Montgomery Associates
Resource Solutions, LLC

Milwaukee River Floodplain Analyses

West Bend, Wisconsin

CLIENTS

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COLLABORATORS

Natural Resource Technology, Inc.

DATE OF SERVICE

August – December 2003
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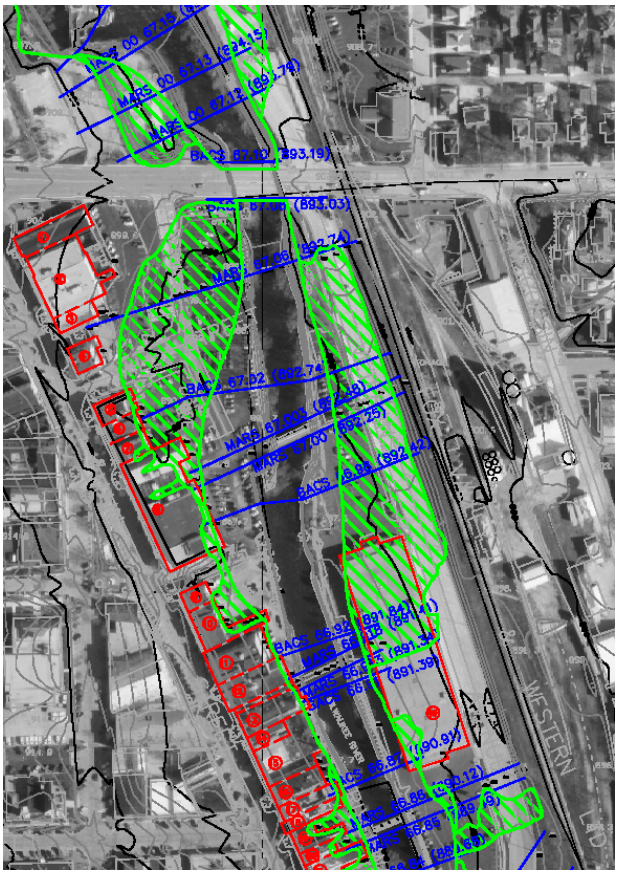

Milwaukee River Floodplain Corridor

PROJECT DESCRIPTION

The City of West Bend contacted Natural Resource Technology, Inc. and subcontractor MARS to perform a detailed hydraulic analysis on the Milwaukee River in the area of the downtown TIF districts, which roughly extend from the Chicago & Northwestern Railroad bridge upstream to State Trunk Highway 33 (STH 33). The re-study included merging several previous studies with new information into a single comprehensive analysis. Water-surface elevations for the Milwaukee River were computed using HEC-RAS.

Following the completion of the TIF #9 floodplain study, the City of West Bend recommended that MARS be hired by Pheifer Brothers to complete the hydraulic analysis and preliminary design of the Silverbrook Bridge over the Milwaukee River. The hydraulic model for the TIF #9 floodplain analysis was expanded upstream to analyze potential impacts of a proposed bridge to serve the proposed Riverbend redevelopment. The extended analysis showed that fewer upstream properties were located within the floodplain, eliminating the need for flood insurance for several residents