

Plumbing Solutions – edition 13

Recycled Water First Fix – In Ground

Non – Drinking Water Services, Section 9 of AS/NZS 3500.1 Water Services – Acceptable Solutions specifies the requirements for the design, installation and maintenance requirements for recycled water, from the point of supply to the point of discharge. Recycled water is not fit for human consumption, as determined by the health authority.

Recycled water services shall be installed so that the drinking water cannot be contaminated (Figure 1).

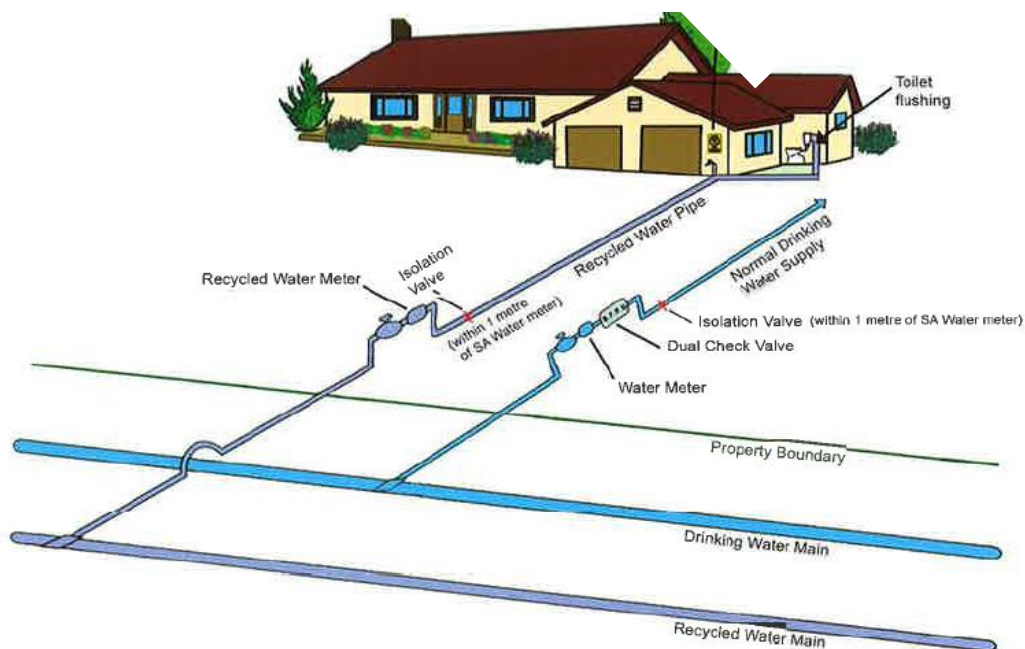


Figure 1

AS/NZS 3500.1 Water Services

9.3 Cross – Connection Control

Non-drinking water installations shall be designed installed and maintained to prevent a cross-connection with drinking water supply. Where a property is served by a non-drinking water supply, the following shall apply:

- (a) A backflow prevention device for the degree of hazard, and sized to suit the water service, shall be fitted at the meter (or at the boundary when a meter is not installed) on the drinking water supply.
- (b) There shall be no cross-connection between any drinking or non-drinking water service.

9.4 Materials and Products

Pipework and products used in the installation of non drinking water services shall comply with AS/NZS 3500.1, Section 2.

2.4.3 Plastics pipes and fittings

Plastics pipes and fittings shall comply with the following requirements:

- (a) Where plastics pipes and fittings are subject to direct sunlight, they shall be installed in accordance with the specific product installation Standard.
- (b) Plastics pipes and fittings shall not be used to support valves, meters or associated pipes and fittings.

9.5.1 Installation Requirements

Installation shall be in accordance with the requirements for drinking water (see AS/NZS 3500.1, Section 3 and Section 5).

9.5.2.1 Service Pipes

All pipes shall be identified by a purple colour in accordance with AS 2700 (NZS 7702) being no darker than P24 Jacaranda or P12 Purple and no lighter than P23 Lilac.

Where pipes are not integrally coloured purple, identification may be achieved by means of close fitting durable purple coloured sleeving, netting or spirally wrapped tape.

All buried pipes shall have an identification tape complying with AS 2648.1 and marked with the following:

- (a) Contrasting purple lettering installed on top of the pipe, running longitudinally, and fastened to the pipe at not more than 3 metre intervals.
- (b) The following statement in accordance with AS 1345:

RECYCLED OR RECLAIMED—WATER—DO NOT DRINK

9.5.3 Proximity to other services

- (b) Below-ground installations of non-drinking water services shall not be installed within 300 mm of any parallel drinking water supply.



If you have any questions about Recycled Water In-Ground installations, please contact the Recycled Water Team Leader on (08) 7424 1317 or alternatively, if you would like this or various editions copies of Plumbing Solutions, please contact plumbooking on (08) 7424 1360 or email plumbooking@sawater.com.au.

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