

<b>Title</b>	<b>Maintain on-site wastewater treatment and disposal systems</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</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:</p> <ul style="list-style-type: none"> <li>– maintain pumps, filters, wastewater treatment components and controls for a disposal system; and</li> <li>– maintain an on-site wastewater treatment system and an effluent treatment and collection system.</li> </ul>
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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:  
 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 are available at <http://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*, and  
 AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*.

The following guides, which are available at <http://www.worksafe.govt.nz/worksafe>:  
*Good practice guidelines – Excavation safety*, Wellington: WorkSafe New Zealand, 2016;  
*Guide for Safety with Underground Services*, Wellington: Department of Labour, 2002.

The following Building Code clauses, and any related Acceptable Solution and Verification Method documents, are available at <https://www.building.govt.nz/>:  
 New Zealand Building Code Clause E1 Surface Water;  
 New Zealand Building Code Clause G12 Water Supplies;  
 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

*Job specifications* refer to instructions (oral, written, graphic) and may include any of the following – manufacturers' instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements.

*On-site wastewater treatment system* refers to single stage or proprietary, multi-stage, septic tank; any associated pumps, filters, and controls; and evapotranspiration beds, soakage trenches, or soakage pits.

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

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## Outcomes and performance criteria

### Outcome 1

Maintain pumps, filters, wastewater treatment components and controls for a disposal system.

#### Performance criteria

- 1.1 Assess installed pumps, filters, wastewater treatment components and controls for supply and disposal system to identify regular and preventative maintenance requirements.
- 1.2 Identify faults in terms of causes and means of rectification.
- 1.3 Rectify faults in accordance with maintenance requirements and job specifications.

### Outcome 2

Maintain an on-site wastewater treatment system and an effluent treatment and collection system.

#### Performance criteria

- 2.1 Maintain an on-site wastewater treatment system in accordance with maintenance requirements.

- 2.2 Identify an effluent treatment and collection system fault in terms of cause/s and means of rectification.

Range one fault from one of the following, which may include but are not limited to – a distribution chamber, a dripper line, a flush valve, an air release valve, a filter.

- 2.3 Rectify an effluent treatment and collection system fault in accordance with maintenance requirements and job specifications.

Range one fault from one of the following, which may include but are not limited to – a distribution chamber, a dripper line, a flush valve, an air release valve, a filter.

<b>Replacement information</b>	This unit standard and unit standard 33357 replaced unit standard 30539.
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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	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>.

#### 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.