



Australian Government

AHCIRG315 Interpret irrigation plans and drawings

Release: 1

AHCIRG315 Interpret irrigation plans and drawings

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to read and interpret plans and drawings applicable to installing irrigation systems.

It applies to individuals who take responsibility for 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

Irrigation (IRG)

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. Apply commonly used symbols and abbreviations	1.1 Identify, understand and apply commonly used symbols and abbreviations on plans 1.2 Identify, understand and apply common irrigation terms used on plans 1.3 Identify key features of irrigation plans, elevations and sections 1.4 Identify scale, elevations and sections from drawings
2. Locate and identify key features on a site plan	2.1 Identify irrigation site from location drawings 2.2 Identify true north and system orientation from details provided

Element	Performance criteria
	on site plan 2.3 Identify key features of site plan
3. Mark out and peg the site from a plan	3.1 Mark boundaries of the site 3.2 Identify existing irrigation infrastructure on the site 3.3 Identify electricity and communications infrastructure on the site plan, mark out and implement safety procedures 3.4 Peg out pipelines and earthworks identified on the plan
4. Identify required components for installation	4.1 Annotate required pipeline components from plans and drawings 4.2 Annotate water supply, distribution and delivery components from plans and drawings 4.3 Make provision for receipt and storage of materials on site 4.4 Confirm installation requirements and details of plans and drawings with supervisor

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 AHCIRG315A Interpret irrigation plans and drawings.

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 AHCIRG315 Interpret irrigation plans and drawings

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

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:

- interpret scale and specifications from plans and drawings
- interpret symbols and abbreviations used on plans
- mark out boundaries and infrastructure position from a plan
- recognise and mark out features on a site from a plan
- translate documented requirements into on-site activities and site and structural features from two-dimensional to three-dimensional formats
- use basic industry calculations

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of plan and drawing interpretation
- commonly used scales, symbols and abbreviations
- drawings and specifications relevant to the irrigation industry
- measurements, calculations and quantities
- tools, equipment and materials required from the drawings and specifications

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>