



## GUIDED AUGER BORING AT PADDINGTON NEW YARD, LONDON

Client:

**Crossrail**

Summary:

Remodeling works of the Paddington  
New Yard



### PROJECT DETAILS

#### GUIDED AUGER BORING

The Crossrail project involves some major remodeling of the Paddington New Yard which is adjacent to Paddington Station, London. The existing Thames Water sewerage network is affected by the new railway and requires diversion along a new route. The Principal Contractor, Costain, approached A. E. Yates Trenchless Solutions Ltd to assess the various different methods to install the pipes to form the new gravity sewer. The most feasible and cost effective option we provided was to use our Bohrtec BM600 guided auger boring machine.

The working areas were very restricted and confined by a new RC retaining wall for the low level Crossrail tracks on one side and the A40 flyover on the other. The drive and reception pits were pre-piled and framed excavations approximately 5m deep. Using our BM600 machine we installed DN600 steel banded concrete jacking pipes over four individual spans totaling 300m. We constructed the permanent manholes, backfilled the excavations and removed the ground support systems.

#### GROUND CONDITIONS

- Firm Dry London Clay

