



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4H: 4710 Killarney Drive Shoreline Improvements – Golden Valley, MN
BCWMC January 21, 2021 Meeting Agenda
Date: January 12, 2021
Project: 23270051.48 2020 2238

4H 4710 Killarney Drive Shoreline Improvements – Golden Valley BCWMC 2020-32

Summary:

Proposed Work: Single-family home shoreline improvements

Basis for Review at Commission Meeting: Work in the floodplain and shoreline improvements

Impervious Surface Area: No change

Recommendation: Approval

General Project Information

The proposed project is located in the Sweeney Lake subwatershed at 4710 Killarney Drive in Golden Valley, MN. The applicant proposes to improve the Sweeney Lake shoreline along their property by placing geotextile, riprap, and native wildflowers along the shoreline. The proposed project does not result in any change of impervious surfaces.

Floodplain

The proposed project includes work in the BCWMC (Sweeney Lake) 1% annual-chance (base flood elevation, 100-year) floodplain. The October 2019 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The 1% annual-chance (base flood elevation, 100-year) floodplain elevation of Sweeney Lake is 831.9 feet NAVD88. The proposed cross section shows that the work will result in an increase of flood plain storage along the shoreline.

Lakes, Streams, and Wetlands

The proposed project includes shoreline improvements along Sweeney Lake that trigger review by the Commission. As part of the proposed project, geotextile and 6"-30" riprap (Type III or IV) will be installed along the shoreline. The riprap will be installed from approximately elevation 825.7 (approximately 1.5 feet below the normal water level) to elevation 829.2 (approximately 2 feet above the normal water level).

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

Rate Control

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

Water Quality

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

Erosion and Sediment Control

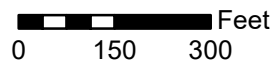
Single family homes are exempt from BCWMC erosion and sediment control requirements.

Recommendation

Approval



- Project Location
- Municipality
- BCWMC Legal Boundary
- Major Subwatershed



BCWMC #2020-32
 4710 KILLARNEY DRIVE
 SHORELINE IMPROVEMENTS
 Golden Valley, MN

LOCATION MAP