



Australian Government

AHCLSC501 Survey and establish site levels

Release: 1

AHCLSC501 Survey and establish site levels

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to undertake site surveys and map levels and issues of levels in gardens.

This unit applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Landscape (LSC)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Undertake the site survey	1.1 Determine survey items from the existing plan or client brief 1.2 Measure survey items and relevant landscape features 1.3 Take measurements and reduce with reference to the design 1.4 Check and record measurements
2. Read maps and plans	2.1 Take current magnetic declinations and magnetic bearings 2.2 Determine differences between true and magnetic north and place

Element	Performance criteria
	north points on plans 2.3 Transfer magnetic bearings to true north points on plans
3. Record site details	3.1 Record orientation and levels on site plan 3.2 Produce scale plan for a garden design 3.3 Present plan of site to the client

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCLSC501A Survey and establish site levels.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSC501 Survey and establish site levels

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- read maps and plans
- record levels of survey items and site features
- orientate a landscape site
- use survey equipment
- analyse surveying and levelling results
- map orientation and levels and issues of levels on a scale plan
- book and log results
- produce scale drawings for designs and costings
- Liaise with clients

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices of establishing site levels
- techniques to deal with different garden shapes
- surveying tools and equipment used in landscape projects

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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