

Title	Plan trenchless pipe installation or rehabilitation operations		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to determine requirements for trenchless pipe installation or rehabilitation operations, and plan trenchless pipe installation or rehabilitation operations.
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Classification	Infrastructure Works > Pipeline Construction and Maintenance
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes: Health and Safety at Work Act 2015, and any subsequent amendments.
- 3 Definition
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, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
- 4 Range
Evidence must be provided for three different operations.

Outcomes and performance criteria

Outcome 1

Determine requirements for trenchless pipe installation or rehabilitation operations.

Performance criteria

- 1.1 Pipe type, size, and end use are determined.
- 1.2 Required length, gradient, and alignment of pipe are determined.

- 1.3 Information about the geology and/or ground conditions of the site is obtained, and its impact on the operation and any required mitigation is explained.
- 1.4 Location of services in the area of operation is determined and any impact on the operation is identified and explained.
- 1.5 Permit and/or consent requirements are determined for the specific site and operation.

Outcome 2

Plan trenchless pipe installation or rehabilitation operations.

Performance criteria

- 2.1 Methodology and timeline for the operation is selected and outlined in the plan based on the identified requirements of the operation.
- 2.2 Plant and equipment to be used for the operation is selected and outlined in the plan.
- 2.3 Site layout and setup is planned in accordance with geology and/or ground conditions, location of services, and selected methodology and equipment.
- 2.4 Permits and/or consents for the operation are confirmed as in place, and any controls required as part of the consent are included in the plan.
- 2.5 Site management and communication is planned in accordance with selected methodology.
- Range site safety plan, environmental plan, any traffic management plan, communication protocols.
- 2.6 Provision for contingencies arising during the operation are included in the plan.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	31 December 2023
Review	2	26 August 2021	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 Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.