



Case Study Category: REDW

Case Study Title: Expand in Place PVC Lining Applied to Small Diameter Water Main in Washington, D.C. Area

Utility Name: Washington Suburban Sanitary Commission (WSSC)

Case Study Abstract: The Washington Suburban Sanitary Commission (WSSC) faces a set of unique challenges associated with the high profile nature of their service area and the density of their underground infrastructure. The Commission has thus far resisted the transition to plastic pipe because of their success with other materials and therefore has very little plastic in their system. In fact there is only about 10 miles of PVC in the system and 0 miles of HDPE. In one pilot project, however, WSSC used a deform/reform PVC liner to rehabilitate a small diameter cast iron waterline. This case study provides a background of the utility as well as the product used; it then outlines the experience that WSSC had with the product including its overall benefits, limitations, and lessons learned through experience.

Case Study Link: <http://waterid.org/content/expand-place-pvc-lining-applied-small-diameter-water-main-washington-dc-area>