



Australian Government

AHCLSC504 Survey and establish site levels

Release: 1

AHCLSC504 Survey and establish site levels

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

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

The unit applies to individuals who apply specialist skills and knowledge to surveying and establishing site levels, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

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

Pre-requisite Unit

Nil

Unit Sector

Landscape (LSC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Undertake site survey	1.1 Test survey equipment calibration and maintain survey equipment 1.2 Determine survey items from existing plan or client brief and prepare sketch plan

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Survey items and relevant landscape features and take heights 1.4 Record and check measurements
2. Record site details	2.1 Draw plan to scale 2.2 Orientate north point 2.3 Reduce levels and record on plan 2.4 Analyse and record issues of levels on site plan

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Identify and interpret information regarding survey items and requirements
Oral communication	Initiate discussions with client, using clear language and standard industry terminology to discuss survey items and sketch plan

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC504 Survey and establish site levels	AHCLSC501 Survey and establish site levels	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

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

Assessment Requirements for AHCLSC504 Survey and establish site levels

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has surveyed and established site levels on at least one occasion on two different sites, and has:

- performed survey equipment test
- maintained survey equipment and material
- interpreted existing plans and client brief
- produced scale drawings for designs
- liaised with clients
- used survey equipment on a sloping site, including a change point
- recorded levels of survey items and site features
- read maps and plans
- orientated a landscape site
- mapped orientation and levels and issues of levels to scale on a site plan
- analysed surveying and levelling results
- booked and logged results.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- principles and practices of establishing site levels, including:
 - survey equipment testing, calibration and maintenance procedures
 - techniques for surveying differing and unusual garden shapes
 - map and plan reading, and map orientation
 - difference between magnetic and true north
- tools, equipment, and surveying instruments relevant to surveying and establishing site levels for landscape projects and their use.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - tools and equipment, and survey instruments applicable to surveying and establishing site levels for landscape projects
- specifications:
 - site plans, maps and client brief applicable to surveying and establishing site levels for landscape projects
- relationships:
 - clients
- timeframes:
 - according to job requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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