

ANNUAL TOWN MEETING WARRANT

ARTICLE 38

Appropriate for Sewer Enterprise Fund Cash Capital

Article Information for Sewer System Rehabilitation I/I:

The Town of Needham, along with numerous other communities, is under Administrative Order from the DPE to identify and remove Infiltration and Inflow (I/I) in existing sewer systems. Infiltration is defined as groundwater or storm water runoff that enters the system through deteriorated pipe or manhole structures. As a result of this order, I/I studies have been undertaken to determine the locations and volumes of I/I entering the sanitary sewer system. This analysis has identified, by flow measurement, the areas of the collection system which are contributing high volumes of I/I to the system. On the basis of volumes of flow and knowledge of local sewer system overflows or basement flooding, an order of priority has been established to determine the scheduling of the engineering, design and remediation work. The highest priorities relate to location of known surcharging with sewage overflow or release or basement flooding. The remediation proceeds in stages starting with preliminary engineering, followed by rehabilitation design and concluding with rehabilitation construction. Project funding is intended for preliminary engineering for Area 16, design for Area 11 (Infiltration) and Area 19-1 (Inflow).