

## MICROTUNNELLING AT A467 ROAD CROSSING, RISCA, NEWPORT, SOUTH WALES

Client:

**Thames Water Utilities**

Summary:

Upsizing of sewerage network to reduce flooding.



Completed Curved 1800mm ID Tunnel (viewed upstream)



VMT Guidance System within Backacter

## PROJECT DETAILS

### MICROTUNNELLING

The Main Road area of Sidcup, London suffered from periodic flooding due to the size of the existing sewers, Thames Water Utilities Ltd commissioned a scheme that involved upsizing of the sewerage network to alleviate this problem.

The Main Contractor, Dean and Dyball undertook the opencut works and appointed A E Yates Trenchless Solutions Ltd to undertake the following specialist works:

- 2No sheeted drive pits for backacter and guided auger.
- 1No 4.0m ID x 6m deep caisson reception pit.
- 2No 300mm id guided auger crossings - 58m + 10m.
- 2No curved 1800mm id pipe jacked backacter drives - 100m each from a central drive pit.

### GROUND CONDITIONS

- Predominantly firm clay with occasional silt and sand lenses.