

**RICHFIELD-BLOOMINGTON WATERSHED MANAGEMENT ORGANIZATION (RBWMO)
2022 TECHNICAL ADVISORY COMMITTEE MEETING AGENDA
DECEMBER 12, 2022**

1:00p.m. | Hybrid Meeting – 1700 W. 98th St South Conference Room + WebEx

Technical Advisory Members: Bryan Gruidl (Bloomington); Steve Gurney (Bloomington); Jack Distel (Bloomington); Julie Long (Bloomington); Kristin Asher (Richfield) Chad Donnelly (Richfield); Joe Powers (Richfield); Mattias Oddsson (Richfield)

A. STAFF INTRODUCTIONS (ALL)

**B. LOCAL PLAN ACTIVITIES AND RBWMO PLAN REVIEW (DUE IN EVEN YEARS)
(ALL)**

- Current Watershed management plan approved by the BWSR on December 20, 2017 and adopted by the RBWMO Board of Commissioners on March 5, 2018.
- Implementation Program:
 - I. Monitoring Program
 - II. Water Quality, Data Management, and Evaluation
 - III. H&H Model Update
 - IV. Education and Outreach Plan
 - V. MNRAM Wetland Assessments
 - VI. Invasive Species Management Plan
 - VII. Sheridan Pond Dredging Project
 - VIII. Christian Pond Dredging Project
 - IX. 77th Street Underpass Project
 - X. 66th Street Sewer Improvement Project

C. 2022 PROJECT REVIEW

DEVELOPMENT REVIEW (PRIVATE - BLOOMINGTON)

Use: Our Design Review Committee reviewed several potential redevelopment projects, although there were no ground-disturbing projects undertaken in 2022.

Stormwater Elements: The proposed projects involve repurposing of existing buildings, so no permanent BMPs are anticipated. Erosion control will be required for ground-disturbing exterior work.

**2021-101 BLOOMINGTON PMP RECONSTRUCT PROJECT, 3RD AVENUE, 11TH
AVENUE, AND 22ND AVENUE AREAS (PUBLIC - BLOOMINGTON)**

Use: Full reconstruction of residential street and storm sewer.

Size: (RBWMO only) 7.8 Acre total Site, 0.20 ac decrease in impervious surface, including pavement and curb and gutter.

Description: Project included 7,150 feet of fully-reconstructed bituminous pavement. Curb and gutter total length 12,710 feet with typical street width of 32-feet.

Stormwater Elements: A SWPPP was developed for the project. MPCA Construction Stormwater Permit was obtained. Erosion control included inlet protection, perimeter control, and sod. The new storm sewer construction included oversized perforated CMP at two sites identified as flood areas under our Atlas 14 study. Each pipe gallery included a sump MH for pre-treatment at one end and a second one with cedar stop logs for level control. The pre-treatment sumps include a SAFL Baffle.

LANDSBY APARTMENTS (PRIVATE - RICHFIELD)

Use: Redevelopment dividing existing commercial lot in two and constructing 6 story, 132 unit apartment building with underground parking.

Size: 5.30 ac original lot, 2.01 ac apartment lot, 1.46 ac (72.6%) impervious.

Stormwater Elements: A SWPPP was developed for this project, and MPCA Construction Stormwater Permit was obtained. 2 underground stormwater systems were installed. Site is located in an area of high groundwater vulnerability, but an infiltration system was allowed to receive runoff from the roof after engineering review, with a maintenance agreement requiring regular water quality testing.

SHERIDAN POND MAINTENANCE AND RESTORATION (PUBLIC - RICHFIELD)

Use: Dredging and regrading of constructed stormwater pond, followed by vegetation restoration throughout park.

Size: Project area 3.9 ac, disturbed area <1 ac

Description: Sheridan Pond is a constructed stormwater pond that drains to Richfield Lake.

Stormwater Elements: Construction Stormwater Permit not required, but erosion control measures are included in the plan and will be implemented, including silt fencing and floating curtains around the pond outlet. Accumulated sediment will be dredged to improve storage capacity and pollutant removal. A new outlet structure containing a baffle and sump will be installed at the pipe leading to Richfield Lake. Native vegetation will be planted as buffers around the pond in phase II of the project.

D. 2021 NPDES ANNUAL REPORT REVIEW (ALL)

- TMDL'S
 - I. South Metro Mississippi
 - II. TCMA Chloride
 - III. Penn Lake Nutrients

E. COMPLIANCE CONCERNS (All)

- No WCA action
- Other compliance concerns

F. 2023 RBWMO ANNUAL MEETING (All)

- Richfield hosting, will be in-person with hybrid option (if needed)
 - Preferred date: March 14, 2023
- Sun Current Public Notices – submitted by Richfield
- Agenda
 - Annual Report
 - Business items

G. OTHER ITEMS

- 2022 Activity Update:
- FY2019 Watershed Based Implementation Funding - Pilot project (Bryan)
 - Hennepin County Chloride Initiative
 - Grant extended due to Covid impacts; expires 12/31/2022
 - Lower Minnesota River Collaborative
 - Grant extended due to Covid impacts. Grant expires 12/31/2022
- FY2020-2021 Watershed Based Implementation Funding (Jack)
 - RBWMO Youth Education Program
- FY2022-2023 Watershed Based Implementation Funding
 - Sheridan Pond Maintenance Project (Chad)
 - Conservation Education and Implementation Partnership (Bryan)
 - Feasibility study to help assist in management decisions and identification of priority project that will protect, enhance, and restore surface water quality.
 - Primary waters to be assessed in the study are: Richfield Lake, Wood Lake, Smith Pond, and Wrights Lake.
 - Is there a desired to include the Richfield portion of the Penn Lake TMDL?

- Website Maintenance and updates
- I-494: Airport to Highway 169

- 2023 Work Plan Items
 - Sheridan Pond Maintenance Project
 - Youth Education program partnership with Minnesota Valley Refuge Friends
 - I-494: Airport to Highway 169
 - Conservation Education and Implementation Partnership
 - RBWMO Feasibility Study
 - Other items