

GUIDED AUGERBORING CASE HISTORY



Pipe Installation from Perco



Scope: Guided Augerboring
Project: Kings Road
Sub-Contractor: Perco Engineering Services

Perco were contacted by the client to propose a method to supply and install a 225mm pipe underneath a golf course on Kings Road in Audenshaw, Manchester. Perco had to install approximately 65m of pipe extending from a housing development, going underneath an unmade road and to an existing culvert. The pipe itself was to be installed at roughly 6-8 mtrs deep.

Upon site visit, Perco assessed the ground conditions and decided that 2 options were available, option 1 Pipe-jacking method installing a 1200mm diameter or option 2 guided auger boring.

Option 1 would be more expensive but eliminating risk

Option 2 high risk of failure to undertake the bore in one length due to cobble & made ground which could result in failure.

The client did not want to pursue the 1200mm diameter pipe jack option due to increased costs, so opted for the guided auger boring technique. During the piloting operations, Perco discovered that at 25 mtrs an obstruction was encountered forcing the pilot off line & grade.

A rescue shaft was constructed & Perco reset the auger rig to commence with the bore, more obstructions were encountered along the route however these were displaced to allow the works to be completed.

Client said "Working with Perco was interesting, they did point out the risks, so it goes to show that not always going for the cheaper option is right. We will always turn to Perco again for the next project".

For more information on augerboring or pipejacking contact the office on 0115 9335000.