

WATERMAIN REPLACEMENTS AND UPGRADE, TEWKSBURY, MA

Client: Town of Tewksbury, MA

Project Manager:

Daniel J. Coughlin, P.E.

This Project Summary actually represents three different water main replacement projects in different areas of the town over a two year period. Each involved the survey, design, preparation of plans, specifications and bid documents as well as full construction inspection and management services. Mr. Coughlin completed these projects prior to forming CES. South Street involved 8" and 12" DICL pipe installed for 3800 feet along a narrow roadway which was the only access to an are of 500+ homes and business along the Shawsheen River. Anthony Road involved about 3200 feet of new 8" DICL watermain, and Roger Street involved almost a mile of new 8" DICL watermain in a shallow groundwater and ledge prone area of the Town. Mr. Coughlin Managed and coordinated all aspects including permitting and funding coordination.

Additional pavement restoration and drain/culvert work were also added to the projects while under construction. Mr. Coughlin provided all plans, specifications, permitting and solicitation services to allow this work to be expedited during and immediately after the water main construction. Culverts involved twin 4' x 5" box culverts with headwall and 12' and 18" RCP. Roadway reclamation and paving were also added to the Anthony and Roger street projects.

The total value of proposed facilities was over \$700,000.



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