

**OWNER'S PROJECT MANAGER  
TEWKSBURY SEWER SYSTEM EXPANSION, TEWKSBURY, MA**

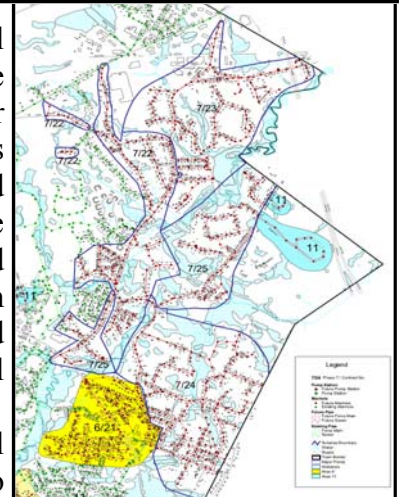
**Client:** Board of Selectmen, Tewksbury, MA

**Project Manager:** Daniel J. Coughlin, P.E.

Prior to and after forming CES, Mr. Coughlin performed the task as Owner's Project Manager for the town-wide expansion of the Tewksbury Wastewater Collection System which was being designed and managed by CDM, of Cambridge, MA. This \$100 million multiple contract sewer expansion project spanned over seven years and often had several construction contracts with several different contractors, all running simultaneously. This project involved the design, bidding and construction of about a dozen municipal wastewater pump stations, over ninety-five (95) miles of gravity sewer and forcemains including the installation of several grinder pumps. The project involved five phases of work and more than a dozen individual contracts. As the Town's Project Manager, Mr. Coughlin provided independent review and oversight of the design engineer's work including periodic construction inspection activities. Peer design review services were also included and design optimization and value engineering were provided helping to control and reduce costs for the expansion effort.

Special construction concerns for this project involved the general management and coordination of the various contractors and contracts to ensure proper traffic routing, various utility upgrades including several miles of water main, localized drainage improvements, coordination with public utility upgrades and the implementation of a roadway surface improvement program together with Chapter 90 roadway upgrades. Private resident coordination, public meeting presentation and dispute resolution were also conducted to reduce project impacts and litigation.

The total value of proposed facilities was over \$100,000,000.



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