

Project Category: Water Quality

Project Title: **Additional Dredging of Accumulated Sediment in Lagoons D, E and F of the Main Stem Bassett Creek, Wirth Park**

Total Estimated Cost: \$1,200,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in Theodore Wirth Park in the city of Golden Valley is a continuation of work that was completed as part of BCWMC Project BC-7 and includes additional dredging of sediment that has accumulated over decades within the Main Stem of Bassett Creek. Dredging will occur during the winter and the goal will be to achieve the 6 ft lagoon depths that were the initial goal of project BC-7. This project will improve stream hydrology, habitat, and water quality (240 lbs/year TP removal).

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					

Staff will assign funding year.

Justification:

This project will improve water quality in the Main Stem of Bassett Creek and downstream receiving waters by limiting pollutant loading, and removing sediment that accumulated over a short timeframe and is contaminated with PAHs, elevated lead, and petroleum associated with DRO. The project will also improve stream flow.

Scheduling and Project Status:

[Staff will provide this information.]

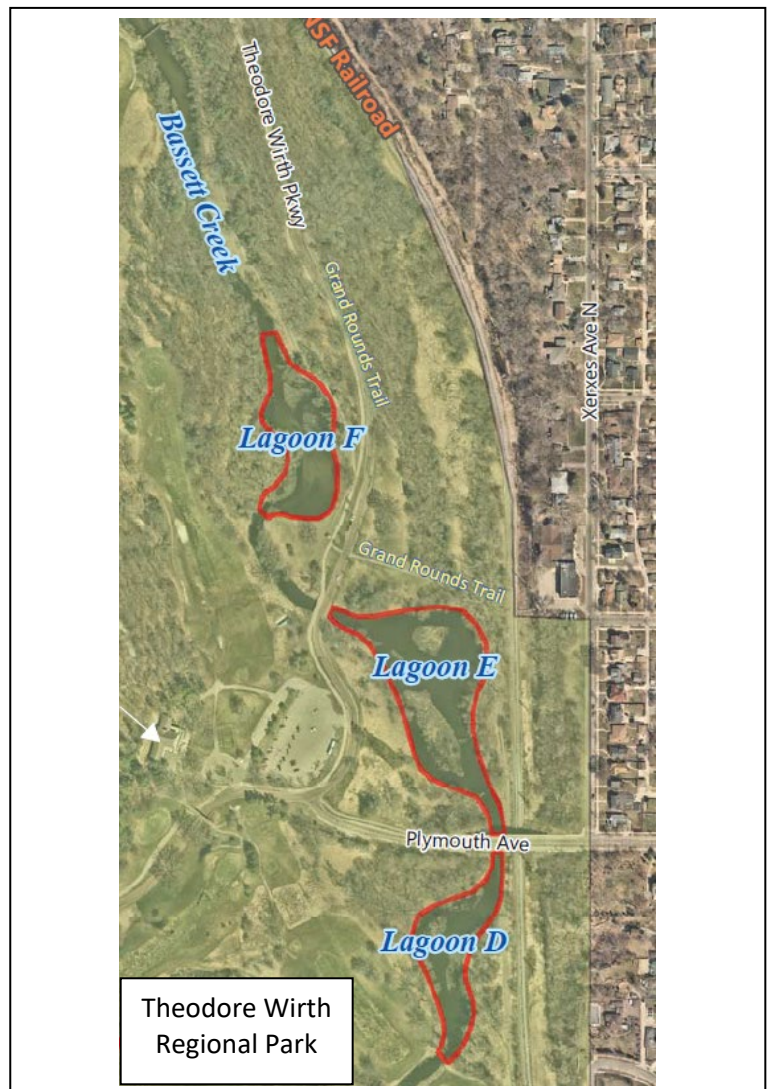
Relationship to BCWMC Plan and Other Projects:

Due to unforeseen circumstances, the contractor hired for BC-7 was only able to dredge to a depth of 3.7 feet in Lagoons D, E and F, and \$1.21M of project funds were left unspent. This project proposes to re-bid and retain a new contractor who will complete the dredging work and achieve the originally intended 6-foot lagoon depth resulting in an additional 240 lbs/year TP reduction at a cost of approximately \$260/lb/year.

This project is consistent with the goals and policies of the 2015 BCWMC Watershed Management Plan. Project BC-7, which occurred in the winter of 2022-2023, was an attempt to dredge Wirth Park lagoons D, E, and F to a depth of 6 feet.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: **Dredging of Accumulated Sediment in Lagoon G of Main Stem Bassett Creek, Wirth Park**

Total Estimated Cost: \$1,900,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in the city of Golden Valley is a continuation of work that was completed as part of BCWMC Project BC-7 and includes additional dredging of sediment that has accumulated over decades within the Main Stem of Bassett Creek. Dredging will occur during the winter in Lagoon G, a lagoon that was not dredged in the initial project. The goal of this project will be to achieve 6 ft lagoon depths in Lagoon G. This project will improve stream hydrology, habitat, and water quality.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					

Staff will assign funding year.

Justification:

This project will improve water quality in the Main Stem of Bassett Creek and downstream receiving waters by limiting pollutant loading, and removing sediment that accumulated over a short timeframe and is likely contaminated with PAHs, elevated lead, and petroleum associated with DRO. The project will also improve stream flow.

Scheduling and Project Status:

[Staff will provide this information.]

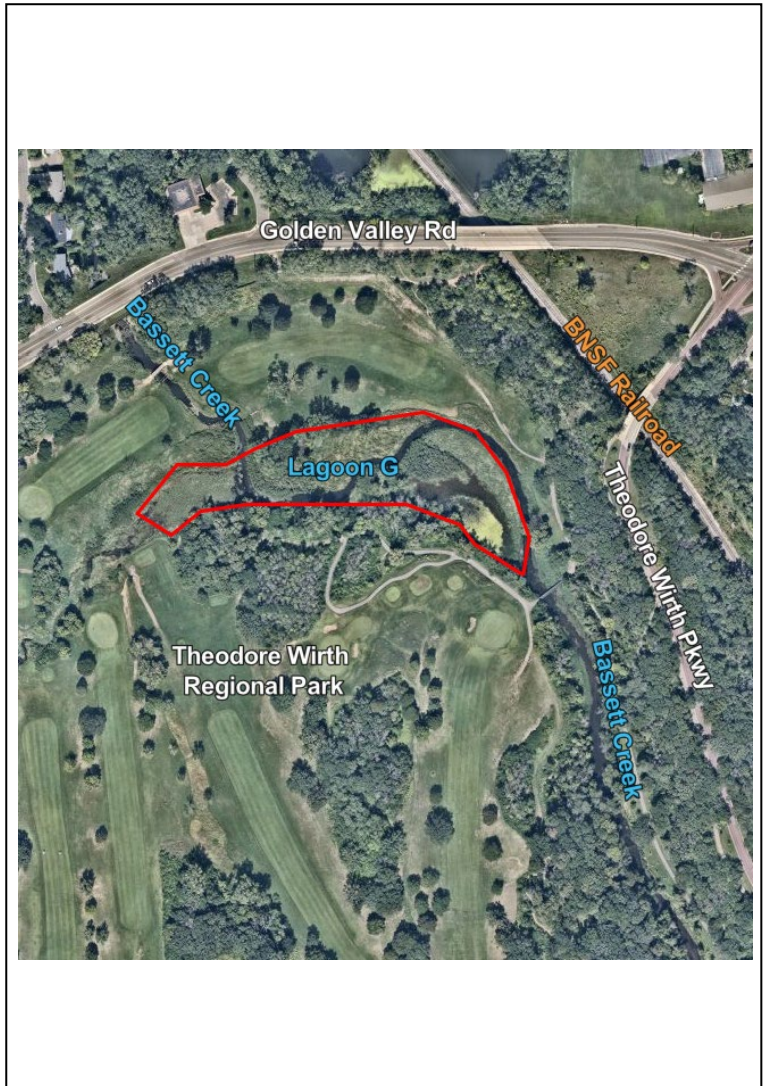
Relationship to BCWMC Plan and Other Projects:

Due to unforeseen circumstances, the contractor hired for BC-7 was only able to dredge to a depth of 4 feet in Lagoons D, E, and F, and \$1.21M of project funds were left unspent. This project proposes to re-bid and retain a new contractor who will perform dredging in Lagoon G, a nearby area that was not dredged in the original project.

This project is consistent with the goals and policies of the 2015 BCWMC Watershed Management Plan. Project BC-7, which occurred in the winter of 2022-2023, was an attempt to dredge Wirth Park lagoons D, E, and F to a depth of 6 feet.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality/Water Capacity

Project Title: Sweeney Lake Branch of Bassett Creek Culvert Repair/Replacement at Theo Wirth Park west boundary

Total Estimated Cost: \$1,000,000
(split between partners)

BCWMC Project Number: [Staff will assign number]

Description:

This project in the city of Golden Valley will repair or replace aging infrastructure that facilitates the flow of the Sweeney Lake Branch of Bassett Creek, helps to protect critical regional watermain infrastructure, and prevents flooding of nearby buildings and property.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County	Staff will assign funding year.				

Justification:

This culvert is an aging corrugated metal pipe that carries the flow of the Sweeney Lake Branch of Bassett Creek. The age and ownership of the culvert is unknown and the City has no known records on file. There is a 24” PCCP watermain owned by the Joint Water Commission and a 48” steel watermain owned by Minneapolis that intersect the culvert (critical regional infrastructure), and may potentially be at risk as the culvert degrades. Nearby buildings (Courage Kenny) and property may be at risk of flooding as well.

Scheduling and Project Status:

[Staff will provide this information.]

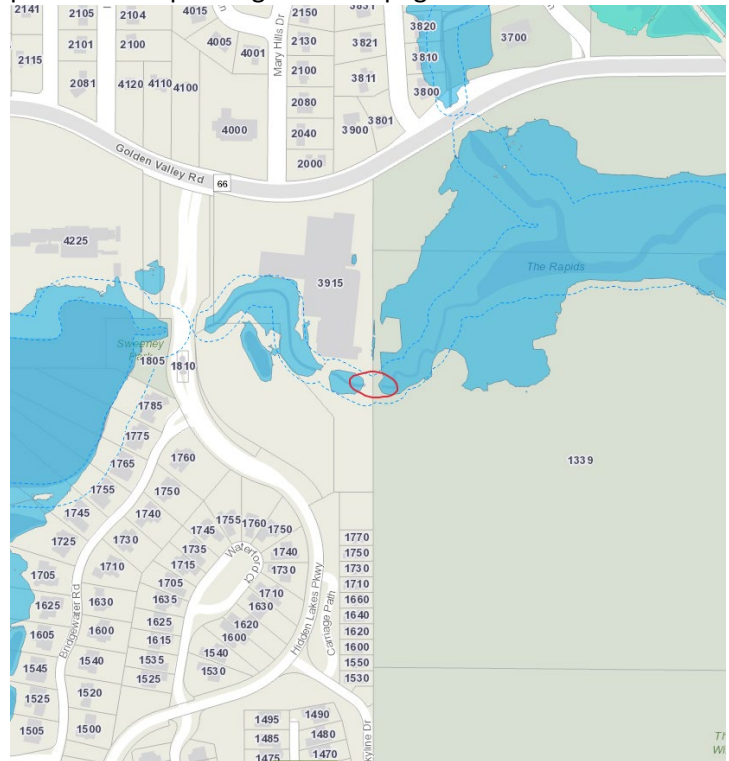
Relationship to BCWMC Plan and Other Projects:

Project is part of the BCWMC trunk system.
 Protect against flood risks along the Bassett Creek trunk system.
 Protect and enhance fish and wildlife habitat in the BCWMC.
 Project is upstream of the Wirth Park Stream Restoration Project and the Lagoon Dredging Project.

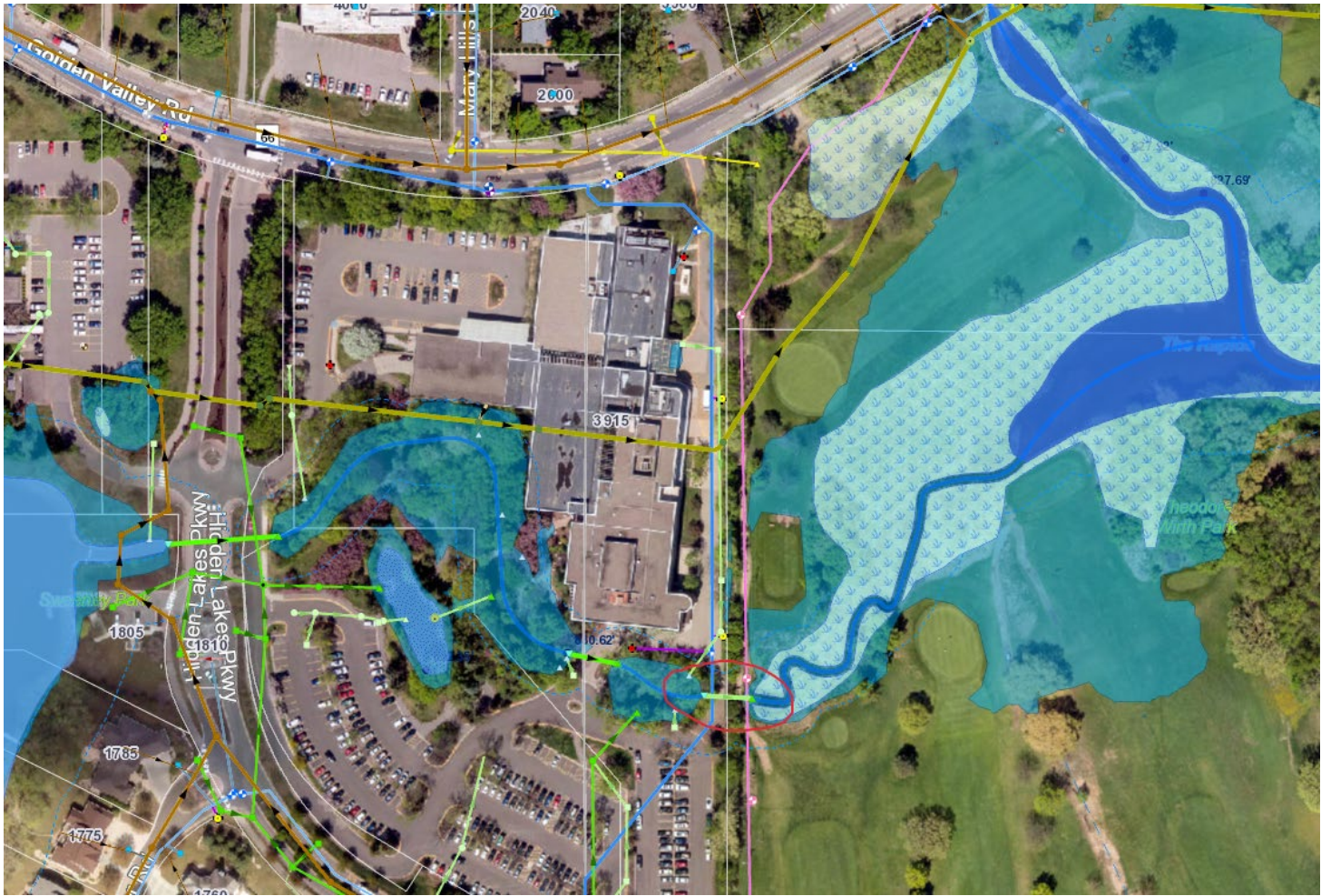
Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs (depending on the ownership and maintenance responsibility).

Insert map, photo, and/or aerial view of site. Additional photos or maps can go on next page.



Aerial with approximate location of underground public utilities



West end of culvert (inlet)

2021 photos



East end of culvert (outlet) – under water.
Unknown pipe in foreground



Inside of culvert



