



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4D – Northwood East Ballfield Improvements – New Hope, MN
BCWMC August 17, 2017 Meeting Agenda
Date: August 9, 2017
Project: 23270051 2017 2134

4D Northwood East Ballfield Improvements – New Hope, MN BCWMC 2017-27

Summary:

Proposed Work: Grading

Basis for Commission Review: Fill in the floodplain

Impervious Surface Area: No change

Recommendation: Approval

General Background & Comments

The proposed project is located in the Bassett Creek Park Pond Subwatershed along the North Branch of Bassett Creek just east of Boone Avenue in New Hope, MN. The left outfield of the east softball field at Northwood Park has settled one to two feet relative to the original 1997 design, causing a safety concern. The proposed project includes the addition of clean fill and light grading to bring the field to a playable condition. The proposed project results in 16,600 square feet (0.31 acres) of disturbance (grading) and does not create any new or fully reconstructed impervious surfaces.

Floodplain

The proposed project includes work in the floodplain of the North Branch of Bassett Creek. The September 2015 BCWMC Requirements for Improvements and Development Proposals (Requirements) document requires that projects within the floodplain maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). At its May 18, 2017 meeting, the BCWMC approved the XP-SWMM Phase II (Atlas 14) model and adopted the revised (Atlas 14) floodplain elevations for the Bassett Creek Trunk System. Based on this approval and adoption, the floodplain elevation along the North Branch of Bassett Creek downstream of Boone Avenue is 891.4 feet NAVD88.

Based on the plans and information provided by the applicant, the proposed project will maintain a net increase in flood storage of 99 cubic yards from the original 1997 design. Temporary stockpiles may be placed in the floodplain during construction.

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Wetlands

The project appears to involve work adjacent to wetlands. The City of New Hope is the LGU for administering the Minnesota Wetland Conservation Act of 1991.

Stormwater Management

The proposed project does not create any new or fully reconstructed impervious areas and therefore does not trigger stormwater management review. Drainage patterns under existing and proposed conditions will remain the same and the proposed project will not result in changes to land use or topography.

Water Quality Management

The proposed project does not create any new or fully reconstructed impervious areas and therefore does not trigger water quality review.

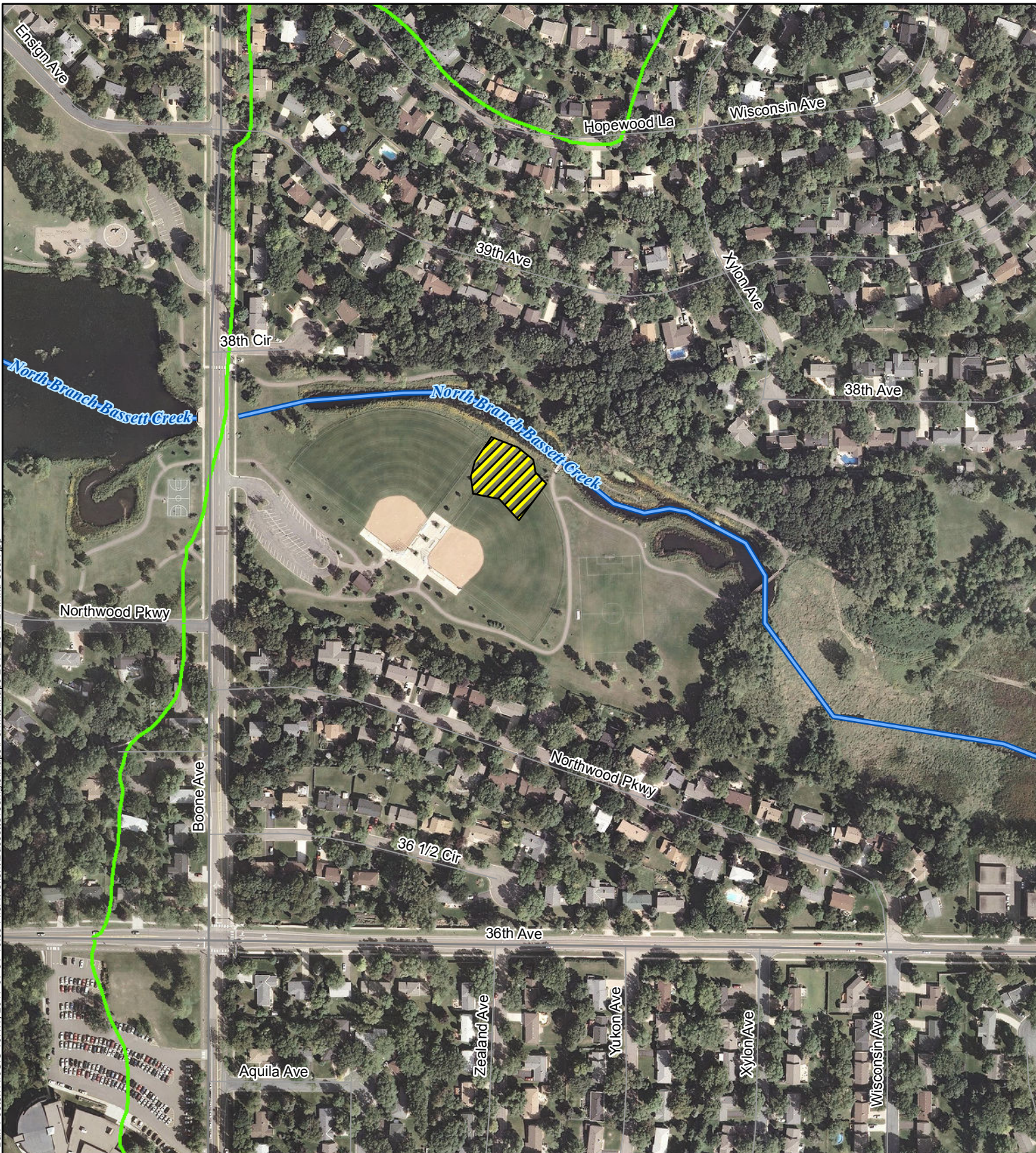
Erosion and Sediment Control

The proposed project includes more than 10,000 square feet of disturbance and more than 200 cubic yards of fill; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include silt fence and Hydromulch. Permanent erosion and sediment control features includes stabilization with sod.







Recommendation

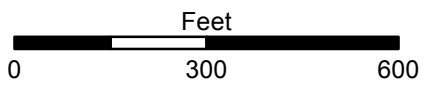
Approval

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Imagery Source: Aerial Express (2009)

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



LOCATION MAP
APPLICATION 2017-27
Northwood East Ballfield Improvements
New Hope, MN