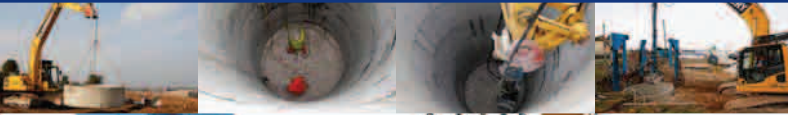


SHAFT SINKING CASE HISTORY



Pipe Installation From Perco



Client: Jackson Civils
Project: Shafts for Gravity Sewer Installation, Isle of Thanet, Kent
Sub-contractor: Perco Engineering Services

As part of a project to install 0.5km of gravity sewers by microtunnelling at the Eurokent Business Park, Isle of Thanet, Kent, Perco installed eight caisson shafts to a depth of ten metres and a diameter of three metres. The new sewer was required as part of a major retail, leisure and housing development, and new roads to cope with increased traffic in the area.

The shafts formed the launch and target shafts for the microtunnelling and pipe jacking operations, which were then converted to serve as access manholes for the new sewer.

The new sewer was being constructed on former farmland, meaning that open cut working would have been acceptable.

However, as The Eurokent Business Park and other sites in the area were already occupied and because of the depth of the new sewer, a trenchless construction method was favoured to avoid disruption.

The chalk ground conditions were consistently hard between seven metres and ten metres depth at approximately SPT 65 making them

ideal for the installation of the shafts. The eight shafts were installed during the first eight weeks of the 20 week project.

For more information regarding this project please contact our Operations Director, Andy Fallon on +44 (0) 115 933 5000.