

Sanitary Sewer Master Plan, Shelbyville, Indiana

Project: Sanitary Sewer Master Plan
Development; Shelbyville, Indiana

Initial Construction Projects: Habig Street
Interceptor Sewer
Conrey Lift Station

Contract Entity: Board of Public Works,
Shelbyville, Indiana

Construction Cost: \$1,400,000 (Habig)
\$730,000 (Conrey)

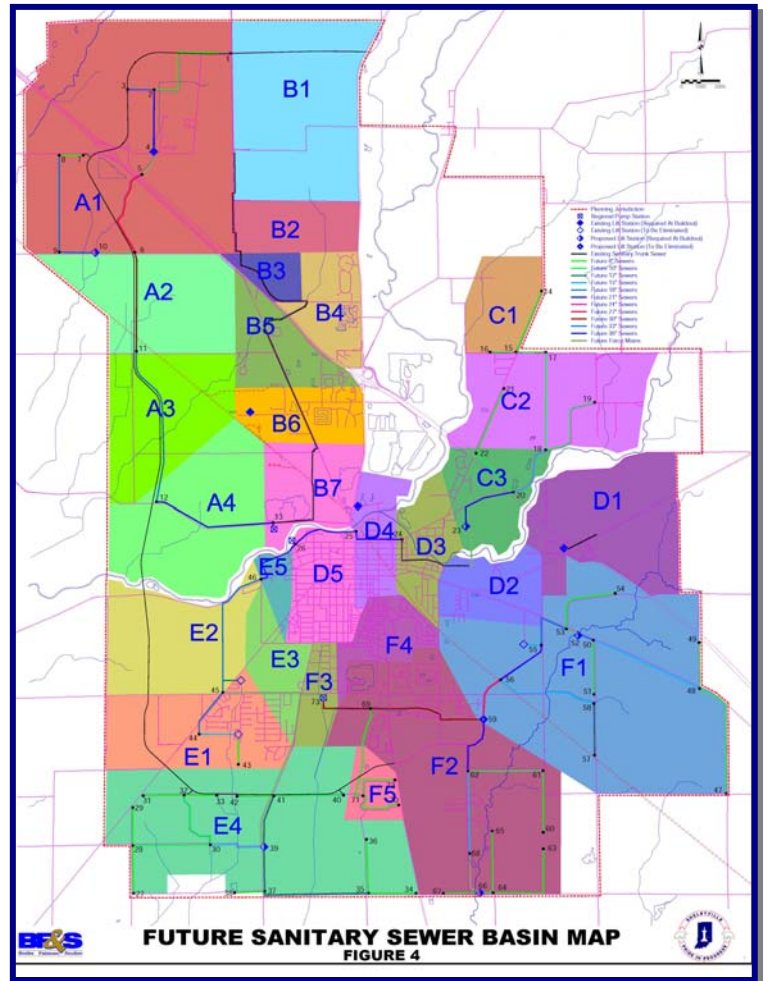
Construction Date: 2002

Team Involvement:

David Lahey, P.E., Project Manager
Michael L. Turchi, P.E., Project Engineer
Gary L. Pohl, P.E., Construction Services Mgr.
Mark W. Neal, L.S., Survey Services

Contact Information:

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Wastewater Treatment Plant
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Summary: Butler, Fairman and Seufert, Inc., worked with City of Shelbyville wastewater treatment personnel in 2001 to develop a Sanitary Sewer Master Plan, projected to provide sewer service to the City as it continues to develop over the next twenty-five years. As part of the Master Plan Development, immediate and future sanitary sewer service needs were evaluated and key projects were identified. The initial project undertaken by the sewer utility was the Habig Street Interceptor Sewer for which Butler, Fairman and Seufert, Inc. provided the design and construction inspection services. Construction of a 36-inch interceptor sewer, as well as reconstruction of Conrey Street Lift Station to accommodate the new interceptor and provide additional future capacity was completed. Design considerations included evaluation of several pipe options to provide the most cost-effective pipe to provide a reliable interceptor at 15 – 20 foot depths in areas already restricted by other existing utility use. In addition, the project included an 18-foot deep crossing of the City's levee at the Big Blue River.

The Conrey Street Lift Station reconstruction included replacement of pumps, HVAC, and installation of standby power. Elaborate construction phasing and maintenance of operations allowed the improvements to be constructed while maintaining sanitary sewer service to over one half of the City without interruption.