

Articles 2 & 15
November 7, 2011 Special Town Meeting
Appropriate for Sewer Pump Station – Reservoir B



Existing Sewer Pump Station – Reservoir B

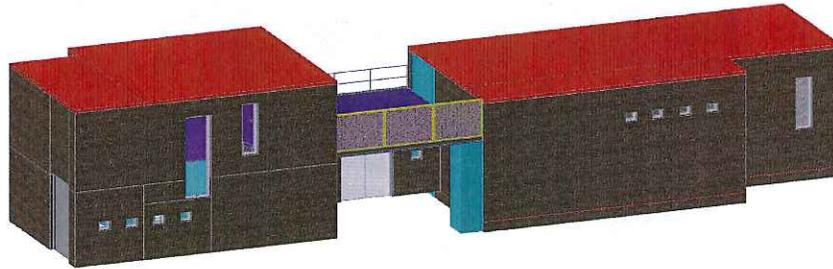
The existing Reservoir B Pump Station Facility is located at 274 Reservoir Street in Needham and has been in operation since 1947. The Station is past its useful life and is proposed to be demolished and a new station constructed. There is simply no room within the existing structure to upgrade and replace the system's components, and the existing wet wells are inadequately sized for the current and projected wastewater flows. Moreover, the structure is noncompliant with current environmental regulations and code requirements. When the station was constructed in 1947, the building was set back 32 feet from Reservoir Street. When Route 128 was laid out in 1953, the layout of Reservoir Street was also changed, resulting in the existing structure's being located within the current layout of the Street.

The site is bordered by the Charles River and is constrained by wetlands and floodplain areas. The existing station must remain in operation while the new station is being constructed, and the new station must fit into the land area between the existing station, adjacent wetlands, floodplain area (Charles River) and the existing roadway. As a result, under Article 2, the Town Meeting will be asked to alter the layout of Reservoir Street in order to accommodate the construction. The transaction will amend the layout on file with the Registry of Deeds, but will not impact the road structure itself.

The Reservoir B Station suffered a catastrophic failure in late 2010 and portable pumps had to be brought in to operate the station until temporary repairs could be made.

The existing station is currently operating on refurbished pumps until the new station can be constructed. The existing station is at its maximum capacity and is incapable of pumping any more sewage from new developments.

If the pump station is not replaced now, it will need to be funded eventually, probably at higher expense, especially if replacement is forced because of a complete failure. The replacement of the existing pump station will better allow the desired build-out of the New England Business Center. This is a planned replacement of the pump station, which has been included in the Town's Capital Improvement Plan.



Proposed Sewer Pump Station

The new Reservoir B Pump Station will have a utilitarian functioning environment of approximately 5,000 s.f. (the existing station is approximately 600 s.f.) and will be capable of handling sewage from the proposed future development from the Needham Business Center. Pumping Station construction will commence in December 2011 at a cost of \$6.3 million. The design, permitting (except for the building permit), and bidding of the contract phase has been completed. The new station is expected to be completed by June 2013.

The project will be financed through the issuance of bonds; most of the project will be financed through a State program administered by the Massachusetts Water Pollution Abatement Trust (MWPAT) which provides low interest subsidized financing for sewer projects. The portion of the project cost that is not eligible for financing through the MWPAT (engineering and design and other owner costs) will be financed by general bond issues. The debt service costs for this project will be supported by the Sewer Enterprise Fund and not the general tax levy.