

<b>Title</b>	<b>Install and complete 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 and complete 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 References

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;  
 AS/NZS 3500.3:2015 *Plumbing and drainage – stormwater*, available at <http://www.standards.govt.nz>;  
 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 clause, current version, and any related compliance documents, which are available at <https://www.building.govt.nz>:  
 New Zealand Building Code Clause E1 Surface Water;  
 and all subsequent amendments and replacements.

2 This unit standard requires the application of theory as included in the Plumbers, Gasfitters, and Drainlayers Regulations 2010.

### 3 Definitions

*Job specifications* – 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. Where job specifications are in conflict with applicable legislation, standards, and/or codes, such legislation, standards, and/or codes shall take precedence for the purpose of assessment.  
*Stormwater handling systems* – 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;

*surface water collection systems* – pre-cast concrete, in-situ, open drains, kerbs, and channels;

*sub-soil systems* – to capture and redirect subsurface water;

*sumps* – which include silt traps.

- 4 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.
- 5 All practical activities are to be carried out in a way that avoids harm to people and damage to property, environment, existing installed services, materials, tools, and equipment.

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## Outcomes and performance criteria

### Outcome 1

Install and complete wingwall structures for stormwater handling systems.

Range includes – selection of appropriate structures and associated fittings, bedding material, jointing methods, and materials;  
evidence of only one (intake or outfall) is required.

### Performance criteria

1.1 Install wingwall structures in accordance with job specifications.

Range pipework, wingwall.

1.2 Complete wingwall structures in accordance with job specifications.

Range may include but is not limited to – 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 2022
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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	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 The Skills Organisation [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.