

GEOTECHNICAL REPORT REQUIREMENTS

Council requires that any Geotechnical report submitted, must have the following qualities:

1. A general description of the site, including surfaces topography site slopes, existing site development, vegetation types, sub-strata evident at the land, depth of rock, description of sub-surface materials, particular identifiable features such as water flow paths, slip areas, cliff lines, etc. The description should also include the land area immediately surrounding the site, and statements concerning the location of the land in "Mine Subsidence Districts", Coastal Protection Districts, etc.
2. An assessment of the existing state of stability of the land, and the likely impact of the proposed development upon the state of stability. (Note: as a validation of the assessment, the qualifications of the person responsible for the field observations and data interpretation should be stated).
3. Description of the proposed development, including proposed excavations, access driveways, house/building type, together with a discussion of the problems likely to be encountered at the site in undertaking the development. The discussion should also include the specific guidelines as to methods of treating the various site problems which will probably arise as a result of the site geo-technical characteristics (e.g. loose fill, seepage in excavations, etc.) and refer directly to the particular proposal under evaluation.
4. Detailed recommendations as to the method of carrying out the site development including at least;
 - a. recommendations upon a suitable foundation strata for the support of the proposed structures, and relevant design parameters (e.g. safe bearing pressures, permissible skin friction, etc);
 - b. Modifications to the house/building design as to result of the inherent site conditions;
 - c. Need for support of excavation/fills including design parameters for any proposed retaining walls;
 - d. Any necessary works at the site to render it effectively stable, or sufficiently stable for the development proposed (e.g. stormwater catch drains, sub-soil drains, retaining walls, slope regarding etc). The priority of the works should also be clearly stated and where necessary a timetable for implementation included;
 - e. Methods of disposal of household effluent, stormwater and roof water, together with constriction details, where necessary, of transpiration beds, absorption trenches etc;
 - f. Those parts of the works/site development which need to be inspected and certified during the course of construction by the Investigator or other appropriately qualified person.