



City of Forest Lake MS4 Program

Program Year 2020 Annual Meeting

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Annual Meeting Schedule

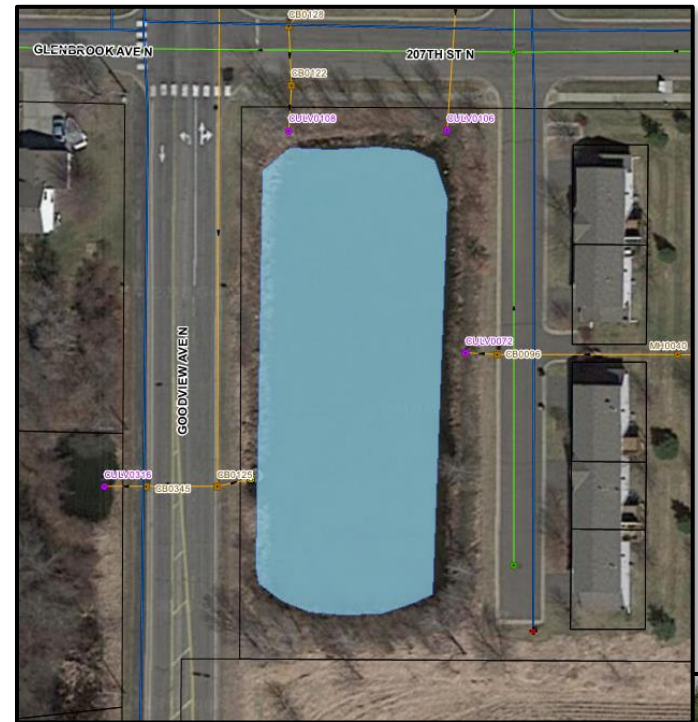
- Forest Lake's MS4 Background
- Current Progress of Stormwater Pollution Prevention Plan (SWPPP)
- Significant Accomplishments
- 2020 MS4 Permit Updates
- Open Conversation



MS4 Background

“Municipal Separate Storm Sewer System”

- Clean Water Act (1972)
- MPCA Initiated MS4 Permit in 2002
- Forest Lake MS4 since 2007
- Previous Permit: August 1, 2013 and ended in 2019
- New Permit – 2021 Reapplication, approval pending.
- Permit gives “authorization to discharge stormwater”
- Environmental protection using:
 - Regulatory mechanisms
 - Education/outreach
 - Implementation



Strong Partnerships



- Clear Lake Association
- Forest Lake Association



MS4 Annual Report

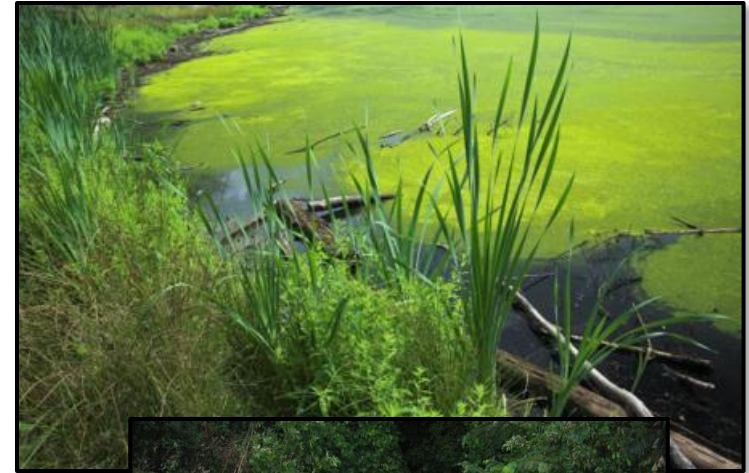
- Submitted on June 24th, 2021.
- Total Maximum Daily Load Spreadsheet updated.
- Approval pending.



Minimum Control Measures (MCM)

Stormwater Pollution Prevention Plan (SWPPP) includes:

1. Public education and outreach
2. Public participation
3. Eliminate illicit discharges to the storm sewer
4. Construction-site runoff controls
5. Post-construction runoff controls
6. Pollution prevention and municipal “good housekeeping”



Street Improvements and Maintenance

- 2020 Street Pavement Maintenance Project
 - Actual storm sewer improvement costs \$315,000
- Hwy 97 & Goodview/8th Roundabout
 - Storm Sewer/Drainage Improvements
 - City \$120,000 (Storm Sewer), \$144,000 (Channel/Pond)
 - Federal \$158,000 (Storm Sewer)
- 2020 Stormwater Pond Cleaning Projects - \$76000
- Other storm sewer/drainage improvements throughout the year.

196 Ponds/Wetlands

44 Miles Storm Pipe

1808 Catch Basins

1019 Culvert Ends

464 Manholes

1900 Surface Water Features



Public Outreach and Education

- Partnership with Washington County, Washington Conservation District, Comfort Lake Forest Lake Watershed District, Rice Creek Watershed District.
- East Metro Water Resource Education Program (EMWREP)
- Utility Mailer (Spring and Fall)
- Landscaping Workshops
- Stormwater Events
- TV/Radio Adds
- Lake Association Workshops
- Materials and Resources
- SMART Salting Workshops



Significant Accomplishments

- Continued Enhanced Street Sweeping Plan
 - New educational wrap on sweeper.
- Downtown Area Stormwater Management Plan
 - Identify regional locations for stormwater treatment.
- JD4 Stormwater Management Study
 - Identified regional locations for stormwater management in RCWD.
- Castlewood Subwatershed Agricultural BMPs
 - CLFLWD leasing land, converted to native prairie
- Shields Lake – final alum treatment, fall 2020
- Forest Lake Outlet – fish barrier replaced



Significant Accomplishments

- Pond Cleaning Prioritization
 - Two ponds cleaned in late 2018 and 2019.
 - Proposed budget of \$100,000 per year to continue cleaning highest priority ponds.
- Local Water Management Plan Updates
 - Updates complete.
 - Full approval by CLFLWD, RCWD, Washington County and Met Council
- Curly-leaf treatment – Forest Lake
- Diagnostic and Monitoring Work



2020 MS4 Permit Updates

- Additional Education Requirements
 - Recording completion
 - More defined schedules
 - Partnerships
 - Deicing/pet waste
- Public ↔ Private Maintenance
- Linear (Street) Projects
 - New AND Reconstructed Impervious
- Reissue Permit Late **2020** (Anticipated)



2021 MS4 Permit Reissued

- Updates to education planning, staff training, and city ordinances.
 - Salt storage and application, and pet waste.
- 12 months to update ordinances after reissuance date.
- New waste load allocations in RCWD.
- Water quality modeling likely required in 2021/2022.
- Permit expected to be reissued summer 2021.



Questions/Open Discussion

