

<b>Title</b>	<b>Construct kerb and channel</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare for kerb and channel operations; excavate and prepare foundation material; and set out, form, place, finish, and cure kerb and channel.
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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.  
*Job instructions* are those given to the operator prior to undertaking a job. They may include site safety instructions, contract drawings, and written memos.  
*Set-out* means to set out site by survey method using pegs.

### Outcomes and performance criteria

#### Outcome 1

Prepare for kerb and channel operations.

#### Performance criteria

- 1.1 Job instructions and extent of work are confirmed in accordance with contract specifications.

- 1.2 Adjacent landowners and members of the public affected by the specified project are notified in accordance with contract specifications and company requirements.
- Range signs, notices in letterboxes, shifting vehicles, vehicle access, clearing obstructions.
- 1.3 Hazards are identified and controlled in accordance with site safety plan and company requirements.
- 1.4 Resources required to carry out the job are confirmed in accordance with company requirements.
- Range plant, equipment, personnel, materials, tools.
- 1.5 Site is made secure in accordance with site safety plan.
- Range safety barriers, traffic signs, alternate access.
- 1.6 Underground services are identified and protected in accordance with company and service provider requirements.
- 1.7 Site measurements and set-out details are confirmed with supervisor in accordance with contract specifications.
- Range at least three of – offsets, levels and locations, gradients, crossing, stormwater outlet, tie-in.

## **Outcome 2**

Excavate and prepare foundation material.

### **Performance criteria**

- 2.1 Job is set out in accordance with contract specifications.
- 2.2 Site is excavated to specified width, depth, gradient, and length.
- 2.3 Foundation conditions and stability are confirmed with supervisor in accordance with company requirements.
- 2.4 Foundation is prepared to specified levels, dimensions, and compaction.

## **Outcome 3**

Set out, form, place, finish, and cure kerb and channel.

**Performance criteria**

- 3.1 Equipment is set up to achieve specified dimensions and grades.  
 Range at least two of the following – boxing, stringlines, laser lines, kerb and channel machine;  
 includes correct mould if kerb and channel machine is used.
- 3.2 Vehicle and pedestrian paraplegic crossings are located as shown on plan.
- 3.3 Stormwater connections are located as shown on plan.
- 3.4 Concrete of specified type and strength is placed and compacted in accordance with contract specifications and company requirements.
- 3.5 Crossing and drainage connections are constructed in accordance with contract specifications.
- 3.6 Concrete is finished in accordance with contract specifications for floating, plastering, brooming, edging, and jointing.
- 3.7 Formation of joints is carried out in accordance with contract specifications.
- 3.8 Concrete is cured in accordance with contract specifications.  
 Range appropriate length of time;  
 one of the following – covering, curing membrane, finely sprayed water.
- 3.9 Site is maintained during curing period in accordance with site safety plan.

<b>Replacement information</b>	This unit standard and unit standard 6486 were replaced by unit standard 31469.
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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	25 September 2006	31 December 2016
Review	2	19 February 2015	31 December 2021
Review	3	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>.