

SEQ Water Supply and Sewerage Design & Construction Code (SEQ WS&S D&C Code)

WATER SUPPLY CODE SCHEDULE OF AMENDMENTS

Amendment No.2 – December 2018



Schedule of Amendments to Water Supply Code

(Changes from October 2015 Version 1.1 to December 2018 Version 1.2)

SEQ Water Supply Code		
Section	Clause	Change
PART 0 – GLOSSARY OF TERMS AND ABBREVIATIONS	I	Reticulation Main definition: Replace DN375 with DN300
PART 1 - PLANNING AND DESIGN	4.1	Update SEQ added requirement underneath last paragraph to: GCCC, LCC and RCC require DI pipes or class PN20 PVC-M pipes to be used for water mains in carriageways, industrial areas or commercial areas unless otherwise approved by the SP. For dual water supply systems GCCC may also use the specified PE pipes as per Clause 3.1.4. In carriageways, industrial or commercial areas, where PVC-O pipe is used for water mains in Unitywater's area, PN rating PVC-O pipes shall be determined in accordance with manufacturer's min requirements and shall meet the minimum pipe cover requirements specified in Clause 7.4.2 of the Code. The pressure rating of PVC-O pipe shall not be less than PN20. QUU's preferred material for water mains is PE. Water mains in QUU's area shall be PE unless the specific site conditions dictate otherwise.
	4.5	Rephrase point (a) to: (a) For property services, electrofusion welded tapping saddles shall be used at all times with new PE pipe. (Refer also to WSA 01 and <u>Clause 5.11</u>) For existing installations of PE pipe, electrofusion fittings shall be used unless this is impracticable, in which case mechanical tapping saddles/bands (only bands in LCC) may be used.
	5.2.4	Change SEQ added requirement to: DN63 PE shall be used as reduced mains in cul-de-sacs. Not more than 10 water service connections may be serviced by a reduced size main. Hydrants shall not be installed on reduced size mains. The maximum length of reduced size main is limited by fire hydrants spacing requirements set out in Clause 8.8.8.
	5.4.2.1	Deleted the following SEQ added requirement: The SEQ Sewage Pumping Station Code refers to this Code for Rising Main design and construction requirements. The SEQ-SPs specific requirements for Water Supply mains also apply to the Sewerage Rising Main.
	5.4.2.2	Deleted the following SEQ added requirement GCCC – Water mains located within the footway allocation can be any approved material shown in the Civil IPAM List with DICL required for Commercial and Industrial Driveway

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		crossings or where the main is PE it can be continuous at these crossings.
	5.4.2.3	Deleted the following SEQ added requirement: GCCC – Water mains located within the carriageway pavement allocation shall be an approved DICL material shown in the Civil IPAM List.
	5.4.12	Corrected the spelling of word ‘tower’
	5.4.16.2	Changed SEQ added requirement to: Detectable marking tape shall be specified for installation above all buried water mains. Removed “a 2 mm minimum diameter Grade 316 Stainless steel” from last paragraph.
	5.11.1	Changed SEQ added requirement’s last sentence to: For renewals, mechanical tapping fittings can be used when use of electrofusion fittings is not practicable.
	5.11.2	Changed SEQ added requirement below paragraph 4 to: Connections shall be located so as to provide at least 500 mm spacing between connections (tapping bands/ saddles, pre-tapped connections and/ or pipe joints) for PE, and at least 600 mm for PVC and DICL pipes.
	5.11.4	QUU Changed SEQ added requirement for QUU 3 rd paragraph last sentence to: QUU requires property services to be sized in accordance with standard drawing SEQ-WAT-1107-1.
	5.11.8	Change SEQ added requirement 2 nd paragraph line 4 from “SEQ Property Service and Water Meter Code for requirements” to: “relevant SEQ-SP”
	7.4.2	Changed SEQ added requirement’s first paragraph to: If the footway cross fall is non-standard, i.e. greater than 1 in 50 a cross-section at a scale of 1:50 shall be provided with the Design Drawings.
	Table 7.2	Changed SEQ added table column 3 heading to: >200 mm NB SEQ Table added row beneath row 5: Industrial and Commercial Areas 750 1,000

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Section	Clause	Change										
	Figure 7.9	Removed "Type J and K" in title sentence, replaced with: "Type I"										
	8.6.1	Update the previous SEQ added requirement for QUU to: QUU only requires scours for water mains > 200NB. Refer also Clauses 8.6.4 and 8.6.5. Insert new requirement between 1 st and 2 nd paragraph of SEQ requirements: For CoGC, LCC, RCC and UW unless specified by SEQ-SPs, scours are generally not required in reticulation systems.										
	Table 8.4	Update table as follows: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Main size NB</th> <th>Scour size NB</th> </tr> </thead> <tbody> <tr> <td>≤ 200</td> <td>80</td> </tr> <tr> <td>> 200 – < 375</td> <td>100</td> </tr> <tr> <td>≥ 375 – < 750</td> <td>150</td> </tr> <tr> <td>> 750</td> <td>200</td> </tr> </tbody> </table>	Main size NB	Scour size NB	≤ 200	80	> 200 – < 375	100	≥ 375 – < 750	150	> 750	200
Main size NB	Scour size NB											
≤ 200	80											
> 200 – < 375	100											
≥ 375 – < 750	150											
> 750	200											
	8.6.5	Added QUU requirement "QUU will not allow discharge to (ii)"										
	8.8.7	Replace SEQ added requirement 1 st paragraph to: Spring hydrants shall have 100 mm NB risers and DN100 flanges.										
	8.8.8.	Remove point (e) of SEQ added requirements										
PART 2 - CONSTRUCTION	11.1.2	Added new SEQ requirement "Inspection and test plans" beneath 11.1.1 requirement: The Constructor shall submit inspection and test plans (ITPs) to the Superintendent for verification before commencing work on activities covered by the project quality plan. The ITPs shall include where applicable observations, measurements or tests at the Constructor's facilities.										
	12.1.2	Change previous SEQ added requirement for PVC to: PVC pipe: PVC shall be laid in accordance with the requirements for laying PVC. Short lengths of pipe have the potential to compound joint rotation increasing the possibility of spigot and socket disengagement.) Ductile iron or cast-iron spigots shall not be joined to PVC sockets. Change previous SEQ added requirement for Ductile Iron pipe and										

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		<p>fittings to:</p> <p>Ductile iron pipe and fittings:</p> <p>DICL pipes shall not be cut within 1.5m of the socket and in general the minimum length of spigot-spigot DICL pipe shall be 600mm.</p> <p>(This requirement relates to outer diameter of DICL varying within this length which can cause incorrect seal at the rubber joint. Short lengths of pipe have the potential to compound joint rotation increasing the possibility of spigot and socket disengagement.)</p>
	15.12.1	Removed section 15.12.1 "Non-detectable marking tape"
	15.12.2	<p>Rephrased paragraph's 1st and 2nd sentence to:</p> <p>Only detectable tape shall be used. Lay tape on top of the pipe embedment to form a continuous connection between valves and/or hydrants.</p>
	15.12.3	<p>Rephrase 2nd paragraph to:</p> <p>Where trenchless installation is used, install an approved tracer wire with the pipe and attach each end of the tracer wire to a valve or hydrant as per Clause 15.12.2.</p>
	Table 19.1	<p>Include in 3rd row column 2:</p> <p>AS1289.5.2.1</p>
	19.7.1	<p>Updated SEQ requirement at bottom of clause to:</p> <p>The relevant SEQ-SP should be consulted as to the maximum allowable period between a successful test being obtained and the connection of a new main to the existing reticulation being made and retests may be required where this limit is exceeded. Contractors/Consulting Engineers are responsible for the costs associated with water quality testing</p>

PART 4 - DRAWINGS

SEQ Water Supply Standard Drawings

Drawing Number	Change
SEQ-WAT-1101-2C	Note added to section A to remove Unitywater from applicability
SEQ-WAT-1104-1B	Update of Notes and new Note 13 added for Unitywater: "Unitywater requires stainless steel ball valve and stainless steel storz fitting"
SEQ-WAT-1104-2B	<p>Updates to details and drawings</p> <p>Removed RCC</p>
SEQ-WAT-1105-1B	Updating of notes and details
SEQ-WAT-1105-2C	<p>Included reference to WSA03 Appendix 'C' UPCIC</p> <p>This drawing has an outdated reference on it</p>

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Section	Clause	Change
SEQ-WAT-1105-3A		New Drawing for Unitywater "Typical Connection to existing mains"
SEQ-WAT-1106-1C		Amended Box clearances & note 1 Added note 11 Additional minor amendments
SEQ-WAT-1106-2C		Addition of Note 6 "Refer metering technical specifications for details of meter box and components arrangement." Changed Meter Box Size Other Minor amendments
SEQ-WAT-1107-1C		Added new Table Amended notes Updates made to main connection detail & cover
SEQ-WAT-1107-2C		Amended Note 1 & Note 3 Added new Note 7 Updated Marker detail headings
SEQ-WAT-1108-2C		Note 11 Updated for Unitywater
SEQ-WAT-1108-3C		Updated Notes from 'to be' with 'shall'
SEQ-WAT-1200-2C		Amended Minimum Pipe Cover Table Amended Trench Clearance tables
SEQ-WAT-1212-1B		Amended Concrete Encased detail. Updated Notes 4,8 and 13 Updated Unitywater Boxed note
SEQ-WAT-1213-1B		Amended Concrete Encased detail Updated Notes 3, 8 and 14 Updated Unitywater boxed note
SEQ-WAT-1300-1C		Amendments made to Lid Code Table Removed Marker Material reference
SEQ-WAT-1301-1C		Improved box support details Added note 14 Additional minor changes
SEQ-WAT-1302-1C		Removed DN80 Added Concrete Support Update of Note 8 Other minor changes
SEQ-WAT-1303-1B		Removal of Tapping point on Hydrant Added end of line requirement

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SEQ-WAT-1303-2B		Updated Scour Notes, details and hydrant riser requirements
SEQ-WAT-1304-1B		Amended Air valve tee Pit location has been moved Note 12 has been added
SEQ-WAT-1306-1C		Amended Plan and surface fitting arrangement
SEQ-WAT-1307-2C		Amended notes and Scour Details
SEQ-WAT-1307-3B		Amended Scour Table Amended Scour Valve with Tanker Connection Type A Amended Scour Valve with Outlet to Storage Manhole Type B Added Notes 8,9,10,11 & 12
SEQ-WAT-1308-1B		Updated Notes 5 and 7 Added Note 12 for Unitywater Amended drain pipe
SEQ-WAT-1308-2A		New drawing for Unitywater and City of Gold Coast: "Typical Appurtenance Installation large Valve – Buried Installation"
SEQ-WAT-1319-1A		New Drawing for City of Gold Coast: "Fall Prevention covers and grates at Water Pumping Stations Drawing Index, Notes and Legend."
SEQ-WAT-1319-2A		New Drawing for City of Gold Coast: "Fall prevention covers and grates at water pumping stations general arrangement and opening/closing sequence"
SEQ-WAT-1319-3A		New Drawing for City of Gold Coast: "Fall prevention covers and grates at water pumping stations cross sections and details Sheet 1 of 2"
SEQ-WAT-1319-4A		New Drawing for City of Gold Coast: "Fall prevention covers and grates at water pumping stations cross sections and details Sheet 2 of 2"
SEQ-WAT-1400-1B		Added Note 8
SEQ-WAT-1401-1B		Added Detail for Coupling End Steel Spigot with Fusion Bonded Polyethylene
SEQ-WAT-1402-1B		Amended Note 6
SEQ-WAT-INDEX-1C		Updated to include new revision's and title changes
SEQ-WAT-INDEX-2C		Updated to include new revision's and title changes

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