

# Specialist Drilling Services

- Health and Safety trained operatives and management
- Confined spaces trained site and management team
- CSCS scheme in operation for site and supervision staff

Carnon Contracting can provide a specialist drilling service for almost any situation. When South West Water came to us with the problem of installing a 250mm sewage outfall through a hole drilled from the top of a 90m cliff to a target of one metre below Mean Low water level we knew we had a challenge on our hands. A previous attempt by another company to drill the pilot hole had failed after 3 months.

We decided that a pilot hole would have to be drilled, using diamond drilling methods to ensure accuracy, and this hole (56mm in diameter) could then be reamed out to the required diameter (300mm) using a DTH drill. The diamond drill hole had to be continuously surveyed and wedged to guide it into position.

This challenge was successfully met and the outfall now serves the Perranporth area, in Cornwall. A similar method has also been used to install an outfall near Mevagissey, in Cornwall, and was also highly successful.

If you have a problem involving drilling speak to the people who can tailor a solution to meet your needs.

*Chadbury Weir site investigation in a fast flowing river*



*Drilling beside a railway at Coal Pit Heath, Gloucester for a Railtrack project*

Previous projects have included

- The installation of Sewage Outfalls through cliffs at Mevagissey and Perranporth in Cornwall, UK.
- The installation of Piezometers in an Earthfill dam in Cornwall for the Environment Agency.
- The drilling of blast holes on the sea bed in Pembroke Dock, West Wales for Seacore from their Jack Up rig.
- Pressure relief drilling in the Victorian dams of the Elan valley in Mid Wales for Severn Trent Water and the Burrator and Roadford Dams for South West Water.
- The drilling of deep instrumentation holes for Railtrack at Coal Pit Heath, Gloucester involving working on an unrestricted speed section of railway.



Old Mine Offices • Wheal Jane  
Baldhu • Truro • Cornwall TR3 6EE

T +44(0)1872 562011  
+44(0)1872 562013  
+44(0)1872 562017

F +44(0)1872 562020

E [carnon@wheal-jane.co.uk](mailto:carnon@wheal-jane.co.uk)

W [www.carnon-contracting.co.uk](http://www.carnon-contracting.co.uk)

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