

UTX PIPE RAM

NOVEMBER 2019

▶ 37m x 406mm Steel Pipe Ram

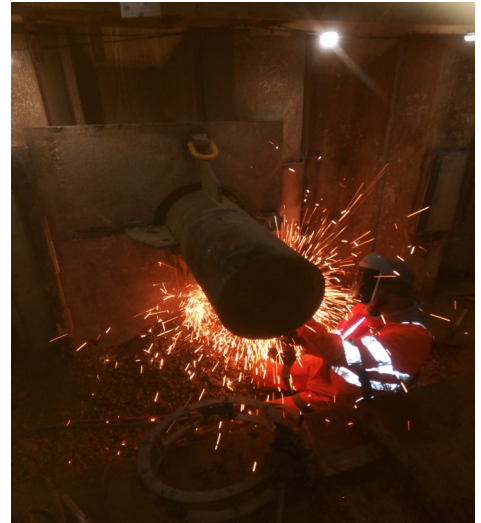
Scope

Supply and install 37m of steel sleeve for electric cables under the East Cost Mainline.

Project Details

AMS were initially contracted by the client to provide a quotation for the installation of a steel sleeve using the guided auger bore method. However, with the ground conditions being too hard for the 'standard' 3 pass system and too soft for the 'rock auger front steer', pipe ramming was then selected as the preferred method. The machine was set up within the launch pit on rails to the line and gradient required. The pipe ram system however is a non-guided method but with limited chance of ground heave as the spoil enters the casing internally.

On completion, spoil from inside the steel pipe was removed utilising one of AMS's auger bore machines with the auger flights to clean the very stiff and compacted ground and a vacuum jetting system to complete the final clean, Sub ducts were installed into the sleeve for the full length and the annulus between the sleeve and the ducts filled with grout.



Technical Summary

- Successful installation in challenging ground formations.
- Rail infrastructure sensitive
- Reduced risk of heave or settlement

