



City of Forest Lake MS4 Program

Program Year 2021 Annual Meeting

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Annual Meeting Schedule

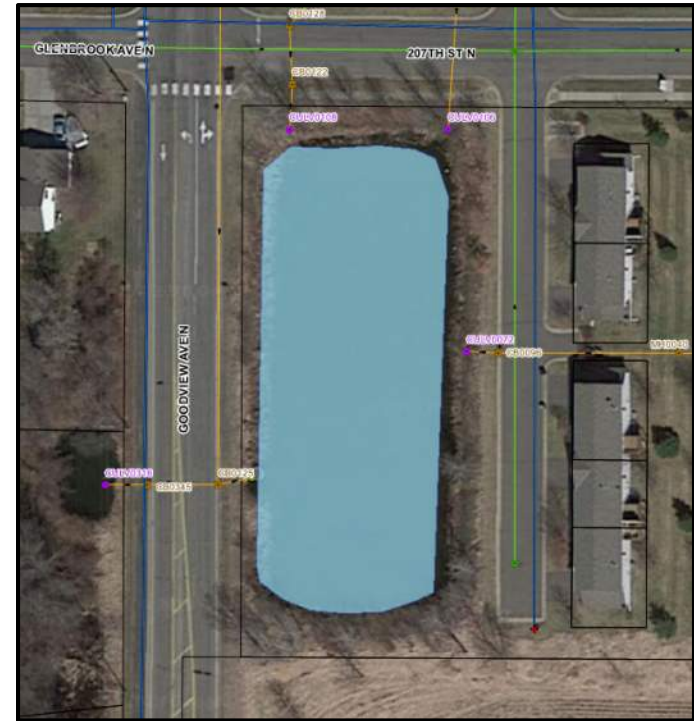
- Forest Lake's MS4 Background
- Current Progress of Stormwater Pollution Prevention Plan (SWPPP)
- Significant Accomplishments
- 2021 MS4 Permit Reissuance – Major Changes
- Open Conversation



MS4 Background

“Municipal Separate Storm Sewer System”

- Clean Water Act (1972)
- MPCA Initiated MS4 Permit in 2002
- Forest Lake MS4 since 2007
- Permit gives “authorization to discharge stormwater”
- Previous Permit: August 1, 2013 and ends in 2019 (2021)
- **New Permit Reissuance – Active in 2021, requirements to be met in Sept. 2022.**
- Environmental protection using:
 - Regulatory mechanisms
 - Education/outreach
 - Implementation



Strong Partnerships



- Clear Lake Association
- Forest Lake Association



MS4 Annual Report

- Submitted on June 15th, 2022.
- 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

- 2021 Local Street Improvement Projects
 - Actual storm sewer improvement costs \$70,000
- Forest Hills Preserve
 - Actual stormwater management costs \$233,000
- Pond Cleaning – Pond 0580
 - \$68,000
- 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
- Water Pollution Games
- Materials and Resources



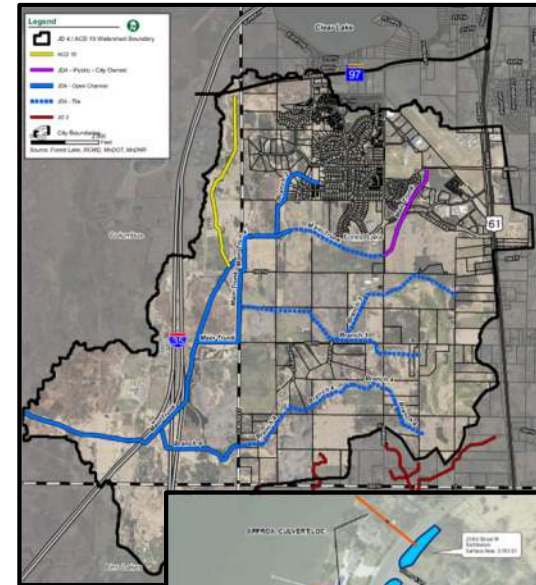
Significant Accomplishments

- CLFLWD – Fish Barrier
 - February 2021
 - Replaced old barrier at lake outlet
 - Prevents carp from migrating into/out of Forest Lake
- Continued Street Sweeping
 - New implementation in 2019
 - Use for water quality compliance



Significant Accomplishments

- Judicial Ditch 4 Watershed Planning
 - Building regional partnerships with development.
 - Better water quality and flood control
- Downtown Area Stormwater Planning
 - Identify best practices to accommodate stormwater management requirements in critical downtown area.
 - 90% Plans and Specifications complete for first phase.
- Pond Cleaning #4



2022 MS4 Permit Updates

- Major modifications due September 2022
- Additional Education Requirements
 - Recording completion
 - More defined schedules
 - Partnerships
 - Deicing/pet waste
- Public ↔ Private Maintenance
- Linear (Street) Projects
 - New AND Reconstructed Impervious



Questions/Open Discussion

