



Ironton CSO Storm & Sanitary Sewer Separation

Lawrence County, Ohio

Client: City of Ironton

Contact: Sam Cramblit, Mayor (740) 532-3833

Key Personnel:

Michael Williams, PE (PM)

Robert Crank

Jonathan Mohrman

Lindsey Pemberton

Project Cost:

\$4.673 Million-4 Phased Total Construction

\$4.673 Million-4 Phased Total Design

Year Completed:

Construction completed Phases 1-3 and Phase 4 construction set to begin Summer of 2020

Design completed Phases 1-4

E.L. Robinson's Role

Prime Consultant

Storm/Sanitary Sewer Design

Construction Inspection

The overall project consists of the separation of storm and sanitary sewer collection systems by constructing new storm and sanitary sewers as needed and eliminate connection points between the two systems.

The City's storm and sanitary collection systems were constructed as a combined system over a period from the late 1800s to the 1960s using vitrified clay, concrete, and brick sewers with concrete and brick utility holes. Due to the combined system, wet weather events cause combined sewer overflows at 9 locations.

Ironton entered into a Consent Decree with the USEPA in 2009 to separate the storm and sanitary collection systems by completing five construction projects. The separation of the sewer will reduce and ultimately eliminate the CSO's into the Ohio River by eliminating the outfalls. The construction projects are to be completed in five phases, with the final project completion by December 31, 2026.

Phase 1 included the area of North Ironton, where construction was completed by November 2012. Phase 2 included North Fifth and Elm Streets and was completed by 2015. Phase 3 included Mastin Avenue and the South Ironton area with construction completed by 2017. The final phase of the project that has been designed is Phase 4, which includes Walnut to Madison Streets and the South Ironton area. Construction for this phase will begin during the summer of 2020.