



Australian Government

AHCDES504 Design for construction of landscape features

Release: 1

AHCDES504 Design for construction of landscape features

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to design for the construction of landscape features and to develop a final project report.

It 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

Design (DES)

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. Interpret detail architectural and landscape design drawings	1.1 Interpret detail architectural and landscape design drawings for construction features 1.2 Define survey levels and record any site gradients 1.3 Construct a small scale model from detail drawings 1.4 Draw detail plans from pre-constructed landscape features, including elevations 1.5 Draw drainage plans for a green site and a developed site to

Element	Performance criteria
	construction standards
2. Design aspects of construction for landscape features in a range of materials	2.1 Develop a concept design for the construction of the selected landscape feature 2.2 Illustrate construction details for landscape features 2.3 Incorporate a range of materials used in the construction of landscape features into the design
3. Specify dimensions, footings and qualities of materials	3.1 Determine the difference in quality of available materials and specify quality criterion in the design 3.2 Specify dimensions, footings and qualities of materials selected 3.3 Determine the consequences and costs involved in using poor quality materials 3.4 Specify the construction standards in the design
4. Develop a design and project report	4.1 Develop a site strategy for the design project 4.2 Identify and document timelines for the project 4.3 Determine and record project costs 4.4 Work with contractors on site to resolve any issues arising 4.5 Develop and document a final design and project report

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 AHCDES504A Design for construction of landscape features.

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 AHCDES504 Design for construction of landscape features

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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:

- calculate project costs
- develop a final design and project report
- draw plans to construction standards
- identify and document project timelines
- interpret detail architectural and landscape design drawings
- liaise with stakeholders, staff and contractors
- select appropriate materials and plants
- specify dimensions, footings and qualities of materials

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of designing for construction of landscape features
 - construction standards
 - drainage issues and the available resources to resolve problems
 - how to select appropriate plants and materials
 - materials available in the marketplace
 - plant specifications for a range of plants appropriate to the design
 - principles of surveying
 - site services, including electrical and water provision
 - stone walling, including gabions
 - the essentials of retaining walls
 - the paving process

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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