



Australian Government

Assessment Requirements for CPCPDR3025 Plan layout and install vacuum drainage systems

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
New unit.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- preparing an as constructed drawing to jurisdictional requirements
- planning and installing a vacuum drainage system with a minimum drain length of 3 metres vertical and 5 metres horizontal to connect a:
 - vacuum water closet (VWC) pan
 - buffer, both gravity drainage inlet and vacuum waste outlet
 - vacuum automatic interface unit (VAIU)
 - vacuum main pipeline to a vacuum station
- cutting in a branch to an existing drain connecting a new VWC pan and another buffer
- joining two branches together
- fabricating a vacuum reforming pocket both open and closed.

All installations must comply with and support fixings of pipe works.

Knowledge Evidence

To be competent in this unit, a person must demonstrate knowledge of:

- terminology relating to the installation of below- and above-ground vacuum drainage systems
- principles of vacuum drainage design, working drawings conventions, symbols and abbreviations
- trench support where applicable
- inspection openings
- approved materials, their characteristics and application for the installation of below- and above-ground vacuum drainage systems
- processes, procedures and techniques for the installation of below- and above-ground vacuum drainage systems, including testing
- how to access relevant information, including codes and standards
- tools, materials and equipment used to plan the layout and installation of below- and above-ground vacuum drainage systems

- work health and safety (WHS) requirements for planning the layout and installation of below- and above-ground vacuum drainage systems.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>