



Australian Government

AHCLSC311 Set out site for construction works

Release: 1

AHCLSC311 Set out site for construction works

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 set out a site for construction works, planning, preparing, locating and marking out construction works, establishing survey benchmarks and verifying site levels in accordance with site plans and specifications. This may be done in advance of proposed works or in conjunction with construction works already being carried out.

The unit applies to individuals who set out site for construction works under broad direction, and take responsibility for their own work and for the quality of the work of others.

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 Interpret and compare site plans and specifications with other available plans 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select tools and equipment required for setting out construction works, and check for safe operation

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 Interpret environmental impact of proposed construction works in conjunction with site plans
2. Locate and mark out position of construction works	2.1 Locate existing site features from site plan 2.2 Locate position of proposed construction works 2.3 Using correct scale, transfer scale measurements of lines, shapes, angles and dimensions from site plan to site 2.4 Mark out shape of proposed construction works on site
3. Establish benchmark for construction works	3.1 Identify site datum from plans and specifications to ensure all existing and proposed construction works can be linked by survey equipment 3.2 Find or establish suitable benchmark for site works according to site plans or specifications 3.3 Set out correct reduced levels on site in comparison to benchmark based on plans and specifications 3.4 Interpret reduced levels in relation to benchmark 3.5 Calculate differences in heights on site or between reduced levels provided on plan
4. Take and verify site levels	4.1 Position levelling instrument to take, record and verify levels 4.2 Describe appropriate procedures to follow if a levelling instrument is not accurate 4.3 Take and record site readings, and verify readings are correct according to site plans and specifications
5. Complete work	5.1 Clean, maintain and store tools and equipment in required location 5.2 Identify and report unserviceable tools and equipment according to workplace procedures 5.3 Record site set out work activities 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
Writing	Use clear language and accurate industry terminology to complete work records
Oral communication	Use clear language and industry standard terminology to report tool and equipment unserviceability
Numeracy	- Use and interpret scale rulers, read leveling instruments, take and read measurements and calculate differences between levels - Set out geometric shapes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC311 Set out site for construction works	AHCLSC301 Set out site for construction works	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>