

Title	Coordinate site personnel and monitor onsite piling and deep foundation works		
Level	4	Credits	24

Purpose	People credited with this standard are able to coordinate site personnel and monitor 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.

Leading hand refers to the person who coordinates the site works under broad guidance from a foreman or supervisor.

Outcomes and performance criteria

Outcome 1

Coordinate site personnel for onsite piling and deep foundation works.

Performance criteria

- 1.1 Responsibilities for the co-ordination of site personnel are confirmed in terms of the leading hand role.

Range	maintaining the health and safety of workers, meeting daily targets.
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- 1.2 Groundsman or spotter is selected and their monitoring role confirmed in terms of plant operations onsite.
- Range monitoring role may include but is not limited to – the safety of the public, operator and workers, alignment issues, excess water, replacement of worn equipment or teeth, identifying equipment stress, stress on bolts or pins.
- 1.3 Personnel and site traffic are coordinated in terms of site operations and timelines.
- 1.4 Site communication methods, including hand signals or radio communications are confirmed with the workers and used throughout piling and deep foundation works.
- 1.5 Communications to relevant personnel are clear in terms of resolving coordination or monitoring requirements prior to the commencement and during work activities.

Outcome 2

Monitor onsite piling and deep foundation works.

Performance criteria

- 2.1 Hazards around mobile plant are monitored onsite in accordance with exclusion zones, hazard register, prestart requirements, and site documentation.
- 2.2 Depths and levels are monitored in accordance with the pile card and company requirements.
- 2.3 Changing and securing of attachments is monitored in terms of ensuring the safety of workers.
- 2.4 Piling rig operations are monitored and hazards or risks identified, to ensure efficiency and productivity while maintaining safety of the operator and the workers.
- 2.5 Tolerances, levels, alignment and positioning are monitored to ensure a quality outcome.
- 2.6 Solutions or modifications in terms of addressing issues with onsite conditions are discussed with a foreman prior to implementation and in accordance with company requirements.
- 2.7 Tracking, manual or computer systems are monitored and issues and solutions discussed with a foreman.

- 2.8 Actions to secure the site when issues arise are completed in accordance with client and company requirements and sign-off procedures.

Range issues may include but are not limited to – accidents, unauthorised personnel, recommendations from site inspections.

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.