

# Illicit Sewer Connection Survey and Remediation

## South River, Salem, Massachusetts (2007)

Investigated significant evidence of illicit connections observed at the discharge of the urban river (South River) to Salem Sound. Project involved field sampling and analysis of South River discharge, field investigations and mapping of adjacent and upstream sanitary and stormwater infrastructure within 1,300 acre catchment area, sampling and dye testing of drainage infrastructure to narrow down the target study area, and sampling upstream until suspect source(s) were identified. Coordinated with City DPW and outside contractors to clean and CCTV inspect structures and pipelines as necessary to identify the suspect sources and relieve surcharge in sanitary sewer system. Completed follow-up sampling and analysis to confirm and document IDDE activities and success. Assisted City Engineering Department with progress reports.



**NEW ENGLAND CIVIL ENGINEERING CORP.**

120 WASHINGTON STREET, SUITE 202E, P.O. BOX 3026, SALEM, MA 01970  
PH: 978.741.7401 - FAX: 978.741.7402 - WWW.ENGINEERINGCORPORATION.COM