



ANNUAL Storm water POLLUTION prevention plan PUBLIC HEARING

2023 STORM WATER activities

Catch basin and manhole repairs in Foxberry Farms neighborhood.

General Permit approval and began implementation (2020 – 2026 period)

Projects 2023 & beyond



Complete the Stormwater Maintenance Policy and Procedures



Incorporate new mandated MS4 permit requirements into our SWPPP and update ordinances as necessary



Work with Watershed (BWSR Grant Funding) and landowners to prepare plans for the Morningside area stormwater treatment

New Permit Requirements

01

The permittee must maintain a written or mapped inventory of private structural stormwater BMPs

02

Conduct structural BMP and outfall stormwater inspections each calendar year (public), at least once prior to expiration of permit cycle in 2026 (private)

- If maintenance cannot be completed within one year of discovery, permittee must document a schedule

03

Conduct pond inspections at least once prior to the expiration of the permit cycle in 2026 for both the public and private

- Industry practice is to complete 20% each year of permit cycle

Permit Requirements:

Inventory of all ponds and stormwater BMPs (ie. rain gardens, bio-filtration basins/trenches) both public and private

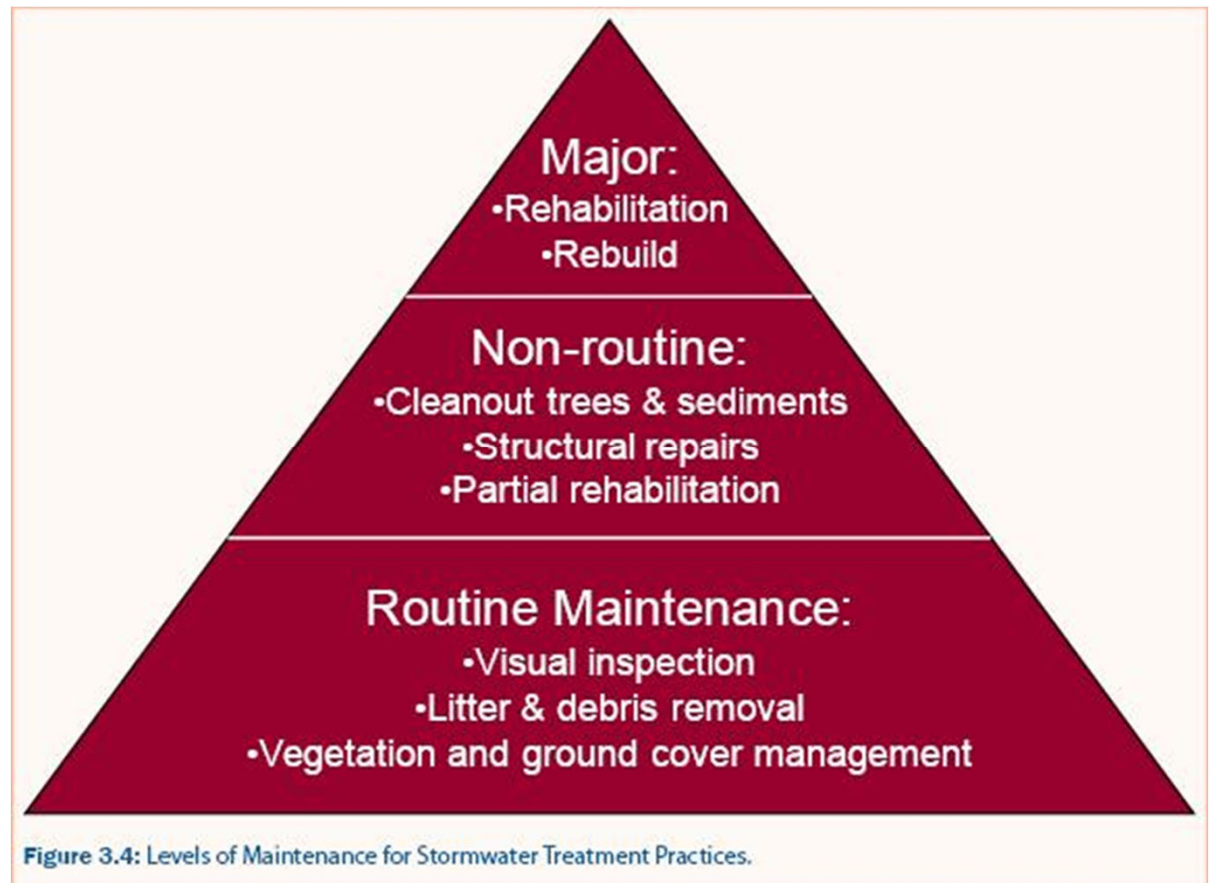
Inspections of private and public ponds and stormwater BMPs



Pond Maintenance process:

1. Inventory of all ponds– public and private
2. Develop 5-year inspection plan – typically break city up into 5 phases
3. Conduct surveys of ponds older than 20 years in each phase – (to be completed every 10 years)
4. Determine pond maintenance needs based on survey
5. Once 50% of original volume is reduced than Pond Dredging required
6. Require private pond owners through O & M agreements to submit yearly inspection and maintenance reports

Levels of Maintenance




Estimated Yearly Costs:

1. Pond surveys, bathymetric processing and memos = \$1,200 - \$1,500/pond (depends on size)
2. Pond Dredging costs* = ~\$30-45K (engineering) + \$150-300K (construction costs)
3. BMP Inspections = \$5,500 (based on 20% ponds)
4. BMP Maintenance = \$1,000 - \$5,000/pond (varies depending on needs)
5. Management of Private O & M agreements = \$500 - \$2,000 (varies depending on needs)


TOTAL WITH DREDGING= \$188,000 – \$360,000 (varies depending on needs)

TOTAL WITHOUT DREDGING = \$8,200 - \$14,000 (varies depending on needs)

*Will vary from year to year and will depend on sizes of ponds and contamination levels

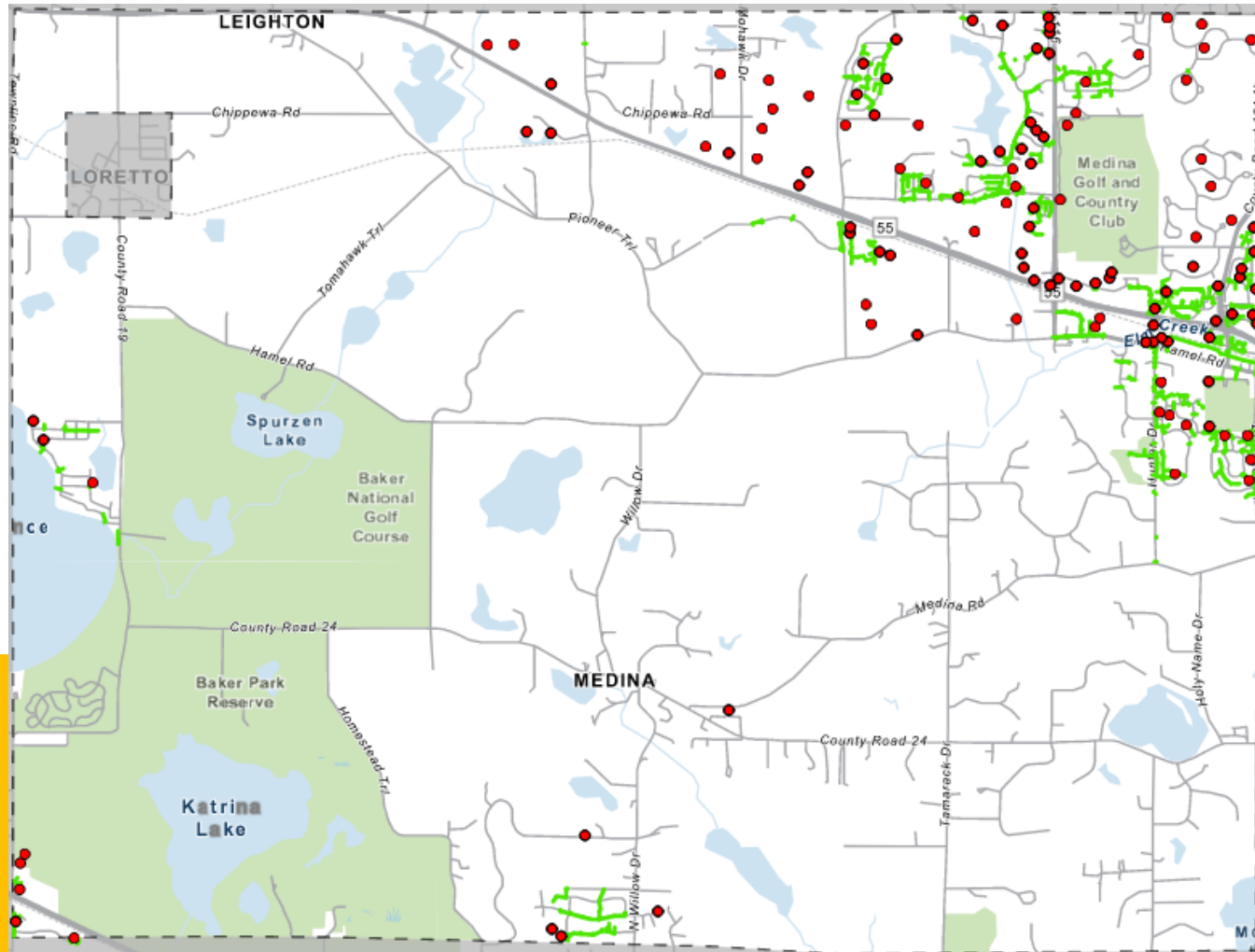


What happens if Pond is Contaminated?

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- Sediment to be treated like solid waste
 - Can cost up to three times more
 - [Managing Stormwater Sediment
BMP Guidance](#)

Estimated 120
public/private ponds,
filtration basins,
underground chambers, etc.

Recommendation to
complete 20% of
inspections each year



Questions?



wsb 

THANK YOU

