

<b>Title</b>	<b>Install infrastructure pipelaying structures</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to install infrastructure pipelaying structures.
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<b>Classification</b>	Infrastructure Works > Pipeline Construction and Maintenance
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<b>Available grade</b>	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 applicable legislative and industry requirements.
- 2 Legislation relevant to this unit standard includes: Health and Safety at Work Act 2015 and any subsequent amendments.
- 3 Definitions
 

*Industry requirements* refer 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.

*Infrastructure pipelaying* refers to the installation of infrastructure pipes, fittings, and associated structures in the road and elsewhere (may include subdivisions), normally beyond the boundary of private property. Infrastructure pipes include sanitary sewage and stormwater, and may include pipes or ducting for other services such as water, gas, electricity, or telecommunications. For the purposes of this unit standard it does not include the commissioning of the pipes or the installation of services they may house; nor does it include jointing required to be carried out by a licensed specialist.

*Pipelaying structures* refer to manholes (also known as wet access chambers), dry access chambers, anchor blocks, thrust blocks, sumps (also known as cesspits) and grates, lamphole cleaning eyes (also known as rodding eyes), pump stations, interceptor traps, and head walls.
- 4 Range
 

Work is required in an excavated site over 1.5 metres deep.

## Outcomes and performance criteria

### Outcome 1

Install infrastructure pipelaying structures.

Range access chamber and two other types of structures.

### Performance criteria

1.1 Checks are made in preparation for installation of infrastructure pipelaying structures and any hazards are controlled.

Range checks include – project plan, set-out, structures, materials, plant, equipment, hazards.

1.2 Bedding material is laid, as required, in accordance with territorial authority requirements, and structure manufacturer's instructions.

1.3 Structures are installed in accordance with structure manufacturer's instructions with no risk of harm to persons or damage to structure, pipes, fittings, plant, or equipment.

Range considerations:  
for wet access chambers – water tightness, benching and haunching, flexible connections, finished lids;  
for dry access chambers – water tightness, finished lids;  
for anchor blocks and thrust blocks – bearing surface, pipe protection;  
for sumps and grates – inlet and/or outlet, finished lids;  
for lamphole cleaning eyes – water tightness, finished lids.

1.4 Visual inspections are completed.

<b>Planned review date</b>	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	21 July 2011	31 December 2016
Review	2	19 February 2015	31 December 2023
Review	3	26 August 2021	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 Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.