

Title	Report on pipe condition for a CCTV inspection of non-pressure water services assets		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to, for non-pressure water services assets: complete closed circuit television (CCTV) inspection header information; and identify and code defects and features within non-pressure water services assets.
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Classification	Water Industry > Water Reticulation
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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 applicable legislative and industry requirements.
- 2 Legislation and references relevant to this unit standard include: Health and Safety at Work Act 2015, Water Services Act 2021, Resource Management Act 1991, and subsequent amendments;
Water New Zealand, *New Zealand Gravity Pipe Inspection Manual* (4th ed.), Water New Zealand: Wellington, 2019, available from <http://www.waternz.org.nz>.
- 3 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, Waka Kotahi New Zealand Transport Agency specifications and guidelines.
Non-pressure water services – in this context refers to all pipe systems and components that contribute to the collection and disposal of wastewater and stormwater.
- 4 The accuracy level required for performance criterion 2.1 is determined by the data audit procedures described in the *New Zealand Gravity Pipe Inspection Manual*.

Outcomes and performance criteria

Outcome 1

Complete CCTV inspection header information for non-pressure water services assets.

Performance criteria

1.1 Details of the inspected asset are recorded.

Range asset ID, pipe length, pipe material, joint spacing, pipe size, pipe shape, pipe use.

1.2 Pipe location details are recorded.

Range upstream or downstream node ID and type, depth to invert.

1.3 Pipe inspection details are recorded.

Range client, inspection date and time, setup, completion status, pipe condition status.

Outcome 2

Identify and code defects and features within non-pressure water services assets.

Performance criteria

2.1 All defects and features are recorded on CCTV inspection logsheet report to an accuracy level of 95%.

Range defects including severity band, feature codes, distance to defects and features, clock references, mandatory remarks.

2.2 Still images are captured in the logsheet report.

Replacement information	This unit standard, unit standard 30094 and unit standard 30095 replaced unit standard 22107.
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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	16 March 2017	31 December 2023
Review	2	24 March 2022	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 Waihangā Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.