

Instrumentation and Monitoring

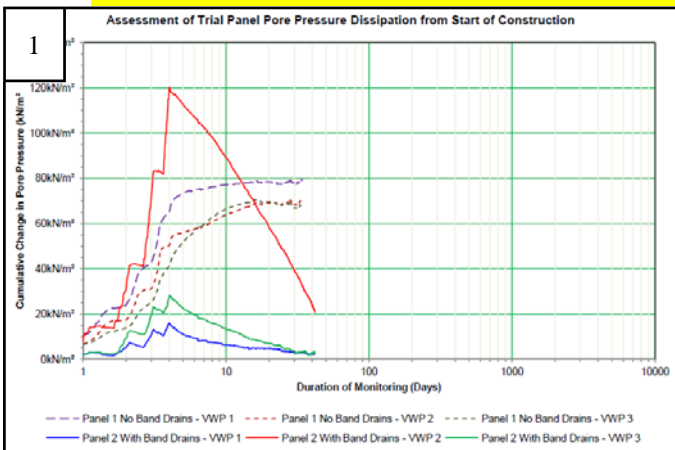
Cofra UK Ltd

To compliment the services that Cofra UK already offer in the area of ground consolidation we are now able to offer various techniques for the monitoring of geotechnical parameters. On recent band drain installation projects we have successfully installed the following instrumentation.

- Vibrating wire (VW) Piezometers for the monitoring of pore water pressure. Cofra UK have installed VW Piezometers by traditional shell and auger drilling in a cased borehole. We have also adapted our band drain installation rigs to be able to install drive-in type VW Piezometers. Via this method we are able to offer considerable time and cost savings over the cased borehole installation.
- Vibrating wire (VW) settlement cells. This system offers an alternative to the standard settlement plates which are frequently disturbed or even destroyed during the embankment filling process. The settlement cells can be connected to a data logger to produce a large data set without the need for

precise levelling equipment. Both settlement cells and piezometers can remain operational and in the ground long after the project has been completed.

- Inclinometers, used for the monitoring of lateral displacement during the embankment construction and installed via cased borehole.
- Data loggers and weatherproof housings used for data collection at intervals specified by the client and mounted in a weatherproof IP rated cabinet.



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Cofra UK Limited, Woodyard House, Daux Road, Billingshurst, RH14 9SJ.

Tel: 01403 783224 Fax: 01403 786514

Email: enquiries@cofra.co.uk

www.cofra.co.uk