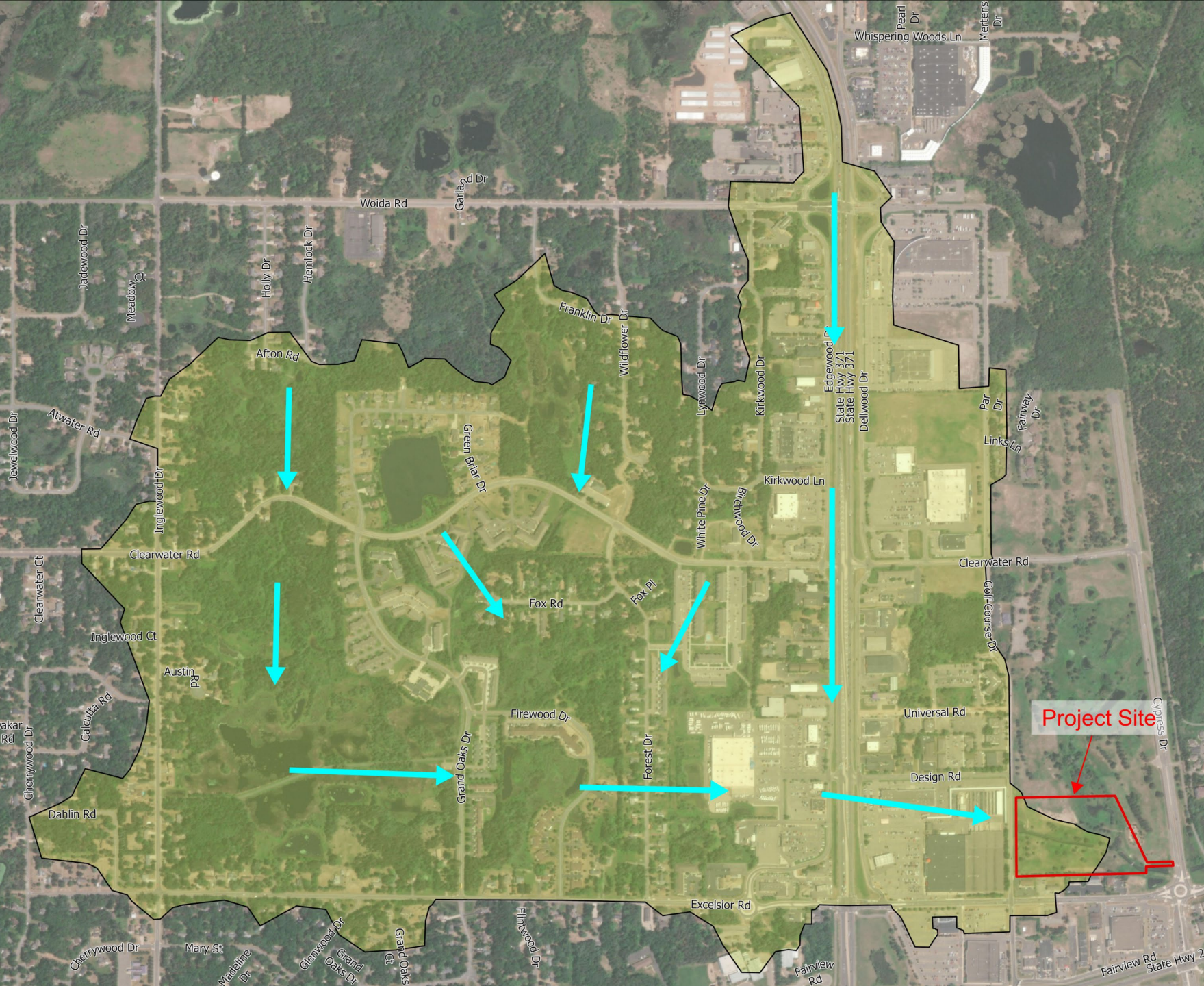




Whiskey Creek Storm Water Treatment Facility

Whiskey Creek

Baxter, MN



The project site will provide treatment for the Highway 371 Baxter commercial corridor to the west, containing 400 acres of impervious area, which ultimately outlets east to the Mississippi River.

Project History

2013 Crow Wing County Water Plan identified the project area as a good candidate for a high-impact water resource project (Ranked #2 – MHB)

2013 - 2014 HDR completed study outlining site location and type of best management practice for what is now known as the Whiskey Creek Area Stormwater Improvement Project

2019 City enters into a purchase agreement with land owners (Good Samaritan Society) to acquire the southern 13+ acres of the former golf course for the Project.

2019 City and its partners, MHB and Crow Wing SWCD, apply for LCCMR and BWSR grants for the land purchase and construction of the estimated \$1.7 million project.

2020 Minnesota Legislative Session ends without adopted ENTRF Bill

2020 BWSR awards \$890,000 from the Clean Waters Program towards construction of Project

2021 Minnesota Legislature awards \$500,000 (ENTRF) for the acquisition of the 13+ acres

2022 HR Green completes Phase I environmental site assessment –

MERCURY DISCOVERED

2022 - 2023 Remediation plans drafted / approved

2022 MHB secured \$150,000 grant from Enbridge settlement to assist with remediation costs

June / July 2023 Good Samaritan completed remediation of the 13+ acres

September 1, 2023 City officially purchased the 13+ acres

September 10, 2023 Whiskey Creek Project officially commenced

November 2023 Estimated completion of Project

Spring 2024 Establishment of permanent plantings



Whiskey Creek Storm Water
Treatment Facility

Project Goals

Primary

Reduce Total Suspended Solids (TSS) to the Mississippi River in order to work towards compliance with MPCA TMDL requirements.

Secondary

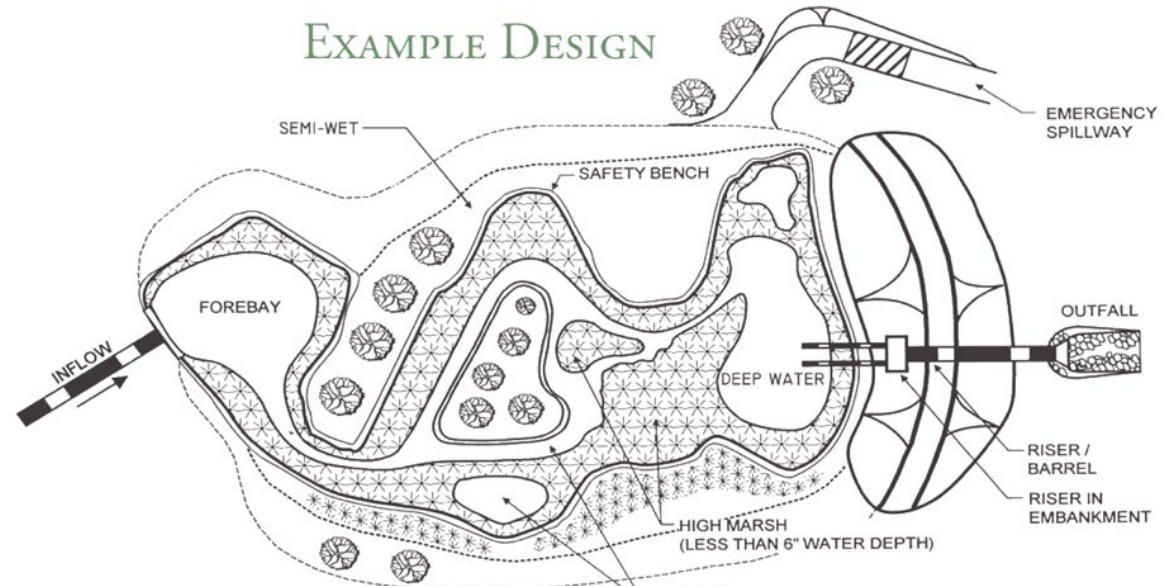
Treat total phosphorus (TP) in storm water runoff



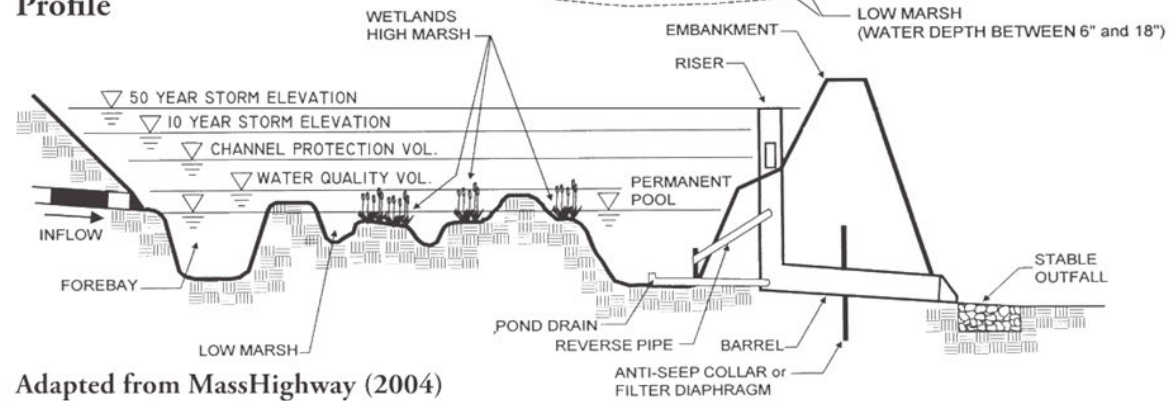
Whiskey Creek Storm Water
Treatment Facility

EXAMPLE DESIGN

Plan View



Profile

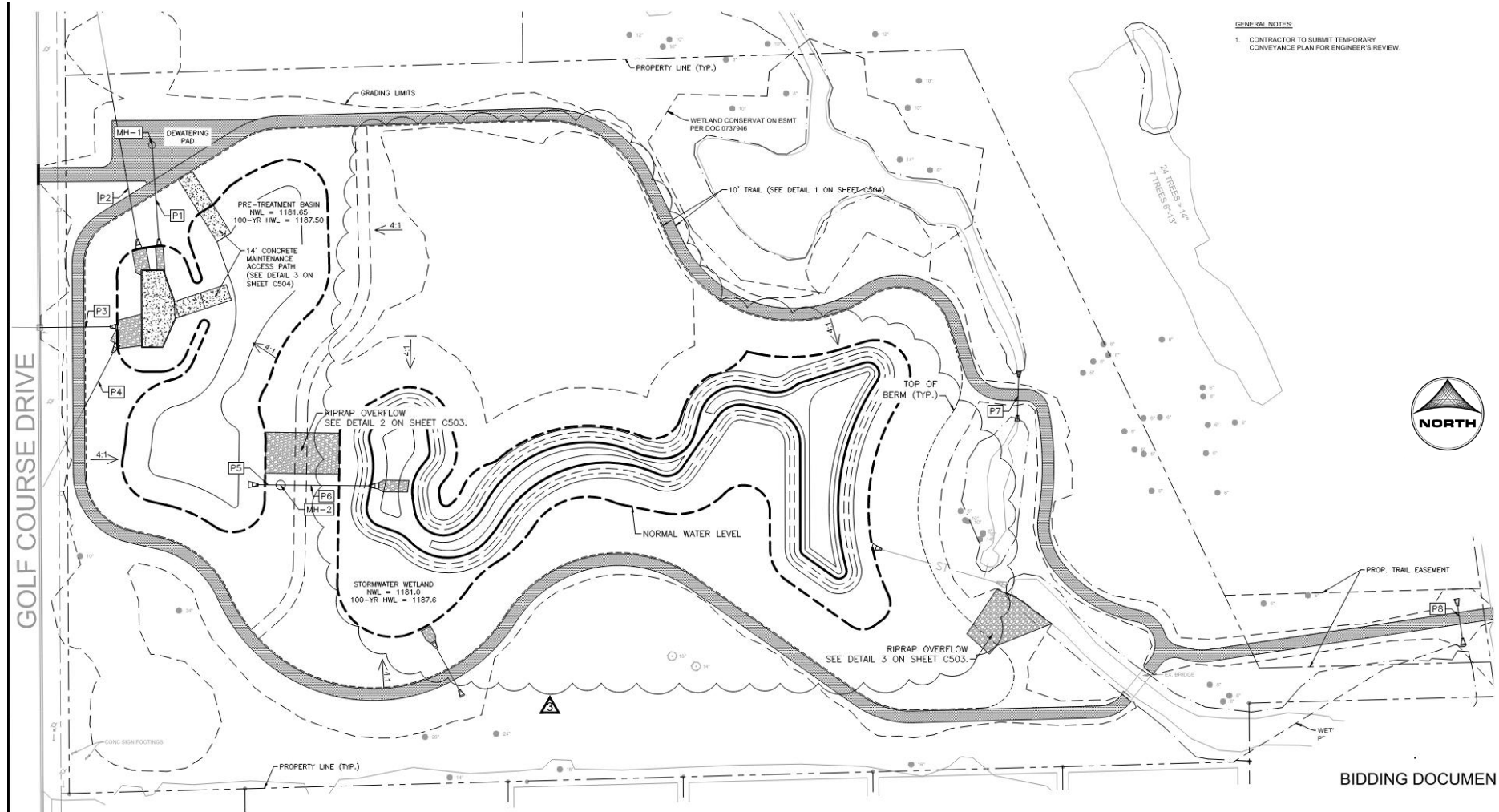


Adapted from MassHighway (2004)



Whiskey Creek Storm Water
Treatment Facility

TSS Removal (lbs/yr)	TP Removal (lbs/yr)
67,400 (78%)	160.6 (50%)



Schedule

- Construction Start Date: 9/11/2023
- Expected Duration of Construction: 7-8 weeks
- Typical Construction Hours: Monday-Friday 7AM-6PM
- Excavation & concrete forebay: This fall
- Asphalt will be placed in late fall depending on weather conditions
- Vegetation to be planted in the spring



Whiskey Creek Storm Water
Treatment Facility

Total Project Costs



Whiskey Creek Storm Water
Treatment Facility

Uses	
Pre-work	\$ 29,973.75
Acquisition	\$ 643,451.54
Remediation	\$ 491,922.38
Construction	\$ 1,493,799.36
TOTAL	\$ 2,659,147.03

Sources	
City of Baxter	\$ 727,424.65
ENRTF	\$ 500,000.00
BWSR	\$ 890,000.00
Enbridge	\$ 150,000.00
SWCD	\$ 50,000.00
Good Samaritan	\$ 294,070.68
HR Green	\$ 47,651.70
TOTAL	\$ 2,659,147.03

*Evangelical Lutheran
Good Samaritan Society*

Crow Wing SWCD 2023 Community Conservationist





