



Australian Government

AHCLSC207 Construct low-profile timber or modular retaining walls

Release: 1

AHCLSC207 Construct low-profile timber or modular retaining walls

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 construct low-profile timber or modular retaining walls in landscape settings, including preparing for work, marking out site, preparing footings, installing wall components and cleaning up site.

The unit applies to individuals who construct low-profile timber or modular retaining walls under general supervision with limited autonomy or accountability.

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. Plan and prepare work	1.1 Read work instructions relating to constructing the retaining wall and confirm with supervisor 1.2 Prepare and use tools and equipment according to supervisor instructions 1.3 Check and confirm quantity and quality of materials according to job plan requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify manual handling and workplace health and safety hazards, assess risks and report to supervisor 1.5 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 1.6 Locate and mark out services
2. Mark out site for retaining wall	2.1 Mark out position of retaining wall according to site plan 2.2 Determine location and depth of excavations according to supervisor instructions 2.3 Establish profiles according to designated tolerances 2.4 Establish survey benchmarks
3. Prepare footings according to industry standards	3.1 Excavate retaining wall foundations to required depth and dimensions according to site plans 3.2 Remove and stockpile soil and waste material to ensure a safe working area 3.3 Locate reinforcing or steps in excavated site and position accordingly 3.4 Position pegs to maintain levels of even depth and horizontal plane to the top of footings 3.5 Place, consolidate and finish footings to determined levels, to ensure coverage of reinforcement
4. Prepare and install retaining wall components	4.1 Prepare and lay out components for installation 4.2 Mark components to be cut to length and shape, and cut to requirements of profiles already established 4.3 Construct base layer of retaining wall to point above the top of drainage media and form weep holes where indicated 4.4 Install protective membrane as specified in site plan 4.5 Install drainage media and material as specified in site plan 4.6 Back-fill and compact fill material behind base of retaining wall 4.7 Construct retaining wall components to required dimensions, profiles and levels as specified on site plan 4.8 Set capping to top of retaining wall to specified levels with tolerance appropriate to style of capping

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Clean up site and store tools and equipment	5.1 Dispose of or recycle soil and waste material from site 5.2 Store and stack unused construction materials for future re-use 5.3 Clean, maintain and store tools and equipment 5.4 Report work outcomes and malfunctions, faults, wear or damage of tools to supervisor

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 standard industry terminology to report malfunctions, faults, wear or damage to tools - Participate in verbal exchanges to respond to questions and clarify information

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC207 Construct low-profile timber or modular retaining walls	AHCLSC202 Construct low-profile timber or modular retaining walls	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	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 AHCLSC207 Construct low-profile timber or modular retaining walls

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 at least one low-profile timber and one modular retaining wall and has:

- read and interpreted site and construction plans
- marked out the site and assembled materials
- calculated materials required and marked out the area to be retained
- applied workplace health and safety requirements, including fitted and used personal protective equipment (PPE)
- consolidated base material
- constructed retaining walls as specified
- installed protective membrane as specified
- cleared up the site and disposed of waste
- reported low-profile timber or modular retaining wall construction operations and 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 of low profile retaining walls, including:
 - construction approaches and methods
 - construction materials for retaining walls
 - drainage media and material use and placement
 - protective membrane installation methods
 - safe lifting practices for large and heavy components
 - soil and waste material disposal methods

- environmental effects of altering water flow when installing retaining walls with or without drainage media
- environmental impact of soil disturbance when excavating an area to be retained
- workplace requirements applicable to health and safety in the workplace for constructing low-profile timber or modular retaining walls, 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 represents workplace conditions
- resources, equipment and materials:
 - work instructions applicable to constructing low-profile timber or modular retaining walls
 - materials, tools, equipment and machinery applicable to constructing low-profile timber or modular retaining walls
 - PPE applicable to low-profile timber or modular retaining walls construction work
- specifications:
 - workplace requirements applicable to health and safety in the workplace and constructing low-profile timber or modular retaining walls
 - site plan
- relationships:
 - supervisor
- 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>