Title	**Carry out non-structural concrete operations for infrastructure works**		
Level	**4**	**Credits**	**6**

Purpose	People credited with this unit standard are able to: prepare for non-structural concrete operations; excavate and prepare foundation material for non-structural concrete operations; form, place, finish, and cure non-structural concrete works; and reinstate site.

Classification	Infrastructure Works > Infrastructure Civil Works

Available grade	Achieved

Guidance Information

1 Legislation relevant to this unit standard includes:
Health and Safety at Work Act 2015;
Resource Management Act 1991.

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.

4 Evidence for assessment against this unit standard must include at least two of: kerb and channel, vehicle crossings, footpaths, mobility crossings, traffic islands, kerb protrusions.

Outcomes and performance criteria

Outcome 1

Prepare for non-structural concrete operations.

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Performance criteria

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

1.2 Any adjacent landowners or members of the public affected by the specified project are notified in accordance with contract specifications and company requirements.

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.

1.5 Site is made secure in accordance with site safety plan.

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.

Outcome 2

Excavate and prepare foundation material for non-structural concrete operations.

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.

2.5 Any required reinforcing is placed in accordance with contract specifications.

Outcome 3

Form, place, finish, and cure non-structural concrete works.

Performance criteria

3.1 Equipment is set up to achieve specified dimensions and grades.

3.2 Any required concrete testing is carried out in accordance with contract specifications and company requirements.

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3.3 Concrete works are constructed in accordance with contract specifications and company requirements.

3.4 Concrete is finished in accordance with contract specifications for floating, plastering, brooming, edging, and jointing.

3.5 Concrete is cured in accordance with contract specifications.

Outcome 4

Reinstate site.

Performance criteria

4.1 Any formwork and surplus materials are removed in accordance with company requirements.

4.2 Site is reinstated in accordance with contract specifications and company requirements.

Replacement information	This unit standard replaced unit standard 6486 and unit standard 22284.

Planned review date	31 December 2027

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	N/A
Rollover and Revision	2	29 January 2026	N/A

Consent and Moderation Requirements (CMR) reference	0120

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact Energy and Infrastructure Industry Skills Board qualifications@energyinfra-skills.nz if you wish to suggest changes to the content of this unit standard.

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