

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 4H – 2014 Golden Valley Pavement Management Plan (PMP): Golden Valley
BCWMC February 20, 2014 Meeting Agenda
Date: February 12, 2014
Project: 23270051 2012 2002

4H. 2014 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 0.63 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 1.1 miles of residential streets. The project is located in the Sweeney Lake watershed and includes reconstruction of portions of Western Avenue, Idaho Avenue North, Hampshire Avenue North, Cortlawn Circle West, Cortlawn Circle North, Cortlawn Circle South, Edgewood Avenue South, and Florida Court.

Approximately 6.15 acres will be disturbed as a result of the project. The project will result in a 0.63 acre decrease of impervious surface from 3.81 acres to 3.18 acres, due to the narrowing of some streets and intersections. Construction is anticipated to be completed during 2014.

Floodplain

The floodplain elevation of Cortlawn Pond, which is located immediately south of the street reconstruction area, is 872.9 feet. The storm sewer outlets, located at the south ends Edgewood Avenue South and Cortlawn Circle West, will discharge below the floodplain elevation; however the replacement of the storm sewer as part of this project will require no work 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 Sweeney Lake. Idaho Avenue North and the majority of Western Avenue discharge through storm sewer to the west and eventually into the Western Ring Pond. All the Cortlawn Circles, Hampshire Avenue North, and Edgewood Avenue South discharge through storm sewer south into Cortlawn Pond. Florida Court and the east end of Western Avenue discharge to a stormwater pond before outletting into the Cortlawn Circle West storm sewer and into Cortlawn Pond. There are no changes in stormwater management as a result of this project.

Water Quality Management

Permanent BMPs include construction of nine sump manholes, located at the downstream end of storm sewers before they discharge out of the street reconstruction area and at major confluences of storm sewers.

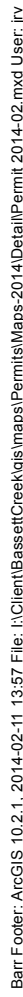
Erosion and Sediment Control








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.

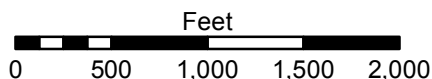
Recommendation

Approval based on the following conditions:

- a. Additional inlet protection must be provided at the intersection of Western Avenue and Jersey Avenue North.
- b. The sump depth at manhole 54 must be increased to four feet.
- c. 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.
- d. Updated plans must be provided to the BCWMC Engineer for final review and approval.



 Permit Location
 Bassett Creek
 WMC Boundary
 Major Subwatershed
 Municipality
 Parcel Line
 Stream



**LOCATION MAP
APPLICATION 2014-02
2014 Pavement Management Plan
Golden Valley, MN**