

Water Improvement Project

Client / Location

North Tiverton Fire District / Tiverton, RI

Services Provided

- Replacement of asbestos cement and non-lined cast iron pipe with 9,000 feet of transmission main
- By-pass service during construction
- 1,000 gallon per minute booster pump station
- Two metering vaults
- Two pressure reducing valve stations between the North Tiverton high pressure and low pressure zones



North Tiverton, Rhode Island

Project Duration

2003 –2005

Project Value

\$3.2 Million

Reference

Jim Donnelly, Moderator
(508) 679-2295

The North Tiverton water system improvement project was a multi-contract program needing acute coordination of timing and scheduling to ensure that there was no interruption of water service to the district. Some of the major components of the program were as follows:

- 5,300 feet of 16" transmission main
- 3,500 feet of 12" transmission main
- Temporary by-pass to maintain service during construction
- Two metering facilities
- Pressure reducing chambers
- Chemical feed facilities
- New 1,000 G.P.M. booster pump station
- Design & construction of a new 2,000,000 gallon concrete standpipe tank
- Painting of an existing 1,000,000 gallon steel standpipe

Siegmund and Associates engineers designed this intricate improvement system and had full responsibility for the project administration, coordination with federal and state funding agencies and on-site construction inspections. Siegmund and Associates was also responsible for the development of public participation programs consisting of preliminary engineering reports, environmental reports, workshops and public hearings.

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