

## Memorandum

To: Bassett Creek Watershed Management Commission  
From: Barr Engineering Co.  
Subject: Item 4D – 1400 Spring Valley Road: Golden Valley  
BCWMC August 15, 2013 Meeting Agenda  
Date: August 7, 2012  
Project: 23270051 2013 286

### 4D. 1400 Spring Valley Road: Golden Valley

#### Summary

**Proposed Work:** Residential stone patio construction, riprap and filter replacement

**Basis for Commission Review:** Work in floodplain

**Change in Impervious Surface:** None

**Recommendation:** Conditional Approval

#### **General Background & Comments**

A request was received for review of the removal of a wood walkway and deck and the construction of a stone lined path, stone patio, and riprap and filter replacement at the referenced address in the City of Golden Valley. BCWMC review of the above-referenced property is required due to shoreline stabilization in the Sweeney Lake floodplain. The project will result in no change of impervious area.

#### **Floodplain**

The 100-year floodplain elevation of Sweeney Lake is 831.5 feet. Construction of the stone patio will be at existing grade, therefore no fill will be placed in the floodplain. Approximately 940 square feet will be graded in the floodplain for the placement of the stone patio and new riprap and filter. Riprap and filter will be placed using suggested MnDNR cross-section and guidelines (Minnesota Statutes 103G and Public Waters Work Permit Program Rules Chapter 6115).

#### **Stormwater Management**

The proposed work on the site will not change stormwater drainage; the entire lot drains to Sweeney Lake.

#### **Water Quality Management**

Under existing conditions, runoff from the project area drains directly to Sweeney Lake. Under proposed conditions, there will be no change in runoff. Because there is no change in impervious

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area, this project is not required to meet the BCWMC's non-degradation policy or Level 1 water quality treatment requirements.

### **Erosion and Sediment Control**

The replacement of riprap and filter and use of natural vegetation will provide additional permanent erosion control along the shoreline.

### **Recommendation**

Conditional approval based on the following comments:

1. Plans signed and dated by the professional completing or overseeing the proposed work must be submitted to the BCWMC engineer.
2. The party responsible for overseeing to completion comments 1-10 in the document titled "Scott Eastman, 1400 Spring Valley Road" (included with the application), must sign and date the document. Use of letterhead is preferred. The signed and dated document must be submitted to the BCWMC engineer.