

DIRECTIONAL DRILLING CASE HISTORY



Pipe Installation From Perco



Client: Welsh Water/Galliford Try Construction North

Project: Directional Drilling, Harlech, Gwynedd

Sub-contractor: Perco Engineering Services

Perco uses trenchless technology to install a 60m polyethylene pipeline through cliffs at Harlech, North Wales

Perco were invited by Galliford Try Construction North to recommend a solution. Rather than disrupt the grounds of a cliff-top guest house by vertical drilling, Perco engineers proposed directional drilling from a corner of a nearby field. Our Drilling Manager advised on the directional drilling procedure and tracking method. He confirmed that the work could be successfully completed within

a four-week window, assuming the cliff's composition to be rock and/or hard clay. Engineers then used roped access down the densely overgrown cliff face to select and mark out the line. Drilling commenced from a small launch pit on the cliff top, with a mud motor and a hole-opener for back-reaming. The bore was opened in stages to accept 180mm pipe.

Perco's solution ensured that the guest house's gardens and orchard could be left completely undisturbed. The minimal amount of excavation

necessary was restricted to an adjacent field, the surface of which was quickly and easily restored afterwards.

The project was part of Welsh Water's scheme to modernise sewage treatment facilities for Llanbedr, Harlech and Llandanwg.

For more information about this project please contact our Sales Director Nick Sheehan on 01604 590200