

## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Company  
**Subject:** Item 4E – 2013 Golden Valley Pavement Management Plan (PMP): Golden Valley  
BCWMC February 21, 2012 Meeting Agenda  
**Date:** February 13, 2012  
**Project:** 23270051 2012 257

### 4E. 2013 Golden Valley Pavement Management Plan (PMP): Golden Valley

#### Summary

**Proposed Work:** Street reconstruction plan

**Basis for Commission Review:** Street reconstruction greater than 5 acres

**Change in Impervious Surface:** Decrease 0.42 acres

**Recommendation:** Conditional approval

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

A request was received for review of a street reconstruction project in the City of Golden Valley. The project includes excavation, grading, concrete curb and gutter, bituminous paving, storm sewer and sanitary sewer repair, water main replacement and the reconstruction of approximately 0.98 miles of residential streets. The project is located in the Sweeney Lake watershed and includes reconstruction of portions of Yosemite Avenue North, Yosemite Circle, Woodstock Avenue, and Loring Lane (Area 1) and the Highway 55 frontage road (Area 2).

Approximately 5.28 acres will be disturbed as a result of the project. The project will result in a 0.42 acre decrease of impervious surface from 3.3 acres to 2.88 acres, due to the narrowing of some streets and intersections. Construction is anticipated to be completed during 2013.

#### **Floodplain**

The floodplain elevation of the Sweeney Lake branch of Bassett Creek upstream of Turner's Crossroad is 854.7. The storm sewer outlet located along the south side of Yosemite Circle will discharge below the floodplain elevation; however the replacement of the storm sewer will require no placement of fill in the floodplain.

#### **Wetlands**

The City of Golden Valley is the Local Government Unit (LGU) responsible for review of the project for conformance to the MN Wetland Conservation Act.

## **Stormwater Management**

Runoff from the project discharges through existing storm sewers eventually to Sweeny Lake. Area 1 discharges through two separate storm sewer systems, one along Yosemite Avenue North and one along Turners Crossroad, which outlet into a pond along the Sweeney Lake Branch of Bassett Creek. Area 2 discharges to the west and directly into the Sweeney Lake Branch of Bassett Creek.

## **Water Quality Management**

Permanent BMPs include construction of five sump manholes, four located in the Yosemite Avenue North and Yosemite Circle storm sewers and one in the Woodstock Avenue storm sewer.

## **Erosion and Sediment Control**

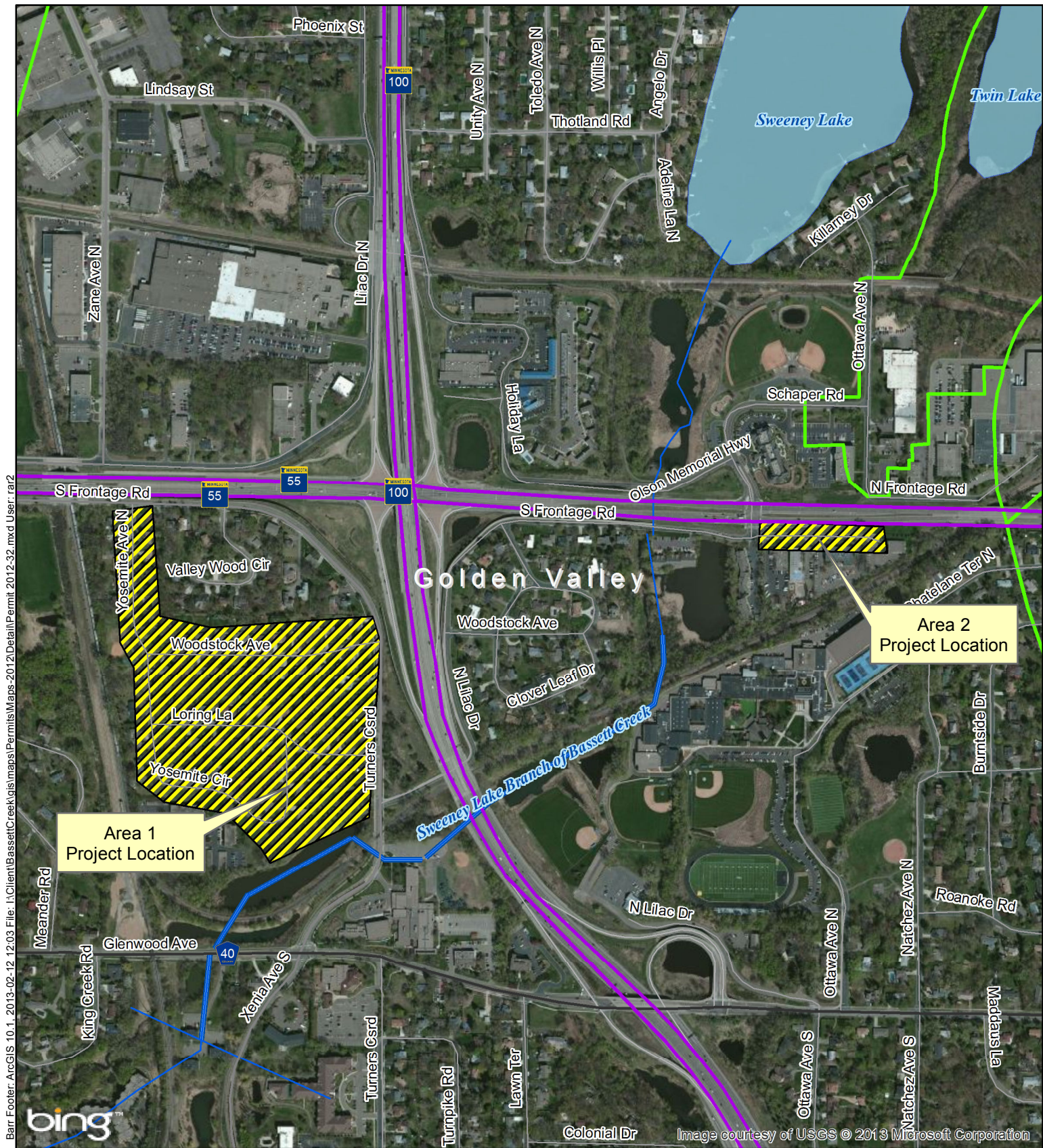
Temporary erosion control features to be implemented include silt fence, floatation silt curtain, and inlet protection. Daily street sweeping will be implemented as necessary during construction.

## **Recommendation**

Approval based on the following conditions:

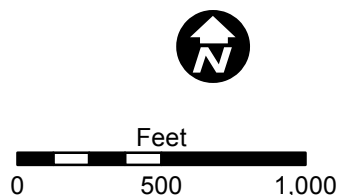
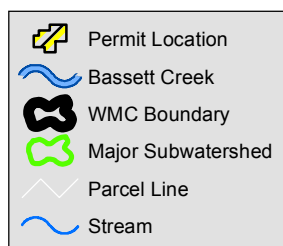
- a. Plans for proposed Lakeview Park work should be provided for review.
- b. Outlet velocity of FES 1 (Sheet S5) exceeds 15 feet-per-second. Pipe should be extended to discharge at or below the normal water level of the downstream pond, or should be flattened to reduce velocity.
- c. Silt fence should be extended along the entire length of the grading area of the sanitary easement work (Sheet E6).
- d. We recommend the city consider installing SAFL Baffles or other environmental manholes at each sump for increased treatment efficiency. Sump manholes should be maintained and inspected at least twice a year.





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Imagery Source: Bing Maps for ArcGIS (2010)



**LOCATION MAP**  
**APPLICATION 2012-32**  
**2013 Pavement Management Plan**  
**Golden Valley, MN**