

SITE INVESTIGATION

What is a soil test (Foundation Report)?

This is a legislative requirement for any proposed residential building or significant extension. It is to undertake a soil investigation to the requirements of the Australian Standard AS 2870:2011 'Residential Slabs and Footings – Construction'. More importantly the results are an essential input into the design of a house footing system. A soil test involves logging the site soil profile by test holes, testing soil samples when required, assessing the relative reactivity of clay soils and appropriate bearing capacities, and producing a report.

What is an On Site Waste Water Disposal assessment and design (Site and Septic Evaluation)?

As with a soil test, it is also a legislative requirement for any proposed residential building or significant extension not connected to a municipal sewer system to undertake an On Site Waste Water Disposal assessment in accordance with AS/NZS 1547:2012. This involves assessing the site and soil profile for its capacity to absorb treated domestic waste water effluent.

Our equipment:

Where access and ground slope permits we use our Dingo mounted EZI-PROBE coring rig to make test holes on site, see attached photo. This equipment is state of the art and provides a full depth (up to 3m) undisturbed core sample in a clear plastic sample tube for viewing. Where access is restricted, a hand auger is used to make the test holes, while this method is sufficient in most cases the EZI-PROBE provides a more reliable result. In the event we are not confident in the results of either a hand auger or the EZI-PROBE we will hire an excavator and revisit the site to make test holes.

Difficult Sites (Land stability issues):

We have quoted you for a standard soil test and/or a Site and Septic assessment. On rare occasions when the site exceeds certain threshold slope angles or there are other complicating factors, further specialist geotechnical investigation may be required. We will make recommendations on this as soon as we are able. This requirement is generally assessed as a desk top study prior to going to site if a site survey by a registered surveyor is available to us. Otherwise this is assessed on site.

What we require from you:

1. Site plan (preferably to scale and with contours to assess land instability) clearly identifying the proposed house and waste water disposal area.
2. Contact details to arrange access.
3. Clear directions for rural sites.

EZI – PROBE TEST RIG:

