

Modification history

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

AHCLSC3XX	Construct stone structures and features
Application	<p>This unit of competency covers the skills and knowledge required to construct stone structures and features as a component of landscape project works, including preparing for work, setting out and preparing site, constructing structure or feature, installing stone paving and cladding, and checking and cleaning up site.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Landscape (LSC)

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 the quantity and quality of materials 1.4 Identify and select stone geology 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 Determine, locate and mark out services from site plan 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 or adhesive and add bonding and colouring agents and other admixes as required according to specifications 3.2 Lay damp proofing and base course of stonework according to design drawings and specifications 3.3 Lay courses of stonework using designated bonds in a manner that will ensure the viability and stability of the structure and according to design drawings and specifications

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
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 Treat, place and fit stone accurately fill gaps in the pattern within tolerances nominated within the site plan and specifications 4.6 Install edge constraints as required by the site plan
5. Install stone cladding	5.1 Mix mortar or adhesive and add bonding and colouring agents and other admixes as required according to specifications 5.2 Treat, place and fix stone cladding, and accurately fill gaps in the pattern within tolerances nominated within the site plan and specifications
6. Check quality of work and clean-up site	6.1 Inspect finished works to ensure the standard of the finished structure or feature is in accordance with design drawings and specifications 6.2 Clean and treat stonework surfaces 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	
<i>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.</i>	
Skill	Description
Oral communication	<ul style="list-style-type: none"> Use clear language and industry standard terminology to report tool and equipment unserviceability

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC3XX Construct stone structures and features Release 1	AHCLSC305 Construct stone structures and features Release 1	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

TITLE	Assessment requirements for AHCLSC3XX Construct stone structures and features
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has constructed stone structures and features using two different construction techniques, and laid stone paving on at least one occasion and has:</p> <ul style="list-style-type: none"> • applied workplace health and safety requirements • selected, used and maintained tools and equipment required for constructing stone structures and features • interpreted site plans, design drawings and specifications • prepared the site and installed drainage systems • set out base for paving and pattern of paving • used levelling equipment • constructed stone work and cladding with correct mortar or adhesive ratio • checked quality of work and cleaned up site • reported unserviceable tools and equipment. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace requirements applicable to health and safety in the workplace for constructing stone structures and features, including appropriate use of personal protective equipment (PPE) • principles and practices for constructing stone structures and features, including: <ul style="list-style-type: none"> • comparative environmental implications associated with soil disturbance and the establishment of drainage systems • types of construction techniques, including dry stack, solid wall and veneer • paving patterns and techniques, including formal and random • stone cladding construction techniques • adhesive, bonding and colouring agents and other admix components of mortar used in the construction of stone structures and features • stone structure construction. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: • a workplace setting or an environment that accurately represent workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • workplace procedures applicable to constructing stone structures and features • materials, tools and equipment applicable to constructing stone structures and features • PPE applicable to constructing stone structures and features • specifications: <ul style="list-style-type: none"> • workplace requirements applicable to health and safety in the workplace for constructing stone structures and features • site plans, design drawings and specifications applicable to constructing stone structures and features • timeframes: <ul style="list-style-type: none"> • according to job requirements. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</p>