

## **2021 Infiltration Rehabilitation Project**

The Town of Dedham Engineering Department is pleased to announce that the 2021 Infiltration Rehabilitation Project is now complete. The project began in January 2021 and was completed on December 31, 2021. The project was designed to remove an estimated 112,500 gallons of infiltration per day exclusively through trenchless technologies. The project involved the installation of about 4,600 linear feet of cured-in-place pipe (CIPP), about 9 linear feet of short liners, rehabilitation of about 640 vertical feet of sewer manholes, and lateral lining of 8 private property service connections, as well as testing and sealing of associated joints and services and manhole and sewer line root treatment. The cost of the project was approximately \$562,000.

This work was performed under an on-call service contract and a private infiltration removal contract both with National Water Main Cleaning Co. of Canton, MA.

The design of this project and associated contract bidding and award was performed by the Town of Dedham Engineering Department. In addition, the Engineering Department performs all resident inspection and contract administration in-house.

Most of the repairs performed under this contract are trenchless, meaning that no open cut excavation is required. Trenchless repairs are accomplished by inserting specialized equipment and liner materials into the sewer pipes through existing manhole access points. A few of the lateral liners required open cut excavations to adequately line the laterals.

This project is a continuation of the ongoing Inflow and Infiltration reduction program.