

Water Code of Australia WSA 03-2011-3.1, Melbourne Retail Water Agencies Edition

Question		Relevant Clauses	Design checked?
1	<u>Do localised reticulation systems comply with manuals?</u>	-	<input type="checkbox"/>
1.1	Is Sizing of Mains satisfactory (i.e. 100mm main for 40 lots)?	3.1, Table 3.1, Table 3.2	<input type="checkbox"/>
1.2	Is Sizing of Mains relevant for industrial / commercial zones (min 150)?	3.1, Table 3.1, Table 3.2	<input type="checkbox"/>
1.3	Is the Design Head shown on plan and is it correct?	3.2, 3.6	<input type="checkbox"/>
1.4	Are Hydraulic Pressure ratings correct?	3.8, 3.3	<input type="checkbox"/>
1.5	Are Approved pipeline systems used?		<input type="checkbox"/>
1.6	Are General Location and Offsets correct?	5.4	<input type="checkbox"/>
1.7	If Bored road crossings are used, is continuous pipe or single pipe joint used? (continuous pipe preferred option)	15.15	<input type="checkbox"/>
1.8	Are the correct Type of Conduits and sleeving used?		<input type="checkbox"/>
1.9	Is Cathodic Protection used for Mild Steel Pipelines? (>10m)	4.8.5, 4.8.6	<input type="checkbox"/>
1.10	Is there adequate clearances from other services or obstructions?	5.12, Table 5.5	<input type="checkbox"/>
1.11	Are correct Thrust restraint details shown on mains?	3.4, 7.9, Table 7.3	<input type="checkbox"/>
1.12	Is Horizontal Alignment adequate - including curves, thrust restraint, etc?	5.12.6, 5.4.14	<input type="checkbox"/>
1.13	Is Vertical alignment adequate - including doglegs, thrust restraint?	5.12.6	<input type="checkbox"/>
1.14	Does Cover meet Minimum requirements?	7.4.2, Table 7.2	<input type="checkbox"/>
2	<u>Do Pipeline Assemblies comply with manuals?</u>		<input type="checkbox"/>
2.1	Are Valves utilised appropriately?	Chapter 8	<input type="checkbox"/>
2.2	Are Hydrants located at high and low points and with Council spacing Requirements?	8.8, Appendix H	<input type="checkbox"/>
2.3	Are Hydrant types =>300mm - valve controlled Hydrants?	8.8.5	<input type="checkbox"/>
2.4	Are Chlorination assemblies shown for mains =>225mm?	5.10.3	<input type="checkbox"/>
2.5	Does maximum size of shutoff areas (valve spacing) comply with manuals?	Table 8.2	<input type="checkbox"/>
2.6	Do services to properties comply with manuals?	5.11, 9.2.4(m)	<input type="checkbox"/>
2.7	Are Rectangular and Tee Court Bowl designs adequate?	5.2.4, Table 5.1, Figure 5.2	<input type="checkbox"/>
2.8	Are Self Cleaning Pipes utilised in dead end mains (Reduced Diameter)?	5.2, Table 5.1	<input type="checkbox"/>
2.9	Where shown, do flanged joints have appropriate insulation?	4.6.5, Figure 4.2	<input type="checkbox"/>
3	<u>Do Design Plans comply with manuals?</u>		<input type="checkbox"/>
3.1	Are completing circuits used where appropriate?		<input type="checkbox"/>
3.2	Are location of Valves installed for alternate supplies?		<input type="checkbox"/>
3.3	Are Wet Tappings used in Industrial or Commercial Zones?	5.11.2	<input type="checkbox"/>
3.4	Does design plan show the removal of "Tee" fittings from any Existing water main to be abandoned?		<input type="checkbox"/>
3.5	Are Tappings Under Pressure utilised where possible?		<input type="checkbox"/>
3.6	Are Fire services labelled appropriately and drawn differently from a SEWC main?		<input type="checkbox"/>

4	Does the design comply with manuals from Operational viewpoint?		<input type="checkbox"/>
4.1	Are there sufficient hydrants and air valves to enable charging of new mains?		<input type="checkbox"/>
4.2	Are hydrants correctly located between valves? (i.e. hydrants on high points for air release)		<input type="checkbox"/>
4.3	Are there adequate numbers and locations of valves?		<input type="checkbox"/>
4.4	Are shut valves at zone boundaries shown and correctly drawn?		<input type="checkbox"/>
4.5	Are Trunk services shown to be plugged or transferred?		<input type="checkbox"/>
4.6	Are location of proposed pumps or PRV's adequate?		<input type="checkbox"/>
4.7	Do pipes follow building lines with preferably 90° bends on corners rather than two 45° bends?		<input type="checkbox"/>
5	Have all issues been addressed?		<input type="checkbox"/>