

Title	Establish line, level, and grade for infrastructure pipelaying		
Level	3	Credits	5

Purpose	People credited with this unit standard are, for infrastructure pipelaying, able to check the line, level, and grade information on a survey set out for infrastructure pipelaying against the supplied construction plan, and transfer line and level information to offset pegs.
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Classification	Civil Works and Services > Civil Construction Works
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Available grade	Achieved
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Guidance Information

- 1 The following legislation and requirements apply to this unit standard:
Health and Safety at Work Act 2015;
Territorial authority requirements.
- 2 Assessment against this unit standard must be based on evidence from a workplace context.
- 3 The elements of this unit standard do not represent a sequential process, but reflect differing requirements and situations in establishing line and grade within infrastructure pipelaying.
- 4 Range
Must include a set-out or set-outs for which fall is required.
- 5 Personal protective equipment, appropriate to job requirements, is to be selected and used in accordance with company procedures and manufacturer's instructions.
- 6 Definitions
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements, which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.
Infrastructure pipelaying refers to the installation of infrastructure pipes, fittings, and associated structures in the road and elsewhere, 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.

Pegs may include pins, spikes, or stakes.

Outcomes and performance criteria

Outcome 1

Check the line, level, and grade information on a survey set-out for infrastructure pipelaying against the supplied construction plan.

Range the check must take place on site.

Performance criteria

- 1.1 A check is made in terms of correspondence between on-site information and the plan, and any apparent discrepancies are queried and suitable adjustments are made, in accordance with company requirements.

Range line, invert levels, finished levels, grade.

Outcome 2

Transfer line and level information for infrastructure pipelaying to offset pegs.

Range level information – invert, finished.

Performance criteria

- 2.1 Line and level information is transferred to offset pegs in accordance with job and company requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 January 2007	31 December 2020
Review	2	21 November 2008	31 December 2020
Review	3	24 January 2019	31 December 2020
Reinstatement	4	27 May 2021	31 December 2021

Consent and Moderation Requirements (CMR) reference

0101

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.