

Water System Expansion

Client / Location

Tiverton Water Commission / Tiverton, RI

Services Provided

- Feasibility study of potential public water customers in the town
- Design of expanded water system
- Creation and successful implementation of a Voter Information Program to secure approval of a Farmers Home Administration Loan
- Successful application to the RIDEM and the state Water Resources Board for \$944,000 in grants
- Hydraulic analysis of the proposed system to determine the best location for the million-gallon storage tank



1,000,000-gallon storage tank in Tiverton, RI

Project Value

\$1.7 Million

Reference

Mr David Raposa, Tiverton Water Commission
(401) 624-8432

In response to groundwater contamination of local wells, the Town of Tiverton, RI contracted with Siegmund & Associates to prepare a feasibility study for the expansion of the municipal water system. Approximately 20 percent of the town is serviced by private water companies; the remaining households in the town were the focus of this feasibility study. The result was the design of a water system with the following components:

- 1 million-gallon water storage tank
- 80,000 linear feet of 12" transmission line
- 20,000 linear feet of 8" distribution line

The total estimated construction cost is \$4.5 million. Actual installation of the storage tank and 20,000 linear feet of transmission and distribution line has occurred. Siegmund & Associates provided construction supervision services for the project.

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