

# City of Fairfield Route 4 Water Main Improvements

## Fairfield, OH



Project Stats	
Client:	City of Fairfield Public Utilities Department
Location:	Fairfield, OH
Year:	2004
Market:	<a href="#">Water Supply Infrastructure</a>
Project Size:	2500.00 Linear Feet - Pipe

### Services Provided:

#### CONSTRUCTION PHASE SERVICES

Bidding Assistance

#### SURVEYING SERVICES

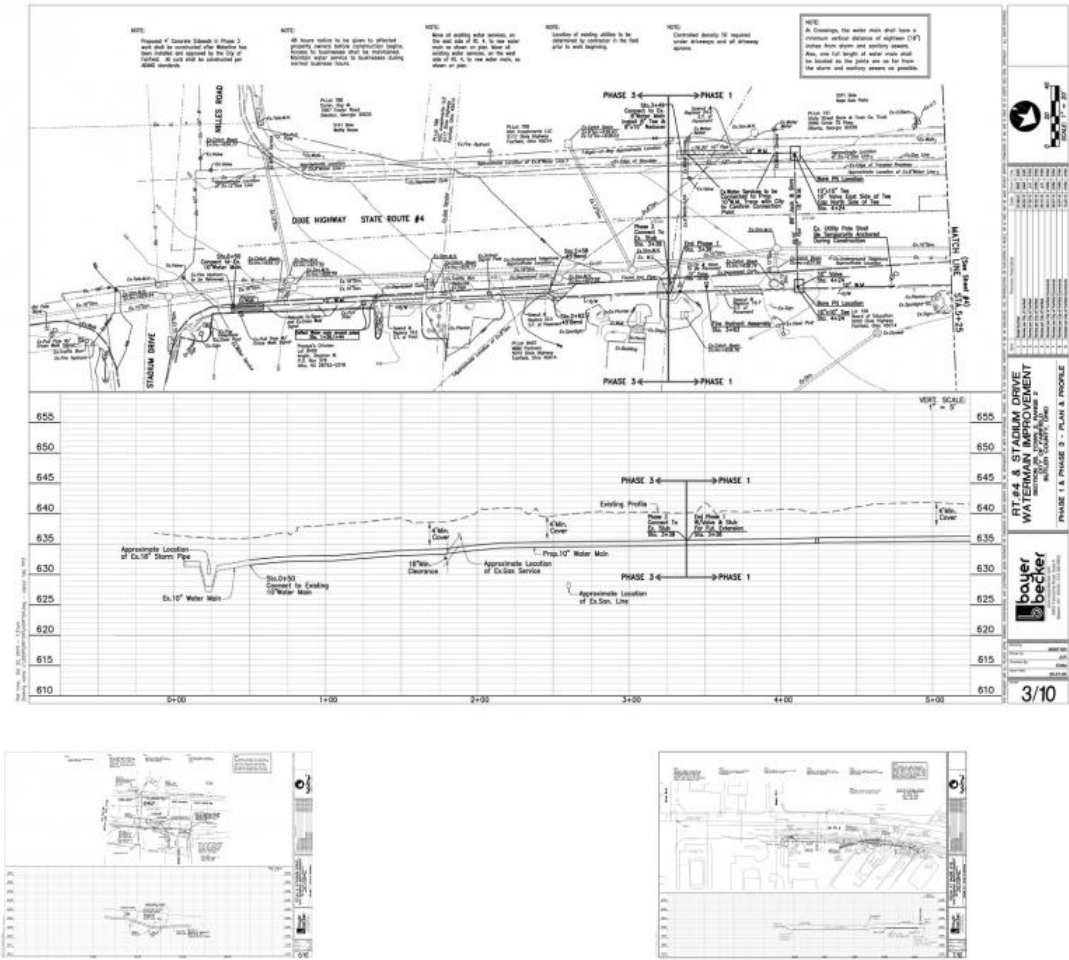
Boundary Surveys  
Right-of-way Surveys & Drawings  
Topographic Surveys  
Utility As-Built & Record Drawings

#### CIVIL ENGINEERING SERVICES

Contract Documents and Specifications  
Water Supply Infrastructure

#### LANDSCAPE ARCHITECTURE & PLANNING SERVICES

Preliminary Budgeting - Final Cost Estimating



Engineering a solution to the City of Fairfield's water main problems along Route 4 was important to the city's businesses. The aging water main had experienced numerous breaks and lacked adequate shutoff valves. When a break occurred, many businesses along Route 4 would be out of water, which was not an acceptable scenario for the City. The Fairfield Route 4 Water Main Improvements project featured the replacement and upgrade of an existing 8" cast iron main. The existing main was originally a county-owned main that became part of the City's system. Bayer Becker designed a new ductile iron 10" water main to replace the troublesome existing 8" cast iron main.

The 2,500 linear foot project was first surveyed to create a base map and establish property and right of way limits. Bayer Becker worked with the City to identify and locate the existing water services and meters, and to facilitate coordination between the contractor and the existing businesses owners to limit any potential disruptions to water service. Maintaining traffic along the Route 4 corridor was also a high priority, therefore both the work within the roadway and the new water service connections were performed at night to minimize disruptions to the business corridor.