



Dufresne Group (DG) provided engineering services for design and construction of the Highland Avenue Improvements project, which consisted of:

- Replacement of an aging 4-inch cast iron water main installed in 1898 with 2,630 lf of new 12-inch ductile iron water main with conversion from low pressure zone to the high pressure zone.
- Installation of approximately 400 lf of 8-inch ductile iron water main to create a low pressure zone loop.
- Replacement of two 6-inch pressure reducing valves with two new Cla-Val pressure reducing valves.
- Replacement of approximately 1,030 lf of asbestos-cement sewer main with new 8-inch PVC sewer main.
- Rehabilitation of approximately 1,210 lf of 8-inch asbestos-cement sewer main with cure-in-place-pipe (CIPP).
- Replacement of approximately 330 lf of storm drain with new 18-inch HDPE storm drain.
- Full-depth road reclamation & reconstruction for approximately 2,280 lf of Town road.
- Replacement of approximately 320 lf of concrete sidewalk and granite curb.
- Significant intersection redesign at Barnumville Rd and Main St. to improve safety.
- Parking lot reconstruction in the historic Depot District with new concrete sidewalk, granite curb, reinforced concrete retaining wall, decorative stamped & colored concrete surfaces, landscaping and lighting improvements.

KEY FEATURES

- Conversion from low pressure zone to high pressure zone. Improved water service and fire flow to customers.
- Use of CIPP for rehabilitation of asbestos-cement sewer main eliminating open trench replacement and reducing the project cost.
- Construction phasing and scheduling to minimize impact to business in historic Depot District.
- Full width road reconstruction with reclamation, improved subbase, and regrading.
- Identification and removal of contaminated soil during parking lot reconstruction.
- Coordinated with the Contractor and Town to minimize traffic detours throughout construction.