

Fast Track Water Main Design Hits Home for Lake Forest and its Residents

30-day fast track design

A 40-year old, undersized water main in the City of Lake Forest was experiencing a higher than normal occurrence of breaks. RJN Group, Inc. was contracted to complete the design of 4,800 linear feet of 8-inch and 12-inch water main in 30 days. This “fast track” design would allow the City to construct the project prior to the winter season, which would reduce maintenance costs, breaks, and disruptions to service.



The City required minimal disruptions to the residents, landscaping, existing mature trees, and water main services. Keeping with those requirements, the RJN design team examined several different methods of water main construction (open-cut, directional drilling, and auguring) during the design phase.

Engineering services for this project consisted of field surveying and water main design including project plans, specifications, and bidding documents.



Because of the commitment of the RJN design team to the quality and timeliness of the project deliverables, the City was enabled to upgrade the existing water main prior to the winter season, which will reduce maintenance costs and water main breaks in this area. RJN was also selected as the Resident Engineer for the construction phase.