



C2V

HARRISONS FARM

Packer and pumping testing as part of ground investigations prior to the installation of a below-ground tank

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Stuart Wells Limited

Packer permeability testing to BS EN ISO 22282:2012, Geotechnical Investigation and Testing

Stuart Wells conducted detailed packer testing, including 5-step pressure increments while monitoring water pressure and flow. The subsequent analysis to determine lugeon and permeability values provided valuable insights into the site's aquifer characteristics.

The installation of monitoring wells and the pumping test underscores the depth of the investigation, ensuring a robust understanding of the ground conditions. The final report, combining both factual and interpretive elements, was crucial for the client to make informed decisions on the construction of the detention tank.



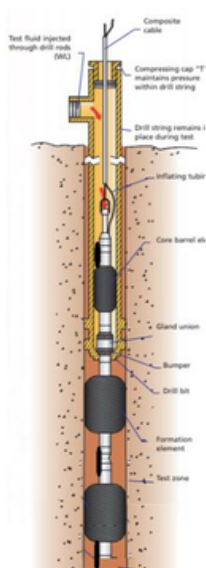
Objective

The client required a comprehensive ground investigation to assess the site's hydrogeological properties and groundwater conditions prior to construction.



Solution

As part of the ground investigation works Stuart Wells drilled and installed an abstraction well and five monitoring wells. A series of packer tests and a pumping test could then be undertaken in accordance with British Standards.



Services	<u>Geophysical Surveying, Packer & Pumping Testing</u>
Location	Adlington, Lancashire
Industry	Water
Max daily extraction	100m ³ /day