



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4E – Golden Valley-Minneapolis Interceptor Rehab – Golden Valley, MN
BCWMC May 18, 2017 Meeting Agenda
Date: May 10, 2017
Project: 23270051 2017 2118

4E Golden Valley-Minneapolis Interceptor Rehab – Golden Valley and Minneapolis, MN BCWMC 2017-11

Summary:

Proposed Work: Repairs to the existing sanitary interceptor sewer

Basis for Commission Review: Work in the floodplain

Impervious Surface Area: No change

Recommendation: Conditional Approval

General Background & Comments

The proposed project involves repairs to the existing sanitary interceptor sewer including: temporary pumping, cast in place pipe (CIPP) lining, rehabilitation of existing maintenance holes (MH), abandonment of three existing maintenance holes (MH), and restoration of all disturbed areas. The project is located in the Bassett Creek Main Stem subwatershed and results in 6.5 acres of disturbance (grading). There may be some minor pavement patching along the project access paths, but there will be no new or fully reconstructed impervious surface.

Floodplain

The current floodplain elevation of Bassett Creek at Site 1 varies from 815.1 feet to 814.6 feet NGVD29 (815.3 feet to 814.8 feet NAVD88) from the upstream railroad crossing to the downstream railroad crossing, respectively. The updated, but not yet adopted, XPSWMM (Atlas 14 precipitation) floodplain elevation at Site 1 varies from 814.2 feet to 813.5 feet NGVD29 (814.4 feet to 813.7 feet NAVD88) from the upstream railroad crossing to the downstream railroad crossing, respectively.

The current floodplain elevation of Bassett Creek at Site 2 varies from 826 feet to 821.5 feet NGVD29 (826.2 feet to 821.7 feet NAVD88) from upstream of Hwy. 55 to downstream of Hwy. 55, respectively. The updated, but not yet adopted, XPSWMM (Atlas 14 precipitation) floodplain elevation at Site 2 varies from 826.3 feet to 821.5 feet NGVD29 (826.5 feet to 821.7 feet NAVD88) upstream of Hwy. 55 to downstream of Hwy. 55, respectively.

Based on the plans and communications with the applicant, there will be no permanent net fill placed within the Bassett Creek floodplain. Temporary stockpiles may be placed in the floodplain during excavation.

Wetlands

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

Stormwater Management

The drainage patterns under existing and proposed conditions will remain the same; this project will not result in changes to land use or topography.

Water Quality Management

The project does not result in any new or fully reconstructed impervious surface and therefore does not trigger water quality review or treatment to MIDS performance goals.

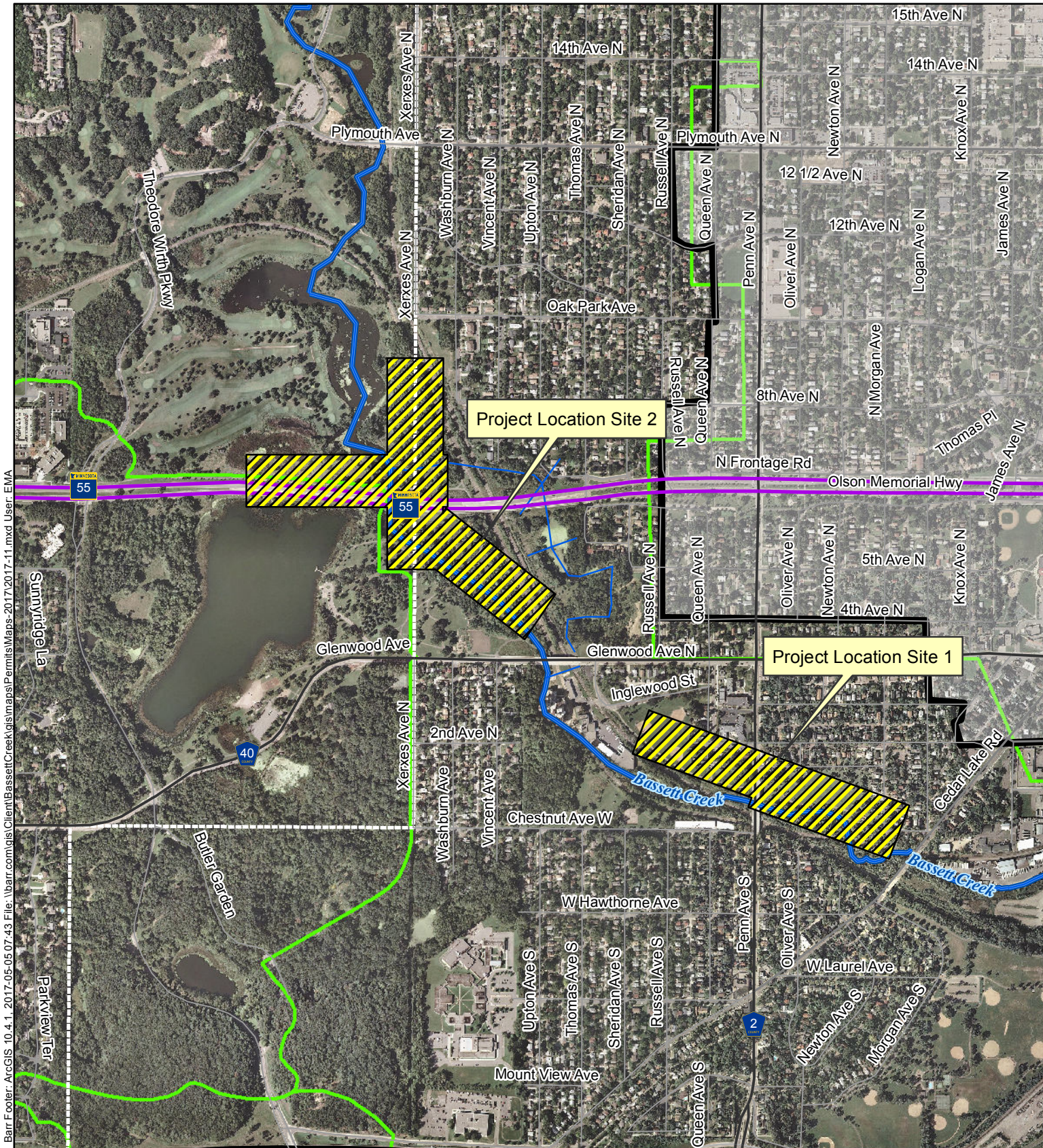
Erosion and Sediment Control

Since the area to be disturbed (graded) for the project is greater than 10,000 square feet, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include silt fence, storm drain inlet protection, and rock construction entrances. Permanent erosion and sediment control features include seeding and erosion control blankets.

Recommendation







Conditional approval based on the following comments:

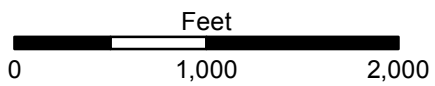
1. The storm drain inlet protection, sediment control logs, and erosion control blanket locations must be shown on the erosion and sediment control plan.
2. Rock construction entrances must be revised to include a wash-off berm with a minimum height of 2 feet above the adjacent roadway and with maximum side slopes of 4:1.
3. Revised Drawings (paper copy and final electronic files) must be provided to the BCWMC Engineer for final review and approval.



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Imagery Source: Aerial Express (2009)

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



LOCATION MAP
APPLICATION 2017-11
GV/MPLS Interceptor Rehabilitation
Golden Valley & Minneapolis, MN