

<b>Title</b>	<b>Prepare, install fittings, and recommission water mains, for water reticulation</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: develop an action plan for shut-down and re-commissioning, and shut down water supply mains; prepare to install, and install fittings for water reticulation; and recommission water supply mains.
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<b>Classification</b>	Water Industry > Water Reticulation
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes: Health and Safety at Work Act 2015, Water Services Act 2021, and subsequent amendments.
- 3 Definitions  
*Industry requirements* may refer to but are not limited to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents, Waka Kotahi New Zealand Transport Agency specifications and guidelines.  
*Water reticulation* – in this context refers to all pipe systems, pumping systems, and components that contribute to the distribution of water, and collection and disposal of wastewater and stormwater.
- 4 Range  
 Evidence is required for two of – water supply mains isolating valve, special purpose valve, air valve and tappings, water meter or flow meter.

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### Outcomes and performance criteria

#### Outcome 1

Develop an action plan for shut-down and re-commissioning, and shut down water supply mains.

**Performance criteria**

- 1.1 Action plan for shut-down and re-commissioning is developed.
- Range includes but is not limited to – time, contingencies, trial shut-down.
- 1.2 Service providers, key clients, and any private clients are notified.
- Range service providers include but are not limited to – fire service; key clients include but are not limited to – businesses, schools, hospitals; private clients may include but are not limited to – people on dialysis; client call centre.
- 1.3 Any required arrangements are made for provision of temporary water supply.
- 1.4 Shut-down of water supply mains is carried out.

**Outcome 2**

Prepare to install, and install fittings for water reticulation.

**Performance criteria**

- 2.1 Fittings are selected in accordance with the job and specifications.
- 2.2 Isolated portion of reticulation system is drained.
- 2.3 Fittings are checked for compatibility, prepared, assembled, and connected.
- 2.4 Pipe is cut in preparation for installation of fittings.
- 2.5 Installation of fittings is carried out safely and hygienically.

**Outcome 3**

Recommission water supply mains.

**Performance criteria**

- 3.1 Pipeline is pressurised.
- 3.2 Air is bled from system.
- 3.3 Visual check for leaks is carried out.
- 3.4 Check of operation of installed fitting is carried out.

3.5 Key clients, service providers, and any private clients are notified.

Range service providers include but are not limited to – fire service;  
key clients include but are not limited to – businesses, schools, hospitals;  
private clients may include but are not limited to – people on dialysis; client call centre.

<b>Replacement information</b>	This unit standard replaced unit standard 24924 and unit standard 24925.
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<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	16 March 2017	31 December 2023
Review	2	24 March 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
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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 Waihangā Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz) if you wish to suggest changes to the content of this unit standard.