

RICE CREEK WATERSHED DISTRICT WATER QUALITY COST-SHARE AGREEMENT

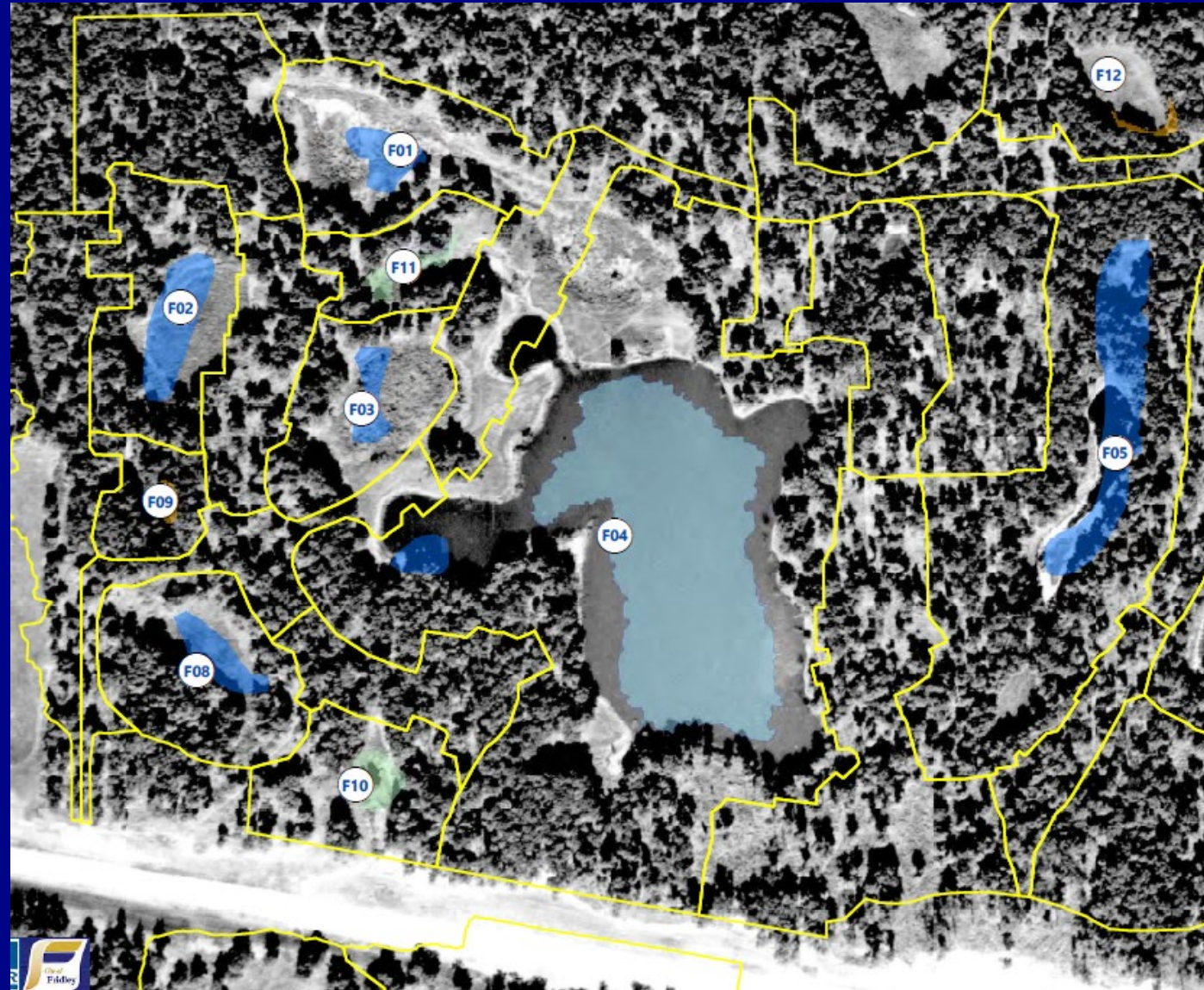
**FARR LAKE/DANUBE POND
STORMWATER MANAGEMENT PROJECT**

MARCH 14, 2022



BACKGROUND

- Barr Engineering completed a study of the Farr Lake/Danube Pond area in 2019
- Recommendations in this report included providing means to reduce sediment loading to Danube Ponds and Farr Lake insofar as practical



FARR LAKE/DANUBE POND PROJECT

PROJECT ELEMENTS

- To date, the Farr Lake/Danube Pond Stormwater Management Project includes maintenance removal of sediment
- Substantial drainage emanates from City streets through this ponding system
- Additional pretreatment via installation of sumped and baffled storm structures would reduce maintenance and maintain a higher level of water quality



FRIDLEY LOCAL WATER PLAN

- Adopted June 24, 2019

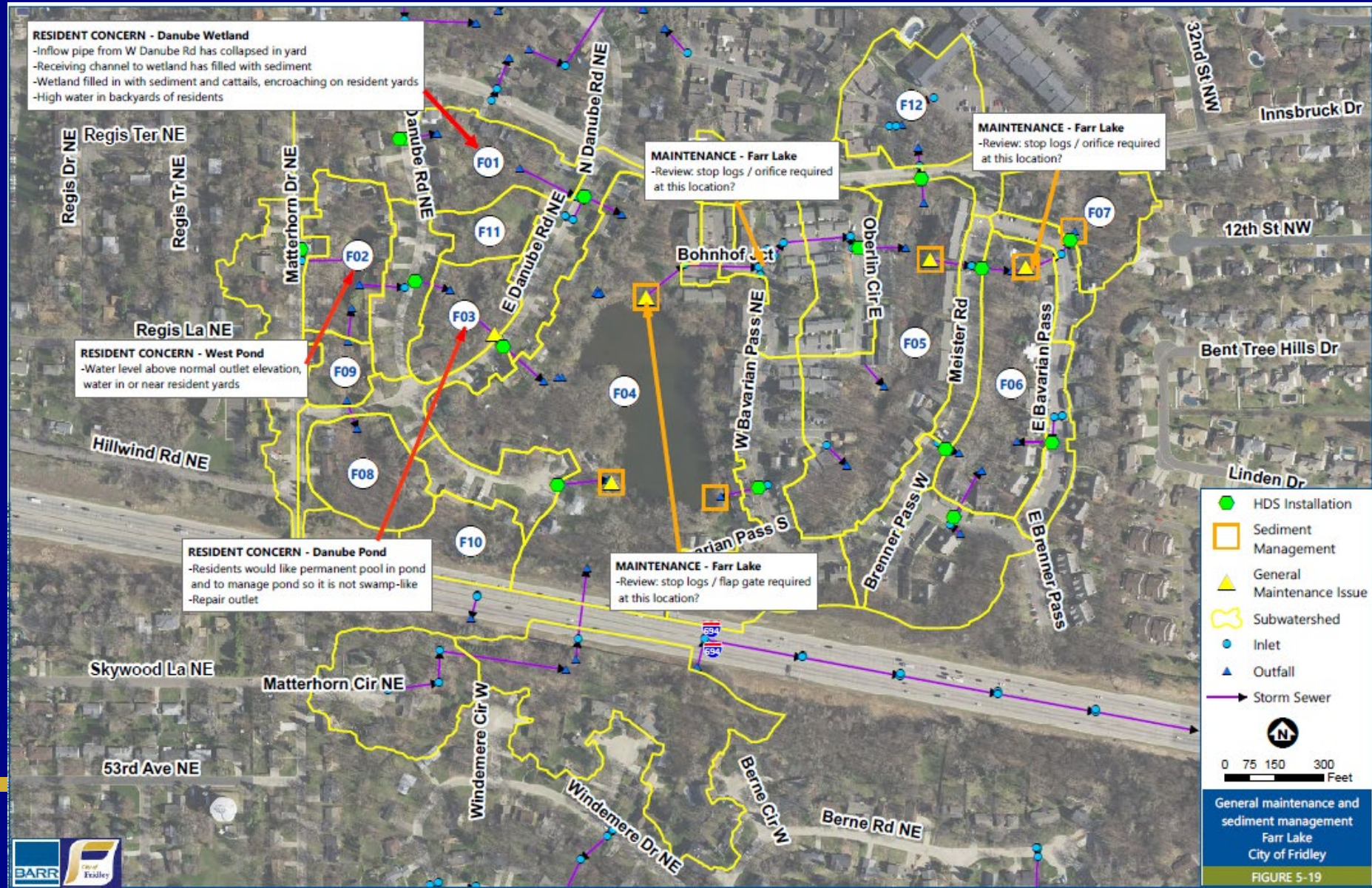
Goal: *"All of Fridley's surface waters can be enjoyed to their highest intended use"*

Action 1.1.A: *"The City in coordination with partner agencies, will install stormwater best practices during future capital investment projects[...]"*

Action 1.3.C: *"The City will integrate water quality and water quantity improvements into road reconstruction projects [...]"*



STORM WATER QUALITY



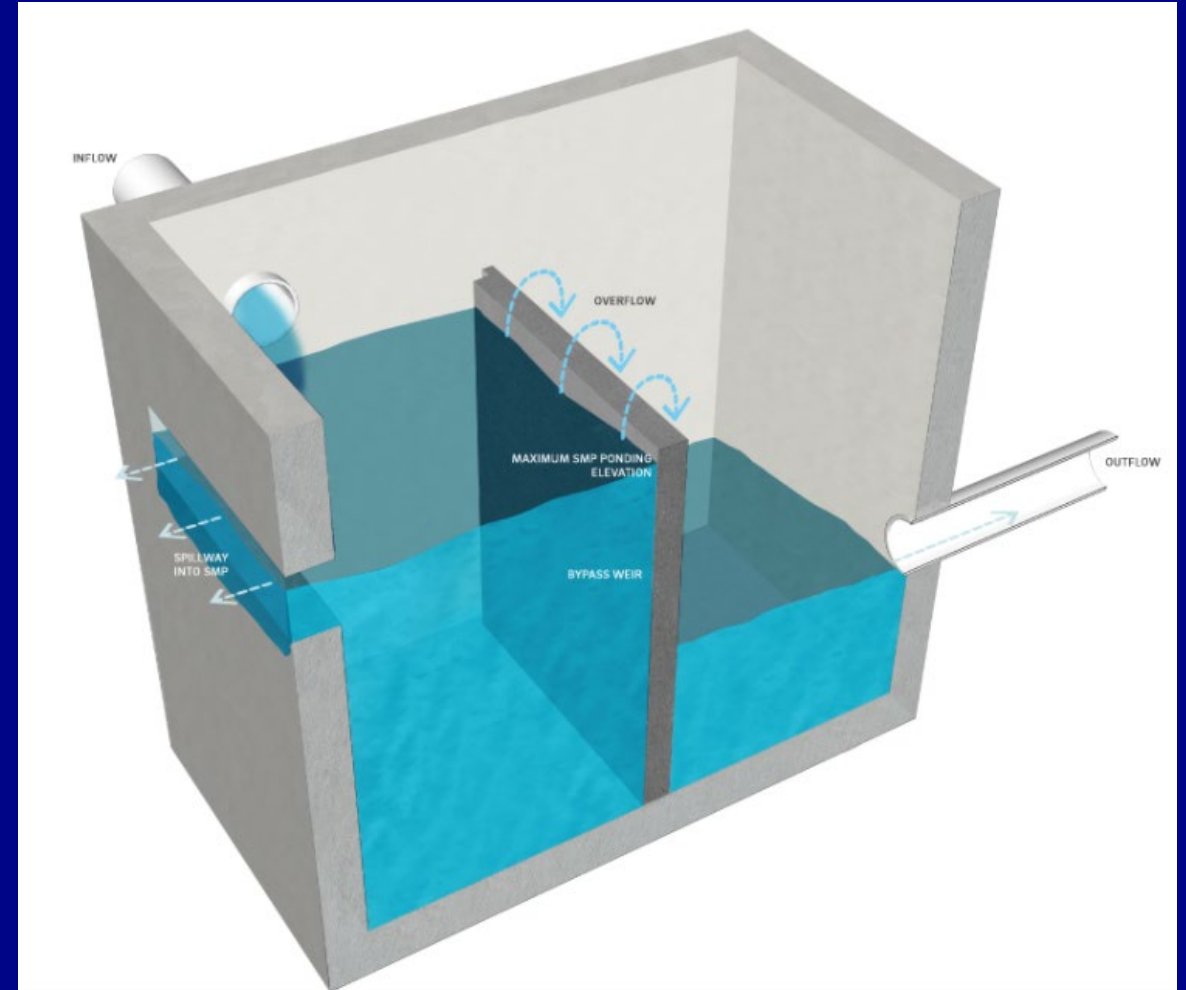
STORM WATER QUALITY

- Evaluated opportunities to improve water quality for cost-effectiveness
- 13 candidate locations will be prioritized and evaluated for best water quality improvement
- Those with the highest cost-benefit will be constructed under this project



SUMPED AND BAFFLED STRUCTURES

- Change out structure
- Inclusion of a baffle for low-flow locations
 - Sediment, oil, and floatables (trash) are deposited in the separator.
 - Vacuumed out with vac-truck twice per year
- All below ground
- No right-of-way needed Easy to integrate into existing maintenance program



FINANCIAL IMPACT

- Estimated at \$290,000
- Applied for and awarded a RCWD Cost-Share grant for \$100,000
- Match budgeted in Capital Investment Program for Watershed Cost-Share via the Stormwater Utility Fund in 2023/2024

GRANT TERMS

- Agreement in packet, consistent with prior grant awards:
- City must provide 50% of the cost
- RCWD will approve plans
- City must provide operation/maintenance plan and as-built records
- City will complete the project by October 31, 2024

REQUESTED MOTION

- Staff requests the City Council

move to approve Resolution 2022-22 approving Water Quality Cost-Share Agreement for the Farr Lake/Danube Pond Stormwater Management Project

found on pages 148 to 150 of tonight's agenda

THANK YOU!