



Australian Government

AHCLSC319 Implement a retaining wall project

Release: 1

AHCLSC319 Implement a retaining wall project

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 install and construct a retaining wall, including preparing for work, marking out and constructing retaining wall, and checking and cleaning up site.

The unit applies to individuals who implement a retaining wall project 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. Prepare for retaining wall project	1.1 Interpret plans and specifications 1.2 Check if council permits or permissions are required 1.3 Identify potential hazards and risks, and implement safe working practices to manage risks 1.4 Identify equipment and material resource requirements according to scope of construction work 1.5 Select tools and equipment required to implement a retaining wall

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	project and check for safe operation 1.6 Identify environmental impacts of proposed works and implement appropriate controls if required 1.7 Select, fit, use and maintain personal protective equipment (PPE) applicable to task 1.8 Organise delivery of materials to site according to workplace priorities
2. Set out and prepare the site	2.1 Erect site bunting and place safety signage 2.2 Determine, locate and mark out services from site plan 2.3 Mark out position of the retaining wall 2.4 Establish survey benchmarks 2.5 Determine location and depth of excavations from construction plans 2.6 Establish profiles to conform to designated tolerances
3. Construct retaining wall	3.1 Check relevant tool and equipment specifications to ensure they are used safely 3.2 Assemble or install retaining wall components according to plans and specifications 3.3 Install appropriate drainage in accordance with plans and specifications
4. Check quality of work and clean-up site	4.1 Inspect quality of finished works to ensure standard of finished retaining wall is in accordance with design drawings and specifications 4.2 Clean up site, removed unused material and dispose of or recycle waste material from site 4.3 Clean, maintain and store tools and equipment 4.4 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, interpret and use scale, interpret and calculate levels - Set out geometric shapes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC319 Implement a retaining wall project	AHCLSC307 Implement a retaining wall project	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 AHCLSC319 Implement a retaining wall project

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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 implemented a retaining wall project on at least one occasion and has:

- interpreted site plans 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 implementing a retaining wall project
- calculated material and resource requirements
- established survey benchmarks
- excavated to specified soil levels
- used tools and equipment to construct retaining wall projects
- checked quality of work and 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 implementing retaining wall projects, including:
 - environmental impacts of landscape works
 - landscape retaining wall materials and construction techniques
 - legislative requirements and codes of practice relevant to implementing a retaining wall project
 - local council permit requirements relevant to implementing a retaining wall project
 - materials, equipment and machinery that may be required for the project
 - methods and practices for maintaining and repairing retaining walls

- set out techniques
- workplace requirements applicable to health and safety in the workplace for implementing a retaining wall project, 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 implementing a retaining wall project
 - materials, tools and equipment applicable to implementing a retaining wall project
 - PPE applicable to implementing a retaining wall project
- specifications:
 - workplace requirements applicable to health and safety in the workplace for implementing a retaining wall project
 - tool and equipment specifications
 - site plans, design drawings and specifications applicable to implementing a retaining wall project
 - legislative requirements and codes of practice applicable to implementing a retaining wall project
 - local council permit requirements applicable to implementing a retaining wall project
- 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.

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