



Statewide Laboratories Pty Ltd

Soil, Rock & Earthwork Testing

EARTHWORK INSPECTIONS & TESTING

SCOPE & TEST METHODS

FILL ASSESSMENT

The assessment will include, visual inspection, sampling and testing of proposed fill material to examine the suitability and compliance of the material for proposed earthworks. Engineering properties of the fill material will be tested in accordance with AS 1289 material testing methods (particle size distribution, Atterberg limits, Compaction & CBR testing). The overall suitability of the material will be determined in accordance with AS 3798 (Guidelines on Earthworks for Commercial and Residential Developments) and / or project specific guidelines.

LEVEL 1 INSPECTION & TESTING

In accordance with AS 3798 Standard, our Level 1 supervision and testing service ensures the compliance of controlled fill constructions for engineering purposes. A competent personnel will be on site and provide full-time supervision during all earthwork operations.

The scope of earthwork operations include;

- Completion of removal of topsoil,
- Placing of imported or onsite fill material,
- Compaction & adding/removal of moisture,
- Trenching & backfilling (if applicable),
- Test Rolling and
- Testing (Nuclear Gauge Method - AS 1289.5.8.1)

Compaction levels (Density Ratio) will be determined by comparing the field density values with laboratory density values (AS 1289.5.4.1 or 1289.5.7.1 methods). At the completion of earthworks, a comprehensive report, including all test results, inspection reports and a statement of compliance, will be issued.

LEVEL 2 TESTING

In accordance with AS 3798 Standard, our Level 2 testing service involves testing of compacted fill (Nuclear Gauge Method - AS 1289.5.8.1), upon the request of site superintendent. Test results (Density Ratios in accordance with AS 1289.5.4.1 or 1289.5.7.1 methods) will be issued to the site superintendent for reviewing. This service does not provide a statement of compliance.