

# BERLIN WATER MAIN REPLACEMENT BERLIN, NEW HAMPSHIRE

**SFC Engineering Partnership, Inc., (SFC)** was retained by the City of Berlin and Berlin Water Works to design approximately 41,000 linear feet of water main in selected streets throughout the city. **SFC** conducted detailed field surveys of the streets involved. Utility information was obtained from utility owners, and was used to develop base maps for the project. **SFC** also provided construction administration and resident engineering services. **SFC** worked closely with Water Works and city staff to obtain existing conditions data, and to develop the design of the proposed facilities, assuring that final design remained in accordance with the City's requirements.

Project challenges included the presence of large quantities of ledge close to existing utilities and structures, creating the need to document pre-construction conditions. In addition to the usual above ground pre-blast and pre-construction surveys, all sewers and drains were inspected internally and their condition documented by videotape before and after construction. This allowed the City of Berlin an opportunity to replace damaged lines economically while the contractor was actively working in the street. Documentation also protected the contractor from owning repair costs for any pre-existing utility damage.

## REPRESENTATIVE PROJECTS

**OWNER**  
City of Berlin, NH & Berlin  
Water Works

**CONTACT**  
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### SCOPE OF SERVICES

- Surveying
- Civil Engineering
- Bidding Assistance
- Construction Administration
- Resident Engineering Services

