

2008 Infiltration Rehabilitation Project

The Town of Dedham Engineering Department is pleased to announce that the 2008 Infiltration Rehabilitation Project is now complete. This project was designed to remove an estimated 1.4 million gallons of infiltration per day exclusively through trenchless technologies. The project scope included testing and sealing 48,356 linear feet of sewer main, testing and sealing 557 service connections, installation of 21,867 linear feet of cured-in-place pipe (CIPP), installation of 1,146 linear feet of short liners, and rehabilitation of 3,252 vertical feet of sewer manholes.

Bids for the project were opened on February 15, 2008, and the contract was awarded to National Water Main Cleaning Co. of Canton, MA in the amount of \$2,046,954. The Contractor was issued a Notice to Proceed on March 24, 2008. The contract was substantially completed in December of 2008.

The design of the project was performed by Weston & Sampson Engineers, Inc. in close consultation with the Town of Dedham Engineering Department. The investigation and initial screening of all repairs was performed by the Engineering Department.

All repairs performed under this contract were trenchless, meaning that no open cut excavation was required. Trenchless repairs are accomplished by inserting specialized equipment and liner materials into the sewer pipes through existing manhole access points.

Funding

Funding Source	Amount
MWRA Loan/Grant	\$802,700.15
Sewer Fees	\$525,000.00
FY08 Inflow and Infiltration (Capital)	\$719,254.03
<i>Total</i>	\$2,046,954.18

The MWRA Loan/Grant program is provided to member communities by the MWRA to be used for infiltration related projects. Sewer Fees are the portion of the total permit fee for sewer connections which are paid to the Town to contribute to the reduction of I/I. The FY08 Inflow and Infiltration line is a capital budget funded out of the sewer rate.