

<b>Title</b>	<b>Demonstrate knowledge of theory for registration of drainlayers</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard covers the theory assessment required for registration as a tradesman drainlayer. To achieve this unit standard candidates must pass the Tradesman Drainlayer Registration Examination, which is based on the competencies set out in the Plumbers, Gasfitters and Drainlayers Board (Drainlaying Registration and Licensing) Notice 2016 and described in the Examination Guide No. 9197 Tradesman Drainlayer.</p> <p>People credited with this unit standard are able to demonstrate knowledge of:</p> <ul style="list-style-type: none"> <li>– workplace responsibilities and workplace safety;</li> <li>– tools, equipment, and materials used in drainlaying work; and</li> <li>– drainage and sewer systems.</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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<b>Prerequisites</b>	Candidates who are working within the jurisdiction of the Plumbers, Gasfitters, and Drainlayers Board must hold a current drainlaying limited certificate or exemption for drainlaying under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.
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## Guidance Information

- 1 This unit standard has been developed for learning and assessment off-job.
- 2 References
  - AS/NZS 3500.2:2018 *Plumbing and drainage – Sanitary plumbing and drainage* available at <http://www.standards.co.nz>;
  - Excavation Safety Good Practice Guidelines* (Wellington: Worksafe, 2016) available at <https://worksafe.govt.nz>;
  - New Zealand Building Code Handbook, Ministry of Business, Innovation and Employment;
    - E1: Surface Water;
    - G13: Foul Water;
    - G14: Industrial Liquid Waste;
  - Underground services - Guide for safety with underground services* (Wellington:

Department of Labour, 2002) available at <https://worksafe.govt.nz>;  
The Building Code, (Building Regulations 1992, Schedule 1);  
*Acceptable Solutions and Verification Methods*, published by Ministry of Business,  
Innovation, and Employment <https://www.building.govt.nz>;  
and all subsequent amendments and replacements.

### 3 Range

To be eligible for registration as a tradesman drainlayer, candidates must complete a competency-based programme of learning approved by the Plumbers, Gasfitters, and Drainlayers Board (PGDB) and must pass the PGDB Tradesman Drainlayer Registration Examination (reference 9197), which is based on the competencies set out in the Plumbers, Gasfitters, and Drainlayers Board (Drainlaying Registration Licensing) Notice 2016. The examination is the only valid assessment tool for this unit standard, and credit for this unit standard may only be granted on evidence of passing the examination. The Schedule Part B - Tradesman Drainlayers of the Notice 2016 is the main reference for this examination.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of workplace responsibilities and workplace safety.

#### Performance criteria

- 1.1 Explain matters relating to workplace responsibilities and workplace safety in accordance with PGDB Tradesman Drainlayer registration requirements.

Range may include but is not limited to – limitations on persons who do, or assist in doing, drainlaying work; site safety, electrical safety, persona public safety; safety practices relating to confined spaces, heights, earthworks excavations, the handling of materials, electricity, tools and equipment; considerations related to site integrity preservation and prevention of damage to property.

### Outcome 2

Demonstrate knowledge of tools, equipment, and materials used in drainlaying work.

#### Performance criteria

- 2.1 Explain matters relating to tools, equipment, and materials used in drainlaying work in accordance with PGDB Tradesman Drainlayer registration requirements.

Range may include but is not limited to – materials used in drainlaying work, material properties and characteristics including limitations in their usage; handling methods; corrosion protection; jointing methods; bedding materials and backfill; tools and equipment used in drainlaying work.

**Outcome 3**

Demonstrate knowledge of drainage and sewer systems.

**Performance criteria**

3.1 Explain matters relating to drainage and sewer systems in accordance with PGDB Tradesman Drainlayer registration requirements.

Range may include but is not limited to – installation, testing, commissioning, fault-finding, and maintenance of foul water and surface water systems; trade waste systems; on-site effluent disposal systems; on-site wastewater treatment systems; interpreting plans and specifications; marking up as built drawings; calculations and trade science principles related to drainage; pipework, pumps, venting.

<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	16 April 2015	N/A
Review	2	26 March 2020	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 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.