

# OUTFALL PIPE RAM

MAY 2019

## ► 24m x 610mm Pipe Ram

### Scope

Supply and install 24m of outfall pipework from existing site to a headwall location on the banks of a river.

### Project Details

AMS were initially contracted by the client to provide a quotation for the installation of a gravity surface water outfall by Directional Drilling solution for a trenchless surface water outfall installation into the river. However, with the high risk of drilling fluid entering the river Directional Drilling was discounted as an option. Following a review of the site and ground conditions a pipe ram solution was selected as the preferred method of construction. The Pipe Ram system has the advantage of being a “dry” method, meaning zero risk of river pollution. In addition the steel pipe could be installed to essentially a dead end—without the need for a reception pit. On completion, spoil from inside the steel pipe was removed using a Vacuum Excavator, allowing the client to excavate and connect onto the installed pipe whilst constructing the outfall headwall.



### Technical Summary

- Early contractor engagement to develop **“Best Engineering Solution”**
- Environmentally sensitive
- High level of accuracy required for gravity outfall

