

Newark Welcome Break - A1

Efficient design and operational excellence for a sheet piling job close to home

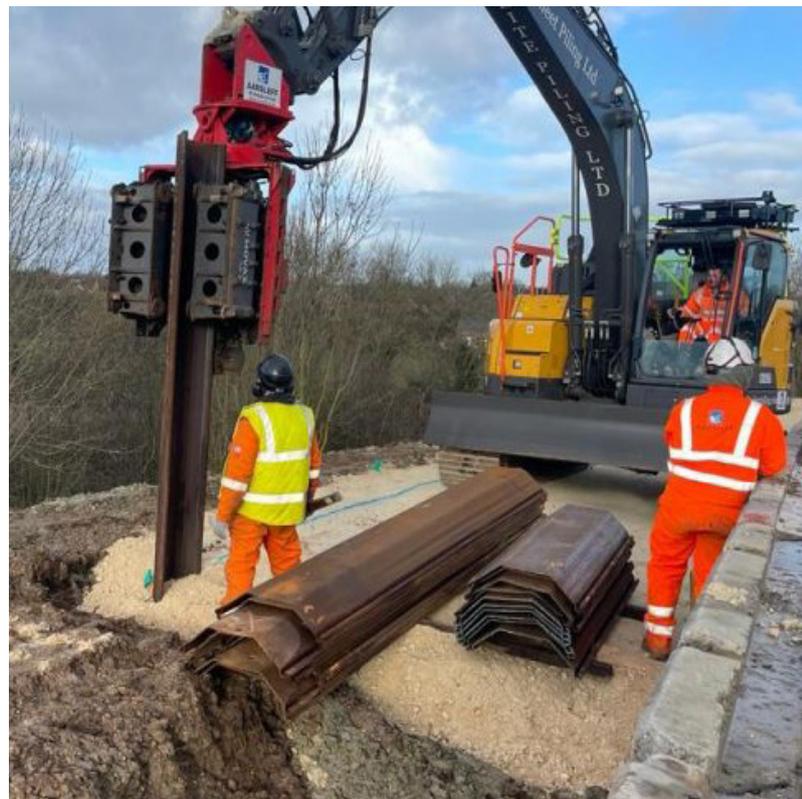
Newark, Nottinghamshire is situated on the route of the ancient Great North Road, the A1 provides a north-south link, and the A46 provides the east-west link. From Newark North Gate railway station, the LNER provides essential connections to London, Newcastle upon Tyne and Edinburgh. Its strategic placement is one of the reasons Aarsleff Ground Engineering moved their main offices there in 1993.

The new Welcome Break to service the A1 rose concern among local residents as the entrance road is narrow and nearby a local school so is a well-tracked route by pedestrians. It was decided the road would be widened in order to facilitate a right-turn lane, reducing traffic build up and distance from turning vehicles to the pedestrian path.

Working for Welcome Break alongside Breheny Civil Engineering, Aarsleff were contracted to install 150 lin.m of retaining wall which was designed in house as a sheet pile retaining wall. We also designed localised bespoke buttress walls and waling beam system within the main conventional sheet pile wall in order to bridge an existing sewer. The solution appears neat from the bank side and ensures there is no disruption to the existing civil infrastructure of the road.

Aarsleff's team were due to be on site for three weeks but completed and demobbed in just over two, allowing for the civils work being carried out by Breheny to progress slightly ahead of programme also.

The new site is now open, servicing the A1 and Newark's population as well, with the road now widened to ease traffic and better ensure the safety of local pedestrians.



AARSLEFF

Data

- 150 l.m of sheet pile wall
- 2 x localised buttress walls and wailing beam systems

Client

Welcome Break

Type of contract

Design and build contract

Construction period

January 2023



Contact

Aarsleff Ground Engineering
info@arsleff.co.uk
www.arsleff.co.uk
Tel 01636 611140



AARSLEFF