



Australian Government

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.

Application

This unit specifies the skills and knowledge required to prepare for the layout and installation of sewage and waste discharge from fixtures to the point of connection in new or existing, domestic and commercial structures.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Identify installation requirements.	1.1 Access, read and determine installation requirements from job specifications, relevant Australian Standards, codes, manufacturer’s specifications and jurisdictional requirements.
	1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.
	1.3 Plan and record layout of vacuum drainage system.
2 Prepare for work.	2.1 Establish fixtures and materials and calculate quantities.

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| | 2.2 | Create a materials list and collect materials. |
| | 2.3 | Select appropriate tools and equipment including personal protective equipment (PPE). |
| 3 | Install vacuum drainage. | |
| | 3.1 | Establish and set out levels and heights to align with existing or new connection points. |
| | 3.2 | Perform installation of above ground vacuum drainage pipes in accordance with AS/NZS 3500.2 Plumbing and drainage – Sanitary plumbing and drainage. |
| | 3.3 | Excavate trench to specified depth and grade using manual tools and equipment or mechanical means. |
| | 3.4 | Compact and fill trench base to determined height. |
| | 3.5 | Measure, cut and install vacuum drainage pipework. |
| | 3.6 | Connect to new or existing system. |
| | 3.7 | Check and test installation. |
| | 3.8 | Prepare an as constructed drawing. |
| 4 | Clean up. | |
| | 4.1 | Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures. |
| | 4.2 | Clean tools and equipment, check for serviceability reporting any damage, store and secure. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

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>