

Title	Prepare for and complete procedures for onsite piling and deep foundation works		
Level	4	Credits	20

Purpose	People credited with this standard are able to prepare for and complete procedures for onsite piling and deep foundation works.
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Classification	Infrastructure Works > Structural Foundations
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Available grade	Achieved
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Guidance Information

- 1 Learning and assessment within this unit standard must be carried out in an infrastructure works environment and in accordance with the following, as relevant to role, and any subsequent amendments:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - Heritage New Zealand Pouhere Taonga Act 2014;
 - Hazardous Substances and New Organisms Act 1996.

- 2 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.

Work plans refer to any job specifications or plans given to the operator prior to undertaking a job.

Outcomes and performance criteria

Outcome 1

Prepare for onsite piling and deep foundation works.

Performance criteria

- 1.1 Onsite piling and deep foundation works are explained in terms of the context.
- Range situation, purpose, completion time, soil types, hard rock layer, critical local geology.
- 1.2 Onsite conditions are explained in terms of the type of foundation, pile, piling equipment or ground stabilisation method chosen for the piling and deep foundation works.
- 1.3 Levels of delegated authority of the onsite team are explained in terms of role, responsibilities, skills and any certifications required.
- Range role may include but is not limited to – spotter, groundsman, dogman, operator, foreman, leading hand, site engineer.
- 1.4 Industry standards and codes of practice are explained in terms of the relevance for onsite piling and deep foundation works.
- 1.5 Layout onsite is determined in terms of site traffic, site markings, equipment required, storage areas, and manoeuvrability issues in accordance with the layout plan.
- 1.6 Permits to work are implemented and any modifications to work requirements are confirmed with a supervisor before the start up in accordance with work plans.
- 1.7 Contractual requirements are implemented, and the person to notify is confirmed, in terms of compliance, industry standards, codes of practice and work plans.
- 1.8 Equipment is checked and is appropriate for the geology and onsite conditions.
- 1.9 Personal protective equipment, shelter, and safety resources are selected in terms of the health and safety of the workers and in accordance with company requirements.
- 1.10 Requirements of the quality plan are confirmed in accordance with work plans.

Outcome 2

Complete procedures for onsite piling and deep foundation works.

Performance criteria

- 2.1 Site safety procedures are completed in terms of temporary traffic management plan in place, work platforms, access routes and sign in procedures.

- 2.2 Emergency response procedures are confirmed, the locations for storage of chemicals and safety data sheets are identified, and recording and reporting procedures completed in accordance with role requirements and company procedures.
- 2.3 Daily site safety briefings are attended, information is recorded, and communicated to the team in accordance with company procedures.
- 2.4 Dangerous goods, where used, are appropriately contained in accordance with company requirements.
- 2.5 Environmental controls are actioned and environmental requirements for the site are completed in accordance with legislation and company requirements.
- Range erosion, sediment control, protection of flora and fauna, waste management.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0101
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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 the Connexis Infrastructure ITO qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.