



Australian Government

AHCLSC313 Construct stone structures and features, and install stone cladding

Release: 1

AHCLSC313 Construct stone structures and features, and install stone cladding

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 covers the skills and knowledge required to construct stone structures and features, and installing stone cladding as a component of landscape project works, including preparing for work, setting out and preparing site, preparing stone for installation, constructing structure or feature, installing stone cladding, checking quality of the work and site clean-up.

The unit applies to individuals who construct stone structures and features under broad direction, and take responsibility for their own work and for the quality of the work of others.

State/territory licensing, legislative or certification requirements apply in some jurisdictions. Users are advised to check with the relevant regulatory authority.

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. Plan and prepare work	1.1 Interpret site plans and specifications 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Check quantity and quality of materials to ensure conformance to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	design drawings and specifications 1.4 Identify and select stone according to design specifications 1.5 Select tools and equipment required for construction work and check for safe operation 1.6 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 1.7 Identify and report environmental impacts of erecting stone structures
2. Set out and prepare the site	2.1 Locate and mark out services from site plans and site investigations 2.2 Set out position and levels of stone structure or feature according to plans and specifications 2.3 Carry out excavations for footings or base layer 2.4 Install drainage system components and feed lines according to design drawings and specifications 2.5 Prepare footings, substrate or base material according to industry standards in preparation for stone structure or feature
3. Prepare stone for installation	3.1 Select tools and equipment for work, ensuring all environmental controls are in place 3.2 Carry out stone cutting, shaping or surface finishing to meet plans, specifications and safety requirements 3.3 Store prepared stone in a safe and practical space ready for installation
4. Construct stone structure or feature	4.1 Prepare mortar, adhesives and other admixes as required according to specifications 4.2 Construct stone structure according to plans and specifications 4.3 Install waterproofing and drainage according to plans and specifications 4.4 Carry out cleaning and sealing of stone according to plans and specifications
5. Install stone cladding	5.1 Prepare mortar, adhesives and other admixes as required according to specifications 5.2 Place and fix prepared stone cladding according to plans and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	specifications 5.3 Fit stone cladding accurately to fill gaps in the pattern within tolerances nominated in site plan and specifications 5.4 Finish gaps between stone cladding with mortar 5.5 Carry out cleaning and sealing of stone cladding according to plans and specifications
6. Check quality of work and clean-up site	6.1 Inspect finished works to ensure standard of finished structure or feature is in accordance with design drawings and specifications 6.2 Clean-up site, remove and dispose of waste in an environmentally safe and sensitive manner according to specifications 6.3 Clean, maintain and store tools and equipment 6.4 Identify and report unserviceable tools and equipment according to workplace procedures

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
Oral communication	Use clear language and industry standard terminology to report tool and equipment unserviceability
Numeracy	- Calculate quantities of material, take measurements, read and use tape measures and scale rulers - Set out right angles using 3:4:5 method

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC313 Construct stone	AHCLSC305 Construct stone	Title change	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
structures and features, and install stone cladding	structures and features	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	

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 AHCLSC313 Construct stone structures and features, and install stone cladding

Modification History

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

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 constructed stone structures and features using two different construction techniques, and installed stone cladding on at least one occasion and has:

- interpreted site plans, design drawings and specifications
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- selected, used and maintained tools and equipment required for constructing stone structures and features, and installing stone cladding
- set out and prepared the site and installed drainage systems
- used and repositioned hand and power tools relevant to constructing stone structures and features, and installing stone cladding
- shaped and cut stone for installation
- constructed stone structures and features, and installed stone cladding according to plans and specifications
- checked structures features, and cladding according to plans and specifications
- cleaned up site
- reported unserviceable tools and equipment.

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 for constructing stone structures and features, and installing stone cladding, including:
 - environmental implications associated with the construction of stone structures and features, and installing stone cladding
 - drainage system preparation and installation

- stone types, selection, profiles and surface finishes
- stone construction and cladding installation hand and power tool use
- types of construction techniques, including dry stack, solid wall and veneer
- types of stone cladding and construction techniques
- adhesive, bonding and colouring agents and other admix components of mortar used in the construction of stone structures and features, and installation of stone cladding
- types of stone structures and features
- workplace requirements applicable to health and safety in the workplace for constructing stone structures and features, including appropriate use of PPE.

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:
 - workplace procedures applicable to constructing stone structures and features, and installing stone cladding
 - materials, tools and equipment applicable to constructing stone structures and features, and installing stone cladding
 - PPE applicable to constructing stone structures and features, and installing stone cladding
- specifications:
 - workplace requirements applicable to health and safety in the workplace for constructing stone structures and features, and installing stone cladding
 - site plans, design drawings and specifications applicable to constructing stone structures and features, and installing stone cladding
- 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.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>