



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4F – 1820 Major Drive North Landscaping – Golden Valley, MN
BCWMC July 20, 2017 Meeting Agenda
Date: July 10, 2017
Project: 23270051 2017 2132

4F 1820 Major Drive North Landscaping – Golden Valley, MN BCWMC 2017-25

Summary:

Proposed Work: Shoreline restoration

Basis for Commission Review: Work in the floodplain

Impervious Surface Area: No change

Recommendation: Approval

General Background & Comments

The project is located on Sweeney Lake at 1820 Major Drive North in Golden Valley, MN. The proposed project includes removal of an existing timber wall, landscape rock, and plastic liner, installation of fieldstone boulders and native shoreline grass mix, and construction of a small beach. The proposed project results in 700 square feet of disturbance (grading) and does not create any new or fully reconstructed impervious surfaces.

Floodplain

The proposed project includes work in the floodplain of Sweeney Lake. The September 2015 BCWMC Requirements for Improvements and Development Proposals (Requirements) document requires that projects within the floodplain 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). At its May 18, 2017 meeting, the BCWMC approved the XP-SWMM Phase II (Atlas 14) model and adopted the revised (Atlas 14) floodplain elevations for the Bassett Creek Trunk System. Based on this approval and adoption, the floodplain elevation of Sweeney Lake at the project site is 831.9 feet NAVD88.

Based on the plans and information provided by the applicant, proposed shoreline improvements will be installed to match the existing grades for the site, therefore there will be no permanent net fill placed within the Bassett Creek floodplain. Temporary stockpiles may be placed in the floodplain during excavation.

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Wetlands

The project appears to involve work adjacent to wetlands. The City of Golden Valley is the LGU for administering the Minnesota Wetland Conservation Act of 1991.

Stormwater Management

The proposed project does not create any new or fully reconstructed impervious areas and therefore does not trigger stormwater management review. Drainage patterns under existing and proposed conditions will remain the same and the proposed project will not result in changes to land use or topography.

Water Quality Management

The proposed project does not create any new or fully reconstructed impervious areas and therefore does not trigger water quality review.

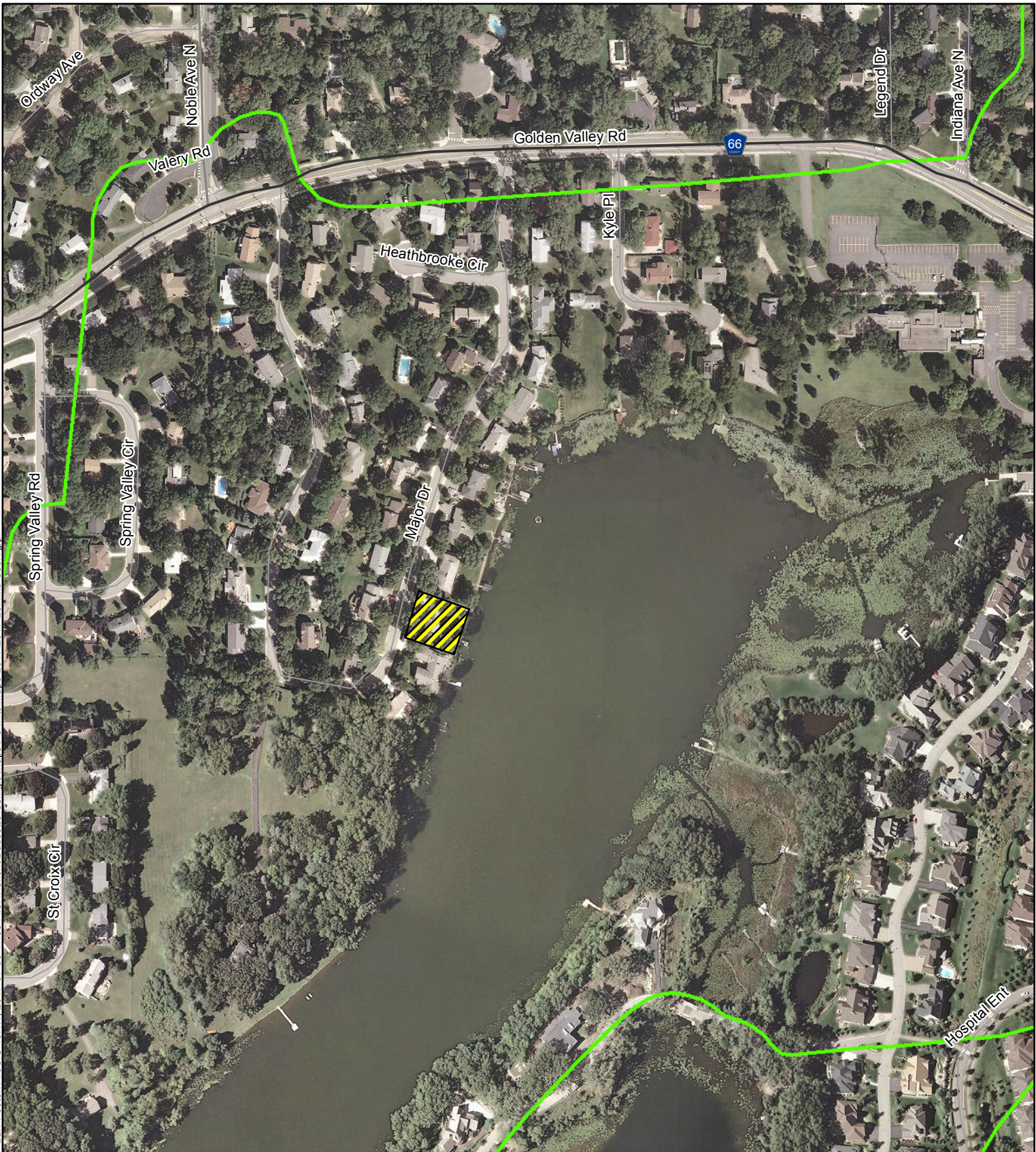
Erosion and Sediment Control

Although single family home sites are exempt from BCWMC erosion and sediment control requirements, proposed temporary BMPs include floating silt curtain and erosion control blanket. Permanent erosion and sediment control features include stabilization with native plantings.







Recommendation

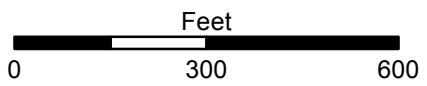
Approval

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Imagery Source: Aerial Express (2009)

-  Project Location
-  Bassett Creek
-  WMC Boundary
-  Major Subwatershed
-  Municipality
-  Stream



LOCATION MAP
APPLICATION 2017-25
1820 Major Drive North Landscaping
Golden Valley, MN