

3235 Fernbrook Lane N • Plymouth, MN 55447
Tel: 763.553.1144 • Fax: 763.553.9326
Email: judie@jass.biz • Website: www.shinglecreek.org

MINUTES
Regular Meeting and Public Hearing
September 10, 2015

(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 Tina Carstens, Chair, on Thursday, September 10, 2015, at 12:45 p.m., at the Clubhouse at Edinburgh USA, 8700 Edinbrook Crossing, Brooklyn Park, MN.

Present for Shingle Creek were: David Mulla, Brooklyn Center; Tina Carstens, Brooklyn Park; Janet Moore, Crystal; Karen Jaeger, Maple Grove; Jeff Johnson, Minneapolis; Bill Wills, New Hope; Daniel Spanier, Osseo; Andy Polzin, Plymouth; Troy Gilchrist, Kennedy & Graven; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Not represented: Robbinsdale.

Present for West Mississippi were: David Mulla, Brooklyn Center; Tina Carstens, Brooklyn Park; Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; Daniel Spanier, Osseo; Troy Gilchrist, Kennedy & Graven; Ed Matthiesen and Diane Spector, Wenck Associates, Inc.; and Judie Anderson, JASS.

Also present were: David Vlasin and Andrew Hogg, Brooklyn Center; John Roach and Jesse Struve, Brooklyn Park; Mark Ray, Crystal; Bob Paschke, New Hope; Ben Scharenbroich, Plymouth; and Richard McCoy, Robbinsdale.

Present for the Public Hearing were Gretchen Enger, Deanna Fritz, Paul Oman, and Dan Priem, Brooklyn Center.

II. **Agendas and Minutes.**

Motion by Wills, second by Polzin 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 Moore, second by Wills to approve the **minutes of August 13, 2015 Shingle Creek meeting**. * Motion carried unanimously.

Motion by Jaeger, second by Butcher to approve the **minutes of the August 13, 2015 West Mississippi meeting**. * Motion carried unanimously.

III. **Finances and Reports.**

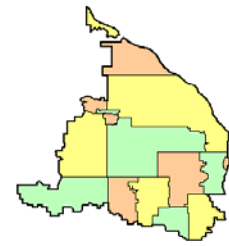
A. Motion by Moore, second by Wills to approve the **Shingle Creek Treasurer's Report**. * Motion carried unanimously.

Motion by Moore, second by Polzin to approve the **Shingle Creek September claims**. * Claims totaling \$36,935.33 were approved by roll call vote: ayes – Mulla, Carstens, Moore, Jaeger, Johnson, Wills, Spanier, and Polzin; nays – none; absent – Robbinsdale.

B. Motion by Jaeger, second by Butcher to approve the **West Mississippi Treasurer's Report**. * Motion carried unanimously.

Motion by Butcher, second by Jaeger to approve the **West Mississippi September claims**. * Claims totaling \$11,207.94 were approved by roll call vote: ayes – Mulla, Carstens, Butcher, Jaeger, and Spanier; nays – none.

*items are included in meeting packet



IV. Open Forum.

Prior to the regular meeting a number of attendees toured the **Webber Park pool**. Spector provided pictures from the tour. Johnson noted an article in the September issue of the *Camden Community News* describing the operation of the “natural” pool.

The regular meeting was suspended at 1:03 p.m.

V. 2015 Capital Improvement Projects.

A. Shingle Creek. At their July 9, 2015 meeting the Shingle Creek Commission received feasibility reports on two proposed projects: Project **2015-02** Shingle Creek Reaeration Project and Project **2015-03** Twin Lake Carp Tracking, Removal and Aeration Project. The Commission chose to proceed with those two projects. A third project, **2015-04** Lions Park Pond Retrofit project, was removed from the original list of CIPs. (The City of Crystal decided not to move forward with that project at this time in order to focus on the Becker Park Infiltration Project.) The Commission also chose to proceed with the annual cost-share project **2015-01** Shingle Creek Retrofit Projects and with a new cost-share project **2015-05** Shingle Creek Priority BMP Retrofit Projects.

B. West Mississippi. The West Mississippi Commission chose to proceed with the annual cost-share project **2015-06** West Mississippi Retrofit Project.

C. At the July meeting the Commissions called for a **public hearing** on September 10, 2015 to consider all five projects. Member cities and the county have been notified and notice has been duly published. Project details and the TAC recommendations were presented in detail in Staff’s September 3, 2015 report.* The purpose of the hearing is to present the proposed projects and proposed financing and to take comment from the member cities and the public.

The Commissioners discussed the proposed projects. No comments were received prior to the meeting.

The public meeting was convened at 1:33 p.m.

No comments were received from the member cities.

Four residents from the Upper Twin Lake subwatershed were present regarding Project 2015-03. They stated they wished to maintain the existing amount of open area on the lake and asked questions regarding the carp removal process, the vegetation management plan, and what types of civic engagement will occur. They will be placed on the Commission’s meeting notice email list to receive future correspondence.

[Spanier departed 1:55 p.m.]

The public meeting was closed at 2:02 p.m.

The Commissioners made some brief comments following the hearing.

D. Motion by Jaeger, second by Johnson to approve Resolution 2015-05 Ordering the 2015 Improvements ... Pursuant to Minnesota Statutes, Section 103B.251.* The motion was approved by roll call vote: ayes – Mulla, Carstens, Moore, Jaeger, Johnson, Wills, and Polzin; nays – none; absent – Osseo and Robbinsdale.

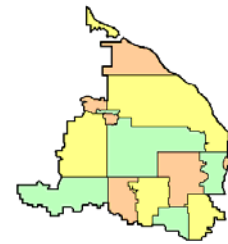
Motion by Mulla, second by Jaeger to approve Resolution 2015-04 Making Findings and Certifying Costs ... Pursuant to Minnesota Statutes, Section 103B.251.* The motion was approved by roll call vote: ayes – Mulla, Carstens, Butcher, and Jaeger; nays – none; absent – Osseo.

The regular meeting resumed at 2:06 p.m.

VI. Project Reviews.

A. SC2015-08 Bass Creek Plaza, Plymouth.* Commercial development on a 1.5-acre site located on the southwest corner of Nathan Lane and Bass Lake Road. Following development, the site will be 42% impervious, an increase of 0.64 acres. A complete project review application was received August 20, 2015.

*items are included in meeting packet



To comply with the Commission's water quality treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 80-85% TSS removal and 50-60% TP removal.

Runoff from the site is proposed to be routed through a filtration basin below pervious pavers, pervious pavement and standard bituminous pavement. Runoff will flow to Bass Creek at the west end of the property and south of the property driveway. The applicant meets Commission water quality treatment requirements.

Commission rules require that site runoff be limited to predevelopment rates for the 2-, 10-, and 100-year storm events. Runoff from the site enters Bass Creek on the west edge of the property and south of the main driveway entrance. The applicant meets the Commission's rate control requirements.

Commission rules require the site to infiltrate 1.0" of runoff from new impervious area within 48 hours or filtration of 1.3". The new impervious area on this site is 0.64 acres, requiring that 0.053 acre-feet be infiltrated within 48 hours. Geotechnical borings indicate the soils limit infiltration. The site will filtrate water onsite utilizing pervious pavement/pavers with a reservoir of coarse aggregate beneath the BMPs and standard bituminous parking lot.

The NWI does not identify any wetlands on site. There are no Public Waters on this site. There is a FEMA Flood Zone A (approximately 900 ft) in the southeast corner of the proposed development. The low floor elevations of the buildings (916 ft) are at least two feet higher than the high water elevation of the filtration basins, meeting Commission requirements.

An erosion control plan was submitted with the project review, and includes rock construction entrance on Nathan Lane, perimeter silt fence, inlet protection, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements. An operations and maintenance (O&M) agreement has not been submitted to the City.

A public hearing on the project will be conducted on September 8 or 15 as part of Planning Commission and City Council review of this project, meeting the Commissions public notice requirement.

Motion by Polzin, second by Jaeger to advise the City of Plymouth that project SC2015-08 is approved with the following conditions.

1. Verify the date when the City's Planning Commission will hear the proposed development, tentatively scheduled for September 8 or 15.
2. Provide an O&M Agreement agreeable to the City.
3. Conduct a post-construction filtration test on the pervious pavers and pervious pavement to verify permeability. If not met, then make corrections as necessary to meet the design function.

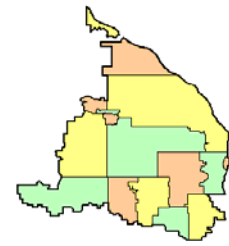
Motion carried unanimously.

B. WM2015-05 NorthPark Business Center, Brooklyn Park.* 227-acre commercial/industrial development located at the southeast corner of 109th Avenue and Highway 169. The current site is undeveloped agricultural land. Following development, the site will be 75% impervious, an increase of 170 acres. A complete project review application was received on August 26, 2015.

To comply with the Commission's water quality treatment requirement, the site must provide ponding designed to NURP standards with dead storage volume equal to or greater than the volume of runoff from a 2.5" storm event, or BMPs providing a similar level of treatment - 80-85% TSS removal and 50-60% TP removal. Filtration of the first 1.3" runoff from the site within 48 hours also meets Commission requirements for water quality.

Runoff from the site is proposed to be routed through a series of stormwater ponds for up to two 100-year events for the water quality pre-treatment and infiltration basins. All of the stormwater will be managed onsite through infiltration. The applicant meets the Commission's water quality treatment requirements.

*items are included in meeting packet



Commission rules require that site runoff be limited to predevelopment rates for the 2-, 10-, and 100-year storm events. Runoff from the site is directed to a series of stormwater ponds and infiltration basins. All of the water is managed onsite and is designed for two back-to-back 100-year events. The applicant meets the Commission's rate control requirements.

Commission rules require the site to infiltrate 1.0" of runoff from new impervious area within 48 hours or filtration of 1.3". The new impervious area on this site is 170 acres, requiring that 14.16 acre-feet be infiltrated within 48 hours. The applicant proposes to infiltrate all of the water onsite due to the highly permeable soils (4.5 in/hr). All of the infiltration basins have the ability to infiltrate the 100-year event within 48 hours and have the capacity to hold the volume of a back-to-back 100-year event. This meets the Commission requirements for infiltration. The applicant will conduct a post-construction infiltration test on the infiltration basin to verify the infiltration rates used in the design. If not met, corrections will be made to meet the design infiltration rates.

The NWI does not identify any wetlands on site. There are no Public Waters on this site. There is no floodplain on this site according to FEMA. There is no known contaminated soil/groundwater according to the project engineer. Infiltration will not cause detrimental effects to the groundwater.

An erosion control plan was submitted with the project review, and includes rock construction entrance, perimeter silt fence, basin perimeter silt fences, inlet protection, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.

A public hearing on the project will be conducted on the Planning Commission or City Council but the date isn't known.

Motion by Butcher, second by Mulla to advise the City of Brooklyn Park that project WM2015-04 is approved with the following conditions.

1. Provide an O&M Agreement agreeable to the City.
2. Conduct a post-construction infiltration test on the infiltration basin to verify the infiltration rates used in the design. If not met, then make corrections as necessary to meet the design infiltration rates.
3. Provide date when the project will be presented to the Planning Commission or City Council.

Motion carried unanimously.

C. Blue Line Light Rail Transit project.* Included in the meeting packet were draft agreements between the Metropolitan Council and the Shingle Creek and West Mississippi Commissions. The agreements provide a mechanism by which Met Council can reimburse the Commissions for staff time spent reviewing the project for conformance with the Commissions' requirements. Each agreement calls for reimbursement in an amount not to exceed \$30,000. Gilchrist noted that, in recent consultation with Met Council, a few minor revisions have been made to the agreements that were included in the meeting packet; however, none of those revisions are substantive.

Motion by Moore, second by Polzin to approve the final agreement with Metropolitan Council.
Motion carried unanimously.

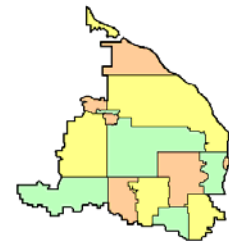
Motion by Butcher, second by Jaeger to approve the final agreement with Metropolitan Council.
Motion carried unanimously.

[Johnson departed 2:28 p.m. Butcher departed 2:30 p.m.]

VII. Water Quality.

Crystal Subwatershed Assessment.* Staff have completed the subwatershed assessment for Crystal Shopping Center. The report was done in consultation with staff from the City of Crystal. The purpose of the study

*items are included in meeting packet



is to provide the City with a variety of stormwater Best Management Practices (BMPs) to reduce flooding concerns within the Crystal Shopping Center area, which is largely impervious and was developed without BMPs. The study area is comprised of 97 acres of commercial real estate bisected at the midpoint by County Roads 8 and 10. The entire area is tributary to Upper Twin Lake to the east.

During ongoing discussions with the City, project 038, an infiltration project originally designed to treat a small direct catchment, became the larger Becker Park Infiltration Project with the potential to achieve a significant load reduction. The Technical Advisory Committee has reviewed the report and has no comments. Project 038 will have to be added to the CIP for 2016. The report will be uploaded to the Commission's website as part of the website update.

Motion by Mulla, second by Moore to accept the report. *Motion carried unanimously.*

VIII. Third Generation Watershed Management Plan.

The Board of Water and Soil Resources has completed its long-planned revisions to Minnesota Rules 8410, sections of which govern Metropolitan watershed planning. The Metropolitan Water Management Rule Amendment, Minnesota Rules Chapter 8410, became effective July 13, 2015.

Many of the revisions have to do with what information now needs to be in watershed and local plans, most of which will not affect the Commissions or cities until their next planning cycle. For cities, local plan timing will now be aligned with Comprehensive Plan updates, and the local plans are now required to be incorporated into Comp Plans. The next Comp Plans are due December 31, 2018, thus *all cities and towns in the seven-county metropolitan area must complete and adopt their local water plan between January 1, 2017 and December 31, 2018*. However, watershed plans are on a rolling schedule and the schedules do not sync up with Comp Plans. BWSR is still developing guidance to reconcile the existing requirements to update local plans within two years of adoption of a watershed plan, and the new requirements to align the schedule with the Comp Plan schedule. For example, since the SCWM plan was adopted on April 11, 2013, all the cities should have updated their local plans by April 11, 2015 unless they had land in another watershed whose plan was still being updated.

For WMOs, one of the more important revisions is a change in the types of plan amendments that must be completed by major plan amendment versus minor plan amendment. The revised 8410 now allows projects to be added to or revised within the CIP by minor amendment instead of major amendment, as long as the county does not object. Randy Anhorn, Hennepin County Environment and Energy Department, has stated that the County follows the same process whether they are reviewing a minor or major amendment, so he does not believe adopting the new 8410 provisions would be an issue with the county.

The minor plan amendment process requires a 30-day comment period followed by a discussion at a legally-noticed public meeting. Staff recommends initiating the minor plan amendment process to adopt these revisions. This would occur at the Commission's November 12 meeting.

Motion by Moore, second by Polzin directing Staff to initiate the minor plan amendment. *Motion carried unanimously.*

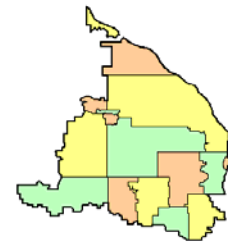
Motion by Jaeger, second by Mulla directing Staff to initiate the minor plan amendment. *Motion carried unanimously.*

More information and the amended rules can be found at bwsr.state.mn.us/planning/metro/index.html.

IX. Education.

A. The West Metro Water Alliance (WMWA) met on September 8, 2015. Members discussed their experiences at the State Fair Eco Experience Blue Thumb display. Visitors were asked what environmental messages resonate with them. Scharenbroich noted that he was surprised how many folks still lack understanding of the things that can be done for clean water.

*items are included in meeting packet



B. Website. A subcommittee continues to develop a separate website for WMWA. The hope is to get the site published in time for the roll out of the Special Project.

C. The **Guidebook for Commercial Properties*** was available at the meeting and is being distributed to the member cities.

D. The September issue of **Water Links** is available on the Hennepin County website at <http://www.hennepin.us/residents/environment/protecting-land-water#water-links>.

E. Shingle Creek/West Mississippi Website. The Commissions' website, shinglecreek.org, is several years old and is being refreshed. A mock-up is anticipated to be available for viewing at the October meeting.

X. Grant Opportunities and Updates.

A. Included in the meeting packet was a copy of a grant application for the **Crystal Becker Park Infiltration Project.*** The estimated project cost is \$2.158 million. The application requests \$725,000 in Clean Water Funds. The city will request that the Commission add this project to the CIP and contribute \$250,000, and will request County funding as well. The City and the Commission will also seek additional grant funding sources for this project. Because the City will need to assemble an estimated \$1.1 million, this project will not be constructed until 2018 or 2019. The application was approved for submittal at the August meeting.

B. Matthiesen presented the final report on the **Green Roof project.*** Different types and mixes of growing media were tested in the lab and in the field to find the lightest weight mix with the best soil moisture retention. The modules were assembled, filled with the most promising soil media, planted with *Sedum*, and field-tested for three growing seasons to evaluate plant viability. The final outcome of the project was a "How To" guidance brochure* providing specifications for designing a modular system, sources of materials, planting mix, types of plants, and instructions for assembling, installing, and maintaining the system. The project demonstrated that it is possible to build do-it-yourself, cost-effective green roof modules from commonly-available materials that can sustain plants hardy in Minnesota climates, at a cost that is less than those that are commercially available. These modules can be easily fabricated and installed by homeowners. The Commission will receive \$28,139.77 in Section 319 DER funding for this project. The report will be uploaded to the Commission's website as part of the website update.

XI. Communications.

A. Communications Log.* No action required.

B. On August 18, 2015 there was an **accidental spill of grout*** from a construction site on Lake Drive in Robbinsdale into a storm sewer that discharges into **Lower Twin Lake**. The grout was being used by the contractor for the Joint Water Commission on a project to line the trunk water main from the Minneapolis water works to the City of Crystal. The contractor provided an excavated pit to contain excess grout purge. A joint failed on a recently repaired county road storm sewer under the pit, which allowed grout and runoff from an intensive rainstorm to enter the drainage system. The spill was reported, contained, and cleaned up, and water quality was tested, finding no apparent degradation.

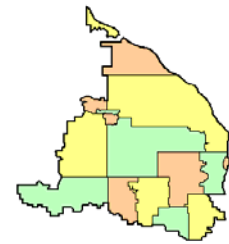
C. Included in the meeting packet was a flyer announcing a presentation by Jason Moeckel, DNR Manager of Div. of Ecological and Water Resources, entitled, **"The Future of Our Water Supply,"*** September 24, 7-8:30 p.m., Crystal Community Center.

D. Also included in the meeting packet was a printed release from MPR News entitled, **"Scientists trying to make common carp a lot less so."***

XII. Other Business.

Counterpart copies of the signed **Joint Powers Agreements** were included in the meeting packet and will be distributed to the cities. Johnson queried the inclusion of Minneapolis in the West Mississippi JPA. [Attorney

*items are included in meeting packet



Gilchrist determined that the members of the Commission are set out in Section IV of the agreement and do not include the City of Minneapolis. The reference to Minneapolis at the beginning of the document is descriptive only and does not suggest the city is a member of the Commission.]

XIII. Adjournment.

There being no further business before the Shingle Creek Commission, motion by Jaeger, second by Mulla to adjourn. *Motion carried unanimously.* The meeting was adjourned at 2:53 p.m.

There being no further business before the West Mississippi Commission, motion by Mulla, second by Jaeger to adjourn. *Motion carried unanimously.* The meeting was adjourned at 2:53 p.m.

Respectfully submitted,

Handwritten signature of Judie A. Anderson.

Judie A. Anderson
Recording Secretary
JAA:tim

Z:\Shingle Creek\Meetings\Meetings 2015\09 Regular Meeting and Public Hearing Minutes.doc