

# PIPE JACKING CASE STUDY

## Godmanchester Flood Defence Scheme



[www.pipejacking.org](http://www.pipejacking.org)

PROJECT	Godmanchester Flood Defence
CLIENT	Environmental Agency
CONTRACTOR	Terra Solutions Limited
TUNNELLING MACHINE	Herrenknecht AVN600
VALUE	£155,000



### PROJECT OVERVIEW

The overall project involved the construction of flood defences adjacent to the River Great Ouse at Godmanchester, Cambridgeshire. Part of these works included the installation of a pumping station outfall at Rectory Road PS which necessitated a trenchless installation across the A14 in gravelly – boulder soil conditions.

### DESCRIPTION OF WORKS

After an unsuccessful previous attempt to cross the A14, using auger-boring, by another contractor had failed Terra Solutions were asked to propose a solution to the requirement to install a 406mm ID PE rising mains 84m across the A14 carriageway and embankments.

Terra Solutions utilised their 600mm Herrenknecht AVN for the project. Both launch and retrieval shafts were constructed in advance before the 600mm installation was completed successfully and a PE rising main winched into place to finish the project.

### CO<sub>2</sub> SAVINGS

CO<sub>2</sub> savings of the pipe jacking element compared to open cut construction were 66% for the 600mm diameter drive. Source: [pipejackingco2calculator.com](http://pipejackingco2calculator.com)

FURTHER INFORMATION: [www.terrasolutions.co.uk](http://www.terrasolutions.co.uk)

