



GROUND TECHNOLOGY



Plate Bearing Tests

Plate bearing tests are used to rapidly determine the deformation characteristics of the soil below a rigid steel plate of known dimensions under load. The plate is loaded by jacking against a reaction load, normally provided by a large excavator or dumper, and measuring the deflection of the plate over time, either as a maintained load, incremental load or constant rate of penetration test. The test is a reliable method of estimating the bearing capacity, settlement characteristics or modulus of subgrade reaction of the soils immediately below the plate, depending on the type of test used.

We are able to carry out plate bearing tests in accordance with BS 1377:1999: Part 9 : Insitu Tests using a range of plate sizes and test types. All testing is completed by experienced engineers or technicians