



Department of Public Works

WATER SYSTEM IMPROVEMENT PROGRAM PROGRESS REPORT FOR FISCAL YEAR 2016

The former Board of Water Commissioners, now the Water Advisory Board, after a competitive process, selected Weston and Sampson Engineers, Inc. to perform a comprehensive evaluation of the water distribution system which serves the Town. The primary focus of the study was the water distribution system and its: age, condition, chronic water main break events and persistent water quality concerns. The study concluded that considerable work was necessary to correct problems and deficiencies and to ensure a continued supply of safe, clean drinking water to our customers with adequate quantities of water for fire protection both now and into the future. To achieve these goals, Weston and Sampson recommended that all unlined cast iron water main be replaced with a new, larger diameter, cement lined ductile iron pipe. Unlined cast iron pipe comprised approximately 41% of the system which serves about 60% of the population of Belmont. Considering system wide pipe age and condition and economic factors, it was recommended that this work be done in increments with a completion date 30 years after commencement. This plan was approved and initially funded by the 1995 Town Meeting. The 30 year plan is known as The Water System Improvement Program. This program is guided by a 20 year capital plan and currently funded with a combination of utilizing the Massachusetts Water Resources Authority (MWRA) Local Pipeline Assistance Program (LPAP), Local Water System Assistance Program (LWSAP), which both are no-interest loan funds, Municipal Bonds and an annual budget appropriation.

The Department of Public Works Water Division is pleased to present this progress report of program:

Fiscal Year 2016 – “Clifton Street, Bartlett Ave, Winslow Road, Palfrey Road”

Bid Opening: September 3, 2015

Status: Under Construction

Contract Award: Cedrone Trucking Inc

Contract Length: October 2015 – August 2016

Construction Contract Bid: \$1,299,766.48

Program Final Cost: Currently Under Construction

Extent: Clifton Street: Beatrice Circle to Rutledge Road
Clifton Street: Rutledge Road to Rockmont Road
Clifton Street: Rockmont Road to Prospect Street
Bartlett Ave: White Street to Harriet Ave
Winslow Road: Hammond Road to Palfrey Road
Palfrey Road: Gilbert Road to Common Street
Payson Terrace: Payson Road (East) to Payson Road (West)
Glendale Road: Common Street to Orchard Street
Winter Street: Concord Ave to Country Club Lane

Fiscal Year 2016 – “Clifton Street, Bartlett Ave, Winslow Road, Palfrey Road” water main project when completed, will replace approximately 8,600 linear feet of unlined cast iron pipe with new 8,10 and 12 inch ductile iron cement lined pipe along with 22 new fire hydrants, 91 isolation valves and the transfer of 180 water services and abandonment of existing water mains and all appurtenant work within the project limits.

Since the inception of the Water System Improvement Program in 1995, approximately 25.52 miles of water main will have been replaced after the completion of the FY16 project by larger diameter ductile iron cement lined pipe with a service life expectancy of about 100 years. The Water System Improvement Program is intended to replace and upgrade 38 miles of water main out of a total of 91 miles of pipe.