



Australian Government

AHCLSC309 Install water features

Release: 1

AHCLSC309 Install water features

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to install water features. Water features may include waterfalls, ponds, waterways and fountains. They may be prefabricated as supplied by irrigation suppliers and garden centres or formed ‘in situ’.

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 1.3 Select tools and equipment and check for serviceability 1.4 Identify work health and safety hazards, assess risks and implement controls 1.5 Select and use personal protective equipment (PPE) 1.6 Identify the environmental implications of constructing water features

Element	Performance criteria
2. Set out and prepare the site	2.1 Locate services as specified 2.2 Determine the exact location and depth of excavations and mark out accordingly 2.3 Excavate site to the shape, depth and dimensions as marked out 2.4 Construct drainage systems as specified 2.5 Place and compact bedding material to the required finished levels 2.6 Sort and stockpile soil and waste material ready for removal, reuse or recycling
3. Install water feature and accessories	3.1 Install the waterproof membrane, prefabricated shell or formed 'in situ' feature as specified 3.2 Install all accessories to the feature as specified with consideration to safety issues 3.3 Fill the feature with water, test for leaks and repair accordingly 3.4 Treat water to remove or neutralise contaminants resulting from excavation and installation work
4. Check quality of work and clean-up site	4.1 Check any mechanical features and adjust to ensure correct operation 4.2 Clean debris from structure and site 4.3 Dispose of soil and waste material in an environmentally safe and sensitive manner 4.4 Clean, maintain and store tools and equipment 4.5 Inspect quality of finished works to ensure standard of the finished works is in accordance with drawings and specifications

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 AHCLSC309A Install water 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 AHCLSC309 Install water 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:

- determine project requirements from plans
- use surveying instruments
- Set out and prepare a water feature site
- measure and calculate area, depth and volume
- use tools and equipment to construct a water feature
- clean up the site

Knowledge Evidence

The candidate must demonstrate knowledge of:

- the principles and practices of water feature installation
- pipe sizes, types and applications
- pumping systems and accessories associated with water features
- set-out techniques
- water treatment methods

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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