

## MSD Fishpot Crossings

St. Louis County, Missouri

The Metropolitan St. Louis Sewer District (MSD) was in the process of planning and building the Fishpot East Sanitary Relief, a new sanitary sewer system that would cross Fishpot Creek and its tributaries at 11 locations in the Fishpot Creek Watershed. Intuition & Logic was selected by MSD to provide the design of sewer line protection at each of the crossings.



Intuition & Logic was able to develop the final designs and necessary construction documents at a substantial cost savings to MSD because we had already performed a geomorphic analysis and preliminary engineering design as part of the Fishpot Creek Watershed Analysis, funded under Section 319 of the Clean Water Act. With almost all the pertinent field data already gathered and the preliminary design and analysis complete, we could go straight to the development of final design and construction documents.

The final design of the sewer crossings effectively protected the sewer lines without causing damage to the stream system upstream or downstream of the crossing. In addition, the sewer crossing designs performed the dual function of preventing channel incision and managing stream energy to prevent the sewer lines from being unearthed after several years of high-energy stream flows.

