

Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Stephanie Johnson, PE; Gabby Campagnola)
Subject: Item 4F: Plymouth Creek Trail – Plymouth, MN
BCWMC March 19, 2026 Meeting Agenda
Date: March 6, 2026
Project: 23270051.72 1020 2604

4F Plymouth Creek Trail – Plymouth, MN BCWMC 2026-04

Summary:

Proposed Work: Construction of trail and boardwalk

Project Proposer: City of Plymouth

Project Schedule: Construction to begin April 2026

Basis for Review at Commission Meeting: Work in the floodplain

Impervious Surface Area: Increase 0.2 acres

Recommendations for Commission Action: Approval

General Project Information

The proposed linear project is located between the Hilde Performance Center and community center in the Plymouth Creek subwatershed in Plymouth (see attached map for location). The proposed work includes removal of an existing wood-chip foot path and construction of a new multi-use trail and boardwalk, resulting in 1.32 acres of proposed site disturbance. The proposed project creates 0.2 acres of new and fully reconstructed impervious surfaces and an increase of 0.2 acres of impervious surfaces, from 0.05 acres (existing) to 0.25 acres (proposed).

Floodplain

The proposed project includes work in the BCWMC (Plymouth Creek Park Pond) 100-year floodplain. The BCWMC 1% annual-chance (100-year) floodplain elevation of Plymouth Creek Park Pond is 954.80 feet NAVD88. The January 2023 BCWMC Requirements for Improvements and Development Proposals document (Requirements document) states that projects within the floodplain must meet the following criteria:

- Projects within the floodplain must maintain no net loss in floodplain storage
- The lowest member of all crossings shall be at least 1 foot above the floodplain to prevent debris accumulation unless approved by the BCWMC

Floodplain Storage

The proposed project will result in approximately 1,328 cubic yards of floodplain fill due to the installation of the trail and board walk. The proposed project will create 1,543 cubic yards of compensating storage north and northwest of the proposed boardwalk, resulting in a net gain of approximately 215 cubic yards of floodplain storage.

Lowest Crossing Member

The Requirements document states the lowest member of all crossings shall be at least 1 foot above the floodplain unless approved by the BCWMC, to minimize obstruction of flood flows. The lowest member of the proposed boardwalk is at an elevation of 956.29 feet, providing 1.49 feet of freeboard to the 100-year floodplain elevation at this location (954.80 feet).

Wetlands

The City of Plymouth is the local government unit (LGU) responsible for administering the Wetland Conservation Act in this area; therefore, BCWMC wetland review is not required.

Rate Control

The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC rate control review is not required.

Water Quality

The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC water quality review is not required.

Erosion and Sediment Control

The proposed linear project results in one or more acres of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include rock construction entrances, sediment control logs, and silt fence. Permanent erosion and sediment control features include stabilization with seed and blanket.

Recommendation for Commission Action

Approval



Project Location



Municipality



BCWMC Legal Boundary



BCWMC Hydrologic Boundary



Major Subwatershed



0 400 800
Feet



**BCWMC 2026-04
Plymouth Creek Trail
Plymouth, MN**

LOCATION MAP

