

Testing Datasheet No 12

Pile Integrity Testing - why it is important to allow enough time between pile integrity testing and pile cap construction

- Pile integrity testing is an important part of the pile construction process
- There is a small risk that the pile might be damaged after construction, either by the ground itself or by the following site activities
- When pile damage or an anomaly has been identified, it is important that the appropriate measures are then carried out;
 1. the integrity test result must be reviewed by a competent person
 2. the pile construction record must be reviewed and compared to the pile integrity test result
 3. if after data processing there is still doubt regarding the pile quality, an inspection must be made, normally requiring excavating around the pile or coring through the pile
 4. if a problem is found to exist, remedial measures will then need to be designed, approved and installed
- Hence, it is important that the site programme is designed to allow the time for reporting the pile test results and for any subsequent checks and remedial actions, if any, to be carried out

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