

ADDENDUM TO
DUAL WATER SUPPLY SYSTEMS

WSA 03-2011

NWD 2.2 Water Supply Mains – Drinking Water

Buried appurtenances shall be colour coded blue.

NWD 2.3 Water Supply Mains – Non-Drinking Water

Buried appurtenances shall be colour coded lilac.

NWD 3.1 Design – Demands

Fire-fighting demands shall be provided from the drinking water mains.

NWD 3.4 Cross-Connections between Drinking and Non-Drinking Water Supply Systems.

No cross-connections, either permanent or temporary, shall be installed between drinking and non-drinking water supply systems downstream of Councils headwork storages without prior council approval.

NWD 3.4.2 Temporary Cross-Connections

No temporary cross-sections shall be installed downstream of Councils headwork storages without prior council approval.

NWD 3.5 Sizing of Mains

The sizing of external non-drinking water mains shall be undertaken by the Consulting Engineer.

The standard sizes for non-drinking water mains shall be the same as the standard sizes for drinking water mains.

NWD 3.7 Location of Mains

Water mains shall be laid on the standard alignment – refer to Section D6.10 of this manual. Where the non-drinking water mains and drinking water mains are laid in the same footpath, the drinking water main shall be laid nearest to the property boundary. Access to the valve and pipe need to be clear of the footpath.

NWD 3.8 Main Depths

The depths of non-drinking water mains shall comply with the requirements for drinking water mains.

NWD 3.10 Property Services

The size of non-drinking water property services shall be DN20 or DN25 as agreed with Council. Where non-drinking water and drinking water property services are laid across a road at a common location, the services shall be placed in a common DN100 conduit. Meters for the non-drinking water shall be placed above ground.

NWD 3.12 Hydrants

Hydrants shall only be installed on the drinking water mains. Flushing points shall be provided on the non-drinking main, at all ends of line and cul-de-sac heads. Flushing points shall consist of an isolation valve and camlock coupling with dust cap.

NWD 3.18 Identification Markers and Marker Posts

Identification markers for the components for the non-drinking water network shall comply with that specified for drinking water components except that:

The hydrant road pavement markers shall be purple.

Where there is no road pavement adjacent to hydrants, posts with reflective indicator plates shall be installed similar to that for the hydrants marker posts on drinking water mains.

All marker posts for the non-drinking water components shall have the letters

NDW added to the lettering on the indicator plates and the top of the marker posts painted purple.

NWD 7.1 Tapping of Mains

Tapping of non-drinking water mains shall be carried out to the same requirements as specified for tapping of drinking water mains.

NWD 8.3 Independent testing of Reticulation Main

The test pressure for non-drinking water property services shall be 1.2 MPa.