

## Memorandum

To: Bassett Creek Watershed Management Commission  
From: Barr Engineering Co.  
Subject: Item 4F – 1130 Angelo Drive Project – Golden Valley  
BCWMC November 18, 2015 Meeting Agenda  
Date: November 11, 2015  
Project: 23270051 2015 2062

### 4F 1130 Angelo Drive Project – Golden Valley

#### Summary:

**Proposed Work:** Removal of railroad tie retaining wall and installation of riprap along shoreline

**Basis for Commission Review:** Work within the floodplain

**Impervious Surface Area:** No change

**Recommendation:** Approval

#### General Background & Comments

The project is located at 1130 Angelo Drive in the Sweeney Lake subwatershed. The project parcel is 0.92 acres; approximately 5,000 square feet will be graded to construct the project. The proposed project results in no change of impervious surface on the parcel, and the parcel has an existing impervious area of approximately 2,800 square feet.

The proposed project includes removal of an existing failing railroad tie retaining wall and installation of 12 -18 inch fieldstone riprap along the shoreline. Native plant plugs will be installed between the rocks and 10 feet back from the riprap. Existing turf will be removed to facilitate installation of the native plantings.

#### Floodplain

The project is located within the Sweeney Lake floodplain (elevation 831.5). The project will replace the failed railroad tie retaining wall with riprap. A portion of the existing shoreline slope will be removed and graded to facilitate installation of the riprap so the project does not result in loss of floodplain storage.

#### Wetlands

The City of Golden Valley is the LGU for administering the Minnesota Wetland Conservation Act of 1991, and will address any wetland impacts.

#### Stormwater Management

Under existing conditions the site drains east toward Sweeney Lake. Under proposed conditions the drainage patterns of the site will remain the same.

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## **Water Quality Management**

There is currently no constructed water quality treatment provided on the site. Because the project is creating and/or reconstructing less than one acre of impervious surface, no water quality treatment is required on-site. The BCWMC encourages the use of infiltration, filtration, or other abstraction of runoff from impervious area for all development and redevelopment projects as a best practice to reduce stormwater runoff. The project will replace turf with native plantings within the project area which will provide water quality benefits.

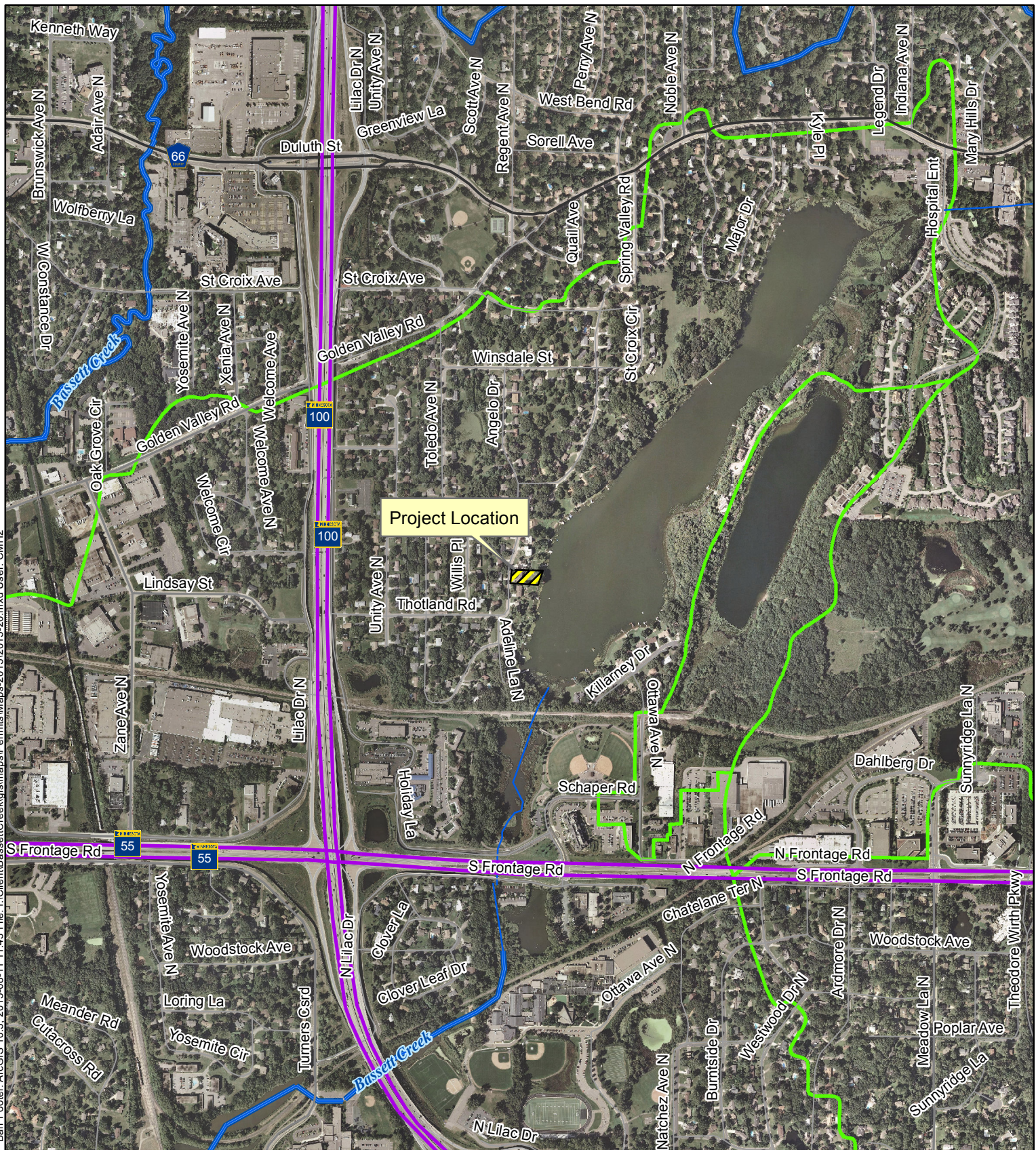
## **Erosion and Sediment Control**

Since the area to be graded is less than 10,000 square feet and involves less than 200 cubic yards of cut or fill, the proposed project is not required to meet the BCWMC erosion control requirements. However, an erosion control plan was provided showing silt fence, biolog, and erosion control blanket.

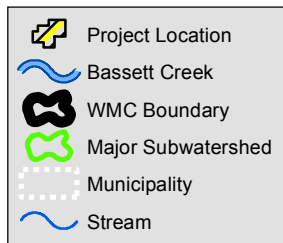
## **Recommendation**

Approval

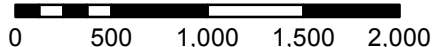




Imagery Source: Aerial Express (2009)



Feet



**LOCATION MAP**  
**APPLICATION 2015-31**  
**1130 Angelo Drive**  
**Golden Valley, MN**