

<b>Title</b>	<b>Install wingwall structures for stormwater handling 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 wingwall structures for stormwater handling 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 standard, which is available at <http://www.standards.govt.nz>:  
AS/NZS 3500.3:2021 *Plumbing and drainage, Part 3: Stormwater 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, which are available at <https://www.building.govt.nz>:  
New Zealand Building Code Clause E1 Surface 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: manufacturer 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.

*Stormwater handling systems* refer to drainage systems for the disposal of stormwater that will be constructed to convey surface water to an appropriate fall, using gravity flow where possible, and include –  
*surface water intake and outfall structures* – pre-cast and in-situ wingwalls.

3 Candidates must hold a current limited certificate 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 wingwall structures for stormwater handling systems.

Range intake, outfall.

**Performance criteria**

1.1 Install wingwall structures in accordance with job specifications.

Range intake grills, outfall baffles, keying in.

<b>Replacement information</b>	This unit standard, unit standard 30577, and unit standard 30578 replaced unit standard 1100, unit standard 1104, unit standard 1108, and unit standard 1109.
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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	28 September 2017	31 December 2028
Review	2	30 May 2024	N/A

**Consent and Moderation Requirements (CMR) reference**

0003

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.