

Title	Install and secure foul water systems in buildings in accordance with Building Code Clause G13 Acceptable Solution 3		
Level	4	Credits	4

Purpose	<p>This unit standard is for people who work in the plumbing industry.</p> <p>People credited with this unit standard are able to install and secure foul water systems in buildings in accordance with Building Code Clause G13 Acceptable Solution 3.</p>
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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Available grade	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.

The following standards, which are available at <https://www.standards.govt.nz>:
 AS/NZS 3500.2:2021 Plumbing and drainage, Part 2: Sanitary plumbing and drainage,
 NZS 3604:2011 *Timber framed buildings*.

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, which are available at <https://www.building.govt.nz>:
 New Zealand Building Code Clause B1 Structure,
 New Zealand Building Code Clause B2 Durability,
 New Zealand Building Code Clause G1 Personal hygiene,
 New Zealand Building Code Clause G6 Airborne and impact sound,
 New Zealand Building Code Clause G10 Piped Services,
 New Zealand Building Code Clause G13 Foul Water,
 New Zealand Building Code Clause G14 Industrial liquid waste.

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

Foul water systems refer to systems for conveying foul water to the outside of the building without leakage, blockage, or allowing foul air to enter the building.

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.

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 Assessment information

All work must be completed in accordance with job specifications and relevant standards and codes.

5 Range

Pipework – must include unplasticised polyvinylchloride (uPVC), associated fittings; may include new or emerging products, ABS, cast iron, copper, glass, lead, polypropylene, polyethylene, stainless steel.

6 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 and secure foul water systems in buildings in accordance with Building Code Clause G13 Acceptable Solution 3.

Range single-level, multi-level.

Performance criteria

- 1.1 Joint pipes using methods and fittings appropriate to the material being joined.
- 1.2 Identify system connection and termination points.
- 1.3 Connect pipework to connection and termination points.

- 1.4 Connect venting pipework to foul water system.
- 1.5 Carry out soundness tests.
- 1.6 Protect system components against physical damage.
- 1.7 Secure pipework.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.