

Memorandum

To: Bassett Creek Water Management Commission
From: Barr Engineering Company
Subject: Items on the Commission September 16, 2004 Meeting Agenda
Date: September 9, 2004
Project: 23/27 051

1. 1600 Constance Avenue: Golden Valley

Summary

Proposed Work: Riprap Protection Plan

Basis for Commission Review: Work in creek channel and floodplain.

Recommendation: Conditional approval

The city of Golden Valley has requested review of a streambank erosion protection plan along the Main Stem of Bassett Creek in Golden Valley. The project is located upstream of St. Croix Avenue along the northwest side of the creek. The project includes placement of riprap and filter along 120 feet of shoreline. Work has begun at the site without adequate permits. The city of Golden Valley issued a "Stop Work" order and required the applicant to obtain the proper BCWMC approval and City permits.

Recommendation: Approval, contingent on the following comments:

- a. The cross section of Bassett Creek must not decrease as a result of the project.
- b. Storage volume below the floodplain must not be reduced from existing conditions as a result of the project.
- c. Disturbance in the creek must be minimized during construction.
- d. Riprap shall be placed in accordance to DNR recommendations. Erosion must not be transferred to other locations of the channel as a result of the project.
- e. Riprap shall be adequately sized for creek flows.

2. 2155 Vale Crest Road: Golden Valley

Summary

Proposed Work: Riprap Protection Plan

Basis for Commission Review: Work in creek channel and floodplain.

Recommendation: Conditional approval

The city of Golden Valley has requested review of a residential streambank protection plan along the Main Stem of Bassett Creek in Golden Valley. The project is located at the referenced property along the east side of Bassett Creek, about 350 feet upstream of Westbrook Road. The management envelope is 859.0 feet MSL. The project includes placement of riprap and filter along 95 feet of shoreline. Riprap was placed along a portion of the shoreline during 2004 as part of the city of Golden Valley's restoration project. This project includes extending the limits of the riprap to prevent bank erosion. Filter fabric will be placed beneath the riprap. The applicant plans to perform the repairs this year after approval of the project.

Recommendation: Approval, contingent on the following comments:

- a. The cross section of Bassett Creek must not decrease as a result of the project.
- b. Storage volume below the floodplain must not be reduced from existing conditions as a result of the project.
- c. Disturbance in the creek must be minimized during construction.
- d. Riprap shall be placed in accordance to DNR recommendations. Erosion must not be transferred to other locations of the channel as a result of the project.
- e. Riprap shall be adequately sized for creek flows.

3. 4820 & 4840 Markay Ridge: Golden Valley

Summary

Proposed Work: Riprap Protection Plan

Basis for Commission Review: Work in creek channel and floodplain.

Recommendation: Conditional approval. Provide plans to TAC for consideration of channel maintenance funds.

The city of Golden Valley has requested review of a residential streambank protection plan along the Main Stem of Bassett Creek in Golden Valley. The project is located at the referenced properties along the south side of Bassett Creek, about 500 feet upstream of Noble Avenue. The management envelope is 840.3 feet MSL. The project includes placement of riprap and filter along two erosion sites. Filter fabric will be placed beneath the riprap. These erosion sites are

identified in Golden Valley's creek inventory. The applicant has requested funding from the BCWMC's 2005 channel maintenance fund.

Recommendation: Approval, contingent on the following comments:

- a. The cross section of Bassett Creek must not decrease as a result of the project.
- b. Storage volume below the floodplain must not be reduced from existing conditions as a result of the project.
- c. Disturbance in the creek must be minimized during construction.
- d. Riprap shall be placed in accordance to DNR recommendations. Erosion must not be transferred to other locations of the channel as a result of the project.
- e. Riprap shall be adequately sized for creek flows.

4. Bassett Creek Floodproofing Plan

Summary

Proposed Work: Flood Control Plan

Basis for Commission Review: Information only

The city of Golden Valley has completed floodproofing plans for several homes that were proposed to be floodproofed as part of the original flood control project. These homes are located along the Bassett Creek Main Stem and currently do not have 100-year flood protection. The majority of the funding (72.5%) to complete the floodproofing will be from remaining funds from the BCWMC Flood Control construction account.

The homes are located along Regent Avenue and Scott Avenue in the vicinity of Hampton Road. Eleven homes will benefit from the project. The project includes construction of an earth berm, sheetpile wall, pond, storm sewer improvements and a lift station. The plans are consistent with the objectives of the Bassett Creek flood control project. Construction of the project would remove the homes from the Bassett Creek floodplain.

5. Feasibility Reports: 2005 Capital Improvement Projects

Attached are draft copies of feasibility reports for Wirth Lake (prepared by the BCWMC) and Northwood Lake (prepared by New Hope). These reports were also provided last month. The scope and cost of the Twin Lake project has increased significantly and will not be part of the public hearing. Since the estimated project cost exceed the costs in CIP Table 12-2 (adjusted for inflation) by greater than 20%, a minor plan amendment will be necessary to fund the project. The project will be discussed at the meeting.

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6. For Information Only

a. United Health Group Improvements

A grading, drainage, and erosion control plan was reviewed for the proposed site improvements. A letter of was sent to Golden Valley.

b. Willow Wood Estates

A grading, drainage, and erosion control plan was reviewed for the proposed site expansion plan. A letter of approval was sent to the city of Plymouth.

c. Douglas Drive Access Improvements

A street improvement plan was reviewed. A letter was sent to Hennepin County and Golden Valley.

d. Erosion Control Inspection Report

A copy of the August 30, 2004 inspection report is included.