPORTUNITITES.

IX. EDUCATION AND PUBLIC OUTREACH.

A. Grace Barcelow’s November Update.

What we have been working on since the October WMWA Meeting.



1. Wrote article on chloride pollution which will be published in the next couple of weeks.
2. Finished consultations from Fish Lake and Eagle Lake workshops and continued to work with residents to install larger projects. Metro Blooms will be creating designs this winter. A larger project that will have a significant water quality impact has been identified, and more money will be allocated to designing and implementing practices on this property.
3. Continued work on Southgate Apartment complex project, working towards finalizing second budget proposal.
4. Began outreach for Parkers Lake chloride reduction project. Sent a mailing to targeted facilities in the Northern Subwatershed of the lake and have begun to follow up.
5. Continued outreach for Adopt-a-Drain K12 program. Enrolled one classroom at Parnassus Preparatory in Maple Grove. 100+ outreach emails and follow-ups were sent out.
6. Sent mailing to 244 faith-based facilities in WMWA territory to participate in chloride consultations and followed up with phone calls and emails. Reformatted the chloride consultation presentation which will be reviewed at the upcoming WMWA meeting.

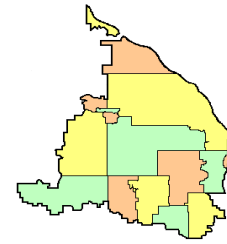
What work will be happening before the December WMWA meeting?

7. Continue outreach to involve middle school classrooms in the Adopt-a-Drain K12 program.
8. Continue outreach for the Parkers Lake Chloride reduction project. Begin scheduling and conducting consultations.
9. Continue outreach for the chloride reduction campaign targeting faith-based facilities in WMWA territory. Staff are seeking any connections folks may have for a faith-based facility in WMWA territory. Staff will continue to reach out to facilities and begin to schedule and conduct consultations.
10. Continue work to complete designs for the Southgate Apartment project in Bloomington.
11. Create December Media Kit. Kit will include news blurb and social media posts about chloride consultations and BMPs post-snowstorm.
12. Create plan for communications strategy in 2025 for presentation at the next WMWA meeting.

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

C. Staff informed members that the School District of **Robbinsdale** is now requiring a service contract with the WMWA educators. The Commission's attorney will review the contract when received.

X. COMMUNICATIONS.



- A. **November Communications Log.***
- B. **November Staff Report.***

1. **Eagle and Pike Lakes Internal Load Management.** The Eagle Lake alum treatment was completed October 21-22, 2024.

2. **Mississippi Riverbank Stabilization Study.** Stantec is now progressing this project to some preliminary design and reaching out to a select few property owners to perform site topographic surveys of the riverbank and backyard areas. Staff hope to develop three site-specific stabilization plans that highlight these various techniques and serve as a template for other homeowners. This would also help Staff to estimate costs for stabilizing plans for the various levels of erosion.

From their initial outreach, Staff heard from 9 of the ~50 home/landowners who agreed to work with us and give us access to their properties. They are re-engaging with some homeowners to set up times for survey teams to collect additional data.

3. **Brookdale Park Shingle Creek Remeander and Enhancement.** Staff recently met with City of Brooklyn Park, Three Rivers Park District and MnDNR to discuss the project and funding options. Staff have also completed funding research and their potential applicability for this project. Funding options and a project cooperative agreement will be presented for consideration at the December Commission meeting.

- 4. **Grant, Cost-Share and Fund Balances** are summarized on page 3 of the report.
- 5. **Upcoming conferences and project updates** are outlined on page 2 of the report.

XI. OTHER BUSINESS.

A. Reminder of appointments due by the cities of Maple Grove, Minneapolis, and New Hope for Shingle Creek and by the cities of Champlin and Maple Grove for West Mississippi. Terms are three years.

B. **Solicitation for letters of interest** for legal, administrative, and technical services will be published in the December 9 issue of the *State Register*. Responses will be considered at the January 9, 2025, meeting.

C. **Officers will be elected** at the February meeting.

D. **Fair School campus improvement project** November 27 design show case. Staff will forward the invitation to the members.

E. There being no further business before the Commissions, the joint meeting was adjourned at 2:10 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Judie A. Anderson".

Judie A. Anderson

Recording Secretary/JAA:tim

SHINGLE CREEK WATERSHED MANAGEMENT COMMISSION**PROJECT REVIEW SC2024-07: Arbor Lakes Active Living**

Owner: Evan Doran
Company: Doran MG Senior, LLC
Address: 6423 City West Parkway, Eden Prairie, MN 55344

Engineer: Josph Bailey
Company: Sambatek
Address: 12800 Whitewater Drive, Suite 300, Hopkins, MN 55343

Phone: 763-746-1606
Email: jbailey@sambatek.com

Purpose: Construction of multi-family apartment and parking on 2.7 acres.

Location: Lot north of Village Dr. and west of Village Wy. (Figure 1).

- Exhibits:**
1. Project review application and project review fee of \$1,800, dated 11/22/24, received 12/2/2024.
 2. Site plan, preliminary plat, grading (Figure 2), utility, erosion control, and landscaping plans, by Sambatek, dated 11/08/24, received 11/25/24.
 3. Application Cover Letter, by Sambatek, dated 11/25/24, received 11/25/24.

- Findings:**
1. The proposed project is the construction of a multi-family apartment and adjacent roadway. The site is 2.7 acres. Following development, the site will be 63 percent impervious with 1.7 acres of impervious surface, an increase of 1.6 acres.
 2. The complete project application was received on 12/2/24. To comply with the 60-day review requirement, the Commission must approve or deny this project no later than the 1/16/25 meeting. Sixty calendar-days expires on 1/31/24.
 3. Commission rules require the site to infiltrate 1.1 inches of runoff from new impervious area within 48 hours. The site is located within the "undeveloped area" of the Maple Grove Gravel Mining Area (GMA, Figure 3). In 2010, the Commission reviewed and approved a plan by the City of Maple Grove to obtain infiltration credits for this new development by constructing infiltration basins adjacent to four existing regional stormwater ponds. Stormwater from areas that developed prior to the infiltration rule is directed to these basins. The applicant meets the Commission's volume control treatment requirements.
 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. This requirement is satisfied by the downstream Regional Pond SC-P65. 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, 24-hour, and 100-year, 10-day critical storm event. Runoff is proposed to be routed to nearby regional ponds. The runoff from the site will be routed through existing storm sewer

SC2024-07: Arbor Lakes Active Living

leading to the adjacent stormwater pond SC-P65. The applicant meets the Commission's rate control requirements.

6. The erosion control plan includes a rock construction entrance, perimeter silt fence, and inlet protection. However, construction entrances at all potential access points have not been provided. The erosion control plan does not meet 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 (907.5') are at least two feet higher than the high water elevation of the detention pond SC-P65 (904.91') according to Atlas 14 precipitation. The applicant meets Commission floodplain requirements.
10. The site is located in a Drinking Water Management Area but is outside of the Emergency Response Area. The applicant does not propose infiltration, so the applicant meets Commission drinking water protection requirements.
11. A public hearing on the project was conducted on 7/29/24 as part of Planning Commission and City Council review of this project, meeting Commission public notice requirements.
12. An Operations & Maintenance (O&M) agreement between the applicant and the City is unnecessary. The City of Maple Grove is responsible for the operation and maintenance of SC-P65 and the existing infiltration basins.
13. A Project Review Fee of \$1,800 has been received.

Recommendation: Approval subject to the following condition:

- 1) Include an additional construction entrance on the southside of the proposed road.

Stantec Inc.
Engineers for the Commission

Todd Shoemaker, P.E.

12/03/24

Figure 1. Site location.

SC2024-07: Arbor Lakes Active Living

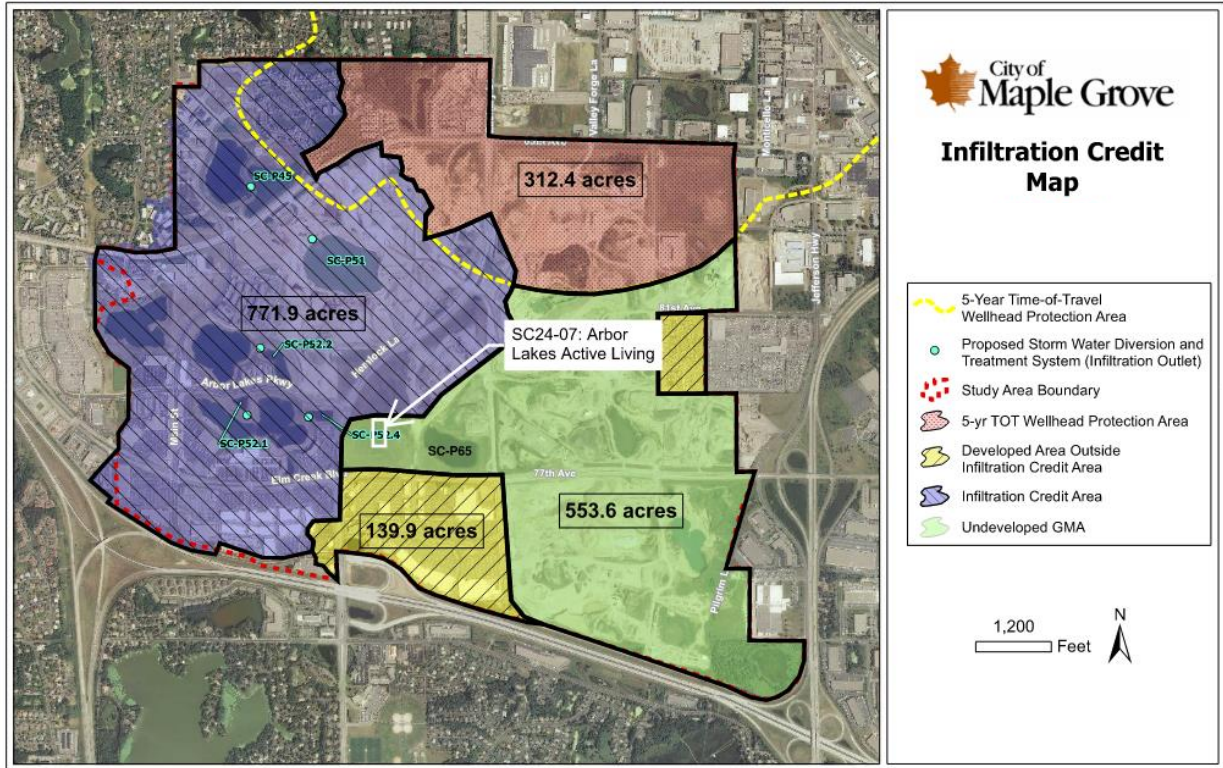


Figure 2. Site grading plan.



Figure 3. GMA Map.

SC2024-07: Arbor Lakes Active Living



Conservation Education and Implementation Partnership

Overview

The Conservation Education and Implementation Partnership Pilot focuses on improving water quality through three key strategies designed to reduce barriers to taking conservation action:

- Deliver practical and interactive conservation education, outreach, and marketing to increase awareness and literacy of water quality concerns and interest in taking action.
- Provide technical support including workshops, site visits, and project design assistance.
- Offer financial assistance to help defray the cost of taking conservation action.

Funding and partners

This partnership is funded by contributions from the West Metro Water Alliance, Hennepin County, and grants from the Minnesota Board of Water and Soil Resources.

Funders and additional partners include:

- **Grants:** Metro Watershed-based Implementation Program; Pollinator Pathways Program
- **Watershed commissions:** Bassett Creek, Elm Creek, Richfield-Bloomington, Shingle Creek, West Mississippi
- **Cities:** Bloomington, Brooklyn Center, Brooklyn Park, Champlin, Corcoran, Crystal, Dayton, Golden Valley, Maple Grove, Medicine Lake, Medina, Minneapolis, Minnetonka, New Hope, Osseo, Plymouth, Richfield, Robbinsdale, Rogers, St. Louis Park
- **Nonprofit organizations:** Metro Blooms

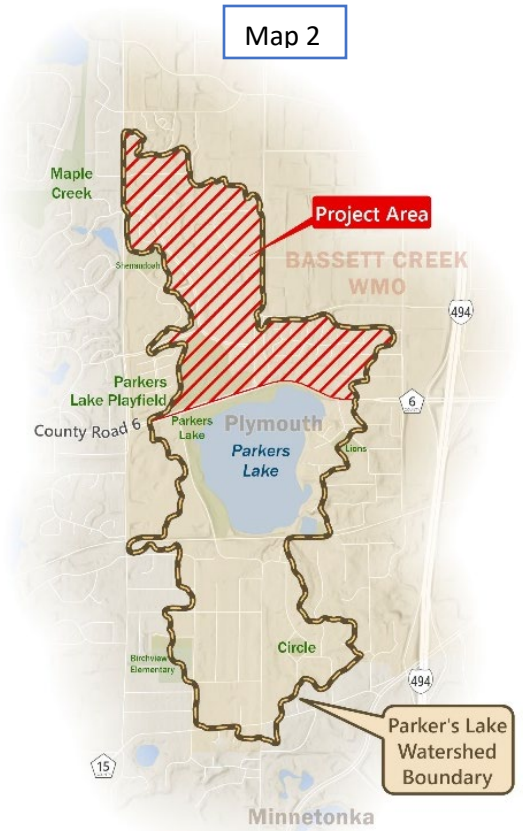
Partnership area map

This map shows the Conservation Education and Implementation Partnership area and locations of water quality improvement projects.



Project area maps

We are working to reduce priority pollutants by implementing water quality improvement projects in the following areas.



Priority pollutants

In 2024 and 2025, the partnership is seeking to address three categories of pollutants:

Chloride

Geographic and audience areas of focus: Businesses north of Parkers Lake (City of Plymouth – see map 2), faith-based facilities throughout partnership area

Client demand and fear of slip and fall lawsuits is the biggest driver of over-salting by contractors. Using the Low Salt, No Salt Minnesota Toolbox, the partnership will offer one-on-one consultations and technical assistance to businesses and faith-based organizations to reduce use of winter deicers. Consultations will generally include presentations and discussions with facility staff or decision-making boards, identification of challenges and opportunities related to snow and ice management, technical and/or financial support to reduce chloride use, and follow-up assistance to help with monitoring, reinforcement, and improvements. Focusing on businesses and faith-based facilities offers opportunities to broaden the impact by changing public perception, awareness, and adoption of practices that reduce chloride pollution.

Bacteria

Geographic and audience area of focus: Pet owners throughout partnership area

There is a major need to address pet waste pollution due to risks it poses to water quality and public health. Pet waste introduces harmful bacteria that lead to human and animal diseases and excess nutrients in bodies of water. A robust [study¹](#) by the University of Minnesota found that a whopping 76 percent of phosphorus and 28 percent of nitrogen found in waterways comes from pet waste. In urban watersheds, household activities dominate nutrient inputs as opposed to commercial, municipal, or industrial actions. All cities within the partnership area are required to complete minimal education on pet waste as a pollutant as part of their Municipal Separate Storm Sewer System (MS4) permit. This campaign will go beyond that by coordinating messaging across multiple partners and developing more focused strategies to influence household behaviors.

Sediment and nutrients

Geographic and audience areas of focus:

- Middle school teachers, students, and families throughout partnership area
- Residents of Southgate Apartments, area draining to Smith Pond (City of Bloomington – see map 1)
- Residents within area draining to Fish Lake and Eagle Lake (City of Maple Grove – see maps 3 and 4)

To reduce sediment and nutrient loading into bodies of water, the partnership is using three strategies:

1. Promoting the Adopt-A-Drain program in schools to increase stormwater literacy, awareness, and water protection behaviors, specifically the adoption of storm drains by classrooms and families.
2. Working collaboratively with residents of Southgate Apartments (a predominantly underserved, Spanish-speaking community) to improve water quality in Smith Pond and the RBWMO watershed. The project will likely include practices that divert runoff and treat water (e.g., rain gardens) and provide community benefits like nature play areas.

¹ University of Minnesota. *Contrasting nitrogen and phosphorus budgets in urban watersheds and implications for managing urban water pollution*. Retrieved from <https://pnas.org/doi/full/10.1073/pnas.1618536114>

3. Offering shoreline restoration and resilient yard workshops to residents with the goal of improving water quality in Fish Lake and Eagle Lake in Maple Grove. Workshop participants will be offered technical and financial support to make water quality improvements.

Coordinated messaging and communications

In support of these efforts, the partnership identified a need for a coordinated media strategy. Each month, guided by a calendar, partners are provided with media kits (www.westmetrowateralliance.org/media-kits.html) that include social media posts, newsletter articles, and photos. The partnership is strengthening connections with city communications staff to share messages and resources.



SHINGLE CREEK / WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION
MONTHLY COMMUNICATION LOG
December 2024

Date	From	To	SC	WM	Description
11/11/24	Tony Kaster, Stantec	Eric Lund, Barr Engineering	X		This project proposes the replacement of a section of the rail spur earthen fill with rip-rap. The proposed design includes excavating to the historic runout elevation of 852.5 feet and replacing the excavated material with Class II rip-rap. The work will occur at the very fringe of the wetland and away from the channel bank. The DNR has determined no public waters work permit is needed for this project. This modification would re-connect the northern and southern wetlands, restoring the site hydrology to pre-remediation conditions and reducing offsite flooding. By maintaining the historic runout elevation, permanent loss of wetland area is not anticipated, and the modification would qualify for a no-loss under MN Rule 8420.0415 H.
11/15/24	Katie Kemmitt, Grace Neumiller	Mike Sorenson, MPRB	X		Email requesting MPRB input on potential new site for Shingle Creek monitoring. SC-0 has posed unsafe conditions for staff. We are exploring potential options within Webber Park.
11/18/24	Julie Deshler, City of Crystal Mayor-Elect	Todd Shoemaker	X		In an email, the Mayor-Elect shared ongoing resident concerns regarding "water quality issues on Twin Lake". No immediate needs or requests from the Mayor-Elect; she looks forward to working with the SCWMC.
11/18/24	Claire Bass, UMN PhD student	Judie Anderson, Katie Kemmitt	X	X	Request for taxonomic fish and macroinvertebrate data collected in the Shingle Creek and West Mississippi Watersheds for research at the Minneapolis-St. Paul Metropolitan Area Long Term Ecological Research program. Staff sent data and resources to Claire.
11/21/24	Todd Shoemaker, Grace Neumiller	John Gulliver, U of M; Nigel Pickering, Geosyntec	X		Shared Shingle Creek data to support U of M chloride study: Shingle Creek monitoring site locations, Shingle Creek Chloride TMDL report and update, Shingle Creek flow data, Shingle Creek DO TMDL, and GIS data.
11/22/24	Kayla Westerlund, Trust for Public Land	Todd Shoemaker	X		Discuss TPL landscape improvements at FAIR School in Crystal.
11/26/24	Laura Rescorla, WSB Engineering	Todd Shoemaker		X	Discuss project and potential Commission funding to maintain St. Vincent de Paul Cemetery channel in Osseo.
12/4/24	Cara Jung, TKDA	Todd Shoemaker	X		Stormwater management questions regarding an upcoming project at 8701 Monticello Ln N, Maple Grove, MN 55369.

To: Shingle Creek/West Mississippi WMO Commissioners
From: Todd Shoemaker, PE, CFM
Date: December 4, 2024
Subject: December 2024 Staff Report

**Recommended
Commission Action**

For discussion and information.

PROJECT UPDATES

- **Mississippi Riverbank Stabilization Study**
 - Stantec is now progressing this project to some preliminary design, and we are reaching out to a select few property owners to perform a site topographic surveys of the riverbank and backyard areas of 3-4 parcels.
 - We hope to develop 3 site-specific stabilization plans that highlight these various techniques and serve as a template for other homeowners. This would also help us estimate costs for stabilizing plans for the various levels of erosion.
 - From our initial outreach, we heard from 9 of the ~50 home/landowners who agreed to work with us and give us access to their properties. We are re-engaging with some homeowners to set-up times for our survey teams to go collect some additional data.

- **Brookdale Park Shingle Creek Remeander and Enhancement**
 - Staff has completed funding research and their potential applicability for this project.
 - Staff continues to meet and coordinate with City of Brooklyn Park staff to discuss the project and funding options.
 - Funding options and the project cooperative agreement will be presented for consideration at the January Commission meeting.

EDUCATION AND OUTREACH UPDATE

Winter Salt Week 2025

Winter Salt Week is January 27-31, 2025. Winter Salt Week is a collaboration of governmental and non-governmental organizations across the United States and Canada with the goal of raising awareness around salt pollution and reduction solutions. This is a great way to engage with Minnesotans on chloride pollution in your community and continue ‘working to keep freshwater fresh’. Visit www.wintersaltweek.org to get a rundown of the daily webinars including Minnesota speakers providing public works perspectives and presenting on the policy solutions panel. Promote Winter Salt Week through your communication channels. Encourage community members to register for live-streams at www.wintersaltweek.org. Ask your Council or Board to proclaim January 27-

31, 2025 as Winter Salt Week. Activate your volunteers to help spread the word and organize an activity for local action day. Template resources are available here: [2025 Outreach Materials Google Folder](#)

- The December WMWA meeting was Tuesday, December 10 at 8:30 AM.
- The January WMWA meeting is Tuesday, January 14 at 8:30 AM.

UPCOMING STORMWATER / WATERSHED MANAGEMENT CONFERENCES

Date	Conference	Location
Jan 28-30	MN Erosion Control Association Conf	Plymouth, MN
Jan 29-31	City Engineer's Association of MN	Bloomington, MN
Feb 23-26	Upper Midwest Stream Restoration Symposium	Dubuque, IA

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
B Center Elementary	Partner-Trust Public Land	\$20,000	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	\$214,813	\$151,306	\$154,320**	\$162,276

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

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

From: Honeck, Laura <lhoneck@lmc.org>

Sent: Friday, November 22, 2024 10:22 AM

Subject: League of Minnesota Cities Insurance Trust: 2025 Coverages, Rates, and Dividend Amounts

Dear Member,

The League of Minnesota Cities Insurance Trust Board of Trustees has set premium rates and coverage changes for the coming year. A dividend will also be returned to members. A copy of this communication will be sent to your insurance agent.

Rates are decreasing

Property/casualty rates will decrease by an average of 6.5%, and workers' compensation rates will decrease by an average of 20%. Please keep in mind your own premium rate will also be affected by changes in your expenditures, payrolls, experience ratings, and other factors.

[Learn more about 2025 premium rates](#)

Coverage changes

There are several coverage changes taking place, including five that are material in nature and several others that are clarifying in nature.

[Learn more about 2025 coverage changes](#)

Dividends total \$8 million

The Trust will return \$3 million to members of the property/casualty program and \$5 million to members of the workers' compensation program. A check for your share of the dividend will be mailed in December.

[Learn more about the dividends](#)

Thank you for your partnership

We look forward to providing you risk management programs and broad, affordable, and stable coverage. If you have any questions about the changes taking place this year, feel free to contact your agent or underwriter.



Dan Greensweig

LMCIT Administrator



Jennifer Wolf

LMCIT Deputy Administrator

League of Minnesota Cities | 145 University Ave. West | St. Paul, MN 55103

(651) 281-1200 | Toll-Free: (800) 925-1122

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