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| Title | Install pipes for infrastructure pipelaying | | |
| Level | 4 | Credits | 11 |

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| Purpose | People credited with this unit standard are able to prepare to install, and install, pipes for infrastructure pipelaying. |
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| Classification | Infrastructure Works > Infrastructure Works Utilities |
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| Available grade | Achieved |
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Guidance Information

- 1 Legislation and references relevant to this unit standard include:
Health and Safety at Work Act 2015, Resource Management Act 1991.
National Code of Practice for Utilities' Access to the Transport Corridors available from <http://www.nzuag.org.nz/national-code/>;
Guide for Safety with Underground Services (Wellington: Electricity Engineers Association of NZ Inc., 2002); and Excavation Safety – Good Practice Guidelines 2016, available from <http://www.business.govt.nz/worksafe/>;
SNZ HB 2002:2003, *Code of Practice for Working in the Road*;
AS/NZS 2280:2014, *Ductile iron pipes and fittings*;
AS/NZS 2566.2:2002, *Buried flexible pipelines – Installation*;
AS/NZS 3725:2007, *Design for installation of buried concrete pipes*;
NZS 4404:2010 *Land Development and Subdivision Infrastructure*; and
NZS 7643:1979, *Code of practice for the installation of unplasticized PVC pipe systems*; all available from <http://www.standards.govt.nz/>;
Local and territorial authority requirements.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 Evidence must be provided for three different installations.
- 4 Definitions
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or 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.
Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.

Outcomes and performance criteria

Outcome 1

Prepare to install pipes for infrastructure pipelaying.

Performance criteria

- 1.1 Plan is obtained, and method of installation is determined and confirmed in accordance with contract specifications and company requirements.
- 1.2 Plant, equipment, pipes, fittings, and materials are selected in accordance with method of installation and company requirements.
- 1.3 Services are located and identified, and site conditions are checked and confirmed as suitable for installation of pipes in accordance with contract specifications and company requirements.
- 1.4 Site management and communication requirements are determined and confirmed as in place before commencement of work.

Range site safety plan, environmental plan, traffic management plan, notifications.

Outcome 2

Install pipes for infrastructure pipelaying.

Performance criteria

- 2.1 Pipes are transported and stored in accordance with manufacturer's instructions and company requirements.
- 2.2 Any required bedding material is laid in accordance with contract specifications and company requirements.
- 2.3 Pipes are lifted and placed into the trench, including separations between pipes in multi-service trenches, in accordance with manufacturer's instructions, contract specifications and company requirements.
- 2.4 Pipe fittings, joints, and anchoring are installed without damage and in accordance with manufacturer's instructions, contract specifications and company requirements.
- 2.5 Network connections are installed in accordance with contract specifications and company requirements.
- 2.6 Installation checks are made, and action is taken to address any deficiencies in accordance with contract specifications and company requirements.
- 2.7 Pipe is cleared of debris and prepared for commissioning in accordance with contract specifications and company requirements.

- 2.8 As-built records and required documentation are completed in accordance with contract specifications and company requirements.

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| Replacement information | This unit standard replaced unit standard 27327. |
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| Planned review date | 31 December 2023 |
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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 | N/A |

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| 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 ITO qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.