Title

Demonstrate knowledge of wet and dry inspection chambers

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<th>Level</th>
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Purpose

This unit standard is for people who work in the drainlaying industry.

People credited with this unit standard are able to demonstrate knowledge of:
– drain access chambers; and
– wet and dry inspection chambers.

Classification

Plumbing, Gasfitting and Drainlaying > Drainlaying

Available grade

Achieved

Guidance Information

1 References
Plumbers, Gasfitters, and Drainlayers Act 2006;
Health and Safety at Work Act 2015;
Building Act 2004;
Health Act 1956;
Resource Management Act 1991;
Plumbers, Gasfitters, and Drainlayers Regulations 2010;
The following standards, which are available at http://www.standards.govt.nz:
AS/NZS 1547:2000 On-site domestic wastewater management
AS/NZS 1546.1:2008 On-site domestic wastewater treatment units – Septic tanks
AS/NZS 3500.2:2003 Plumbing and drainage – Sanitary plumbing and drainage;
The following guides, which are available at http://www.worksafe.govt.nz/worksafe:
Guide for Safety with Underground Services, Wellington: Department of Labour, 2002;
The following clauses, and any related compliance documents, which are available at https://www.building.govt.nz/:
New Zealand Building Code Clause E1 Surface Water
New Zealand Building Code Clause G12 Water Supplies
New Zealand Building Code Clause G13 Foul Water;
and all subsequent amendments and replacements.

2 Range
Wet and dry inspection chambers may include but are not limited to – pre-cast concrete, in-situ, plastic, in-line inspection chambers, drop inspection chambers.
3 Definitions

Access chamber – a chamber with working space at drain level through which the drain passes either as an open channel or as a pipe incorporating an inspection point. An access chamber allows a person to enter it. (Access chambers were previously known as manholes).

Inspection chamber – a chamber with working space at ground level through which the drain passes either as an open channel or as a pipe incorporating an inspection point.

Job specifications – instructions (oral, written, graphic) and may include any of the following: manufacturers’ instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements. Where job specifications are in conflict with applicable legislation, standards, and/or codes, such legislation, standards, and/or codes shall take precedence for the purpose of assessment.

Other services – any existing installed services such as water, gas, electricity, or telephone network cables.

4 Candidates must hold a current limited certificate or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

5 Recommended skills and knowledge for the unit standard: Unit 30532, Demonstrate knowledge of excavating and trenching for plumbing, gasfitting, or drainlaying.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of drain access chambers.

Performance criteria

1.1 Explain the purpose of access chambers.

1.2 Explain the features and requirements of access chambers.

Range includes but not limited to – rungs, depth, channel, invert levels, benching, risers, corbel, haunching and grade, jump up, platform, cast lid, adjustment ring, traffic requirements, drop access chambers, wet and dry access chambers.

1.3 Describe methods of jointing pipework to access chambers appropriate for the materials being joined.

Range loose sleeve/band clamped sleeve, plaster/epoxy mortar (epoxy resin), rubber ring.

Outcome 2

Demonstrate knowledge of wet and dry inspection chambers.
Performance criteria

2.1 Describe the circumstances in which different types of inspection chambers are appropriate in accordance with site conditions, job specifications, relevant standards and codes, and the Building Act 2004.

Range wet inspection chambers, dry inspection chambers.

2.2 Explain methodologies for conducting soundness tests of inspection chamber installations.

2.3 Demonstrate knowledge of methods of protecting inspection chambers and associated fittings. May be demonstrated by description of methods or by practical activity.

Replacement information

This unit standard and unit standard 30535 replaced unit standard 1116.

Planned review date

31 December 2022

Status information and last date for assessment for superseded versions

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Consent and Moderation Requirements (CMR) reference 0003


Comments on this unit standard

Please contact The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.