

**2004 Water Quantity Program  
Bassett Creek Water Management Commission  
June 2003**

For the 2004 fiscal year, Barr Engineering Co. proposes to continue the current lake and stream gauging program. The readings have proved valuable to the communities for planning future development and as documentation of the response of surface water bodies to above normal and below normal precipitation. The lake gauging program will encompass Medicine Lake, Sweeney Lake, Parkers Lake, Westwood Lake, Crane Lake (Ridgedale Pond), and Northwood Lake. Two readings per month will be taken during the period April 1, 2004 through September 30, 2004. One reading per month will be taken during the period October 1, 2004 through March 31, 2005.

The 2004 stream gauging program will consist of periodically reading stages or gauging the stream at the new tunnel entrance, at the Theodore Wirth Park/T.H. 55 outlet structure, at Highway 100 (main stem), at Wisconsin Avenue, at Sweeney Lake, at Medicine Lake, at Winnetka Avenue (north branch), at 26th Avenue (Plymouth Creek fish barrier), and at other selected locations if periods of high flow occur.

**2004 Watershed Inspection Program  
Bassett Creek Water Management Commission  
June 2003**

**1. Erosion Control Inspection**

For the 2004 fiscal year, Barr Engineering Co. proposes to continue the current watershed construction site inspection program. The inspections have been valuable for correcting erosion and sediment control practices which are not in conformance with Commission policies. The inspections also verify that sites are developed in accordance with approved plans. The proposed plan consists of inspecting active construction sites in the watershed once every month. Erosion control inspections will begin April 2004 and extend through October 2004. Selected sites may be inspected on two-week intervals to verify that requested erosion control modifications have been completed. Critical work such as wetland or creek crossings and work adjacent to lakes and sensitive wetlands will be inspected as necessary. We recommend Commission staff coordinate the inspection with respective contacts from each city. Following each inspection, a letter listing construction projects and the improvement needed for effective erosion control will be sent to the inspection department at each city where improvements are required.

**2. Flood Control Project Inspection**

For the 2004 fiscal year, Barr Engineering Co. proposes continue the current flood control project inspection program. The inspection program was implemented during 2002 and will cover flood control project features designed and constructed by the Corps of Engineers and features designed and constructed by the Commission and cities. The objective of the inspection is to address erosion, settlement, sedimentation, and structural issues. In accordance to the Bassett Creek Flood Control Project Operation and Maintenance Manual, except as noted, the following project features require annual inspection:

**Minneapolis**

- New Tunnel and Conduit (Double Box Culvert) - inspect every five years, dewater and inspect every 20 years
- Old Tunnel
- Open Channel

**2004 Watershed Inspection Program (continued)**  
**Bassett Creek Water Management Commission**  
**June 2003**

**Golden Valley**

- Highway 55 Control Structure & Ponding Area
- Golden Valley Country Club Embankment (Box Culvert, Overflow Weir, and downstream channel)
- Noble Avenue Crossing
- Regent Avenue Crossing
- Westbrook Road Crossing
- Wisconsin Avenue Crossing
- Minnaqua Drive Bridge Removal

**Crystal**

- Box Culvert and Channel Improvements (Markwood Area)
- Edgewood Embankment with Ponding
- Highway 100/Bassett Creek Park Pond
- 32nd Avenue Crossing
- Brunswick Avenue Crossing
- 34<sup>th</sup> Avenue Crossing
- Douglas Drive Crossing
- Georgia Avenue Crossing
- 36<sup>th</sup>-Hampshire Avenue Crossing
- Channel Improvements

**Plymouth**

- Medicine Lake Outlet Structure
- Plymouth Fish Barrier (not required by Corps)

**Summary of Pre-Funded Flood Control Project Items  
(From Remaining Flood Control Project Funds)  
August 2002**

Funding Item	Total Allocation from Flood Control Project	Annual Allocations				Annual Assessments 2003-2013
		2003	2004	2005	2006	
Flood Control Project (1)	\$700,000	\$100,000	\$200,000	\$300,000	\$100,000	\$0
Flood Control Emergency Repair Project	\$500,000	NA	NA	NA	(2)	\$0
Flood Control Project Long Term Maintenance	\$335,000	NA	NA	NA	(2)	\$25,000

- (1) Monies to be used for flood proofing of homes included in the original Flood Control Project.  
(2) As needed.