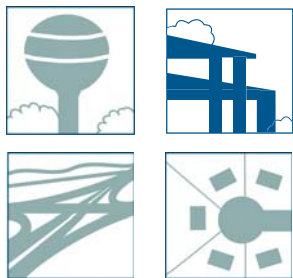


LAKE GOODVIEW FLOOD ANALYSIS AND LAKE OUTLET



The City of Goodview sustained extensive damages as a result of the August 2007 Flood. The City's seventy-five acre lake, Lake Goodview, was inundated with flood water and reached close to fifteen feet above normal water elevation. Yaggy Colby Associates was hired to conduct a hydraulic study of nearby Garvin Brook and the drainage area of Lake Goodview. An alternative analysis was then completed to determine the best option for flood prevention.

Client:

City of Goodview

Contact:

Dan Matejka, City Administrator
(507) 452-1630

Location:

Goodview, MN

Construction Cost:

\$700,000

Services Provided:

- Topographic Survey
- Hydraulic Analysis
- Structural Analysis
- Design
- Project Management
- Project Observation

The City chose to create an outlet for Lake Goodview and received flood mitigation funding through the MN Department of Natural Resources to complete the project. It was determined that a force main outlet would be necessary due to the equal or higher levels of the receiving water, the backwaters of the Mississippi. Yaggy Colby Associates performed the engineering for the project, which included topographic surveying, pump station/force main design, wetland delineation/mitigation, and the design of a new holding pond, outlet and embankment.

The project was completed in December 2009. The lake outlet consists of four, fifty horsepower pumps, 2500' of pipe, and a holding pond to allow for additional storm water treatment and reduction of flows.

