

# GUIDED AUGER BORING CASE HISTORY

## Pipe Installation From Perco



**Client:** Baggaley Construction  
**Project:** Gravity Sewer Installation, Darley Dale, Derbyshire  
**Sub-contractor:** Perco Engineering Services

A timber heading and guided auger boring were used to ensure there was no damage to property or protected trees in a sewer installation at Darley Dale, in Derbyshire.

The project was at St Elphin's Park, an historic house which later became a boarding school. The property was being converted into a 126 home retirement village. Although invisible on the surface, trenchless technology played an important part in preserving the site's important architectural and environmental heritage.

The trees in the 44-acre grounds are a fully protected part of the site and any damage to their root systems had to be avoided.

Negotiating the building foundations, Perco dug a 1.5m-square pit inside the building and drove out a 10m, timber-built heading to connect with a new 2m-diameter shaft in the grounds. New sewer pipes were then installed and the heading back-filled using structural foam.

Perco installed a 2m launch shaft for a guided auger bore shot to an existing

manhole. The auger bore shot encountered some very old, unrecorded foundations but succeeded in installing 55m of Naylor Denlock clayware drainage pipes at 225mm diameter. A blank end on the pipe kept the new pipe clear until the main contractor could complete the sewer connection at a later date.

**For more information regarding this project please contact our Sales Director, Nick Sheehan on 01604 590201**