



Australian Government

AHCLSC305 Construct stone structures and features

Release: 1

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Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency covers the skills and knowledge required to construct stone structures and features as a component of landscape project works.

This unit applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. 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. Plan and prepare work	1.1 Interpret plans and specifications 1.2 Check the quantity and quality of materials to ensure they conform to design drawings and specifications 1.3 Select tools and equipment and check for serviceability 1.4 Identify workplace health and safety hazards, assess risks and implement controls 1.5 Identify and report environmental implications of erecting stone structures

Element	Performance criteria
2. Set out and prepare the site	2.1 Locate services from site plans 2.2 Mark out the position of the structure or feature according to design drawings and specifications 2.3 Prepare base by removing all debris, vegetable matter and topsoil to provide a solid foundation for construction 2.4 Install drainage systems according to design drawings and specifications 2.5 Place and compact sub-base material to the finished levels
3. Construct structure or feature	3.1 Mix mortar and add bonding and colouring agents and other admixes as required, in accordance with specifications 3.2 Lay damp proofing and base course of stone work according to design drawings and specifications 3.3 Lay courses of stone work using designated bond/s in a manner that will ensure the viability and stability of the structure and according to design drawings and specifications
4. Install stone paving	4.1 Set out and prepare area to be paved according to the site plan 4.2 Excavate the area to shape, depth and dimensions to sub-base level 4.3 Trim the sub base to the designated level and falls and place and compact base material to the finished level 4.4 Spread bedding material over the area and level to the designated level and falls 4.5 Place stone and fit to accurately fill gaps in the pattern within tolerances nominated within the site plan 4.6 Install edge constraints as required by the site plan
5. Check quality of work and clean-up site	5.1 Inspect finished works to ensure the standard of the finished structure or feature is in accordance with design drawings and specifications 5.2 Clean stone work surfaces in an environmentally safe and sensitive manner 5.3 Clean and store tools and equipment

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 AHCLSC305A Construct stone structures and 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 AHCLSC305 Construct stone structures and 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:

- interpret plans and specifications
- prepare the site and install drainage systems
- set out base for paving
- use levelling equipment
- construct stone work with correct mortar ratio

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for constructing stone structures and features
- comparative environmental implications associated with soil disturbance and the establishment of drainage systems
- bonding and colouring agents and other admix components of mortar used in the construction of stone structures and features
- stone structure construction

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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