

PROJECT:

Renewal of drinking water mains near Gillette Stadium



CHALLENGES

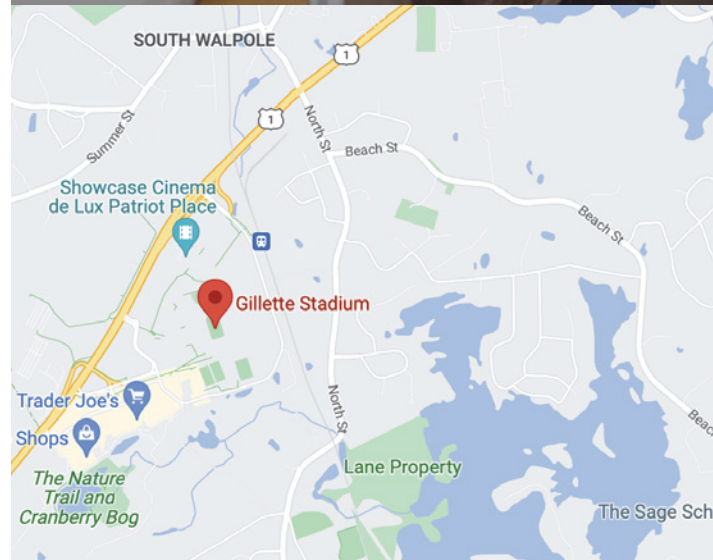
Important work had to be done to picturesque Beach Street's water mains in 2018, but as the playoffs were quickly approaching, it became even more important to maintain the access to the stadium. In addition, the street runs right next to the Neponset Reservoir, resulting in saturated soils which complicates the dewatering of trenches required when replacing pipes.

BACKGROUND & SOLUTION

The Town of Foxboro had the foresight to develop a long-term asset management plan to renew its water infrastructure, since the renewal of drinking water mains can be expensive and requires strict decontamination protocols.

Since Beach street connects the west side of Foxboro to Gillette Stadium, where the New England Patriots NFL Team plays, the road needed to remain open throughout the project. Social impacts related to the 80 homes in the area needed to be reduced to maintain happy residents.

The Town worked closely with ALTRA's experts to renew the mains from the inside, and implement its innovative water technology, a less costly, less disruptive, more



WATER MAIN RENEWAL

Project location: Beach Street, Foxboro, MA - Between Mechanic Street and North Street

Project size: 10,000 feet of 12" diameter asbestos cement pipe

Project Date: Mid-October to End of November 2018

environmentally friendly solution, and maintained critical access to Gillette Stadium throughout the project.

It has been calculated that for each mile of renewed pipe, the ALTRA water technology reduces GHG emissions by 378 tons or 84% per rehabilitated mile of water main, compared to traditional open cut replacement. That amount doesn't even include the GHG savings due to traffic detours and increased vehicle idling during a typical open cut, especially on game days.

100
YEAR
LIFESPAN

25%
LESS EXPENSIVE
than traditional
methods

**EARTHQUAKE
RESILIENT**
proven by
Cornell University

Will not
BRAKE
Will not
CORRODE



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CERTIFICATIONS



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PROVEN SOLUTIONS