

# TIMBER HEADING CASE HISTORY



## Sewer Installation from Perco



**Scope:** Timber Heading  
**Project:** Pembroke college, Cambridge  
**Sub-Contractor:** Perco Engineering Services

The client contacted Perco when they had a collapsed sewer to overcome at a local community college in Cambridge.

Perco were able to carry out the assessment, surveying, design and implementation for the proposed work. The timber heading technique was chosen, as no access could be gained at the main sewer without the need for an excavation within the highway.

A launch pit was excavated to 5m depth to allow tunnelling to take place. Perco tunnelled 10m under Pembroke Street, to connect a new pipe to the

existing foul sewer.

The new sewer could have been undertaken via open cut technique however this meant months of road closures & disruption to the public, Perco assessed the work and came to the conclusion that the sewer should be installed using a timber heading, thus saving a total of 3 months work at a third of the original cost.

Due to the dramatic save of disruption and cost to the local area, BBC News featured these works in a news article which can be found at the link

<http://www.bbc.co.uk/news/uk-england-cambridgeshire-25848083>

Perco said "This method of tunnelling was suitable for the limited working space and busy roads above as it requires no large equipment and caused little disruption as possible to on-going traffic and surrounding college.

For more information on timber headings, please contact our estimating team on 01159 335000.