

<b>Title</b>	<b>Implement work plans for onsite piling and deep foundation works</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to implement work plans for onsite piling and deep foundation works.
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<b>Classification</b>	Infrastructure Works > Structural Foundations
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<b>Available grade</b>	Achieved
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### Guidance Information

- Learning and assessment within this unit standard must be carried out in a construction or infrastructure works environment in accordance with industry requirements and the following legislation, as relevant to the 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;
  - Traffic Regulations 1976;
  - Land Transport Rule: Vehicle Dimensions and Mass 2016;
  - Land Transport Rule: Heavy Vehicles 2004;
  - *Structural Engineering Society New Zealand (SESOC), New Zealand Geotechnical Society (NZGS) Construction Specification Bored and Driven Piles 2022*, available from [www.nzgs.org](http://www.nzgs.org);
  - *Excavation Safety: Good Practice Guidelines 2016*, available from Worksafe [www.worksafe.govt.nz](http://www.worksafe.govt.nz);
  - *Operator Safety Manual for Earthmoving Machinery 2017*, available from Civil Contractors New Zealand <https://civilcontractors.co.nz/>;
  - *Temporary Works Procedural Control: Good Practice Guideline*, available from Construction Health and Safety NZ <https://www.chasnz.org>.
- Definitions
 

*Industry requirements* may refer to but are not limited to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents.

*Operating process* may include but is not limited to – layout, levels, positioning, drilling shaft, reinforcing, casing installation and removal, tremie pour, over pour, piling, soil removal.

*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.

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## Outcomes and performance criteria

### Outcome 1

Implement work plans for onsite piling and deep foundation works.

### Performance criteria

- 1.1 Task analysis is completed, work plans for onsite works are confirmed, and daily tasks are communicated to personnel.
- 1.2 Operating process for piling and deep foundation work is implemented.
- 1.3 Quality assurance requirements are implemented in accordance with the quality plan.
- 1.4 Scheduling requirements are followed in accordance with timing of delivery of resources, materials, and operating equipment.
- 1.5 Temporary structures are constructed in accordance with work plans or the temporary works procedural control good practice guideline.
- 1.6 Installation of steel cages, sleeves, casings, or shutters is completed safely and meets the requirements of the work plans.
- 1.7 Work plans are implemented and solutions in terms of issues with equipment, operating process, or procedures, are discussed and confirmed with a foreman or supervisor prior to implementation.
- 1.8 Documentation is completed.

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<b>Planned review date</b>	31 December 2028
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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	31 December 2026
Rollover	2	29 September 2022	31 December 2026
Review	3	27 July 2023	N/A

<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>.

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### Comments on this unit standard

Please contact Waihangara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangaraRau.nz](mailto:qualifications@WaihangaraRau.nz) if you wish to suggest changes to the content of this unit standard.