



PERCO. KEEPING THE WORLD MOVING...

trenchless solutions for land drainage





# PERCO. HELPING TO KEEP DRAINAG

NO POLLUTION, NO DISRUPTION. PERCO REHABILITATES CULVERTED WATER COURSES AND INTERCEPTORS FOR FLOOD ALLEVIATION.

Increasing rainfall and periods of heavy rain causing localised flooding has serious consequences for affected communities, making the need for land drainage to function effectively more important than ever.

Trenchless technology is the optimum solution for pollution-free rehabilitation, renewal and installation of culverts, storm drain pipelines and interceptors. Perco is the UK leader in trenchless technology. Its range of rehabilitation techniques minimises environmental impact, reduces cost and speeds up project schedules regardless of the condition of existing culverts or drainage pipes. Where new pipes or culverts are required and open-cut isn't feasible, Perco's expertise in trenchless pipe installation is second to none.



Installation of lateral connections inside a 1200mm ID pipe by auger boring as part of the Environment Agency's flood alleviation project in Lewes, Sussex.





Perco's Expandit pipebursting system upsized a 225mm pipe to 400mm. There was not one complaint from residents – amazing in view of how close the operations were to their homes and gardens

Doug Lancaster, Site Manager  
Clancy Docwra



## EcoCIPP™ lining

EcoCIPP is a self supporting, UV cured CIPP (Cured in Place Pipe) liner designed for use in culverts, storm drains and gravity pipes where existing flows need to be maintained. EcoCIPP's UV curing process is fast and pollution-free, eliminating the harmful, carcinogenic styrene emissions associated with hot water-cured CIPP liners. EcoCIPP's outstanding elasticity, flexural strength and water tightness make it perfect for use in badly damaged pipes and where future settlement is a concern.

## Slip lining

Where current flow capacities do not need to be maintained, existing pipes and culverts can be slip lined, extending their lives indefinitely. Slip lining is an economical technique where access is readily available. Slip lining can be carried out using continuously welded or Snapit™ segmental pipe sections.

## The benefits

Perco's experience in the land drainage sector and its wide range of trenchless techniques give drainage engineers many benefits. Perco works flexibly to meet client requirements and can operate on a sub-contractor basis or offer complete turnkey solutions including feasibility studies, scheme design, enabling works and reinstatement post works.

Unlike many other trenchless technology contractors, Perco can provide a range of techniques to meet different ground conditions, site access and land availability, meaning that we can give unbiased advice about the best solution for a given situation.

- Culverts and pipelines can be rehabilitated with minimal impact on the surrounding area
- Severely deformed and partially collapsed culverts and pipes can quickly be returned to fully operational condition
- Perco holds ISO9001 and is an Investor in People

# E FLOWING...

## Upsizing, renewal and installation

Perco has unrivalled expertise in trenchless pipe rehabilitation, replacement and upsizing. Our techniques are ideally suited to land drainage as they can be operated with minimal environmental impact or noise pollution, negating the need for newly quarried materials and reducing the volumes of waste for landfill to a fraction of open cut alternatives.



### Pipe cleaning and CCTV

We offer a range of pipe cleaning techniques including desilting, pigging, high pressure jetting and debris removal to return culverted water courses back to full capacity. We also carry out CCTV surveys and condition reports.

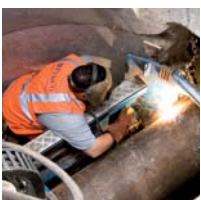


### Pipe bursting

Where existing gravity storm drain pipes or culverts need to be replaced or upsized, Perco offers a range of pipe bursting solutions capable of upsizing pipes from 75mm ID to 1200mm ID. Perco's miniburst, manhole bursting and Expandit™ techniques can be operated from existing manholes.

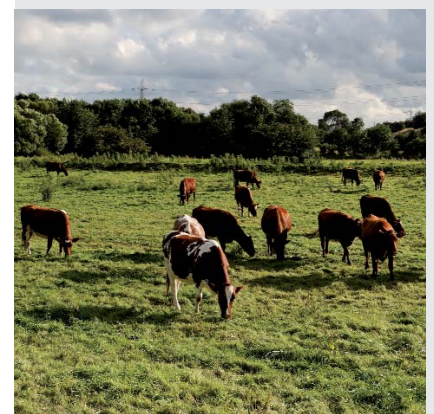
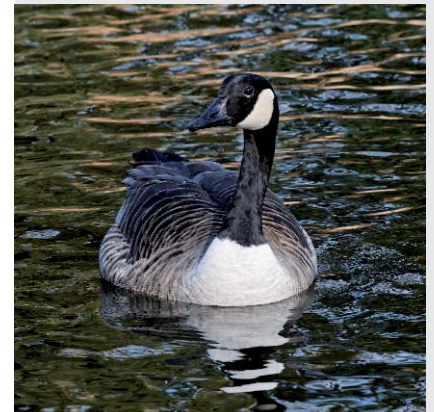
### Auger boring

Auger boring is ideal for installing gravity pipelines. Where absolute accuracy is required, guided auger boring routinely achieves tolerances of +/- 40mm in a 50 metre shot.



### Shaft sinking

We install shafts to facilitate pipe installation and for use as manholes and interceptors. Our specialist engineers can also install shafts under water in locations where the water table is very high.





## Complete turnkey solutions

At Perco we deliver complete turnkey solutions for every type of trenchless technology project. We provide advice and full scheme design, preparation of all necessary enabling and reinstatement works, installation, commissioning and ongoing maintenance.

Our approach to trenchless technology gives clients and contractors greater advantage and control over project completion schedules.

- P Auger boring
- P Directional drilling
- P Microtunnelling
- P Pipe bursting
- P EcoCIPP™ lining
- P PressureCIPP™ lining
- P Shaft sinking
- P Pipejacking & tunnelling
- P Pipe cleaning
- P CCTV

For more details on how Perco can help YOUR network please call:

**+44 (0)115 933 5000**

or visit: [www.perco.co.uk](http://www.perco.co.uk)



Perco Engineering Services Ltd  
The Old Nurseries, Nottingham Road, Radcliffe-on-Trent  
Nottingham NG12 2DU

Tel: +44 (0)115 933 5000 Fax: +44 (0)115 933 4692  
Email: [info@perco.co.uk](mailto:info@perco.co.uk) Web: [www.perco.co.uk](http://www.perco.co.uk)

