



**Australian Government**

# **AHCSAW402 Set out conservation earthworks**

**Release: 1**

# AHCSAW402 Set out conservation earthworks

## Modification History

| Release   | Comments                                                                                                                    |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0. |

## Application

This unit of competency describes the skills and knowledge required to set out standard structures using specialised pegging and marking techniques, for erosion and sediment control earthworks.

The unit applies to individuals who take responsibility for their own work and use discretion and judgement in the selection, allocation and use of available resources. This includes undertaking a range of routine and non-routine activities and work in known and changing contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Soil and Water Conservation (SAW)

## 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. Interpret plans and specifications            | 1.1 Determine overall objective of construction work from plans and in consultation with landholder and surveyor<br>1.2 Establish earthworks specifications required to achieve desired objectives<br>1.3 Inspect site for prevailing conditions and identify inconsistency with plan |

| 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 Consult surveyor to rectify inconsistencies<br>1.5 Verify plan according to workplace procedures<br>1.6 Identify hazards, assess risks and implement controls according to workplace health and safety procedures                                                                                                                                                                                                                                 |
| 2. Relate plan to site                           | 2.1 Harmonise key data points on plan with matching features on site<br>2.2 Identify features on site plan to be used for survey work<br>2.3 Identify and record inconsistencies between site plan and actual site that will affect survey activity                                                                                                                                                                                                   |
| 3. Peg project                                   | 3.1 Establish layout sequence in consultation with site surveyor<br>3.2 Measure site dimensions according to plan and specification<br>3.3 Relay site dimensions from plan to site<br>3.4 Mark out site construction area and locations using workplace and industry best practice<br>3.5 Lay out earthworks according to project specifications and specified tolerances<br>3.6 Advise construction team of layout to preserve site layout integrity |

## 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                                                                                                                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading  | <ul style="list-style-type: none"> <li>Critically analyse plans and specifications to extract critical data for survey works</li> </ul>                                                                                                          |
| Numeracy | <ul style="list-style-type: none"> <li>Select and apply mathematical and problem solving strategies to interpret plans and specifications and transfer linear dimensional information from scale drawings into real-world site layout</li> </ul> |

## Unit Mapping Information

| Code and title<br>current version         | Code and title<br>previous version        | Comments                                                                                                                                                         | Equivalence status |
|-------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| AHCSAW402 Set out conservation earthworks | AHCSAW401 Set out conservation earthworks | Changes to Application and Performance Criteria for clarity<br><br>Updated Foundation Skills, Performance Evidence, Knowledge Evidence and Assessment Conditions | 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>