



Survey and Set Out



Domestic Fees

\$895 +GST per person



Duration

1 day



nziht.co.nz



This is a practical course that excites and enables all field staff to read and interpret plans and assist with survey and setting out activities.

The course gives a strong emphasis on understanding construction plans, dimensions, datums, survey marks, accuracies, elevations and layouts to enable all participants to confidently appreciate the works scope and detail.

Basic measurements, offsetting and marking out for construction works are discussed and demonstrated. Understanding with field exercises using levelling equipment and level reductions to establish design heights gives field staff new skills.

The course reinforces field checking, recording, basic calculations and good survey techniques.

Topics include

- Understanding plans and symbols
- Land Information NZ website as a source of survey information
- Explaining survey and set out equipment
- Use of levels, digital grade level, tapes and laser levels
- Set out of pegs, profiles, grades and stakes
- Understand reference systems and co-ordinates
- Reading, recording and reducing level observations
- Construction site survey considerations
- Area and volume calculations.
- Basic measurement methods and checks

On completion of this course participants will

- Set up, read, record and calculate using an automatic level
- Assist a surveyor with planning and preparation work for survey setout
- Assist a surveyor to take field measurements
- Understand construction drawings and their

functions

- Set out basic structures

Who should attend

Forepersons, plant operators, technicians, field staff who are required to assist in the set out and maintenance of civil work sites including road works.