

<b>Title</b>	<b>Describe water flow and drainage systems, and prepare and lay drainage elements in landscape work</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe water flow and drainage systems; and prepare and lay drainage elements for landscape construction.
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<b>Classification</b>	Horticulture > Landscape
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety at Work Act 2015;
  - Resource Management Act 1991;
  - and any subsequent amendments.
- 2 Definition
 

*Workplace procedures* refer to the policies and procedures set by the client or employing organisation on preparation and laying drainage system elements and must be consistent with specifications or drawings and equipment manufacturer's guidelines.
- 3 For the purposes of assessment:
  - evidence must be in accordance with workplace procedures.

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### Outcomes and performance criteria

#### Outcome 1

Describe water flow and drainage systems.

#### Performance criteria

- 1.1 Describe water flow in soil profile and consequences of poor drainage.
 

Range natural flow, rainfall event.
- 1.2 Describe situations where drainage systems are required in landscaping.
 

Range at least four situations are required.

1.3 Describe commonly used drainage systems available and their uses.

Range evidence of at least two drainage systems of at least one subsurface and one surface is required.

## Outcome 2

Prepare and lay drainage elements for landscape construction.

Range may include but is not limited to – novacoil, strip drains, swales, PVC piping; evidence of at least two is required.

## Performance criteria

2.1 Set out and excavate for drainage elements.

2.2 Install or create effective drainage.

2.3 Backfill and compact.

2.4 Wear personal protective equipment appropriate for the task.

2.5 Work safely around other people and machinery working on site.

2.6 Clean and store tools and equipment after use.

<b>Replacement information</b>	This unit standard and unit standard 31085 replaced unit standard 992.
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<b>Planned review date</b>	31 December 2027
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## Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 March 2018	31 December 2025
Review	2	28 July 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0052
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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 Muka Tangata - People, Food and Fibre Workforce Development Council [qualifications@mukatangata.nz](mailto:qualifications@mukatangata.nz) if you wish to suggest changes to the content of this unit standard.