



Australian Government

AHCDRG305 Install drainage systems

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to prepare, coordinate, undertake and complete surface and subsurface drainage system installation.

The unit applies to individuals who install drainage systems under broad direction and take responsibility for their own work.

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

Pre-requisite Unit

Nil

Unit Sector

Drainage (DRG)

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 drainage system installation activities	1.1 Confirm activity to be undertaken, including identifying potential hazards and risks and implementing safe working practices to manage risks 1.2 Identify drainage system construction site 1.3 Select required materials, tools, equipment and machinery and complete safe operation and pre-operation checks 1.4 Select, fit, use and maintain personal protective equipment applicable to the task

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Coordinate installation work	2.1 Schedule work tasks in a sequential, timely and effective manner 2.2 Identify environmental considerations of drainage installation activities 2.3 Maintain a clean and safe work area throughout work
3. Prepare the site for installation of drainage system	3.1 Interpret symbols and terminology to ensure drainage system plan is clearly understood 3.2 Identify layout of services, check depths and report discrepancies 3.3 Complete survey, measurement and marking out of site and confirm soil characteristics relevant to the system
4. Undertake installation of drainage system	4.1 Complete excavations without damage to services, facilities, features and established plants 4.2 Install drainage system to plan specifications 4.3 Test drainage system configuration, flow rates and capacity 4.4 Confirm remedial action to be taken when the drainage system operation does not meet the plan specifications
5. Complete installation of drainage system	5.1 Finish earthworks to the required specifications 5.2 Restore site and remove and dispose of waste material 5.3 Clean, maintain and store tools, equipment and machinery 5.4 Record work outcomes and report works as per the executed drawings, including adjustments

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"> Interpret textual information from a range of sources to identify relevant and key information about workplace operations
Oral communication	<ul style="list-style-type: none"> Use clear language to report drainage system installation activities

Skill	Description
Numeracy skills	<ul style="list-style-type: none"> Measure drainage system site and drain depths
Navigate the world of work	<ul style="list-style-type: none"> Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCDRG305 Install drainage systems	AHCDRG301 Install drainage systems	Performance criteria clarified Foundation skills added Assessment requirements updated	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>