




























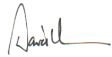
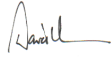
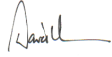
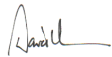

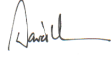
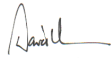
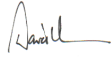

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
D2	<p>Replace "Queensland Department of Transport and Main Roads Pavement Design Manual, 2009" with "Austroads Guide to Pavement Technology Part 2, 2017 and Queensland Department of Transport and Main Roads Pavement Design Supplement, 2021"</p> <p>Replace "a fine gapped graded" mix to "dense graded (AC)" mix</p> <p>Replace "FGG7" with "AC7", replace "DG10" with "AC10", replace "DG14" with "AC14". Increase neighbourhood collector road to 35mm.</p> <p>Replace "2.4" with "2.3" for CBR 45</p>	<p>D2.11 (2)</p> <p>D2.19(1), D2.19(2)</p> <p>Table D2.2</p> <p>Tables D2.2, D2.3</p>	11 July 2023	
C245	Guidelines updated to Queensland Department of Transport and Main Roads Standard Specification MRTS30	Various	11 July 2023	
C244	<p>Replace all references to RTA with "TFNSW" and QA Specification R106 is updated with "June 2020"</p> <p>Remove C244.03 (e) as updated R106 no longer has this reference</p> <p>Wording amended to be in accordance with updated R106</p>	<p>Various</p> <p>C244.03</p> <p>C244.16</p>	11 July 2023	
C402 Sewerage System	<p>Addition of Standard Design plans</p> <p>Amendments to Thrust and Anchor Blocks for Rising Mains</p> <p>Update testing of rising mains</p>	<p>C402.02</p> <p>C402.30</p> <p>C402.47</p>	18 January 2022	

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
C401 Water Reticulation	Addition of Standard Design plans to Reference Documents Correction to air valve DN size Amendments to Thrust and Anchor Blocks Update reticulation test pressure and trunk mains water pressure	C401.02 C401.14 C401.33 C401.37	18 January 2022	
D12 Sewerage System	Removal of S.D 220/07, S.D 220/08, S.D 220/09 Update of sewer pump station fall prevention system	D12.03 D12.20	18 January 2022	
D12 Sewerage System	Amend reference documents Update on SPS Buffer Zones Update of Soffit Depth Update of Storm Allowance Update to Sewer Alignments Update to Trenchless works Update of Manhole sizes Inclusion of Manhole Deflections Update to Discharge manholes Update to Minimum cover Update to SRM surge control Update of Pipe materials Removal of VC Pipes Removal of Lift Station detail Update of Odour control Update of SPS Fall Protection and lids Update of Sewer Ejection Pumps Inclusion of System Curve Requirements Update of Rising Main Material Inclusion of Pressure Sewer Systems Inclusion of Nominal Sewer Rising Main pipe diameters Inclusion of Trunk Sewer Material	D12.03 D12.04 D12.05 D12.06 D12.07 D12.07 D12.08 D12.08 D12.08 D12.09 D12.10 D12.14 D12.16 D12.20 D12.20 D12.20 D12.30 D12.23 D12.27 D12.27 D12.27 D12.30	07 December 2020	
D11 Water Supply	Vents in valve pits Change of peak hour design Update of Minimum Cover over pipes Inclusion of Stairs	D11.04 D1105 D11.08 D11.29	07 December 2020	





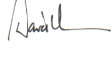
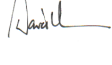
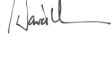
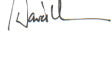
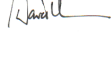
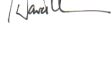

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
D7 - Stormwater Quality	Erosion and Sediment Control Plans shall be prepared by a Certified Professional in Erosion and Sediment Control (CPESC) for sites greater than 5ha, or subdivisions of 50 lots or more.	D7.08, Annexure A	17 April 2020	
D13 - Engineering Plans (Subdivisions)	Change from Registered Surveyor to NSW Registered Surveyor.	D13.17, Summaries	17 April 2020	
D13 - Engineering Plans (Subdivision)	Minor amendments to the requirements for water and sewerage plans. Requirements for water long sections added. ADAC (Asset Design and As Constructed) XML digital file/s to be provided for Work As Executed applications.	D13.09 D13.11 D13.12 D13.13 D13.15 D13.16 D13.17 D13.18 Summaries, Appendix D13.A, Appendix D13.B, Appendix D13.C, Appendix D13.D	20 January 2020	
D11 Water Supply	Inclusion of Nominal Pipeline diameters Inclusion of bulkheads and trench stops in designs Inclusion of water meter Inclusion of stop valves on trunk mains Addition of service connections	D11.07 D11.10.12 D11.17 D11.18.7 D11.22	25 September 2019	
C221 Pipe Drainage	Clarification of acceptable pipe materials and class and Acceptance Criteria	C221.2, C221.4, C221.6, C221.7, C221.27, C221.28 and C221.29	1 July 2019	
C401 Water Reticulation	Amended/Addition to reference documents Inclusion of pipe protection Removal and inclusion of pipe materials Amendment to Sluice Valves Amendment to PRV's Amendment to Cover Amendment to Pipe Bedding Amendment to Test Pressure Inclusion of Live Water Connections Inclusion of chlorine testing Inclusion of Appendices - Appendix A- Pumping Station Pre-Commissioning	C401.02 & various C401.03 C401.04 to 10 C401.13 C401.17 C401.20 C401.26 C401.37 C401.37 C401.38 C401.39 Appendices	25 March 2019	
C245 - Asphaltic Concrete	Added guidelines for sealing under AC surface	C245.14	11 January 2019	




SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
D13 - Engineering Plans (Subdivisions)	Minor amendments to plan requirements to implement colour coding of services	D13.03, D13.09	28 April 2018	
D15 - Work in Proximity	Original version	Nil	12 February 2018	
D11 - Water Supply	Change from peak instantaneous demand to peak hourly demand for reticulation design Addition of stop and scour valves added to Location Addition of minimum cover of water mains Removal of additional pipe materials Updated references to Standard Drawings and WSAA Water Supply Code and other Codes	D11.01.2 D11.08.1 D11.08.4 D11.12, 13, 14, 16 & 17. Various	20 December 2017	
D14 - Landscaping Public Space	Update Irrigation Specificaiton Added missing plant common names in Appendix C	Appendix I - Irrigation Assets Specification Appendix C - Urban Street Tree Planting	17 January 2018	
D12 - Sewerage System	Replace all references to SWAC with "Certifying Engineer" Inclusion of WWTP Buffer Zone requirements Deletion of TMS Change to Works in Proximity name Access ladders not required Update to Venting Update to precast manholes Update to Access Covers Inclusion of Smartpit Maintenance Holes Inclusion of Minimum Cover over sewers Inclusion of OPVC pipes Update of colour coding Inclusion of Exposed Pipelines Removal of Lift Station detail Update of Fall Protection Inclusion of System Curve Requirements Inclusion of Pressure Sewer Systems Inclusion of Trunk Sewer Material	Various D12.04 Various D12.07 D12.08 & D12.24 D12.08 D12.08 D12.08 D12.08 D12.09 D12.10 & D12.14 D12.10 D12.15 D12.20 D12.20 D12.23 D12.27 D12.30	15 September 2017	
D2 - Pavement Design	Increase minimum pavement thickness to 300mm. Replace type 2.2 (CBR60) basecourse with type 2.1 (CBR80)	D2.10; Table D2.2; Table D2.3	24 August 2017	
C213 - Development Construction - Earthworks	Include electricity, telecommunications and gas trenches in compaction testing requirements	C213.36, C213.37	12 July 2017	






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C261 - Pavement Markings	Specify 2 coats of paint for all new lines	C261.12	17 March 2017	
C402 - Sewerage System	Amend/Addition to reference documents Inclusion of Covers & MH's Deletion of Steps & ladders in manholes Inclusion of Minimum Cover Table Removal of Maximum trench width detail Amend from detectable to traceable wire Inclusion of cast-in-situ Inclusion of pre-cast Inclusion of visual inspection testing Inclusion of Test Pressure Delete Hold Point Inclusion of AS3000 reference Delete SCA requirements (various) Additions to Electrical Installation Delete Pressure Gauges requirements (various) Delete Valves (various) Additions and Deletions Testing and Commissioning of Pump Station (various) Additions and Deletions Practical Completion of Pump Station Additions and Deletions Operation and Maintenance Manuals (various)	C402.02& Various C402.12 C402.13 & C402.38 C402.19 C402.20 C402.24 & 27 C402.35 C402.38 C402.40 C402.47 C402.50 C402.52 C402.53 C402.54 C402.55 C402.56 C402.57 C402.58 C402.60	22 February 2017	
D7 - Stormwater Quality	Add TUSQMP Waterway Stability Objective	D7.07A, D7.09	2 September 2016	
C271 - Minor Concrete Works	Add ACRS source mill certification requirement for reinforcing steel	C271.31	2 August 2016	
C248 - Plain or Reinforced Concrete Base	Add ACRS source mill certification requirement for reinforcing steel	C248.14	2 August 2016	


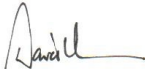


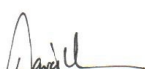
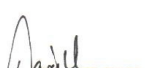
SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
D13 - Development Design Specifications	Replace reference to Chartered Engineer with Professional Engineer (Civil) with current Engineers Australia National Engineering Register (NER) accreditation Restore Registered Survey certification option and specify qualifications	D13.06 D13.17 Summaries D13.06 D13.17 Summaries	12 April 2016	
CQC - Quality Control Requirements	Replace all references to SWAC with "Certifying Engineer". Remove references to AS1289.5.7.1.	Various Sub- Annexures: B1, B2, B4, B17, B18	5 February 2016	
C501 - Bushfire Protection (Perimeter Tracks)	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C402 - Sewerage System	Amend/Addition to reference documents. Expanded CCTV reporting requirements. Replace all references to SWAC with "Certifying Engineer". Remove references to AS1289.5.7.1.	C402.02 C402.69 Various C402.01, C402.48	5 February 2016	
C401 - Water Reticulation	Replace all references to SWAC with "Certifying Engineer". Remove references to AS1289.5.7.1.	Various C401.40	5 February 2016	
C273 - Landscaping	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C271 - Minor Concrete Works	Replace all references to SWAC with "Certifying Engineer". Modified compactive effort compaction testing method changed to equivalent standard compactive effort.	Various C271.03, C271.04, C271.38, C271.45	5 February 2016	
C265 - Boundary Fencing	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C264 - Non-Rigid Road Safety Barrier Systems (Public Domain)	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	


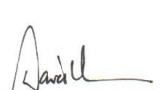
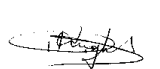
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C263 - Guide Posts	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C262 - Signposting	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C261 - Pavement Markings	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C255 - Bituminous Microsurfacing	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C248 - Plain or Reinforced Concrete Base	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C247 - Mass Concrete Subbase	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C245 - Asphaltic Concrete	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C244 - Sprayed Bituminous Surfacing	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C241 - Stabilisation	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C233 - Drainage Mats	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C232 - Pavement Drains	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	


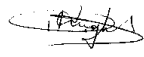
SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
C231 - Subsoil and Foundation Drains	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C230 - Subsurface Drainage General	Replace all references to SWAC with "Certifying Engineer". Update referenced Australian and Austroads standards.	Various C230.04	5 February 2016	
C224 - Open Drains including Kerb & Gutter	Replace all references to SWAC with "Certifying Engineer". Remove reference to AS 1289.5.7.1	Various C224.03, 07	5 February 2016	
C223 - Drainage Structures	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C220 - Stormwater Drainage General	Replace all references to SWAC with "Certifying Engineer". Remove reference to AS 1289.5.7.1	Various C220.04; C220.09	5 February 2016	
C212 - Clearing and Grubbing	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C211 - Control of Erosion and Sedimentation	Replace all references to SWAC with "Certifying Engineer".	Various	5 February 2016	
C201 - Control of Traffic	Change reference to RTA to RMS. Update referenced specifications.	C201.1 C201.2, C201.3	5 February 2016	
C101 - General	Replace all references to SWAC with "Certifying Engineer". Update Certifying Engineer accreditation requirements.	Various C101.01	5 February 2016	
D3 - Structures, Bridge Design	Add traffic barrier requirements of AS5100. Update AUSTROADS references	D3.05, D3.09 D3.04, D3.05, D3.07	18 December 2015	
D5 - Stormwater Drainage Design	Update interallotment drainage specifications. Clarify easement widths. Add shared easement requirements	D5.03(e), D5.04, D5.12, D5.17, D5.20, D5.23, D5.26, Table D5.5	15 September 2015	


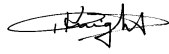

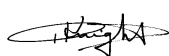

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
	Add reference to UPRCT On-Site Detention Handbook	D5.16		
	Trenchstops and Bulkheads requirements added	D5.18		
C242 - Flexible Payments	Modified compactive effort compaction testing method changed to standard compactive effort	C242.03 Table C242.3, Table C242.4 C242.08, C242.19, C242.20, C242.27	8 September 2015	
	Delete bound layer compaction acceptance alternatives	C242.20, C242.27		
	Substitute SWAC references with Certifying Engineer	All		
C213 - Earthworks	Substitute SWAC references with Certifying Engineer	All	8 September 2015	
D12 - Sewerage System	Amend reference documents	D12.03 D12.04 & D12.20	21 August 2015	
	Change from DECWW to OEH			
	Amend Design Information	D12.04 & D12.05		
	Inclusion of Trenchless Technology	D12.07 & D12.10		
	Inclusion of Trunk Sewer	D12.07		
	Change to Easements	D12.07		
	Deletion of Maintenance Shifts	D12.08		
	Update to Venting	D12.08		
	Inclusion of Covers & MH's	D12.08		
	Inclusion of Serviceability	D12.10		
	Inclusion of PVC requirements	D12.14		
	Change to SPS site access	D12.20		
	Inclusion of well size	D12.20		
	Update to Site Layout	D12.20		
	Inclusion of Diesel Pumps	D12.20		
	Inclusion of Fall Prevention System	D12.20		
	Inclusion of energy efficiency	D12.21		
	Update to switchboards	D12.22		
	Update to rising mains	D12.27		
	Inclusion of documentation	D12.31 &		


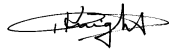
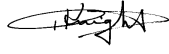
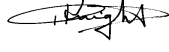
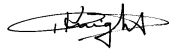
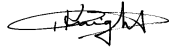

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	requirements	D12.32		
D13 - Engineering Plans (Subdivisions)	Remove SWAC certification and replace with NPER Add typical notes plan group Various additions to plan requirements and add scale at A3 Sewerage System Updates Electronic lodgement requirements added	D3.06. SUMMARIES D13.07. D13.09 D13.09. D13.10 A13.03. D13.09 D13.05	July 2015	
D6 - Site Regrading	Specify location of retaining wall/batter at lot/public land boundary Introduce specification for investigation and treatment of insitu soils Update references	D6.06A D6.17 D6.03, D6.05, D6.06, D6.08, D6.10, D6.14	23 June 2015	
C222 - Precast Box Culverts	Expand CCTV reporting requirements Change reference to SWAC to "Certifying Engineer"	C222.22 Various	12 June 2015	
C221 - Pipe Drainage	Expand CCTV reporting requirements Change reference to SWAC to "Certifying Engineer"	C221.28 Various	12 June 2015	
D7 - Stormwater Quality	Update references to TUSQMP to apply contemporary treatment measures and water quality objectives in accordance with Water By Design (Healthy Waterways Partnership, SEQ) Update reference and source documents Delete AQUALM modelling guidelines. Amend MUSIC modelling guidelines Delete Deemed to Comply measures for large subdivisions Move DA and CC SWMP and ESCP requirements to Annexure B	D7.01, D7.07A, D7.10 D7.03, D7.09, D7.11 D7.13 D7.11-2.2 D7.06, Annexure B	1 May 2015	


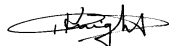

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C221 - Pipe Drainage	Remove all specifications related to steel pipes and pipe arches	C221.01, C221.10, C221.12, C221.14, C221.16, C221.18, C221.09, C221.11, C221.13, C221.15, C221.17	20 April 2015	
D2 - Pavement Design	Minimum pavement thickness for urban roads = 250mm	Table D2.2	2 January 2015	
C402 - Sewerage System	Addition of revised/new standard drawings Delete compressed air rising main testing alternative	C402.02.2(d) C402.47.12	28 August 2014	
D12 - Sewerage System	Addition of revised/new standard drawings	D12.03(d)	28 August 2014	
D9 - Development Design Specification	Update reference specifications and standard drawings Revised design standards to be consistent with Austroads, D1 and standard drawings	D9.03, Various D9.10, Table D9.1 (deleted)	13 August 2014	
D1 - Development Design Specification	Update referenced standards and RTA/RMS Revision of maximum cul de sac length and number of serviced allotments to provide consistency with DCP-A5 Revised lot frontages to cul de sacs Road upgrades for infill development Revised road cross section elements, with additional notes. Industrial road cross section expanded to include commercial land use. Amended footpath allocations for street lights Footpath and cycleway design revised to reference updated standard drawing and D9 Landscaping references to D14 Footpath crossfall corrected to 2.5% to	D1.03 and various D1.09.5 D109.5 D1.14.7 D1.14, Table D1.7 and notes D1.15, Table D1.8 D1.16, Table D1.9 deleted D1.16.11, D1.18.3	13 August 2014	


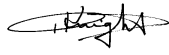
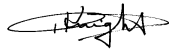



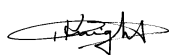
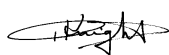
SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
	<p>reflect standard drawings, and revised handrail requirements for urban footpaths</p> <p>Location of boundary retaining within private land</p> <p>Tactile markers deleted</p> <p>Revised minimum kerb return radius for access street intersections</p> <p>Delete repetition of road hierarchy requirements for bus routes</p> <p>Require sealed shoulders on Class C and above Rural Roads to cater for cyclists; Allow gravel road formation for subdivisions on low volume rural roads</p> <p>Updated Rural Property Access requirements</p> <p>New fencing clause</p> <p>Update to reflect organisation structure</p>	<p>D1.16.4</p> <p>D1.16.6</p> <p>D1.16.7</p> <p>D1.17.15</p> <p>D1.21</p> <p>Table D1.11 and notes</p> <p>D1.30</p> <p>D1.35</p> <p>Various</p>		
D11 - Water Supply	<p>Definition regarding reference to Manager or Director within document</p> <p>Change from Director of Community and Natural Resources to Director</p>	<p>D11.03</p> <p>D11.07</p>	<p>13 May 2014</p> <p>13 May 2014</p>	
D12 - Sewerage System	<p>Definition regarding reference to Manager or Director within document</p> <p>Change from Director of Community and Natural Resources to Director</p>	<p>D12.03</p> <p>D12.05, D12.07, D12.20, D12.27</p>	<p>13 May 2014</p>	
D11 - Water Supply	<p>Addition to Pipeline regarding Trunk Main Connections.</p> <p>Amended Pipe Materials - General</p> <p>Moved - DUCTILE IRON (DI) PIPE AND FITTINGS from D11.13 to D11.11.</p> <p>Moved - UNPLASTICISED, MODIFIED PVC AND ORIENTED PVC from D11.11 to D11.12.</p> <p>Moved - ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE AND FITTINGS from D11.12 to D11.13.</p>	<p>D11.07</p> <p>D11.10</p> <p>D11.11</p> <p>D11.12</p> <p>D11.13</p>	<p>20 January 2014</p>	





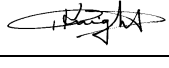
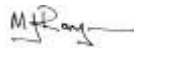
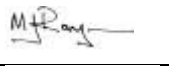



SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
	<p>Wording "Other Materials" added to Headings.</p> <p>Addition to Pump Stations - General, Flow Meters.</p> <p>Addition to Reservoirs - General, Flow Meters</p>	<p>D11.12, D11.13, D11.14, D11.15, D11.16, D11.17</p> <p>D11.24.13</p> <p>D11.32</p>		
D12 - Sewerage System	<p>Addition to scope.</p> <p>Amend/Addition to reference documents.</p> <p>Amend/Addition to General.</p> <p>Approval requirement updated.</p> <p>Design Loading - significant amendments.</p> <p>Amend sewer alignment requirements to include Plumbing and Drainage Act 2011 and Easement Policy.</p> <p>Update Council Directorates.</p> <p>Maintenance Structures - significant amendments.</p> <p>Pipeline - significant amendments.</p> <p>Changes to minimum vent pipe height, buffer, flow meters, private sewer ejection pump stations.</p> <p>Delete 'and the collector manhole'.</p> <p>Amend rising main scour valve design requirements.</p>	<p>D12.01</p> <p>D12.03</p> <p>D12.04</p> <p>D12.05</p> <p>D12.06</p> <p>D12.07</p> <p>D12.05, D12.07</p> <p>D12.08</p> <p>D12.10</p> <p>D12.20</p> <p>D12.24</p> <p>D12.27</p>	20 January 2014	
D5 - Stormwater Drainage Design	<p>Changes to major system criteria: factor of safety for rainfall intensity; increase freeboard to adjoining development.</p> <p>Interallotment drainage long sections may be required.</p> <p>Update references from standard drawings to C221.</p> <p>Update QUDM references.</p>	<p>D5.04, D5.12</p> <p>D5.17</p> <p>D5.18</p> <p>Various</p>	18 December 2013	








SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
C401 - Water Reticulation	<p>Amend minimum trench widths to provide minimum 450mm</p> <p>Clarify height requirements for bulkheads, in line with trench stops</p> <p>Amend witness point to hold point for pressure testing mains, amend hydrostatic test pressure, add excessive leakage rate to rectification works triggers and specify final water inspections immediately prior to subdivision final, as a hold point. Delete alternative compressed air test method.</p> <p>Add hold point for disinfection, and require flushing after disinfection</p>	<p>Table C401.1</p> <p>C401.29</p> <p>C401.37</p> <p>C401.39</p>	February 2013	
C402 - Sewerage System	<p>Amend minimum trench widths, to provide minimum 450mm</p> <p>Clarify height requirements for bulkheads, in line with trench stops</p>	<p>C402.1</p> <p>C402.29</p>	4 February 2013	
C2 - Pavement Design	<p>CBR testing requirements for subgrade evaluation</p> <p>Amend aggregate size for two-coat flush seals</p> <p>Update RMS, QDTMR and AUSTRROADS publications to current versions</p> <p>Change reference to Roads & Traffic Authority of NSW to RMS</p>	<p>D2.06; Table D2.2 (notes); Table D2.5</p> <p>D2.17; Table D2.3</p> <p>D2.03 D2.07 D2.11 D2.13 D2.17</p> <p>Table D2.2 (notes) Table D2.3 (notes)</p>	11 September 2012	
C242 - Flexible Pavements	<p>Reference QDTMR Standard Specification MRS05/MRTS05</p> <p>Refer to MRS05 material designations</p> <p>Amend lot compaction requirements</p> <p>Update referenced RMS and AUSTRROADS publications to current versions</p>	<p>C242.03 C242.05</p> <p>C242.08, Table C242.2</p> <p>C242.20 C242.27</p> <p>C242.03</p>	11 September 2012	
C230 - Subsurface Drainage General Version 1.2	Amend specified class of corrugated plastic pipe	C230.10	9 July 2012	

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
C101 - General Version 1.3	Update SWAC accreditation details	C101.01-4	9 July 2012	
D4 - Subsurface Drainage System	Amend specified class of corrugated plastic pipe	D4.10	9 July 2012	
D3 - Structures, Bridge Design Version 1.2	Amend references to Bridge Design Code AS5100	D3.04, various	9 July 2012	
D13 - Engineering Plans (Subdivisions) 1.6	Additional landforming detail required to demonstrate compliance with D6. Provision of additional site works details New Summaries Section New Notice of Commencement of Subdivision Works Defects Liability Period	D13.03.5, D13.15.6 D13.15.6 Summaries Appendix D.13E	9 July 2012	
D13 - Engineering Plans (Subdivisions) 1.5	Update format requirements for WAX plans Update references from DCP16 to DCP- A5 Minor updates to titles of compliance certificates	D13.13 Various Appendix D13.C and D13.D	18 February 2011	
D11 - Water Supply Version 1.4	Amend fire fighting pressures Amend Peak Daily Demands for residential development	D11.06.3 D11.07.1	1 February 2011	
C401 Water Reticulation Version 1.2	Updated references to Standard Drawings and WSAA Water Supply Code WSAA Water Supply Code. Reference Mechanical and Electrical Specifications to Replace MEW E101 Separation requirements for water mains WSAA Green detectable marking tape required Mains Trench stops of cement stabilized and Or concrete bulkheads required for grades to 14%. Clarify height requirements for Trench stops White hydrant covers, not yellow Pipeline testing not to commence until all Services installed in the area. Reduce test Duration from 8 to 4	Various C401.19 C401.27.16 C401.28.1 C401.30.3 C401.37	18 August 2010	

SPECIFICATION/ VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Engineering
	hours. Adopt WASA Formula for allowable leakage and specify 1000m max test length Update hydrant and valve marking Requirements. Delete references to Plates. Blue metal marking posts, not Delete sub-clause 4 relating to fixing of Marking plates after installation	C401.41		
C402 Sewerage System Version 1.5	Updated references to Standard Drawings and WSAA Water Supply Code. New Mechanical and Electrical To replace MEW E101 Trench stops of cement stabilized sand or concrete bulkheads required for grades to 14%. Clarify height requirements for Stops. Delete step iron clause Pipeline testing not to commence until all Utility services installed in the area. Test duration from 8 to 4 hours. Adopt Formula for allowable leakage and specify 100m max test length Specify CD/DVD contents and format for CCTV inspections	Various C402.28.1 C402.37 C402.47 C402.69	18 August 2010	
D11 Water Supply Version 1.3	Updated references to Standard Drawings and WSAA Supply Code. Reference Mechanical and Electrical Specifications to Replace MEW E101. Design demands for conveyancing of and service storage sizing - new clause Change from peak instantaneous demand to peak hourly demand for reticulation Fire flow requirements Separation requirements for reticulation per WSAA code Amend minimum pipe classes	Various D11.05 D11.06 D11.06 D11.08 D11.11 D11.13	18 August 2010	
D12 Sewerage System Version 1.6	Updated references to Standard Drawings and WSAA Water Supply Code, Mechanical and Electrical specifications to replace MEW E101 Sewer Overflow Risk Analysis Additional requirement Sewer depth to meet minimum height standards between soffit and house in AS/NZS 3500 Sewer Alignment: update DCNR approval reflect TSC structure, reference WSAA separation requirements for sewers, renumber subclauses 5 and 6	Various D12.04 D12.20 D12.05.2 D12.07	18 August 2010	

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	Maintenance Structures - significant amendments Performed Components for Pumpstations require approval from Manager of Water Delete multi-trode requirements Control building required for electrical Switchboards if CT metering required Telemetry compatible with Clear SCADA	D12.08 D12.20.07 D12.21 D12.22 D12.25		
D14 - Landscaping Public Space Version 1.2	Update standard drawings	D14.02 Appendix F (deleted)	13 August 2008	
C101 - General Version 1.2	Public insurance requirements and PCA definitions clarified Substitution of SWAC for CPE on small subdivisions	C101.01-6, C101.04-5, C101.05-4 C101.01-5, C101.04-3	11 April 2007	
C402 - Sewerage System Version 1.4	Clarify Maintenance hole cover frame sizing	C402.12.1	11 April 2007	
D13 - Engineering Plans (Subdivisions) Version 1.4	All design and WAX levels to AHD	D13.03.5, D13.15.2	11 April 2007	
D12 - Sewerage System Version 1.5	Update Standard Drawing List Delete requirement for step irons in maintenance structures Clarify manhole sizing and clear openings	D12.03 D12.08.3 D12.08.7	11 April 2007	
C402 - Sewerage System Version 1.3	Expanded CCTV inspection criteria and reporting Renumbered clauses	C402.64 - 70, C402.63 deleted C402.71 - 72	12 January 2007	
C273 - Landscaping Version 1.2	Add references to standard drawings <i>Protection of Infrastructure</i> clause added	C273.02 C273.12	12 January 2007	
C245 - Asphaltic Concrete Version 1.2	New tables in Summary of Limits and Tolerances	C245.14	12 January 2007	

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C222 - Precast Box Culverts Version 1.2	Expanded CCTV inspection criteria and reporting Renumbered clauses, including <i>Concrete Acceptance</i> Delete clause <i>Defects Revealed in CCTV Inspection</i> (previously C222.21)	C222.17 - 23 C222.24 - 27 C222.27	12 January 2007	
C221 - Pipe Drainage Version 1.2	Bulkhead requirements amended Expanded CCTV inspection criteria and reporting Renumbered clauses, including <i>Summary of Limits and Tolerances</i>	C221.03.10 added, c221.07.04 deleted C221.23 - 29 C221.30 - 32	12 January 2007	
D12 - Sewerage System Version 1.4	Pipe classes for road crossings Delete VC pipe requirement for industrial subdivisions	D12.10.2 D12.10.4	12 January 2007	
D2 Pavement Design Version 1.2	Revise pavement and subgrade replacement material properties, correction to minimum pavement thickness, subsoil drainage and underground infrastructure treatment, clarify CBR testing requirements	CI D2.23; Table D2.2 and notes; Table D2.3 and notes; new Table D2.5	17 May 2006	
D6 Site Regrading Version 1.3	Major Revision	D6.01, D6.02, D6.04, D6.05	26 April 2006	
D7 - Development Design Specification - Stormwater Quality	Updated for 4th Edition of Managing Urban Stormwater Soils and Construction, and AS/NZS 3500.3:2003. Table 7.11-WS: - inclusion of rainwater tanks, swales and bioretention trenches; reduce concession for site impervious percentage and filter strips; place threshold on wetland sizing concessions. Integrated Water cycle Management encouraged.	All references. D7.02, D7.04, D7.07, D7.10, D7.11, D7.11.- 2.12, D7.11-2.12 (Table 7.11- WS). D7.A2 Clause 2.2 "Application of Soil Loss Class"	1 August 2005	
D13 - Engineering Plans (Subdivisions)	Amended Subdivision Certificate Application process for WAX Plans	Appendix D13.A	16 August 2004	
D11 - Water Supply Version 1.2	Amendments to referenced standard drawings	D11.03	1 June 2004	
D11 - Water Supply Version 1.2	Delete reference to switch cabinet standard drawing	D11.25-10	1 June 2004	
D9 - Cycleway and Pathway Design Version 1.2	Amendments to referenced standard drawings	D9.03	1 June 2004	

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D5 - Stormwater Drainage Design Version 1.2	Amendments to referenced standard drawings	D5.03	1 June 2004	
D5 - Stormwater Drainage Design Version 1.2	Amended maximum kerb inlet length to side entry pits	D5.10.4	1 June 2004	
D4 - Subsurface Drainage System Version 1.2	Amendments to referenced standard drawings	D4.04	1 June 2004	
D1 - Road Design Version 1.3	Amendments to referenced standard drawings	D1.03	1 June 2004	
D12 - Sewerage System Version 1.2	Amendments to referenced standard drawings	D12.03; D12.20-3; D12.22-1	1 June 2004	
D12 - Sewerage System Version 1.2	Review of Pump Station standard drawings and associated specification	D12.20- D12.26	1 June 2004	
D12 - Sewerage System Version 1.2	Gravity discharge for scour valves	D12.27.1	1 June 2004	
D7 - Stormwater Quality Version 1.2	Amendments to referenced standard drawings	D7.03	1 June 2004	
D7 - Stormwater Quality Version 1.2	Correction large subdivisions & housing developments > 5ha	D7.11-2.2; D7.11-3.2	1 June 2004	
D7 - Stormwater Quality Version 1.2	Correction AQUALM Water Quality Variable for Total N from Urban Catchment	D7.13.2	1 June 2004	
D7 - Stormwater Quality Version 1.2	Correction Table 2, Pollutant Loadings for Total Phosphorus & Total Nitrogen	D7.13.3	1 June 2004	
D7 - Stormwater Quality Version 1.2	Delete all references to DCP41	All occurrences	1 June 2004	
D13 - Engineering Plans (Subdivisions) Version 1.2	Amended Subdivision Certificate Application process for WAX Plans	D13.12, D13.14, D13.16, D13.17, D13.18, Appendix D13.A-F	4 May 2004	
D1 - Road Design Version 1.2	Reference Standard Drawings and updated Cross Section tables to be	D1.03 (c) Table D1.7	4 August 2003	

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	consistent with drawings	Table D1.8		
D6 – Site Regrading/ Version 1.2	Fill gradient error corrected	D6.06.4	7 July 2003	