



CASE STUDY

Wakebridge Farm Hotel Development

THE PROJECT

The development of a unique farm hotel & sheep dairy enterprise adjacent to the Derwent Valley World Heritage Site.

THE PROBLEM

Development of cost effective slope retention measures in a sensitive environment.

REMEDY'S SOLUTION

Early geotechnical advice to optioneer, investigate & develop cost effective ground retention works.

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Ground Investigation & Slope Retention

The development of the historic Wakebridge Farm located on the edge of the Derwent Valley World Heritage Site in Derbyshire involved significant ground works. The new development will give a new lease of life to the farm as a sheep dairy, creamery, hotel, bar and restaurant. Crucial to the whole development is the building of a new 2,000m² sheep feeding shed. This required an 8m high cutting into the valley hillside to create a level platform for the new facility. The client, Bailey & Benbow Partners, needed expert geotechnical advice to come up with an efficient, safe and economic slope retention solution, and were referred to Remedy Geotechnics.

Following a site visit Remedy was quickly able to appraise the site to propose a range of slope retention solutions, from simple re-grading through soil nailing, reinforced soil and, in the highest area of cut, piling. Optioneering showed by slight re-location of

the feeding shed money could be saved. A good example of the value of early geotechnical involvement in project development.

After initial optioneering Remedy was asked to design and specify a targeted ground investigation appropriate to the problem at hand. This was completed in January 2020 and will be used to develop the final detailed design for the slope cutting and retention works.

During the excavation man made adits going into the hillside were revealed. The wider area is known for historic lead mining and it is conjectured that this adit was an exploratory investigation into the usually non-lead bearing Millstone Grit rocks forming the hillside. An interesting twist to an altogether interesting and historic site.

Contact Remedy Geotechnics - we'll give you an answer every time.

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