

Title	Use as-built plans and produce a field sketch in the water industry		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: use a scale to draw a plan relevant to water reticulation, and take dimensions from drawings; describe as-built plans, and produce a field sketch of a pipeline or water race; and use a plan as a base to set out a work site.
----------------	--

Classification	Water Industry > Water Reticulation
-----------------------	-------------------------------------

Available grade	Achieved
------------------------	----------

Explanatory notes

Definitions

As-built refers to what is actually constructed as opposed to that which was planned.
Water reticulation – in this context refers to all pipe systems, pumping systems, and components that contribute to the distribution of water, and collection and disposal of wastewater and stormwater.

Outcomes and evidence requirements

Outcome 1

Use a scale to draw a plan relevant to water reticulation, and take dimensions from drawings.

Evidence requirements

1.1 A simple plan is drawn to scale using a drafting scale.

1.2 A range of plans is used to estimate distance.

Range three of – aerial photographs, topographical maps, site plans, recorded drawings.

Outcome 2

Describe as-built plans, and produce a field sketch of a pipeline or water race.

Evidence requirements

2.1 As-built plans are described in terms of their use for asset registers and subsequent enquiry.

- 2.2 An accurate field sketch of work completed on the pipeline or water race is created for use by others.

Range includes but is not limited to – boundary features, key dimensions, fence lines, kerb lines, position and description of all key fittings, depth of cover (where appropriate), condition of existing buried pipes (where appropriate).

Outcome 3

Use a plan as a base to set out a work site.

Evidence requirements

- 3.1 A plan is used to set out the alignment of a pipeline, culvert, or race to the accuracy specified on the drawing.

Range includes but is not limited to – at least 10 metres long pipeline or culvert or race, site location requirements, field accuracy, cross-checking dimensions against other plans.

Planned review date	31 December 2021
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 May 2002	31 December 2018
Review	2	19 September 2008	31 December 2018
Review	3	16 March 2017	N/A

Consent and Moderation Requirements (CMR) reference	0101
--	------

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

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The

CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.