



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4L: New Hope 2020 Infrastructure Improvements – New Hope, MN
BCWMC May 21, 2020 Meeting Agenda
Date: May 12, 2020
Project: 23270051 2020 2217

4L New Hope 2020 Infrastructure Improvements – New Hope, MN BCWMC 2020-12

Summary:

Proposed Work: Street reconstruction, water main replacement, sanitary sewer improvements, storm sewer improvements, and mill & overlay

Basis for Review at Commission Meeting: Linear project with more than five acres of disturbance

Impervious Surface Area: No change

Recommendation: Approval

General Project Information

The proposed linear project is in the City of New Hope at various locations within the Northwood Lake, Bassett Creek Park Pond, Medicine Lake Direct, and Bassett Creek Main Stem subwatersheds. The base bid and alternate #1 improvements are located in the Bassett Creek watershed, but alternates #2, #3, and #4 improvements are located outside the Bassett Creek watershed. The attached figure shows the proposed project work located in the Bassett Creek watershed. The proposed linear project includes reconstruction of City of New Hope streets and utility improvements, including water main, sanitary sewer, and storm sewer. Alternate #1 improvements include mill & overlay of additional City of New Hope streets beyond the base bid project, but the BCWMC requirements document does not consider mill & overlay work to be land disturbing activities, therefore BCWMC review is not required for the Alternate #1 improvements. The proposed linear project within the Bassett Creek Watershed results in 14.08 acres of grading (disturbance), creates 6.08 acres of fully reconstructed impervious surfaces, and results in no change in impervious surfaces from the 6.08 acres in existing conditions.

Floodplain

The proposed linear project does not involve work in the BCWMC 100-year floodplain; therefore, BCWMC floodplain review is not required.

Wetlands

The proposed linear project does not appear to involve work in or directly adjacent to wetlands. BCWMC wetland review is not required.

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Rate Control

The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC rate control review is not required.

Water Quality

The proposed linear project does not create one or more acres of net new impervious surfaces; therefore, BCWMC water quality review is not required. However, the proposed linear project includes a new storm manhole with three-foot sump at two locations where storm sewers leave the proposed project areas.

Erosion and Sediment Control

The proposed linear project results in one or more acres of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include rock construction entrances, sediment control logs, silt fence, and storm drain inlet protection. Permanent erosion and sediment control features include stabilization with seeding and erosion control blanket.






Recommendation

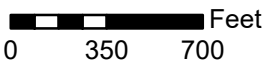
Approval.



Base Bid:
Street Reconstruction and
Utility Improvements

Alternate #1:
Mill and Overlay

-  Project Location
-  Municipality
-  BCWMC Legal Boundary
-  Major Subwatershed
-  Bassett Creek



BCWMC #2020-12
2020 INFRASTRUCTURE
IMPROVEMENTS
Various Locations
New Hope, MN
LOCATION MAP