

Water Supply Code of Australia

The Power and Water Corporation has moved to adopt the Water Supply Code of Australia as the general basis for the design of water supply infrastructure under its control in the Northern Territory. This document is read as a supplement to the Water Supply Code of Australia to provide details of those modification and additions to suit the particular requirements of the Power and Water Corporation.

Where appropriate WSA Standard Drawings are either:

- ❖ Adopted in full (AIF)
- ❖ Adopted with minor amendments or qualification (NT Variant)
- ❖ Not Applicable to PWC works. Refer to PWC issue Standard Drawings for equivalent details (N/A)

In addition, PWC have issued some standard drawings for which there is no WSA equivalent

Requirement	WSAA Drawing Title	WSAA Drawing
NT Variant	Design Layouts – Typical Locality Plan	WAT-1100
NT Variant	Design Layouts – Typical Site Plan	WAT-1101
NT Variant	Typical Mains Construction Reticulation Main Arrangements	WAT-1102
NT Variant	Typical Mains Construction Distribution and Transfer Mains	WAT-1103
N/A Refer W1-2-09	Typical Mains Construction DN63 PE CUL DE SAC Arrangement	WAT-1104
N/A Refer W1-1-16	Typical Mains Construction Connection to Existing Mains	WAT-1105
N/A Refer W1-1-01, W1-1-02, W1-1-03, W1-1-04	Property Services – Single Service Main to Meter	WAT-1106
N/A Refer W1-1-01, W1-1-02, W1-1-03, W1-1-04	Property Services – Split Service Main to Meter	WAT-1107
N/A Refer W1-1-23, W1-1-24	Property Services – Connection to Main	WAT-1108
N/A Refer W1-1-01, W1-1-02, W1-1-03, W1-1-04	Property Services – Above Ground Meter Assembly Arrangement	WAT-1109
AIF	Soil Classification Guidelines and Allowable Bearing Pressures for Anchor Blocks and Thrust Blocks	WAT-1200
NT Variant	Embedment & Trench Fill – Typical Arrangements	WAT-1201
NT Variant	Standard Embedment – All Pipe Types	WAT-1202
N/A	Special Embedment – Inadequate and Poor Foundation	WAT-1203
N/A	Special Embedments – Concrete, Geotextile and Cement Stabilised Systems	WAT-1204
NT Variant	Thrust Block Details Concrete Blocks	WAT-1205

Requirement	WSAA Drawing Title	WSAA Drawing
N/A	Thrust Block Details – Timber & Recycled Plastic Blocks	WAT-1206
NT Variant	Thrust and Anchor Blocks – Gate Valves and Vertical Bends	WAT-1207
AIF	Restrained Joint System - DN 100 to DN 375 DI Mains	WAT-1208
AIF	Trench Drainage – Bulkheads & Trenchstop	WAT-1209
AIF	Trench Drainage - Typical Systems	WAT-1210
NT Variant	Buried Crossings Under Obstructions	WAT-1211
NT Variant	Buried Crossing Major Roadways	WAT-1212
NT Variant	Buried Crossings - Railways	WAT-1213
NT Variant	Buried Crossings – Bored & Jacked Encasing Pipe Details	WAT-1214
N/A Refer W1-2-03D, W1-2-03F, W1-2-03H	Valve and Hydrant Identification Markers and Marker Posts	WAT-1300
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C	Typical Valve & Hydrant Installation – Valve Arrangement	WAT-1301
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C, W1-2-13	Typical Valve & Hydrant Installation – Hydrant and Air Relief Valves	WAT-1302
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C	Typical Surface Fitting Installation – Gate Valve Surface Boxes – Non-Trafficable	WAT-1303
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C	Typical Surface Fitting Installation – Gate Valve Surface Boxes – Trafficable	WAT-1304
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C	Typical Surface Fitting Installation – Hydrant Surface Boxes – Trafficable & Non-Trafficable	WAT-1305
N/A Refer W1-2-03A, W1-2-03B, W1-2-03C	Typical Surface Fitting Installation – Hydrant Surface Boxes – Trafficable	WAT-1306
NT Variant	Typical Appurtenance Installation – Scour Arrangements	WAT-1307
N/A	Typical Appurtenance Installation – Valve Chambers	WAT-1308
NT Variant	Typical Appurtenance Installation – Pressure Reducing Valves (PRV)	WAT-1309
AIF	Aerial Crossings - Aqueduct	WAT-1310
AIF	Aerial Crossings – Aqueduct - Protection Grille	WAT-1311
AIF	Aerial Crossings – Bridge Crossing Concepts	WAT-1312
AIF	Flanged Joints – Bolting Details	WAT-1313
AIF	Typical Steel Pipe Jointing – Butt Welding of Joints	WAT-1400