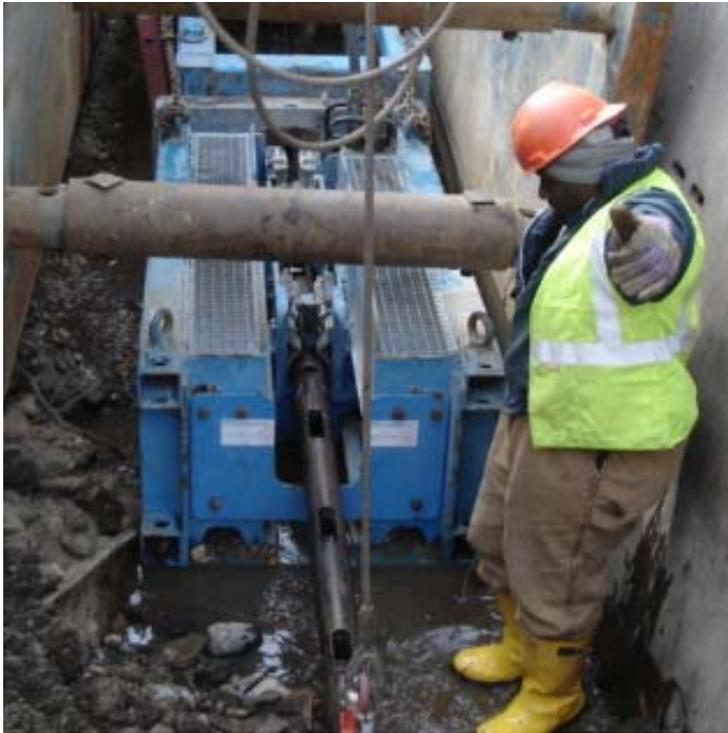


# Pipe Bursting of New England<sup>SM</sup>

*The Cost Effective Alternative to Open-Cut Pipe Replacement*



## Town of Hudson, MA

### Project Summary

#### APPLICATION

- Raw Water Supply
- Cement-Lined, Concrete-Encased 12"
- Located in Wetlands Area

#### SOLUTION

- 4,400' x 14" HDPE
- 10 Installations — the Longest Pull
- Constructed in 12 Weeks
- Completed March '07

The Town of Hudson was faced with the challenge of replacing 4,400 feet of steel raw water supply piping that was installed in 1884. A unique challenge was the cement-lined, concrete-encased, and riveted steel pipe construction. The pipe had been repaired several times and was nearing the end of its useful service life. The route of the pipe began at Gates Pond, traveling through wetlands areas, under roadways, near homes and parallel to an 18" cast iron water supply pipe.

Replacement of the pipeline by the traditional excavation method would have resulted in disruption to residents, extensive permitting requirements, and a longer period of time for excavation, replacement and restoration of roads, wetlands, and landscaping. In addition, any service disruption of the existing 18" water feed would have been problematic.

The Town determined that utilization of the static method of pipe bursting was the most reliable and cost effective solution. The experience of **Pipe Bursting of New England<sup>SM</sup>** and utilization of uniquely featured equipment provided by TT Technologies, Inc. combined to overcome the challenges of splitting the encased steel pipe and breaking through several heavy repair clamps. Additionally 1,300 feet of original 12" pipe was upsized to 14" diameter HDPE.

The selected method resulted in a shorter schedule and less disruption to the public and the environment. The project was completed in 12 weeks, much less that the estimated 4 to 6 months for traditional excavation, replacement and site restoration.