

RELATED EXPERIENCE

WATERFORD TOWNSHIP CLINTON RIVER RIVERWALK

Johnson & Anderson was retained by the Waterford Charter Township Community Planning and Development Department to provide professional engineering services related to the planning and

Location:	Waterford Township, Oakland County, MI
Construction Date:	2003
Construction Cost:	\$130,000
Client:	Waterford Township
Contact:	Robert Vallina Planning Director (248) 674-3111

development of plans and specifications for bidding for an asphalt pathway along the Clinton River in Sections 15 and 16 of Waterford Township, Oakland County, Michigan.

J&A staff performed route surveying for the alignment of the pathway and detailed surveys on parcels requiring permanent and temporary access easements. Plans were prepared for bidding using a bituminous cross section and timber boardwalks. Difficult aspects of this

project included working around wetlands, steep slopes requiring retaining walls and sloping timber boardwalks, working in a riverine environment, and permitting a foot bridge over the Clinton River. The project was funded in part by a grant from the Michigan Department of Natural Resources, whereas the pathway was obligated to meet the Americans with Disabilities Act conditions. J&A staff assisted the Township with administrative requirements and with interpretation of grant conditions. Based on the completed plans, J&A prepared estimates of probable cost for the proposed construction activities. Easements required to perform the work were prepared by J&A for the Owner to obtain them.

Our project team prepared applications for the various permits required for the completion of the project: Michigan Department of Environmental Quality for construction within the wetlands boundary, floodplain, and crossing the Clinton River, and from the Office of the Oakland County Water Resources Commissioner for soil erosion and sedimentation control.

