



Case Study

Tondu Road, South Wales



The Problem:

A site investigation was required to install water monitoring standpipes following a landslip along a railway embankment. Access was limited and the borehole locations were far apart.

The Solution:

A site visit was arranged for access and site requirements to be assessed and for the best method and drilling equipment to be decided upon.

Following the site visit, Jackson Drilling mobilised their Beretta T21. The Beretta T21 is a low headroom, narrow access tracked drilling rig. The T21 is best suited to 'open holing'.

To support the rig a small tracked dumper, 1200 litre water bowser, trash pumps, a compressor and 115m of high pressure hose was mobilised to site by Jackson Drilling's 11T rigid truck and 4x4 support vehicle.

The tracked dumper was used to move equipment on to each drilling position which reduced manual handling and the time spent moving between borehole locations.

By supplying specialist equipment and a specialist PTS trained drilling crew the works were completed ahead of schedule and on budget.

If you would like Jackson Drilling to undertake any work on the Railway using PTS trained crews or any Site Investigation works, please get in touch using the contact details below.



Site Investigation

Experts in:



Water Borehole
Drilling & Installation



Geothermal Drilling
& Installation



Site Investigation



Drilling contractors since 1973.
Experts in Site Investigation, Geothermal and Water Well Drilling.





Case Study

Trym Tunnel, Avonmouth



The Problem:

A geotechnical investigation was required prior to the design and installation of underground pipework and tunnels. 100mm core samples along with a rigorous in-situ testing regime was required.

The Solution:

Jackson Drilling mobilised three, in house, multi-purpose rotary rigs to site to drill boreholes ranging from 40m to 65m in depth. The rigs and drilling equipment were mobilised to site using our in house articulated low loader ensuring the right equipment arrived at the right time.

The Geobor S wireline coring system was utilised as it provided a 102mm diameter core sample. This system, along with our fully trained drill crews, achieved 100% core recovery and up to 30m of drilling per day.

Boreholes were located in a variety of settings ranging from a field to a housing area. Work site bunds and track mats were used in the housing areas to limit any disruption or mess from the drilling works.

The works were completed ahead of schedule with an average drilling rate of 20m per day.



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