

# PIPE RAM

OCTOBER 2018

## 40m Road crossing for 323mm steel HP Gas main

### Scope

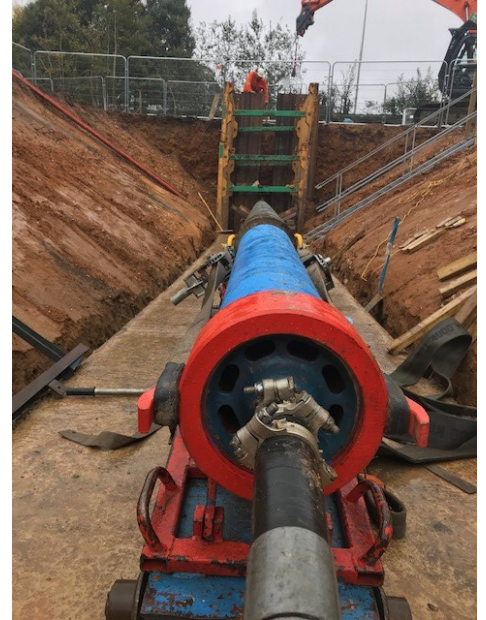
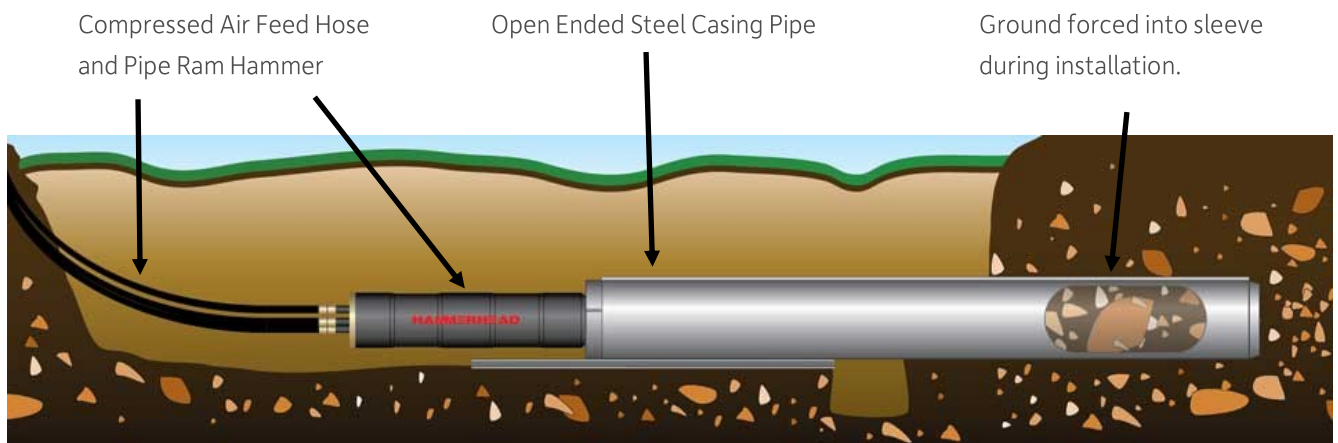
AMS were contracted to provide a solution for a trenchless crossing beneath an existing road. Following a review of the site and ground conditions it was clear that a pipe ram would be the preferred solution as the ground formations were not favourable for auger boring.

**Pipe Ramming was chosen as the most economical method capable of dealing with the engineering constraints and challenging geology. And the relatively shallow cover depth along with limited space available on site.**

### Project Details

The works comprised of the design and installation of a 323mm 12.9mm wall HP coated steel gas main beneath a major road, For a length of 40m. In order to install the steel tube the Pipe Ramming system imparts percussive force that drives the open ended steel tube through the ground, additional lengths of steel tube are then welded to the previous and the process continues. Once completed the ground left within the steel tube was removed using high pressure water jetting. The full installation was completed within just 5 shifts

### Pipe Ram Process



### Technical Summary

- AMS Provided the client with advice on the most suitable method of installation
- Unfavourable ground conditions
- Shallow depth of cover