

GUIDED AUGER BORING CASE HISTORY



Pipe Installation From Perco



Client: London Underground/Gleeson
Project: Guided auger boring, Kew, Surrey
Sub-contractor: Perco Engineering Services

We used our Bohrtec BM150DT guided auger boring rig to install a new cable duct under the live rail at Kew and Gunnersbury Underground Stations. The BM150DT was chosen for its ability to work from small diameter shafts and within pipes, and for its augering power.

Limited space between the railway and adjoining properties meant that we had very restricted access for the equipment; which was brought to site in pieces via the station ticket hall at night and then assembled on site.

We then sank a 1.5 metre diameter bolted segmental ring launch shaft on one side of the track and a draw pit for recovery on the embankment opposite.

15 metres of 300mm steel sleeving was installed in one shot and, after the augers were removed, plastic ducting was inserted in the sleeves and the cabling was pulled through by rope. After installation the launch shaft and recovery pit were converted into manholes to provide access for future maintenance or upgrades.

Guided auger boring is a key technique for installing Under Track Crossings (UTX) under railways as the track bed is not affected by heave or subsidence.

For more information regarding this project please contact our Sales Director Nick Sheehan on 01604 590200