



Water Works Systems

Boulder Hill Water Main Replacement Program
Montgomery, Illinois



18" PVC Casing

Construction Cost:

\$297,000

Project Features:

- 1,100 lineal feet of 8" watermain replacement
- Removal and replacement of parkway trees
- Boring services
- Abandonment of existing watermain



Manhole Installation

The Boulder Hill subdivision is unique in that it is located in unincorporated Oswego Township, has a Village of Montgomery address, and receives water from the Village of Montgomery, street maintenance from the Oswego Township Highway Department, and wastewater service from Fox Metro Water Reclamation District.

Currently, approximately 80% of yearly water main breaks in the Village of Montgomery water system occur within this subdivision. This led the Village to retain EEL to perform a cost-benefit analysis to identify the areas that would most benefit from repair due to projected breaks and associated repair costs.

The completed report was submitted to the Village and Oswego Township Highway Department so that an improvement program could be coordinated with the street program and jointly funded with the Village. The first phase of the program was 1,100 lineal feet of 8 inch diameter water main along Whitney Way.

Work included reconnecting residential and business services, removal and replacement of parkway trees; boring services to eliminate excess pavement removal and replacement; abandonment of existing water main; and restorative construction of area pavement, sidewalks, curb and gutter, driveway aprons, and landscaping.

Close program coordination and cooperation with the Oswego Township Highway Department and local residents was crucial. Numerous public meetings prior to construction were held and frequent contact was made with residents by field personnel throughout construction.