



Southwestern Ohio Water Company Ivorydale Water Main Replacement

Project Highlights

- RA Consultants provided survey and data management services.
- Collaboration among Design-Build Team
- Completed Water Main Engineering Design Services
- RA Consultants worked closely in consideration of the urgency of the repair and large demand from major users of the water main.

Services Provided

- Planning
- Design
- Cost Estimating
- Site Survey
- Data Analysis

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The Southwestern Ohio Water Company (SWOW) is a private water company that supplies raw water from the Great Miami River aquifer to major industries for their non-potable water needs. To alleviate a potential water main breakage in the project area and compromising water services to users such as Proctor & Gamble, General Electric and Rumpke, SWOW decided to replace the quickly deteriorating 18-inch water main located just outside the Ivorydale Proctor & Gamble facility. The 3,000 feet of new 24-inch Pre-stressed Concrete Cylinder Pipe (PCCP) – was to replace the existing 18-inch cast iron water main that was installed in the early 1900's.

RA Consultants was selected by SWOW to do the job design work for the project. Multiple railroad permits tight corridors, and the age of existing utilities and records in the project area made this a very unique project. Ensuring the location of existing utility, maintaining service to major stakeholders and designing a project that could be quickly implemented were the top goals and achievements for this project.