

<b>Title</b>	<b>Cost drainlaying jobs</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard will be able to cost drainlaying jobs.
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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 This unit standard builds upon the pre-existing knowledge and skills held by a tradesman drainlayer. It reflects part of the increased knowledge and skill set that is required to become recognised as a certifying drainlayer. The competencies expected of a tradesman drainlayer have already been demonstrated and reassessment is not required.
  
- 2 References  
 Building Act 2004;  
 New Zealand Building Code;  
 Construction Contracts Act 2002;  
 Health Act 1956;  
 Health and Safety at Work Act 2015;  
 Plumbers, Gasfitters, and Drainlayers Act 2006;  
 Plumbers, Gasfitters and Drainlayers Board (Drainlaying Registration and Licensing) Notice 2016;  
 Resource Management Act 1991;  
 The following standards, which are available at <http://www.standards.govt.nz>:  
 AS/NZS 1546.1:2008 *On-site domestic wastewater treatment units – Septic tanks*;  
 AS/NZS 1547:2000 *On-site domestic wastewater management*;  
 AS/NZS 3500.2:2018 *Plumbing and drainage – Part 2: Sanitary plumbing and drainage*;  
 AS/NZS 3500.3:2018 *Plumbing and drainage – Part 3: Stormwater drainage*;  
 and all subsequent amendments and replacements.
  
- 3 Definitions  
*Industry practice* – policies, procedures, and standards that competent practitioners in the drainlaying industry recognise as current industry best practice.  
*Other needs* may include but are not limited to – compliance, commissioning, testing, retentions, equipment, excavation, backfill, site reinstatement, and allowance for additional costs and overheads.

- 4 **Assessment**  
Assessments requiring application or demonstration of skills and knowledge may be performed using workplace evidence or evidence derived from simulation or scenario-based activities.  
Drawings and specifications prepared for Unit 32069, *Design foul water drainage systems* and Unit 32070, *Design stormwater drainage systems* may be used for performance criterion 1.1.
- 5 All tasks must be carried out in accordance with industry practice.
- 6 **Range**  
Includes a minimum of three jobs;  
includes a range of requirements between the jobs which may include but are not limited to – rural and urban; commercial and domestic; foul water and stormwater.

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## Outcomes and performance criteria

### Outcome 1

Cost drainlaying jobs.

### Performance criteria

- 1.1 Analyse the materials, labour, and other needs for the job using drawings and specifications.  
  
Range may include but is not limited to – type, quantity, and time required.
- 1.2 Calculate the cost of the materials to be used in the drainage system.
- 1.3 Calculate the cost of the labour needed for the job.
- 1.4 Calculate the cost of other needs for the job.
- 1.5 Calculate the overall cost of the job.
- 1.6 Prepare schedules of quantities for quoting and tendering purposes.

<b>Planned review date</b>	31 December 2024
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	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>.

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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.