



Title: Multi-Year Capital Implementation Plan

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Purpose:

The February 24, 2022 Policy and Planning Committee (PPC) Meeting will cover the ongoing development of a multi-year capital implementation plan, with a focus on the upcoming priorities in the Six Mile Creek-Halsted Bay Subwatershed. This is the first of two memos and provides background information on the multi-year CIP, an overview of its development, and an outline of the February 24, 2022 PPC meeting.

Summary:

At the December 16, 2021 PPC Meeting, staff initiated a discussion of the organization's emerging capital project priorities. MCWD has progressively improved its approach to capital project planning through cycles of planning, implementation, and deliberate reflection, thus increasing the sophistication and efficacy of its capital project implementation model. With project work in our two focal geographies – Minnehaha Creek and Six Mile Creek-Halsted Bay – approaching critical milestones, MCWD is positioned to again identify process refinements in our project program model to deliver high impact capital projects.

As staff and the Board begin planning for the next round of significant capital investment, staff have identified two short-term needs to enhance organizational focus and move towards a more systematized approach of setting capital project priorities:

- Develop a multi-year capital improvement plan (CIP) framework to support Board decision making, that more effectively predicts project benefits, costs, constraints, risks, phases of work, and timelines
- Make near term decisions regarding the strategic priorities for the next phase of project implementation in MCWD's two focal geographies

The [December 16th PPC memo](#) summarizes the background and purpose of the multi-year CIP and frames the principal questions the organization faces as it approaches the next five-year project implementation phase.

December 16 PPC Takeaways

At the December 16, 2021 PPC meeting, staff and the Board engaged in a two-part discussion of the organization's current capital project priorities. First, staff introduced the multi-year CIP framework and sought preliminary feedback on threshold requirements of an improved CIP process to better support high quality decision making at a strategic, system scale. Next, staff provided a high-level overview of near-term decisions necessary to continue setting direction in the two focal geographies of SMCHB and Minnehaha Creek.

The Board's discussion resulted in the identification of several planning principles that underlie MCWD's planning approach and philosophy:

- Fundamental to MCWD's focal geography approach is the idea that in these select areas, MCWD will serve as the catalyst to drive visionary, integrated projects forward
- Risk is intrinsic to this role, and perseverance through obstacles – political, technical, financial, or other – has led to MCWD's most exemplary work

- Investing in the early planning phase of an emerging project opportunity is essential to manage that risk more effectively and minimize the net impact to project scope, schedule, and budget
- A core purpose of the multiyear CIP is to systematize our approach to the planning phase to more effectively manage the risk inherent in the balanced urban ecology philosophy

It was evident from the discussion that there is a spectrum of viewpoints on the Board when it comes to these principles. Notable areas with differing perspectives include project scale, risk, and MCWD's role as project catalyst will continue to be elements of the discussion through the CIP development process.

In addition to these planning principles, the Board discussed two additional needs that would facilitate their decision making around capital project priorities:

- Define the rhythm of work in focal geographies – Why do we start? When are we done? How do we define what's next?
- Develop an analytical framework to systematically evaluate opportunities and subsequent prioritization to compare costs and benefits across projects and across subwatersheds

These grounding concepts and topic areas will be interwoven in the upcoming series of meetings that will lead to the development of the multiyear CIP.

Multi-year CIP Development Framework

The December 16, 2021 meeting was the first in a series of meetings in which staff and the Board will work collaboratively to develop the content, process, and format of the multi-year CIP. Doing the work to align priorities and expectations during the first and second quarter of 2022 will ensure timely delivery of the reformatted and focused CIP through the annual budget development timeline. Staff are proposing the following process:

- December 16, 2021: Introduction to the multiyear CIP framework (Complete)
- January 27, 2022 (PPC): Six Mile Creek-Halsted Bay project review
- February 24, 2022 (PPC): Minnehaha Creek Greenway project review
- March 24, 2022 (PPC): Minneapolis Parkway project review
- May 26, 2022 (PPC): Draft assembled multiyear CIP and workplans, aligning with the budget presentation
- June 9, 2022 (Board): Authorization to release the multiyear CIP for comment
- August 26, 2022 (Board): Adoption of the 2023 CIP

February 24 Policy and Planning Committee

The February 24, 2022 PPC meeting will be the second in the series of focal geography specific project discussions. The purpose of these meetings is threefold:

- Continue to build a shared understanding between the Board and staff on the organizational philosophy and approach to project planning
- Facilitate a more in-depth discussion of the project opportunities in each focal area
- Refine the format, content, and delivery of CIP information over the course of these meetings to lead to the development of the 2023 multiyear CIP

In advance of each meeting, the Board will be provided with the following information:

- A subwatershed overview memo that summarizes background, strategy, and status of project planning in the subject subwatershed
- A one-page project summary sheet for each project, which includes the scope, schedule, and budget, and will, in its final format, serve as the public facing project information sheet
- A risk register, which outlines the project's risk profile

The project summary and risk register documents are draft only, and the format of content will continue to be refined in advance of the CIP adoption. In addition to these two project information sheets, staff are working to develop a project plan template to summarize the projects' critical path from initiation through construction. Project plans will be delivered with the assembled draft CIP at the May 26, 2022 PPC meeting and preliminarily discussed at each PPC meeting.



Title: Subwatershed Project Review: Minnehaha Creek Subwatershed – Minnehaha Greenway

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Purpose

The February 24, 2022 Policy and Planning Committee (PPC) Meeting will cover the ongoing development of a multi-year capital implementation plan (CIP) with a focus on the upcoming priorities in the Minnehaha Creek Greenway (MC Greenway). This is the second of two memos for the PPC meeting and outlines essential grounding information about the Minnehaha Creek Greenway, including the strategy, status of current initiatives, and anticipated capital project priorities.

Background

The February 24, 2022 PPC Meeting will focus on the organization's priorities in the Minnehaha Creek Greenway.

The work in the greenway started with a routine permit and has led not only to visionary, high impact projects but also an innovative organizational strategy and philosophy. In 2008 Methodist Hospital approached MCWD for a permit to expand its heart and vascular center, resulting in wetland impacts that would require mitigation. MCWD worked collaboratively with the applicant to meet regulatory requirements through the restoration of 1,400 feet of Minnehaha Creek and provided access to 10 acres of restored greenspace through a pedestrian boardwalk. The successful collaboration with Park Nicolette to achieve more than we would through regulation, and doing so while enhancing quality of life and supporting the hospital's mission, set off a chain of Board discussions that repositioned the organization to prioritize work through partnership, focus, and flexibility.

In 2012, the MCWD Board of Managers suspended the CIP to focus on capital project development in what is now the Minnehaha Creek Greenway. Through the 2013 Lake Hiawatha TMDL report, the stretch of creek between West 34th Street and Excelsior Boulevard was identified as delivering the highest pollutant load per unit area to Minnehaha Creek and downstream Lake Hiawatha, the latter of which is impaired for nutrients. In addition to Lake Hiawatha's nutrient impairment, Minnehaha Creek is listed as an impaired water for multiple parameters, including fecal coliform bacteria, chloride, low dissolved oxygen, and fish and macroinvertebrate communities. MCWD sought to focus project implementation within the greenway corridor, prioritizing:

- stormwater management to reduce volume and pollutant loading,
- stream restoration to stabilize streambanks and improve riparian buffers and habitat,
- restoration of wetlands and ecological corridors in ways that reduce nutrient loading downstream while improving ecological integrity and corridor connectivity.

From 2012 through today, MCWD has successfully partnered with public and private entities throughout the corridor to implement high impact capital projects while facilitating local goals around parks and recreation, land use, and economic development.

The construction of the Minnehaha Creek Preserve in 2014 in partnership with St. Louis Park restored 30 acres of industrialized creek corridor into habitat and parkland, provided stormwater treatment for 80 acres of urban hard surface and connected the residents of 600 housing units to transit and local businesses. Soon after, in 2015, the Cottageville Park project transformed a neglected park into a community asset: expanding the playground and community space; providing regional stormwater treatment through an underground system; and facilitating the development of new low-income housing. The 2017 Japs-Olson project allowed a significant regional employer to expand its business operations by facilitating expanded stormwater treatment, positioning the company to exceed regulatory standards, and facilitating clean-up of a contaminated site and expansion of greenspace within the Minnehaha Creek Preserve.

The [2017 Watershed Management Plan \(WMP\)](#) memorialized the District's commitment to implementing capital projects through this focal geography approach, in which the organization sustains focus on select high priority subwatersheds to create meaningful progress towards water and non-water goals. The WMP affirmed the Minnehaha Creek Subwatershed as an ongoing organizational priority. The cumulative impact of this focused approach is yielding benefits both in-channel and downstream, with Lake Hiawatha meeting state water quality standards four out of the last five years. The Minnehaha Creek Implementation Plan is found on pages 452-489 in the WMP.

MCWD is at a critical junction point in assessing its ongoing role in catalyzing projects in this priority area. As the 325 Blake Road Restoration and Redevelopment project advances towards final design and construction, MCWD is positioned to realize its vision of a cohesive greenway corridor that has enhanced both the built and natural environment.

The remainder of this memo provides a high-level update on the status of initiatives within the Minnehaha Creek Greenway priority area, organized by three discrete project areas. Within each project area, the memo describes both MCWD's background advancing work in the project area and the status of project opportunities. Corresponding project pages are provided as attachments.

Minnehaha Creek Greenway – Cottageville through Methodist

Over the last 14 years, as outlined above, a majority of MCWD's project development work has focused in this core area of the creek channel. As the current slate of project work in this corridor moves towards completion, MCWD will have created a contiguous corridor from Methodist Hospital Boardwalk through Cottageville Park.

MCWD is currently working through design on the 325 Blake Road Restoration and Development Project. This 17-acre site was purchased in 2011 when it was still an operational cold storage facility. In the decade of MCWD ownership, MCWD has overseen facility leasing, demolition, environmental remediation, the construction of two storm sewer systems to deliver regional runoff to the site, and feasibility and preliminary design development studies. Today, MCWD is working under a contract with HDR to design and engineer the stormwater and greenway project, and has selected a master developer to construct a transit-oriented development on the remainder of the site. MCWD is moving towards a purchase agreement with developer in the first quarter of 2022 and expects to commence construction of the regional stormwater facility in 2022. When complete, this project will provide over 270 acres of regional stormwater treatment, reducing phosphorus by approximately 181 lbs/yr and achieving a volume reduction of 11.83 acre-feet/year¹.

Aside from 325 Blake Road, one final opportunity remains in the core greenway to achieve a contiguous corridor from Methodist through Cottageville. The Greenway to Cedar Trail Connection and Streambank Restoration will connect the western end of the Minnehaha Creek Greenway to the 325 Blake Road site via the Cedar Regional Trail. The project will include stream stabilization and vegetation enhancement, further enhancing the ecological integrity of Minnehaha Creek through this corridor.

¹ These reduction estimates are based on feasibility. Stormwater facility design is forthcoming and will include updated project benefit estimates.

This project has undergone feasibility which included the development of a preliminary trail configuration. The proposed trail will pass under the railroad bridge reconstructed in 2021 as part of the Southwest LRT Green Line extension, which intentionally left space to allow the trail to pass through adjacent to the creek channel. Project partners include the City of St. Louis Park and Metropolitan Council. Project development work is not dependent on external factors and could begin in 2022.

West Blake-Boone Aquila

Through its coordinated planning in the Greenway, MCWD has identified several project opportunities along the creek as it flows southeast from West 36th St through Cottageville Park. This corridor is highly commercial, and properties bordering the creek include Knollwood Mall, Target, and several standalone commercial buildings. Over the years, staff have engaged with business and property owners to evaluate opportunities to expand the greenway corridor. Projects proposed have included floodplain restoration, regional stormwater treatment, and creek channel restoration. MCWD had envisioned this segment could be connected to the established greenway core through a new trail connection that would pass adjacent to a wetland section of the creek between Blake Road and Highway 7, requiring a new crossing of Highway 7 via an underpass or overpass.

MCWD has coordinated extensively with partners in this segment of the creek, and several of the properties have made improvements while incorporating minor project elements proposed by MCWD. Moving forward, while discrete projects remain and new project opportunities may emerge in this segment, it is unlikely that the full extended greenway vision could be achieved within the current plan cycle. Given that, MCWD may consider repositioning ourselves from actively working to catalyze these opportunities to a more responsive posture. This would allow the District to maintain partnerships and keep a pulse on any pending land use or ownership changes that may unlock a dormant project opportunity, while also positioning staff to pursue projects in other priority areas.

The CIP has identified two projects in this area, one of which, the Boone-Aquila Floodplain Restoration, is viable for consideration. This project encompasses segments of the creek between Boone Avenue and Aquila Avenue, a highly developed segment of the corridor. The area has lost portions of the historic floodplain to parking and commercial development. Flooding occurred frequently, at times cutting off or limiting access to businesses in the area. While acute flood issues have been corrected, the area remains vulnerable to high water impacts. A project in this area may incorporate floodplain restoration, stormwater management, and enhanced recreational access.

The ability to design and execute a project is dependent on landowner interest in either integrating a project on their property through redevelopment or conveying property to MCWD. At the February 24 meeting, staff will provide more information regarding the specific landowner dynamics to inform MCWD's role in advancing a project in this identified area.

Meadowbrook Golf Course

The Meadowbrook Golf Course is located immediately downstream of the Methodist Hospital restoration. It encompasses approximately 210 acres, including a segment of Minnehaha Creek that discharges into Meadowbrook Lake, a flowage lake on Minnehaha Creek. The golf course is owned and operated by Minneapolis Park and Recreation Board (MPRB).

The golf course sustained substantial damage during the historic floods of 2014 and received two million dollars in FEMA funding for repairs. In evaluating repairs, MPRB sought to evaluate options to improve both course operations and flood resilience. MCWD and MPRB partnered to redesign the course to restore the floodplain, remainder the creek, and create a trail connection from the Methodist Hospital site to the Edina park system. The redesign would also integrate creek flooding into the site, so that a minimum of nine holes of golf would remain playable in flood conditions. MPRB bid the golf course redesign in 2016 but did not award the contract.

In 2018, MCWD sought to advance a more limited project on the Meadowbrook site. This project was not a wholesale course redesign, but rather focused improvements in the area immediately surrounding the creek, redesigning three

holes in order to integrate limited wetland and floodplain restoration and the trail and creek remainder components of the initial design. At initiation, MPRB was supportive of the project and expressed some interest in limited financial participation. Staff worked with the District engineer to develop preliminary design and cost estimates, however, MCWD was unable to advance a cooperative agreement through MPRB.

Since 2018, MCWD has maintained a capital project account for the Meadowbrook project. However, beyond continued partnership conversations with MPRB, no significant steps have been taken towards advancing the project further. Advancing either project would be largely contingent on MPRB's support and prioritization of this initiative, which will be discussed at the February 24, 2022 PPC.

Attachments

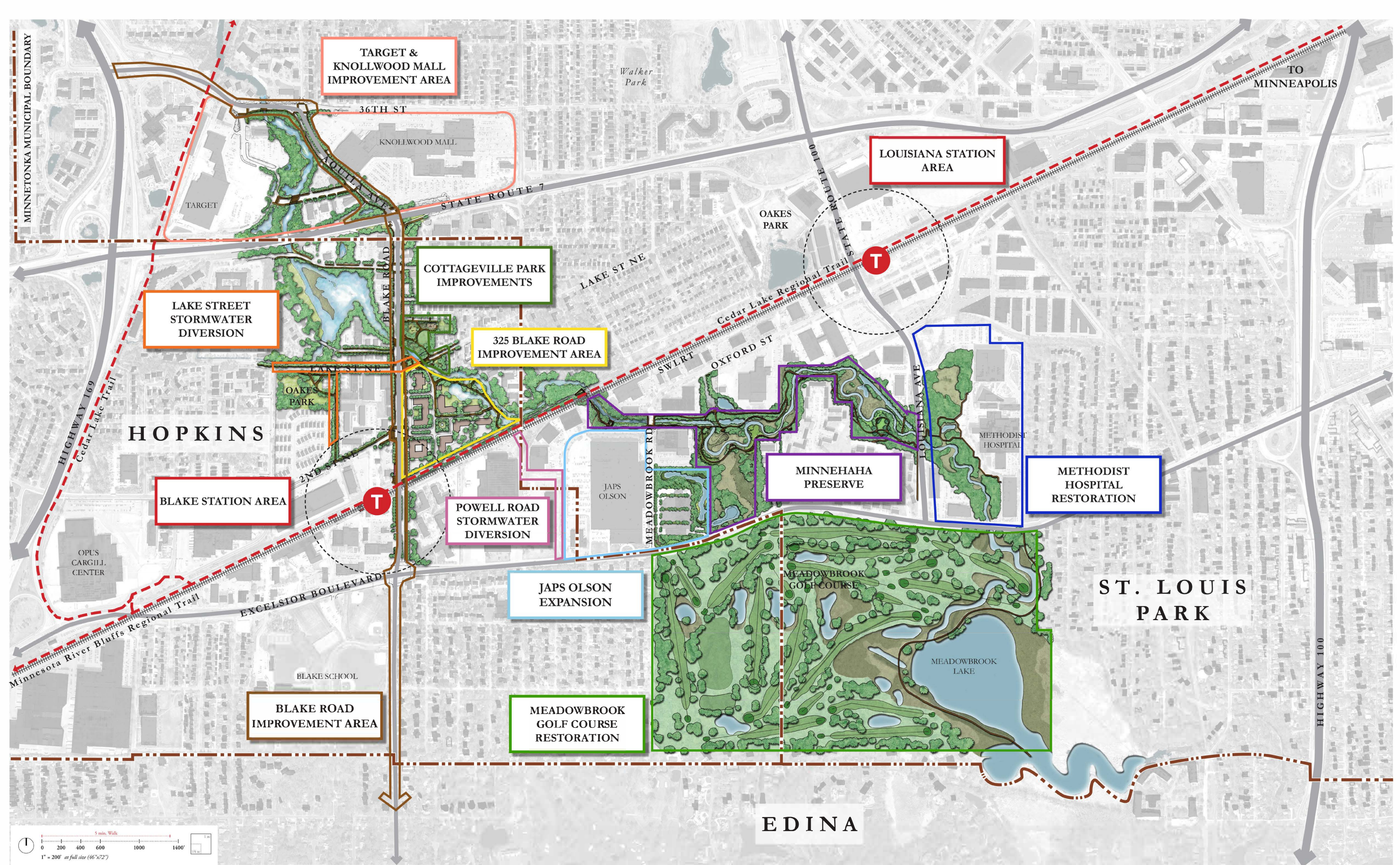
Staff have developed project pages for three projects within the Minnehaha Creek Greenway:

- Minnehaha Preserve to Cedar Trail Streambank Restoration
- Boone Aquila Floodplain Restoration
- Meadowbrook Golf Course Ecological Restoration and Greenway Expansion

For each project, the following materials are provided:

- A one-page project summary sheet, which includes the scope, schedule, and budget, and will, in its final format, serve as the public facing project information sheet
- A project map
- A risk register, which outlines the project's risk profile

These documents are draft only, and the content and format will continue to be refined in advance of the CIP adoption. In addition to these two project information sheets, staff are working to develop a project plan template to summarize the projects' critical path from initiation through construction. Project plans will be delivered with the assembled draft CIP at the May 26, 2022 PPC meeting, and preliminarily discussed at each subwatershed meeting.



TARGET & KNOLLWOOD MALL IMPROVEMENT AREA

LOUISIANA STATION AREA

COTTAGEVILLE PARK IMPROVEMENTS

LAKE STREET STORMWATER DIVERSION

325 BLAKE ROAD IMPROVEMENT AREA

BLAKE STATION AREA

POWELL ROAD STORMWATER DIVERSION

MINNEHAHA PRESERVE

METHODIST HOSPITAL RESTORATION

JAPS OLSON EXPANSION

BLAKE ROAD IMPROVEMENT AREA

MEADOWBROOK GOLF COURSE RESTORATION

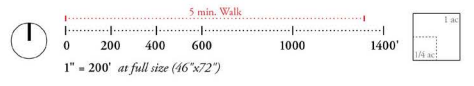
EDINA

MINNETONKA MUNICIPAL BOUNDARY

TO MINNEAPOLIS

HOPKINS

ST. LOUIS PARK



MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN

2023-2027

OVERVIEW

PROJECT NAME

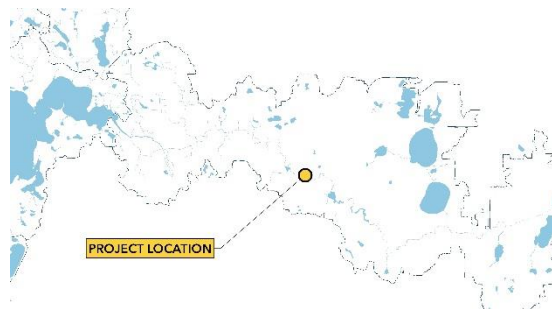
Greenway to Cedar Trail Connection and Streambank Restoration

LOCATION

St. Louis Park (Minnehaha Creek)

TARGET WATERBODY

Minnehaha Creek



DESCRIPTION

SCOPE

Streambank stabilization, riparian restoration, and construction of a trail connection along Minnehaha Creek from the Minnehaha Creek Preserve to the Cedar Lake LRT Regional Trail. This link in the Minnehaha Creek Greenway will be planned in partnership with the City of St. Louis Park and timed to coincide with Southwest LRT construction completion.

JUSTIFICATION

Upstream and downstream Minnehaha Creek Greenway projects are currently separated by freight rail and the future Southwest LRT line, and there is no direct pedestrian or bicycle connection between these investments or the Cedar Lake LRT Regional Trail. The bridge crossing at Minnehaha Creek is the site of past creek manipulation, and Minnehaha Creek is currently impaired for fecal coliform bacteria, chloride, low dissolved oxygen, and fish and macroinvertebrate communities. Lake Hiawatha, Minnehaha Creek's receiving waterbody, is impaired for nutrients due to sediment and nutrient loads transported by Minnehaha Creek and both waterbodies have TMDLs.

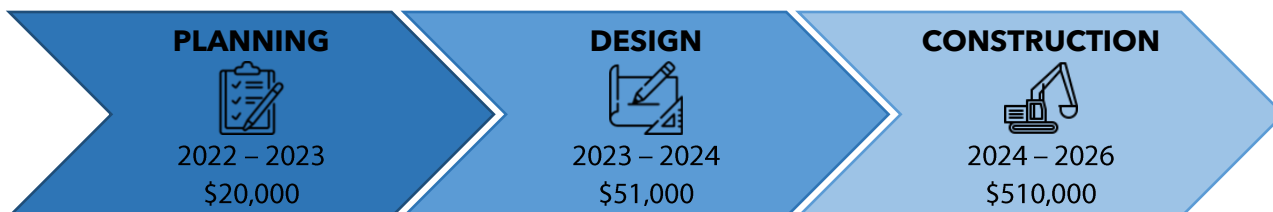
PROJECT BENEFITS

This project will provide a key connection between existing and future MCWD projects upstream and downstream of the rail corridor, increasing pedestrian and bicyclist safety and improving recreation and transportation access to the Cedar Lake LRT Regional Trail and future SWLRT stations at Blake Road and Louisiana Avenue. The overall ecological integrity of the stream corridor will be improved through streambank stabilization and riparian restoration.

RELATED PROJECTS

Methodist Hospital (2009); Minnehaha Creek Preserve (2015); Cottageville Park (2015); Arden Park (2022); 325 Blake Road Restoration/Cottageville Park Phase II (design); Meadowbrook Golf Course Restoration; Boone-Aquila Floodplain; West Blake Greenway Enhancement.



SCHEDULE + BUDGET

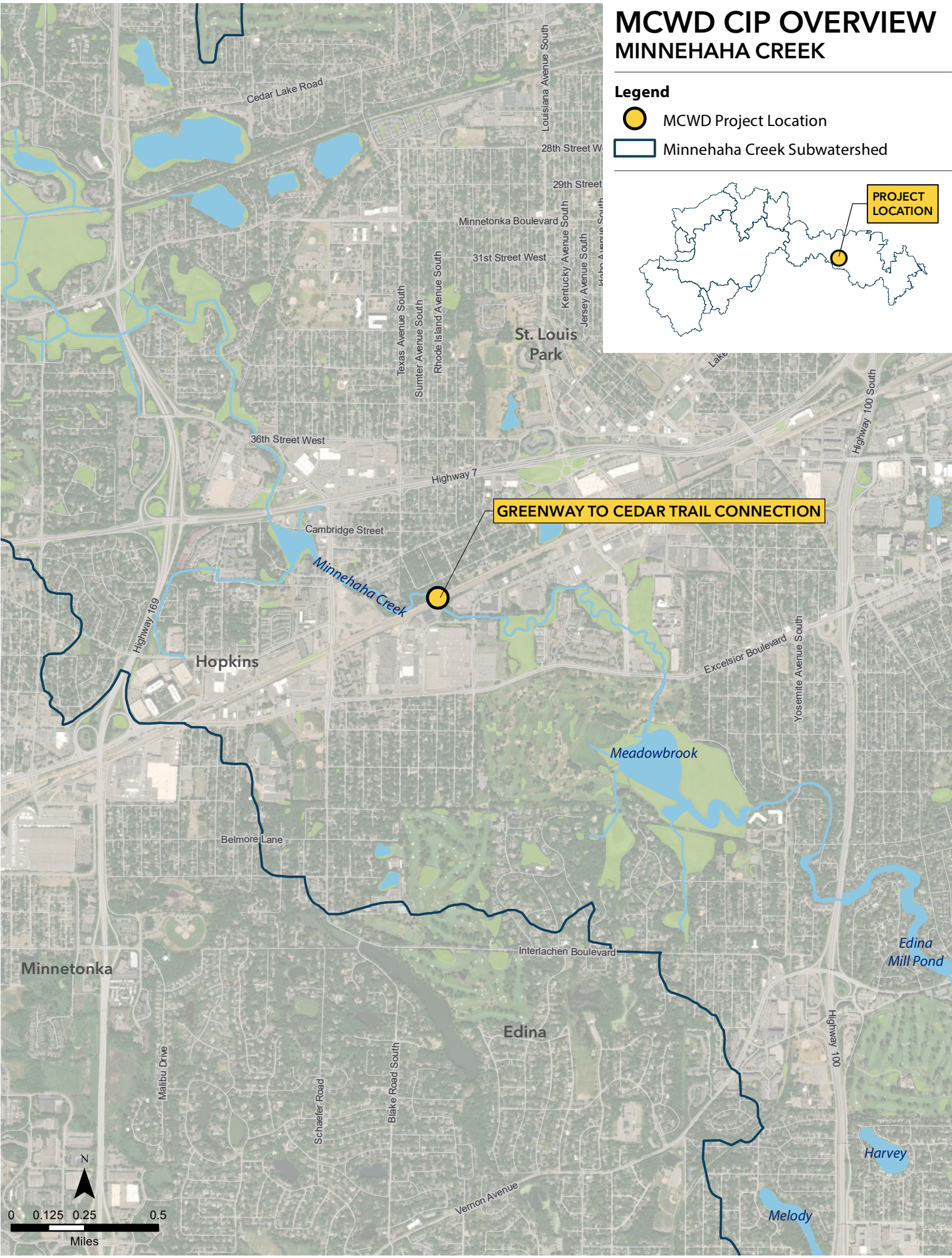
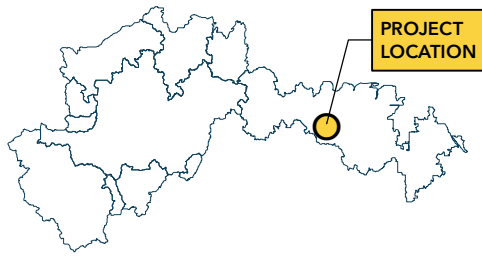


MCWD CIP OVERVIEW

MINNEHAHA CREEK

Legend

-  MCWD Project Location
-  Minnehaha Creek Subwatershed



MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN Greenway to Cedar Trail Connection and Streambank Restoration

**2023-2027
RISK REGISTER**

The purpose of the risk register is to summarize the project’s risk profile. The risk register is a dashboard created to assess the probability of risk (high, medium, low) across five key project categories – technical, regulatory, financial, partnership, and engagement –to inform the project planning process. Primary risks are identified at the project manager’s discretion based on their project understanding and are not comprehensive of all points of risk, rather, they are the risks most likely to shape the project planning process.

RISK ASSESSMENT



	PRIMARY RISK	IMPACT	MITIGATION
FINANCIAL	Budget estimates outdated and developed prior to construction of SWLRT	Project costs may exceed current budget and not account for integrating with SWLRT as constructed	Refresh feasibility work prior to design initiation to update likely project costs
PARTNERSHIP	Relationships with project partners are well-established, but have not been formalized	Risk in progressing project design prior to updating partnership agreements	Formalize key project partnerships and establish coordination plan among all impacted parties
ENGAGEMENT	Overall strong community support, but project abuts several private residential and commercial properties	Added time and effort to coordinate directly with abutting properties	Engage early with abutting property owners and leverage excitement for Cedar Lake trail connection

MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN

2023-2027

OVERVIEW

PROJECT NAME

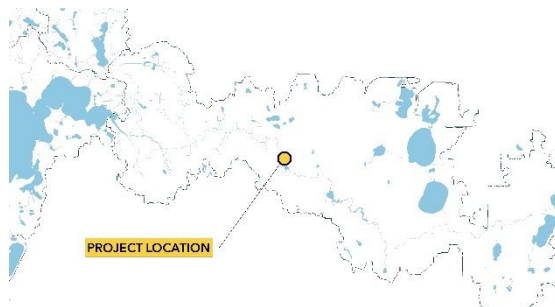
Boone-Aquila Floodplain

LOCATION

St. Louis Park (Minnehaha Creek)

TARGET WATERBODY

Minnehaha Creek



DESCRIPTION

SCOPE

Floodplain restoration, stormwater management, and enhanced recreational access along Minnehaha Creek in the Aquila neighborhood of St. Louis Park near Target-Knollwood.

JUSTIFICATION

Historic development of this urban stretch of Minnehaha Creek resulted in filling large areas of floodplain, localized flooding, and impervious surfaces within the floodplain. Minnehaha Creek is currently impaired for fecal coliform bacteria, chloride, low dissolved oxygen, and fish and macroinvertebrate communities. Lake Hiawatha, Minnehaha Creek's receiving waterbody, is impaired for nutrients due to sediment and nutrient loads transported by Minnehaha Creek and both waterbodies have TMDLs.

PROJECT BENEFITS

This project will improve the ecological integrity of an urbanized stretch of Minnehaha Creek, expand floodplain storage, enhance riparian habitats, and provide safe recreational access to Minnehaha Creek and connections to the Minnehaha Creek Greenway.

RELATED PROJECTS

Methodist Hospital (2009); Minnehaha Creek Preserve (2015); Cottageville Park (2015); Arden Park (2022); 325 Blake Road Restoration/Cottageville Park Phase II (design); Meadowbrook Golf Course Restoration; West Blake Greenway Enhancement; Greenway to Cedar Trail Connection and Streambank Restoration.

SCHEDULE + BUDGET





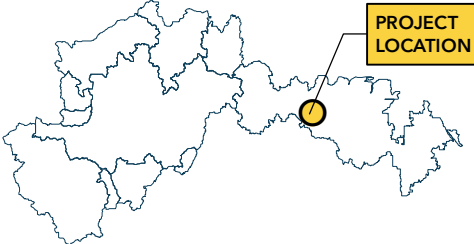
*schedule range is based on a typical project timeline and not specific to this opportunity

MCWD CIP OVERVIEW

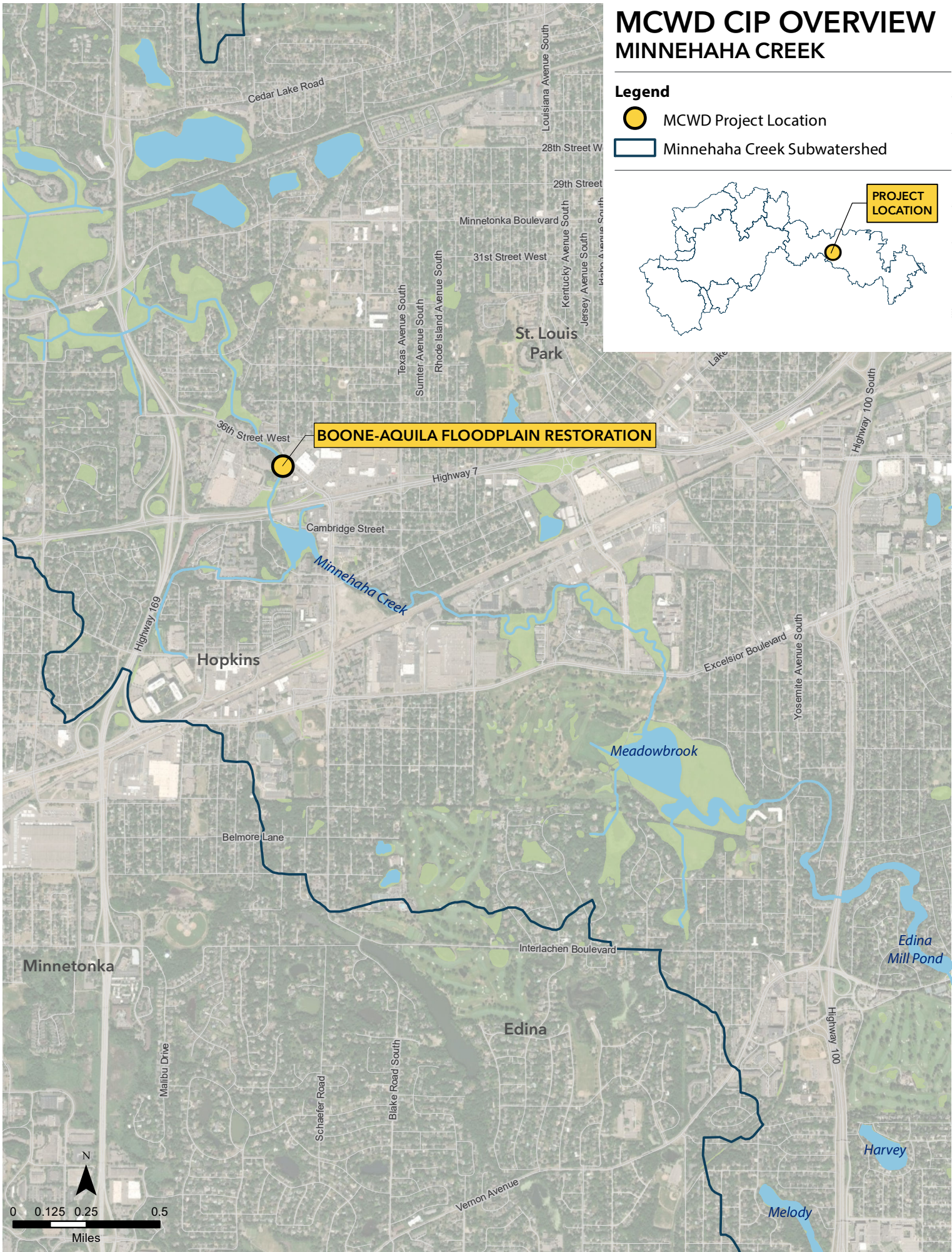
MINNEHAHA CREEK

Legend

-  MCWD Project Location
-  Minnehaha Creek Subwatershed



BOONE-AQUILA FLOODPLAIN RESTORATION



MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN Boone-Aquila Floodplain

**2023-2027
RISK REGISTER**

The purpose of the risk register is to summarize the project’s risk profile. The risk register is a dashboard created to assess the probability of risk (high, medium, low) across five key project categories – technical, regulatory, financial, partnership, and engagement –to inform the project planning process. Primary risks are identified at the project manager’s discretion based on their project understanding and are not comprehensive of all points of risk, rather, they are the risks most likely to shape the project planning process.

RISK ASSESSMENT



	PRIMARY RISK	IMPACT	MITIGATION
PARTNERSHIP	MCWD lacks ownership of impacted property(ies) and potential partners are not actively interested in project	Timeline and feasibility of advancing project is uncertain	Continue periodic coordination with potential partners or consider property acquisition
FINANCIAL	Project budget does not include property acquisition (easement, fee, other)	If property acquisition is necessary, that cost is unknown and not currently budgeted	Research comparable sites for likely acquisition cost and include in future land conservation budgets
ENGAGEMENT	Historic unwillingness of some neighboring properties to cooperate on project opportunities	Opposition to project could take extra staff time and incur extra legal costs	Build a coalition of support; consider property acquisition to minimize need for coordination

MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN

2023-2027

OVERVIEW

PROJECT NAME

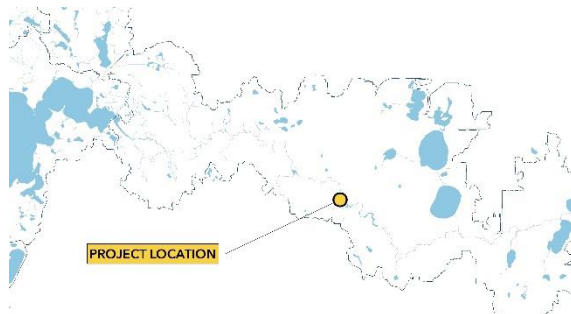
Meadowbrook Golf Course Ecological Restoration and Greenway Expansion

LOCATION

St. Louis Park, Hopkins, and Edina (Minnehaha Creek)

TARGET WATERBODY

Minnehaha Creek



DESCRIPTION

SCOPE

Reconfigure and enhance Meadowbrook Golf Course to restore and improve the ecological integrity of the Minnehaha Creek stream corridor, and connect the Minnehaha Creek Greenway through Minneapolis Parks and Recreation Board land to the City of Edina parks and trails system.

JUSTIFICATION

The project is within the most degraded section of the Minnehaha Creek corridor, which historically experienced ditching, wetland loss, and habitat fragmentation. Minnehaha Creek is currently impaired for fecal coliform bacteria, chloride, low dissolved oxygen, and fish and macroinvertebrate communities. Lake Hiawatha, Minnehaha Creek's receiving waterbody, is impaired for nutrients due to sediment and nutrient loads transported by Minnehaha Creek and both waterbodies have TMDLs.

PROJECT BENEFITS

The project will improve the ecological integrity of the Minnehaha Creek corridor and upland areas of the golf course, improve water quality in Minnehaha Creek and Lake Hiawatha, and restore wetland function. The project has the potential to reduce flooding impacts to Meadowbrook Golf Course and surrounding neighborhoods, and connect the Minnehaha Creek Greenway to the City of Edina parks and trails system.

RELATED PROJECTS

Methodist Hospital (2009); Minnehaha Creek Preserve (2015); Cottageville Park (2015); Arden Park (2022); 325 Blake Road Restoration/Cottageville Park Phase II (design); Boone-Aquila Floodplain; West Blake Greenway Enhancement; Greenway to Cedar Trail Connection and Streambank Restoration.

SCHEDULE + BUDGET





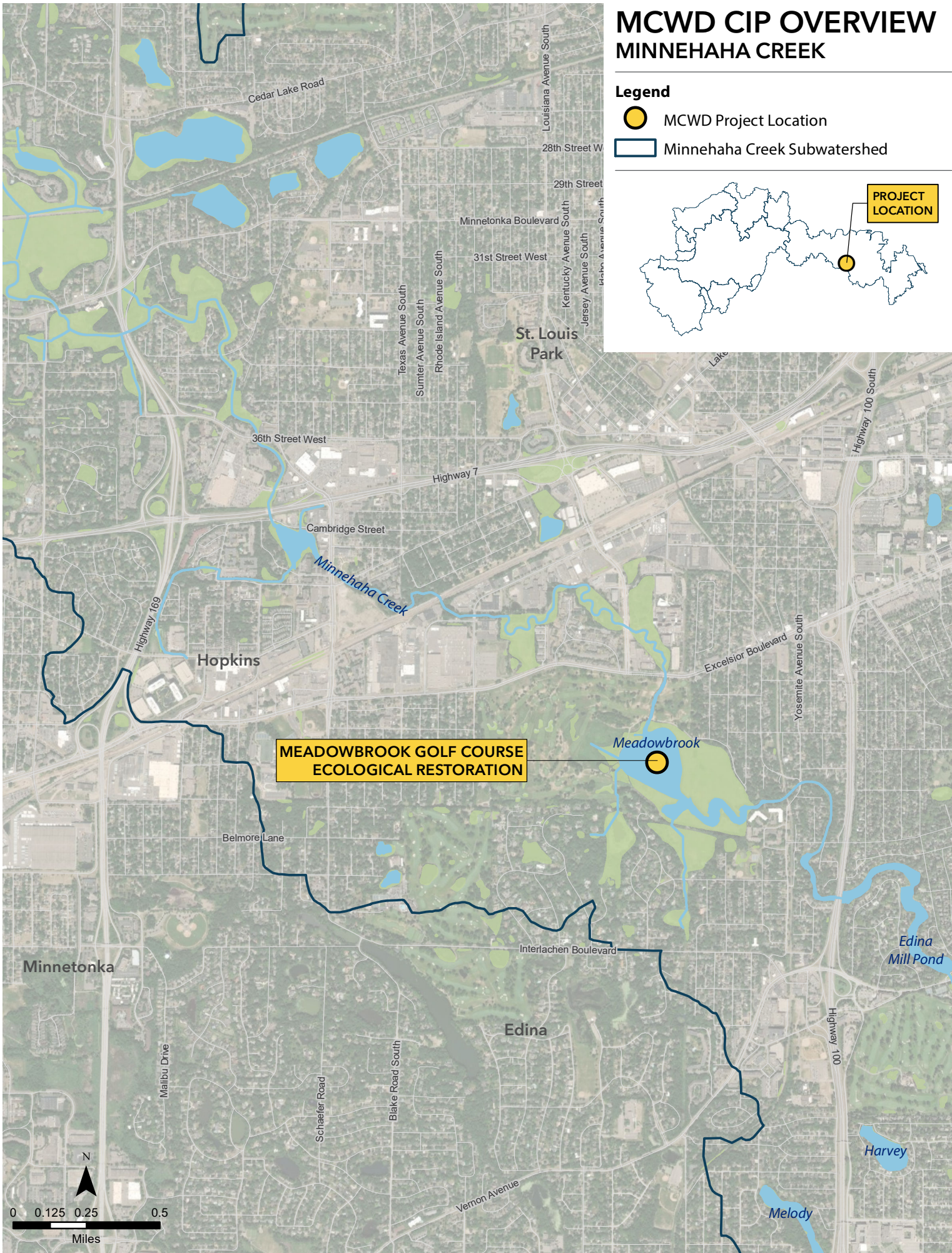
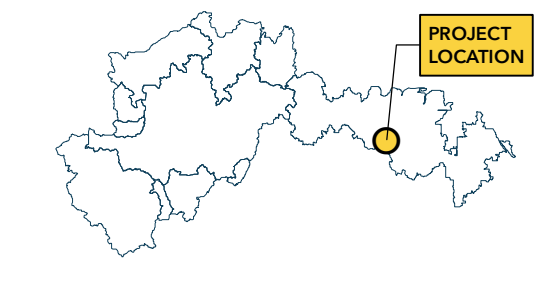
*schedule range is based on a typical project timeline and not specific to this opportunity

MCWD CIP OVERVIEW

MINNEHAHA CREEK

Legend

-  MCWD Project Location
-  Minnehaha Creek Subwatershed



MINNEHAHA CREEK WATERSHED DISTRICT

MULTI-YEAR CAPITAL IMPROVEMENT PLAN Meadowbrook Golf Course Ecological Restoration and Meadowbrook Greenway Expansion

**2023-2027
RISK REGISTER**

The purpose of the risk register is to summarize the project’s risk profile. The risk register is a dashboard created to assess the probability of risk (high, medium, low) across five key project categories – technical, regulatory, financial, partnership, and engagement –to inform the project planning process. Primary risks are identified at the project manager’s discretion based on their project understanding and are not comprehensive of all points of risk, rather, they are the risks most likely to shape the project planning process.

RISK ASSESSMENT



PRIMARY RISK

IMPACT

MITIGATION

	PRIMARY RISK	IMPACT	MITIGATION
PARTNERSHIP	Partners are not aligned on scope of project or priority relative to partners’ other projects	Risk in MCWD pushing a project on partners’ land without full partner buy-in and support	Regular coordination with partners to determine if project priority has shifted
FINANCIAL	Level of partnership funding unclear	Risk in advancing a large-scale restoration without full funding picture for non-MCWD expenses	Maintain MCWD project funding to leverage partnership and grant funding
ENGAGEMENT	Perceived negative impacts to golf course and/or flood mitigation in residential areas	Changes to golf play or use of course for flood mitigation could be viewed negatively by some stakeholders	Timely and thorough communication about project goals and impacts
TECHNICAL	Open question about level of floodplain mitigation necessary for MCWD project participation	Impacts scope and scale of project being pursued through partnership	Evaluate appetite for project prioritizing creek restoration and greenway connection