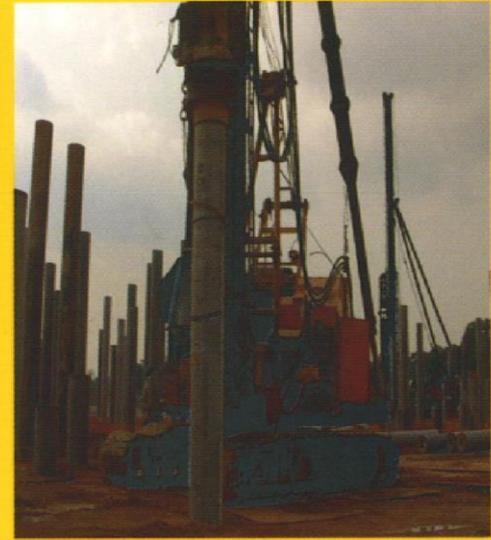
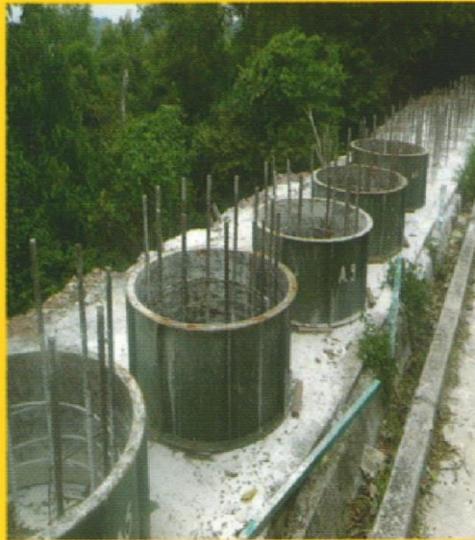




**KERAJAAN MALAYSIA  
JABATAN KERJA RAYA MALAYSIA**

# **STANDARD SPECIFICATION FOR ROAD WORKS**

## **Section 10: Piling Works**



**10.12.2.8 Notice Of Test**

The Contractor shall give at least 24 hours' notice of the commencement of the test. No load shall be applied to the test pile before the commencement of the specified test procedure.

**10.12.3 Protection Of Testing Equipment****10.12.3.1 Protection From Weather**

Throughout the test period, all equipment for measuring load and movement and beams shall be protected from adverse effects of sun, wind and precipitation. Temperature reading shall be taken at the start, end and at the maximum load of each loading cycle.

**10.12.3.2 Prevention Of Disturbance**

Construction activities and person who are not involved in the testing processes shall be kept at a sufficient distance from the test to avoid disturbance to any unavoidable activity and its effects.

**10.12.4 Method Of Loading****10.12.4.1 Test Load**

The test load shall be applied in one (1) of the following ways:

- (i) By means of a jack which obtains its reaction from kentledge heavier than the required load;
- (ii) By means of a jack which obtains its reaction from tension piles or other suitable anchors.
- (iii) By means of a jack which obtains its reaction through bi-directional axial load from the top and bottom section of the tested pile.

In all cases, the reaction load or its supports shall be placed sufficiently far from the proposed test position to reduce the influence on the results to a tolerable level. Care shall be taken to ensure that the reaction load remains stable throughout the test without the possibility of load tilting or collapsing.

In addition to the reaction load, it shall be necessary to provide a loading frame, a bearing plate, a loading column and a hydraulic jack or other appropriate type of load measuring device. The loading column shall be of sufficient strength to prevent undue buckling under the maximum load. The total weight of the kentledge or reaction force provided shall be at least 1.2 times the maximum test load.

In all cases the Contractor shall ensure that when the hydraulic jack and load measuring device are mounted on the pile head, the entire system shall be stable up to the maximum load to be applied.

If in the course of carrying out a test, any unforeseen occurrence should take place, further loading shall not be applied until a proper engineering assessment of the conditions has been made and steps have been taken to rectify any fault.

Where an inadequacy in any part of the system might constitute a hazard, means shall be provided to enable the test to be controlled from a position