

<b>Title</b>	<b>Install pumps for drainage systems</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	<p>This unit standard is for people who work in the drainlaying industry.</p> <p>People credited with this unit standard are able to install pumps for drainage systems.</p>
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<b>Classification</b>	Plumbing, Gasfitting and Drainlaying > Drainlaying
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
- Building Act 2004;
  - Health and Safety at Work Act 2015;
  - Plumbers, Gasfitters, and Drainlayers Act 2006;
  - Plumbers, Gasfitters, and Drainlayers Regulations 2010;
  - Resource Management Act 1991.

The following standards, which are available at <https://www.standards.govt.nz/>;

- AS/NZS 1546.1:2008 *On-site domestic wastewater treatment units – Septic tanks*;
- AS/NZS 1547:2012 *On-site domestic wastewater management*;
- AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*;
- AS/NZS 3500.3:2021 *Plumbing and drainage, Part 3: Stormwater drainage*.

The following guides, which are available at <http://www.worksafe.govt.nz/>;

- Excavation Safety – Good practice Guidelines*;
- Underground services – Guide for safety with underground services*.

The following Building Code clauses, and any related Acceptable Solution and Verification Method documents, and any related compliance documents, which are available at <https://www.building.govt.nz/>;

- New Zealand Building Code Clause B2 Durability;
- New Zealand Building Code Clause E1 Surface Water;
- New Zealand Building Code Clause G13 Foul Water.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

*Discharge pipework* refers to pipework through which water or sewerage is pumped at pressure, (also known as a rising main).

*Drainage systems* refers to drainage systems for the disposal of foulwater or stormwater that are constructed to convey the collected water to an appropriate outfall, using gravity flow where possible, but other means when necessary.

3 Candidates must hold a current limited certificate trainee authorisation or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

4 Level of performance

To achieve this standard the candidate must be capable of consistently performing the requirements:

- to current and relevant legislation, standards and codes (including safety);
- in an environmentally sustainable manner;
- within an acceptable timeframe;
- in the workplace;
- in different and unfamiliar contexts.

## Outcomes and performance criteria

### Outcome 1

Install pumps for drainage systems.

### Performance criteria

1.1 Position and install pump and associated fittings, and connect discharge pipework to an appropriate outfall.

Range associated fittings – valves, fittings, discharge pipework.

1.2 Test and commission pump and discharge pipework for correct operation and soundness of installation.

<b>Replacement information</b>	This unit standard and unit standard 30600 replaced unit standard 1118.
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<b>Planned review date</b>	31 December 2029
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2017	31 December 2028
Review	2	30 May 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this unit standard.