

<b>Title</b>	<b>Maintain piped stormwater drainage systems in road reserve</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to: confirm requirements for the maintenance of the pipe drainage system; locate and clean piped drainage systems; locate and repair piped drainage systems; and clear the worksite on completion of work.
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<b>Classification</b>	Infrastructure Works > Infrastructure Civil Works
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 The following legislation and regulations must be complied with: Health and Safety in Employment Act 1992; and Health and Safety in Employment Regulations 1995.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company and site specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 Definitions  
*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.  
*Contract specifications* include plans, diagrams, and special technical conditions. They do not include special administrative conditions.

### Outcomes and performance criteria

#### Outcome 1

Confirm requirements for the maintenance of the pipe drainage system.

#### Performance criteria

- 1.1 Site conditions are confirmed in accordance with company requirements.

Range location, extent, environmental conditions.

1.2 Resources are confirmed with supervisor.

Range materials, equipment, workforce.

### **Outcome 2**

Locate and clean piped drainage systems.

#### **Performance criteria**

2.1 Piped drainage systems that require cleaning are located, and the extent of cleaning is confirmed in accordance with company requirements.

Range location – inspection hole, dye;  
equipment – measuring tape, surface marker, hose.

2.2 Piped drainage system is cleaned in accordance with contract specifications.

Range components – manhole, inspection opening, culvert, pipes;  
equipment may include – vacuum system, rods, water blaster.

### **Outcome 3**

Locate and repair piped drainage systems.

#### **Performance criteria**

3.1 Pipes and components requiring repair are located, and the extent of repair is confirmed in accordance with contract specifications and company requirements.

3.2 Repairs are completed in accordance with company requirements.

Range damage may include – cracking, spalling, joint failure.

3.3 The repair area is reinstated in accordance with contract specifications.

### **Outcome 4**

Clear the worksite on completion of work.

#### **Performance criteria**

4.1 Surplus and loose materials are cleared from the site in accordance with company requirements.

4.2 Temporary traffic control measures are removed in accordance with company requirements.

<b>Replacement information</b>	This unit standard, unit standard 22114, and unit standard 24923 were replaced by unit standard 31451.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1997	31 December 2014
Review	2	25 September 2006	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2021

<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>.