



TOWN OF FRAMINGHAM
DEPARTMENT OF PUBLIC WORKS
FRAMINGHAM, MASSACHUSETTS 01702

*"Dedicated to
Excellence
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Pleasant Street Water Transmission Main Replacement

PROJECT OVERVIEW

The Pleasant Street Water Transmission Main Replacement is a key element of the Genzyme Infrastructure Support Program, providing water and sewer improvements in and around the Framingham Technology Park (Tech Park) area. The work is funded by the Massachusetts Life Sciences Center and is intended to provide for increased demand from the recently expanded Genzyme Facility. The new water main, when completed, will provide a second route for water through Tech Park to the largest distribution system within the Town. This second route will not only serve to provide water feed redundancy to the Tech Park area, but it will also provide redundancy for the general Town distribution system.

The project will include a 700-foot long segment that will be installed using horizontal directional drilling (HDD) technology to pass under Stony Brook, the main spill-water channel for surface water releases from MWRA's Sudbury Reservoir Dam into Foss Reservoir. At the same time, this pipe will pass well under twin 24-inch diameter gas transmission mains of the Tennessee Gas Pipeline Co. In all, 1,100 feet of the water main, including 300 feet of the HDD piping, will be located along Pleasant Street (Route 30) in Framingham. Another 1,700 feet of water pipe will be installed in Southborough, where Route 30 is called Boston Road. Of the 1,700 feet of water main, 250 feet will run through an easement provided to the Town by Genzyme along its private road frontage on New York Avenue in Southborough. The New York Avenue water mains (both new 20-inch diameter ductile iron pipes) will be connected at the town line, creating an overall 2-mile long "loop" of large-diameter water feed mains into and through Tech Park.

Where the water main in Boston Road will pass under the crossing of Roaring Brook in Southborough, the project will include replacement of an old 3-foot by 6-foot stone masonry box culvert with a similar-sized precast concrete box culvert, in accordance with MassDOT Highway Division Design and Construction Standards.

Most of the work will be outside of residential areas. With heavy daytime traffic on Route 30, the Town will consider night construction in these remote areas. Daytime work in the Framingham residential area along Pleasant Street will be limited to the timeframe between morning and evening rush hours.

PROJECT SCHEDULE

Construction is expected to begin in mid-summer and be completed by late spring 2012. Installation of the box culvert crossing Roaring Brook in Southborough must occur during the dry season from mid-July through late September. The HDD work is located off-road and is not weather-dependent, so it may be constructed during the winter. Most of the construction in the roadway must be completed in November before asphalt plants close for the season limiting trench repairs and paving. Overlay pavement of Route 30 will most likely occur in the spring to allow for trench settlement.

PROJECT STATISTICS

- 2,800 feet of new 20-inch diameter water main, of which 2,100 feet will be direct-buried and 700 feet will be installed by horizontal directional drilling methods
- Replacement of 45 feet of 72-inch wide x 36-inch high box culvert under Boston Road at Roaring Brook crossing

**FRAMINGHAM MA
DPW PROJECT MAP**

**PLEASANT STREET
WATER TRANSMISSION
MAIN PROJECT**

PROJECTED WORK

MAP LEGEND

-  Projected Work
-  Roadway
-  Town Limit
-  Parcels
-  Buildings
-  Water Body

