Title	**Demonstrate knowledge of and carry out civil works site operations**		
Level	**3**	**Credits**	**14**

Purpose	People credited with this unit standard are able to demonstrate knowledge of and carry out civil works site operations.

Classification	Infrastructure Works > Infrastructure Civil Works

Available grade	Achieved

Guidance Information

1 Legislation and references relevant to this unit standard include:
Health and Safety at Work Act 2015;
Resource Management Act 1991;
Excavation Safety and *Approved Code of Practice for Cranes*, available from https://worksafe.govt.nz;
NZS 4404:2010 *Land development and subdivision*, available from https://www.standards.govt.nz/;
TNZ F/01 *Specification for earthworks construction*, available from http://www.nzta.govt.nz/resources/.

2 Assessment against this unit standard must take place in a workplace environment and the context must be specific to the candidate's own role on site. Assessment parameters 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 that may apply across the company or to a specific site. Requirements are documented in the company health and safety plans, traffic management plans, contract work programmes, quality plans, policies, and procedural documents.
Quality plan refers to any contract specific policy, processes, procedures, testing or certification requirements.
Site safety plan means the comprehensive plan dealing with issues relating to health, safety, and the environment. This plan may be generic or site specific and will include and emergency plan. It may include a hazard register.
Work plan refers to any job specifications or plans given to the operator prior to undertaking a job.

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Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of civil works site operations.

Range one of – earthworks, road construction, road maintenance.

Performance criteria

1.1 Processes for civil works operations are explained in terms of the work plan and job requirements.

1.2 Tasks for civil works operations are explained in terms of own role and job requirements.

1.3 Types of plant, equipment, and materials associated with site operations are identified in terms of the requirements of the work plan.

1.4 The importance of the quality plan and site safety plan are explained in terms of own role and site operations.

1.5 Site conditions that might impact on site operations are explained in terms of the tasks to be completed.

1.6 The importance of crew member behaviours and practices to productivity are explained in terms of company expectations.

Outcome 2

Carry out civil works site operations.

Range one of – earthworks, road construction, road maintenance.

Performance criteria

2.1 Pre-start checks and/or meetings are completed and tasks for the day are identified and confirmed in accordance with company requirements.

2.2 Designated tasks are completed in accordance with the work plan and quality plan.

2.3 Equipment is operated in accordance with any equipment specifications and company requirements.

2.4 Communication with other crew members is timely, accurate, and addresses any communication barriers effectively.

2.5 Timelines and documentation requirements are met in accordance with company requirements.

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2.6 Clean-up and end-of-day checks are completed in accordance with company requirements.

2.7 Debrief is attended and any feedback is discussed with a leading hand or supervisor in accordance with company requirements.

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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