



## HURLFORD TRUNK SEWER — IRVINE VALLEY SEWER RENEWAL

A partial river bank collapse of the River Irvine at Hurlford displaced a section of the 600mm diam sewerage trunk main laid in the bank. This displacement caused a major pollution incident in the river with the potential for a serious pollution occurrence to the bathing water in Irvine. Despite various temporary repairs to this remote and quite inaccessible damaged pipe length, the pipe continued to choke and cause major problems to the new upstream CSO.



GL's CCTV investigation and innovative Design and Build solution warranted the construction of a 200m long x 1200mm diameter piped-jacked micro-tunnel sewer diversion, upstream of the slip, across the nib of land formed by the river's oxbow-shaped meander.



This by-pass removed an unstable length of river-bank sewerage trunk main, avoiding the potential for further pollution incidents. Existing tails were intercepted and transferred to a new collection manhole.



<b>CLIENT:</b>	Scottish Water
<b>ENGINEER / DESIGNER:</b>	Aecom
<b>CONDITIONS OF CONTRACT:</b>	Design & Build NEC Option C
<b>DURATION OF WORKS:</b>	September – December 2013
<b>CONTRACT VALUE:</b>	£987,000

### Effective and regular liaison and communication:-

- The works were on the bank of the River Irvine and on private farmland
- The appropriate CAR Licence and approvals were obtained from SEPA
- Stakeholder involvement with
  - SEPA
  - East Ayrshire Council
  - Landowner & Farmers
  - Tenant farmers
  - Network Rail for adjacent viaduct