

CONSTRUCTION STANDARD SPECIFICATIONS



AMENDMENT REGISTER

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
14/05/17	55	14.2	Diameters requiring testing amended and IDS appendix referenced	10.4
14/05/17	55	14.2.3	Allowable loss added and minimum head reduced. Preparation defined	10.4
14/05/17	56	14.2.4	Test head reduced, preparation defined	10.4
14/05/17	56	14.2.5	Amended clause with updated info	10.4
14/05/17	150	SD344	Haunching material changed	10.4
15/08/17	3	SD341/5	Error in label rubber (60° IRHD hardness) strip	10.3
31/07/17	1/7,8	7.0	Notice board template changed	10.2
31/03/17	all		Copyright statement added	10.1
31/03/17	1	5.0	Requirement for CWW stamp on construction plan	10.1
31/03/17	1	5.6	As-built records to IDS to be supplied	10.1
31/03/17	1	Old 6.2.1	Clause deleted	10.1
31/03/17	1	Old 6.2.2	Clause deleted	10.1
31/03/17	1	Old 6.2.3	Now clause 6.5	10.1
31/03/17	1	Old 6.2.4	Clause deleted	10.1
31/03/17	1	Old 6.2.5	Clause deleted	10.1
31/03/17	1	7.0	NZTA logo availability	10.1
31/03/17	1	7.2	NZTA logo use	10.1
31/03/17	1	9.0	Worksafe Safety with Underground Services and NZTA Utility Identification and Protection referenced	10.1
31/03/17	1	10	COP for Electrical Safe Distances referenced	10.1
31/03/17	1	New 17.0	New clause - Environmental Management Plan	10.1
31/03/17	1	Old 17.0 now 17.1	Asbestos regulations referenced, competency certification added	10.1
31/03/17	1	18.2	ECan ESC guide compliance required	10.1
31/03/17	1	19.2	Waterway includes setbacks	10.1
31/03/17	1	19.3	District Plan terminology changes	10.1
31/03/17	1	20.0	Archaeological Discovery Protocol referenced	10.1
31/03/17	1	25.0	Subclauses deleted and reference to CTOC document	10.1
31/03/17	1	27.1	Permission timing amended	10.1
31/03/17	1	28.0	CSS doesn't overwrite National Code,	10.1

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
			reference to webpage	
31/03/17	1	32.8	Grading amended, name changed	10.1
31/03/17	1	33.0	TNZ M/10 upgraded, sub-clauses for CCC mixes deleted	10.1
31/03/17	1	SD101	Asphalt mixes changed to new M/10	10.1
31/03/17	1	SD102	Temporary Bus Stop detail deleted	10.1
31/03/17	1	SD103	Protected zone increased	10.1
31/03/17	2	4.0	ECan Stream works guide required	10.1
31/03/17	2	5.0	HAIL EMP referenced added	10.1
31/03/17	3	5.3	H&S in part 1 referenced	10.1
31/03/17	3	6.1	Council webpage referenced	10.1
31/03/17	3	6.4.4	Worksafe guideline referenced	10.1
31/03/17	3	6.7	Dewatering guideline referenced	10.1
31/03/17	3	7.0	PE pipe jointing constraints added	10.1
31/03/17	3	7.1	PE pipe jointing constraints added	10.1
31/03/17	3	7.3	Approved welders added	10.1
31/03/17	3	7.3.3	Approved welders added	10.1
31/03/17	3	7.3.6	Date welded to be marked	10.1
31/03/17	3	7.4.3	Approved welders added	10.1
31/03/17	3	7.4.6	Date welded to be marked	10.1
31/03/17	3	7.4.7	Bead removal refined	10.1
31/03/17	3	8.0	IDS As-built requirements added	10.1
31/03/17	3	8.5, 8.6, new 8.7	Old 8.5, 8.6 subclauses reordered	10.1
31/03/17	3	8.6.3	Concrete protection slab reinstatement specified	10.1
31/03/17	3	8.9.3	Substantial revision	10.1
31/03/17	3	9.0	Bending radii constraints added	10.1
31/03/17	3	9.1.3	Drilled maximum depth amended	10.1
31/03/17	3	11.0	Inspection point location specified	10.1
31/03/17	3	11.3	End caps for PSS too	10.1
31/03/17	3	11.5	Overpumping guide referenced	10.1
31/03/17	3	12.9	Manhole top finish amended	10.1
31/03/17	3	12.11	Neck dimensions amended	10.1
31/03/17	3	12.13	Ensure sucker truck access	10.1
31/03/17	3	13.1	New – Lined pipes	10.1
31/03/17	3	14.2	Test methods by diameter amended	10.1
31/03/17	3	14.2.5	AS 2032 method required as amended	10.1
31/03/17	3	14.3	Approved testers required, testing against closed valve defined	10.1
31/03/17	3	14.3.2	Test methods amended, derated pressures used	10.1
31/03/17	3	14.3.3	Test pressure defined	10.1
31/03/17	3	14.5	Test results and documentation requirements added	10.1
31/03/17	3	14.5.1	Substantial revision	10.1
31/03/17	3	14.5.2	Substantial revision	10.1

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31/03/17	3	14.5.3	Substantial revision	10.1
31/03/17	3	14.5.4	Old 14.5.5 combined, test by length	10.1
31/03/17	3	14.5.5	Substantial review	10.1
31/03/17	3	14.5.6	Council to accept all NCRs, tees can be tested, NCRS used in welder approval	10.1
31/03/17	3	14.7	New – CCTV Inspection and sub-clauses including old 14.2.6 Substantial revision for new process	10.1
31/03/17	3	16.4.2	SD referenced	10.1
31/03/17	3	16.4.3	SD referenced	10.1
31/03/17	3	18.0	New – PSS Commissioning	10.1
31/03/17	3	19.0	New – As-built tRecords	10.1
31/03/17	3	App 7	New - PE Weld Testing Information Requirements	10.1
31/03/17	3	App 8	New - CCTV Drainage summary sheet – Main line	10.1
31/03/17	3	App 9	New -CCTV Drainage summary sheet – Wastewater Lateral Joint	10.1
31/03/17	3	SD301/1	Fish changed	10.1
31/03/17	3	SD301/2-7	Date changed only	10.1
31/03/17	3	SD301/8	New - Cycle safe sump grating and frame	10.1
31/03/17	3	SD302/1	Note added, benching to SD303	10.1
31/03/17	3	SD302/2	35mm rebate	10.1
31/03/17	3	Old SD302/3	Combined with other sheets	10.1
31/03/17	3	SD303/1	Name Ø change, cut outs added	10.1
31/03/17	3	SD303/2	Circular reinforcement	10.1
31/03/17	3	SD303/2	Name change, note 3, 6 amended	10.1
31/03/17	3	SD303/4	Name change, substantial revision	10.1
31/03/17	3	SD303/5	New - Manhole Benching – Tiled Invert	10.1
31/03/17	3	SD304	Note 2	10.1
31/03/17	3	SD305/1	Name change, min depth, note 3	10.1
31/03/17	3	SD305/2	Vent removed	10.1
31/03/17	3	SD307	New - 600mm mini manhole for Pipes up to DN180	10.1
31/03/17	3	SD308	New – Polyethylene Chamber Cover Adjustment	10.1
31/03/17	3	SD311	Reinforcing amended	10.1
31/03/17	3	SD312	Reinforcing amended, note 2	10.1
31/03/17	3	SD325/1	Note 5	10.1
31/03/17	3	SD325/2	New - Cycleway Sump - Flat Channel	10.1
31/03/17	3	SD329	Trapped dimension added	10.1
31/03/17	3	SD330	New - Dome Sump	10.1

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
31/03/17	3	SD341/2	Corbel added	10.1
31/03/17	3	SD341/3	Detail removed, amended	10.1
31/03/17	3	SD341/2	Corbel added	10.1
31/03/17	3	SD341/4	Note 1	10.1
31/03/17	3	SD342	Type 3 revised	10.1
31/03/17	3	SD343	Name change, dimensions, notes	10.1
31/03/17	3	SD347	Depth added. note	10.1
31/03/17	3	SD350/1	New - Bank Reinstatement to Outfall for Slopes 35-50 Deg	10.1
31/03/17	3	SD350/2	New - Bank Reinstatement to Outfall for Slopes >50 Deg	10.1
31/03/17	3	SD351	New - Rural Headwall	10.1
31/03/17	3	SD352	New - Stabilisation Raft to Outfall in Soft Ground	10.1
31/03/17	3	SD363	150mm added, note 4	10.1
31/03/17	3	SD366/1	New - CIPP Lined Main to lateral connection	10.1
31/03/17	3	SD366/2	New - Large Ø Lined Pipe lateral connection	10.1
31/03/17	3	SD366/3	New - Lined PVC-EW lateral connection	10.1
31/03/17	3	SD371/1	Name change	10.1
31/03/17	3	SD375	Name change	10.1
31/03/17	3	SD378	Note 2	10.1
31/03/17	3	SD383	Substantial revision	10.1
31/03/17	3	SD384/1	Bends, filter fabric	10.1
31/03/17	3	SD384/2	New - Pressure Sewer Non-Trafficable Property Boundary Kit	10.1
31/03/17	3	SD384/3	New - Pressure Sewer Boundary Kit Layout	10.1
31/03/17	3	SD385	New - Pressure Sewer Valve Cover	10.1
31/03/17	3	SD386	New - Pressure Sewer System Chamber Typical Location	10.1
31/03/17	4	3.1	Installer site presence relaxed	10.1
31/03/17	4	4.1	Hygiene Certificate required to template	10.1
31/03/17	4	5.1	Bonding strap requirement	10.1
31/03/17	4	5.2	Worksafe guideline, Part 1 referenced	10.1
31/03/17	4	7.2	Shutdown notification dates changed	10.1
31/03/17	4	9.0	Worksafe guideline, Council webpage, guideline referenced	10.1
31/03/17	4	9.4	Max cover reduced	10.1
31/03/17	4	9.5	Submain – pressure sewer changed	10.1
31/03/17	4	10.2	Approved welders, test relaxations	10.1
31/03/17	4	10.2.3	Approved welders added	10.1
31/03/17	4	10.2.6	Date welded to be marked	10.1
31/03/17	4	10.3	Test relaxation	10.1

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
31/03/17	4	10.3.3	Approved welders added	10.1
31/03/17	4	10.3.6	Date welded to be marked	10.1
31/03/17	4	11.1	Bending radii constraints amended	10.1
31/03/17	4	11.5	New – Water stops	10.1
31/03/17	4	11.6	New – Pipe protection	10.1
31/03/17	4	11.7.2	Maximum depths added	10.1
31/03/17	4	12.1	Stainless bolt grade specified	10.1
31/03/17	4	12.4	AC grade changed	10.1
31/03/17	4	12.5.1	Thrust block is default installation	10.1
31/03/17	4	12.6	Renamed clause	10.1
31/03/17	4	12.7	Substantial revision	10.1
31/03/17	4	14.0	Valves to be open, chlorination process relaxed	10.1
31/03/17	4	15.0	Council approval needed prior	10.1
31/03/17	4	15.2	Approved chlorinators required	10.1
31/03/17	4	15.3	Approved chlorinator to sample	10.1
31/03/17	4	16.0	Contamination requirements, WS1 use	10.1
31/03/17	4	16.1	Liability added	10.1
31/03/17	4	16.3.2	Substantial revision	10.1
31/03/17	4	16.3.4	Covers added	10.1
31/03/17	4	16.3.7	New – Multiple Meters	10.1
31/03/17	4	17.0	Council to witness	10.1
31/03/17	4	17.2	Test results and documentation requirements added	10.1
31/03/17	4	17.2.1	Test methods by diameter amended	10.1
31/03/17	4	17.2.2	Substantial revision	10.1
31/03/17	4	17.2.3	Substantial revision	10.1
31/03/17	4	17.2.4	Old 17.2.5 combined, test by length	10.1
31/03/17	4	17.2.5	Substantial review	10.1
31/03/17	4	17.3	Approved PE testers	10.1
31/03/17	4	17.3.4	Additional method added	10.1
31/03/17	4	19.2	Circles not required	10.1
31/03/17	4	20.0	Substantial revision	10.1
31/03/17	4	App 5	New - PE Weld Testing Information Requirements	10.1
31/03/17	4	App 6	New – Hygiene Certificate	10.1
31/03/17	4	SD401	Material amendments	10.1
31/03/17	4	SD402	Tall hydrant, Note 3	10.1
31/03/17	4	SD403/1	Note 1	10.1
31/03/17	4	SD404	Circle removed	10.1
31/03/17	4	SD411	Dimension to valve, barrier removed	10.1
31/03/17	4	SD412	Dimension to valve cover amended	10.1
31/03/17	4	SD421	New - Water Supply Backflow Preventer RPZ	10.1
31/03/17	5	8.2	Lighting standard changed	10.1
31/03/17	6	5.4	Change of AC grade	10.1
31/03/17	6	5.5	Change of AC grade	10.1

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31/03/17	6	5.7	Change of AC grade	10.1
31/03/17	6	10.2.2	clause deleted	10.1
31/03/17	6	10.5	Weedkiller changed	10.1
31/03/17	6	11.7.2	Test options changed	10.1
31/03/17	6	12.0	New – Stabilisation	10.1
31/03/17	6	17.3	Change of AC grade, voids	10.1
31/03/17	6	25.2	Substantial revision, change of standard, clause name	10.1
31/03/17	6	25.3	Single sided signs, finish added	10.1
31/03/17	6	25.3.1	Plate colour deleted	10.1
31/03/17	6	25.3.2	Substantial revision	10.1
31/03/17	6	25.3.3	Letters changed, plate removed	10.1
31/03/17	6	25.4	Brackets, naming changed	10.1
31/03/17	6	25.5	Wood post restricted, steel post removed, footing design	10.1
31/03/17	6	25.6	Standard changed, naming amended	10.1
31/03/17	6	27.0	New – As-built Records	10.1
31/03/17	6	SD606/1	Note 6	10.1
31/03/17	6	SD606/2	New - Commercial Vehicle Crossing	10.1
31/03/17	6	SD607	Note 3	10.1
31/03/17	6	SD612	Change of AC grade	10.1
31/03/17	6	SD614	Nib kerb height increased	10.1
31/03/17	6	SD615	Change of AC grade	10.1
31/03/17	6	SD616	District Plan naming	10.1
31/03/17	6	SD621	End detail, mesh dimension changed, note 2 3	10.1
31/03/17	6	SD623	Note 3	10.1
31/03/17	6	SD627	New - Traffic signal pole relative to kerb cutdown	10.1
31/03/17	6	SD631	Change of AC grade	10.1
31/03/17	6	SD634	Header strip added, change of AC grade, depth	10.1
31/03/17	6	SD635/1	Central rail removed, roadmarking moved, RG17 alignment, rail spacing	10.1
31/03/17	6	SD635/2	Tapping rail added, notes changed	10.1
31/03/17	6	SD643	Detail deleted	10.1
31/03/17	6	SD644	Dimensions amended	10.1
31/03/17	6	SD643	Detail deleted	10.1
31/03/17	6	SD646	Detail deleted	10.1
31/03/17	6	SD647	Galvanised post removed, timber footing amended, note 3	10.1
31/03/17	6	SD649	Hazard marker height amended	10.1
31/03/17	6	SD660	Supplementary sign amended	10.1
31/03/17	6	SD661	Note 2	10.1
31/03/17	6	SD662	Dimensions amended	10.1
31/03/17	7	4.2	Tree Supply Inspection Form required	10.1
31/03/17	7	4.3.1	Relaxation of requirements	10.1

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
31/03/17	7	5.2	Council nursery details amended	10.1
31/03/17	7	5.3	Long tree treatment, pot return added	10.1
31/03/17	7	6.6	Minimum pit dimensions and shapes added	10.1
31/03/17	7	6.7	Depth of tree amended	10.1
31/03/17	7	6.9	Depth of tree amended	10.1
31/03/17	7	7.8	Hole depth added, guide referenced	10.1
31/03/17	7	8.3.1	Substantial revision	10.1
31/03/17	7	8.3.2	Clause name change	10.1
31/03/17	7	9.2	Hessian tree ties only	10.1
31/03/17	7	10.2	Locations, thickness added	10.1
31/03/17	7	11.0	Tree guards deleted	10.1
31/03/17	7	14.3.1	Handover criteria added	10.1
31/03/17	7	14.3.2	Handover criteria added	10.1
31/03/17	7	14.6.2	Root pruning requires qualified arborist	10.1
31/03/17	7	15.0	New – Reserve Fencing	10.1
31/03/17	7	16.0	New – As-built Records	10.1
31/03/17	7	SD702/1	Substantial revision	10.1
31/03/17	7	SD702/2	Substantial revision	10.1
31/03/17	7	SD703	Mulch surface domed	10.1
31/03/17	7	SD704	Substantial revision	10.1
31/03/17	7	SD705	Detail deleted	10.1
31/03/17	7	SD707/1	Detail deleted	10.1
31/03/17	7	SD707/2	Detail deleted	10.1
31/03/17	7	SD707/3	Detail deleted	10.1
31/03/17	7	SD708	Name changed, depth, dimensions amended	10.1
31/03/17	7	SD709	Depth, dimensions amended	10.1
31/03/17	7	SD710	Name changed, dimensions amended	10.1
31/03/17	7	SD714	Substantial revision	10.1
31/03/17	7	SD715	Substantial revision	10.1
31/03/17	7	SD717	Slab increased	10.1
31/03/17	7	SD722	New – Boulder in Plant Bed	10.1
31/03/17	7	SD726	Name changed, post and batten edging dimensions amended	10.1
31/03/17	7	SD735/1	Diamond length increased	10.1
31/03/17	7	SD735/2	New – Hinged Bollard	10.1
31/03/17	7	SD736	Detail deleted	10.1
31/03/17	7	SD737/1	New – Cemetery Concrete Burial Beams	10.1
31/03/17	7	SD737/2	New – Cemetery Concrete Muslim Burial Beams	10.1
20/02/15	3	SD 301/5	Note corrected	9.1
20/02/15	3	SD 325	Grate sump amended	9.1
20/02/15	3	SD 329	Grate sump amended	9.1
30/01/15	4	SD	Substantial revision	9.1

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
		403/1,2		
30/01/15	6	SD 663	Hook turn amended	9.1
30/04/14	1	6.0	Substantial rewrite to reflect CTOC, incorporation of Local Road Supplement in CoPTTM and LOPs	9.0
30/04/14	1	6.1	Substantial rewrite to reflect CTOC and LOPs	9.0
30/04/14	1	Old 6.2.1	Clause deleted	9.0
30/04/14	1	Old 6.2.2	Clause deleted	9.0
30/04/14	1	6.2.1	Substantial rewrite	9.0
30/04/14	1	Old 6.2.4	Clause deleted	9.0
30/04/14	1	6.2.2	Substantial rewrite	9.0
30/04/14	1	6.2.3	New form and route map referenced	9.0
30/04/14	1	6.2.5	New clause – Bus Operations	9.0
30/04/14	1	6.3	Clause deleted	9.0
30/04/14	1	Old 6.6	Clause deleted	9.0
30/04/14	1	Old 6.7	Clause deleted	9.0
30/04/14	1	9.1	New clause – The Christchurch Tram	9.0
30/04/14	1	16.1	Mico now Humes	9.0
30/04/14	1	27.1	Permissions now obtained from CTOC	9.0
30/04/14	1	27.3	Clause deleted	9.0
30/04/14	1	27.4.2	Notifications to CTOC	9.0
30/04/14	1	28.0	Beforeudig doesn't advise on reticulated gas	9.0
30/04/14	1	31.0	New clause – Water and Wastewater Permit to Work	9.0
30/04/14	1	32.8	New clause – CCC Drainage AP20	9.0
30/04/14	1	34.2	Grass seed mix amended	9.0
30/04/14	1	Old 33.5	Clause deleted	9.0
30/04/14	1	Appendix 2	New Tramway Route	9.0
30/04/14	1	Appendix 3	Application form changed	9.0
30/04/14	2	9.5	Clause name amended and mixed appearance specified	9.0
30/04/14	2	9.6	New clause – Finishing from splitting 9.5	9.0
30/04/14	2	9.7.5	Compost or soil conditioner added	9.0
30/04/14	2	9.7.6	Compost or soil conditioner added	9.0
30/04/14	3	5.3.1	Plug specified	9.0
30/04/14	3	5.3.2	Treatment refined	9.0
30/04/14	3	5.3.3	Substantial rewrite	9.0
30/04/14	3	6.4.6	AS/NZS 2566.2 referenced	9.0
30/04/14	3	6.9.5	AS/NZS 2566.2 referenced	9.0
30/04/14	3	7.1	Support liner required	9.0
30/04/14	3	7.3.3	NZQA unit standards required	9.0

Date of Issue	Part/ Pages	Clause/ Drawing	Details of Amendment	Version No.
30/04/14	3	7.3.4	Logging facilities specified	9.0
30/04/14	3	7.3.5	Out of roundness to be measures before peeling	9.0
30/04/14	3	7.4.3	NZQA unit standards required	9.0
30/04/14	3	8.5.1	AS/NZS 2566.2 referenced. Drainage AP20 compaction requirements added. Test methods added. Geotextile not always used.	9.0
30/04/14	3	8.5.6	AS/NZS 2566.2 referenced. Geotextile not always used.	9.0
30/04/14	3	8.7	PE added to cover restrictions	9.0
30/04/14	3	8.8	Mechanical coupler restrictions added	9.0
30/04/14	3	8.8.3	Spindle cover use refined	9.0
30/04/14	3	8.10.3	RRJ connector sentence deleted	9.0
30/04/14	3	8.10.6	Drop structure requirement amended	9.0
30/04/14	3	8.11.8	Special connectors removed, short pipes added	9.0
30/04/14	3	9.0	Pinching not permitted. Bending radius added	9.0
30/04/14	3	9.2	Sizes added to table	9.0
30/04/14	3	11.6	Reference corrected	9.0
30/04/14	3	12.1	Old document reference deleted	9.0
30/04/14	3	12.2.1	References updated	9.0
30/04/14	3	12.11.7	Moved from 13.0	9.0
30/04/14	3	13.0	Sentence deleted	9.0
30/04/14	3	14.2.5	600mm added to table and error 450 dia corrected	9.0
30/04/14	3	14.2.6	CCTV of laterals added	9.0
30/04/14	3	14.3.2	Formula corrected in standard. Minimum monitoring period defined, air removal specified	9.0
30/04/14	3	14.4	Vacuum testing against interface valves not permitted	9.0
30/04/14	3	14.5.1	Witness mark to be photographed	9.0
30/04/14	3	14.5.2	New clause – Preconstruction joint testing during construction – Electrofusion saddles	9.0
30/04/14	3	14.5.3	Type A and Type B required for pipes with walls > 25mm	9.0
30/04/14	3	14.5.4	Type B added for pipes with walls > 25mm	9.0
30/04/14	3	14.5.5	New clause – Joint testing during construction – Electrofusion saddles	9.0
30/04/14	3	14.6	Appendix O AS/NZS 2566.2 error in formula	9.0
30/04/14	3	16.1	Ductile iron added	9.0
30/04/14	3	16.3.1	Amended for vented 600mm covers	9.0

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30/04/14	3	16.3.2	Amended for vented 600mm covers	9.0
30/04/14	3	16.4.2	Amended for vented 600mm covers	9.0
30/04/14	3	16.4.3	Amended for vented 600mm covers	9.0
30/04/14	3	Appendix 3	New Electrofusion Welding Checksheet	9.0
30/04/14	3	SD 301/1	Changed to 600mm cover with fish, reference to approved materials list	9.0
30/04/14	3	SD 302/1	Name changed, vent box deleted, Amended to 600mm vented cover	9.0
30/04/14	3	SD 302/2	Amended to 600mm vented cover	9.0
30/04/14	3	SD 302/3	Amended to 600mm vented cover	9.0
30/04/14	3	SD 303/1	Amended to 600mm vented cover, 150mm riser	9.0
30/04/14	3	SD 303/2	Amended to 600mm vented cover	9.0
30/04/14	3	SD 303/3	150mm minimum riser	9.0
30/04/14	3	SD 305/1	New drop structure	9.0
30/04/14	3	SD 305/2	New detail – Pressure Sewer Discharge into Manholes with Drop Structure	9.0
30/04/14	3	SD 306/1	Amended to 600mm cover	9.0
30/04/14	3	SD 306/2	Amended to 600mm vented cover	9.0
30/04/14	3	SD 311/1	Amended to 600mm cover	9.0
30/04/14	3	SD 311/2	Amended to 600mm cover	9.0
30/04/14	3	SD 312	Amended to 600mm vented cover	9.0
30/04/14	3	SD 313	Material specification amended	9.0
30/04/14	3	SD 341/1	Corbel references amended, name changed, sumps don't require corbel	9.0
30/04/14	3	SD 341/2	Flexible joints added, circular manhole moved to sheet 4	9.0
30/04/14	3	SD 341/3	Page number only	9.0
30/04/14	3	SD 341/4	Corbel details changed, name changed, long socket moved to sheet 2	9.0
30/04/14	3	SD 341/5	New detail – Pressure Pipelaying at Manholes for PE Pipes	9.0
30/04/14	3	SD 344/2	AS/NZS 2566.2 referenced, widths amended, geotextile where specified	9.0
30/04/14	3	SD 344/3	AS/NZS 2566.2 referenced,	9.0
30/04/14	3	SD 363	Inspection point for testing	9.0
30/04/14	3	SD 364/1	Inspection point for testing	9.0
30/04/14	3	SD 364/2	Inspection point for testing	9.0
30/04/14	3	SD 383	New detail – Pressure Sewer Flushing Point	9.0
30/04/14	3	SD 384	New detail – Pressure Sewer Trafficable Property Boundary Kit	9.0
30/04/14	4	9.5	Clearance table updated	9.0
30/04/14	4	11.1	Pinching not permitted. Bending radius added	9.0

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30/04/14	4	11.4.2	Bedding compaction density added	9.0
30/04/14	4	11.5	Bending radius moved to 11.1	9.0
30/04/14	4	12.0	Branch saddle drilling requirements and mechanical coupler restrictions added	9.0
30/04/14	4	12.1	New clause – Fasteners with content from 12.0	9.0
30/04/14	4	12.2	Tapers renamed as reducers	9.0
30/04/14	4	12.2.3	Minimum width for excavation for box installation	9.0
30/04/14	4	16.3	Combination boxes are water meter boxes	9.0
30/04/14	4	17.2.2	New clause – Preconstruction joint testing during construction – Electrofusion saddles	9.0
30/04/14	4	17.2.5	New clause – Joint testing during construction – Electrofusion saddles	9.0
30/04/14	4	SD 401	Materials added	9.0
30/04/14	4	SD 403	Site layout changed, restricted connection added	9.0
30/04/14	4	SD 405	Formatting changes	9.0
30/04/14	4	SD 411	Thrust block and anchor block amended, including reinforcing	9.0
30/04/14	6	19.2	Mix design to be specified	9.0
30/04/14	6	SD 606	July 2013 revision incorporated	9.0
30/04/14	6	SD 608	Commercial crossings are site specific	9.0
30/04/14	6	SD 613	Minimum widths amended, crossfall application delineated	9.0
30/04/14	6	SD 621	Mesh and fixings amended	9.0
30/04/14	7	4.0	Substantial rewrite	9.0
30/04/14	7	6.0	Site preparation in Part 2	9.0
30/04/14	7	7.0	Site preparation in Part 2	9.0
30/04/14	7	7.3	Plant distance from bed edge specified	9.0
30/04/14	7	8.4	Clause deleted	9.0
30/04/14	7	8.6.3	Clause deleted	9.0
30/04/14	7	8.7.4	Clause deleted	9.0
30/04/14	7	SD 702	Topsoil mixture specified	9.0
30/04/14	7	Appendix 3	New Tree Inspection Supply Form	9.0
31/07/13	6	SD 606	Note 5 width corrected	
31/07/13	6	SD 621	Pole specification, detailing and spacing updated	
1/03/13	1	3.0	New definition – Qualified arborist	8.0
1/03/13	1	6.0	Substantial rewrite to reflect updates to CoPTTM, new equipment, the post-earthquake TM environment and	8.0

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1/03/13	1	16.1	New subclause - Standpipes	8.0
1/03/13	1	17.0	New clause - Asbestos	8.0
1/03/13	1	19.0	Clause amended to comply with RMA92019127 and reflect accepted SCIRT practice	8.0
1/03/13	1	20.0	New clause – Archaeological Discovery	8.0
1/03/13	1	28.0	RON replaced with CAR and SNZ replaced with National Code	8.0
1/03/13	1	29.1	RON replaced with CAR	8.0
1/03/13	1	29.2	Density specification and test method amended	8.0
1/03/13	1	29.3	Density specification and test method amended	8.0
1/03/13	1	29.4	Density test method amended	8.0
1/03/13	1	29.5	RON replaced with WAP, NDM qualification added	8.0
1/03/13	1	30.1	RON replaced with CAR and SNZ replaced with National Code	8.0
1/03/13	1	31.0	Aggregate testing to be carried out in an approved laboratory	8.0
1/03/13	1	31.14	AP20 replaced with AP40	8.0
1/03/13	1	34.1.5	Soil testing to be carried out in an approved laboratory	8.0
1/03/13	1	34.2.3	Soil testing to be carried out in an approved laboratory	8.0
1/03/13	1	SD 110	New detail – Tree Drip Line	8.0
1/03/13	3	3.0	Diameters nominal internal default	8.0
1/03/13	3	5.1.3	New clause – Asbestos Watermains	8.0
1/03/13	3	5.2.1	Content moved to clause 5.3.1	8.0
1/03/13	3	5.3	New clause – Redundant and abandoned services and related measure of works	8.0
1/03/13	3	7.1	Metal component wrapping added	8.0
1/03/13	3	7.3	Changes throughout clause	8.0
1/03/13	3	7.4	Changes throughout clause	8.0
1/03/13	3	8.1	Vacuum sewer gradient requirements	8.0
1/03/13	3	8.5.1	Compaction standards, geotextile use, density test methods added	8.0
1/03/13	3	8.5.6	New clause - Geotextiles	8.0
1/03/13	3	8.5.7	New clause - Pipe foundations	8.0
1/03/13	3	Old 8.6.1	Clause deleted	8.0
1/03/13	3	8.7	Out of roundness moved to clause 14.6	8.0
1/03/13	3	8.8, 8.8.1	“safe” removed from bearing capacity	8.0
1/03/13	3	8.8.3	New clause – Valves and surface	8.0

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			covers	
1/03/13	3	8.10.5	New clause – Long socket connectors	8.0
1/03/13	3	8.10.6	New clause – Collector sewers	8.0
1/03/13	3	8.11.1	Joint wrapping added	8.0
1/03/13	3	8.11.3	New clause – Geotextile measure of work	8.0
1/03/13	3	9.1.3	Cover to small pipes and maximum cover amended	8.0
1/03/13	3	9.3	New clause – Pressure Sewer Systems	8.0
1/03/13	3	Old 10.4	Clause deleted	8.0
1/03/13	3	11.7	New clause – Connecting to existing laterals	8.0
1/03/13	3	12.3	Reinforcement notation changed	8.0
1/03/13	3	12.11	Depth standard added	8.0
1/03/13	3	12.11.2	Ladders removed	8.0
1/03/13	3	12.11.6	New clause – New pipe invert in existing manhole	8.0
1/03/13	3	12.15	Silt, master and oil traps removed	8.0
1/03/13	3	12.18.2	New pipe invert in existing manhole added	8.0
1/03/13	3	14.2.5	Table extended to <150mm dia	8.0
1/03/13	3	14.2.6	CCTV for Earthquake Recovery added, lengths clarified	8.0
1/03/13	3	14.3.2	Substantial rewrite	8.0
1/03/13	3	14.3.3	New clause – Polyethylene pipe over DN315	8.0
1/03/13	3	14.3.4	New clause – Self tapping electrofusion saddles	8.0
1/03/13	3	14.4	New clause – Vacuum Sewer Tests	8.0
1/03/13	3	14.5	Substantial rewrite	8.0
1/03/13	3	14.5.5	New clause – Joint test failures	8.0
1/03/13	3	14.6	New clause – Flexible Pipe Ovality Test	8.0
1/03/13	3	16.2	Maximum neck extended	8.0
1/03/13	3	16.3	Maximum neck extended	8.0
1/03/13	3	17.0	WAP and CAR added	8.0
1/03/13	3	Appendix 4, 5	New Weld Record Log Sheet Templates	8.0
1/03/13	3	Various SDs	Ladders removed, reinforcing nomenclature changed, construction sealant naming simplified, bearing load terminology clarified	8.0
1/03/13	3	SD 301/4	Detail deleted	8.0
1/03/13	3	SD 303/1, 3	100mm riser immediately below manhole top	8.0
1/03/13	3	SD 322	Drawing clarified	8.0
1/03/13	3	SD 324	Grate spec changed, dimension of	8.0

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			weir verified	
1/03/13	3	SD 325	Wavy sump grate replaces single grate	8.0
1/03/13	3	SD 341/2	Round manhole, long socket connectors added	8.0
1/03/13	3	SD 341/4	New detail – Long Socket Manhole Connector	8.0
1/03/13	3	SD 342	Type E protection width reduced	8.0
1/03/13	3	SD 344/1	Metal foundation removed	8.0
1/03/13	3	SD 346	Bearing pressure definition amended	8.0
1/03/13	3	SD 361	Note 10 amended	8.0
1/03/13	3	SD 363	Vertical risers removed	8.0
1/03/13	3	SD 364/1	Boundary location added	8.0
1/03/13	3	SD 364/2	New detail – PE Lateral to PVC Main Connector	8.0
1/03/13	3	SD 382	New detail – Wastewater Spindle Cap	8.0
1/03/13	4	3.2	End caps added, diameters nominal internal default, colour on web	8.0
1/03/13	4	10.2	Changes throughout clause	8.0
1/03/13	4	10.3	Changes throughout clause	8.0
1/03/13	4	11.4.2	Compaction standards, density test methods added	8.0
1/03/13	4	12.0	Metal component wrapping added	8.0
1/03/13	4	12.1.1	Detail referenced, installation specified	8.0
1/03/13	4	12.1.3	Detail referenced	8.0
1/03/13	4	12.4.2, 12.4.3	“safe” removed from bearing capacity	8.0
1/03/13	4	12.5	Detail referenced	8.0
1/03/13	4	17.2	Substantial rewrite	8.0
1/03/13	4	17.3	Substantial rewrite	8.0
1/03/13	4	17.3.3	New clause – Polyethylene pipe (over 315mm)	8.0
1/03/13	4	17.3.4	New clause - Polyethylene pipe (less than 100mm diameter)	8.0
1/03/13	4	18.0	WAP and CAR added	8.0
1/03/13	4	Appendix 2, 3	New Weld Record Log Sheet Templates	8.0
1/03/13	4	SD 403	Dummy spacer detailed	8.0
1/03/13	4	SD 406	Hole removed	8.0
1/03/13	4	SD 411	New detail – Thrust and Anchor Blocks	8.0
1/03/13	4	SD 412	New detail – Hydrant and Valve Covers	8.0
1/03/13	4	SD 420	New detail – Water Supply Spindle Cap	8.0
1/03/13	5	7.1	RON replaced with CAR	8.0
1/03/13	5	9.0	Substantial amendments	8.0

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1/03/13	5	14.0	RON replaced with WAP	8.0
1/03/13	6	6.3	Battens against kerb to be perpendicular	8.0
1/03/13	6	6.10	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	6	7.10	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	6	9.11	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	6	10.2.1	Approved laboratory requirements added	8.0
1/03/13	6	10.7	Compaction density amended	8.0
1/03/13	6	10.8	Compaction density amended	8.0
1/03/13	6	10.12	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	6	10.13	Work over Defects Liability period defined	8.0
1/03/13	6	11.3	Compaction density amended	8.0
1/03/13	6	11.4	Compaction density amended	8.0
1/03/13	6	11.6.2	Intervals and reading analysis amended	8.0
1/03/13	6	11.7.1	New clause - Compaction	8.0
1/03/13	6	14.0	Changes due to update of P/17	8.0
1/03/13	6	15.0	Changes due to incorporation of Roding NZ spec	8.0
1/03/13	6	17.8	Approved laboratory requirements added, clause referred to 11.7.2	8.0
1/03/13	6	18.9	Clause referred to 11.7.2	8.0
1/03/13	6	19.10	Clause referred to 11.7.2	8.0
1/03/13	6	20.4	Bandage thickness changed, treatment required	8.0
1/03/13	6	25.4	Cycle symbol scale factor added	8.0
1/03/13	6	SD 606	Width amended	8.0
1/03/13	6	SD 609	Batten amended	8.0
1/03/13	6	SD 613	Grades, batten location amended	8.0
1/03/13	6	SD 616	Width amended	8.0
1/03/13	6	SD 634	AC 10 depth amended	8.0
1/03/13	6	SD 635	Handrail colour changed	8.0
1/03/13	6	SD 659	Additional no-stopping lines	8.0
1/03/13	6	SD 661	Cycle symbol changed	8.0
1/03/13	6	SD 663	Cycle symbol changed	8.0
1/03/13	7	12.4	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	7	13.6	New clause – Traffic Signs, incl Measure of works	8.0
1/03/13	7	14.5	Fallen leaves added	8.0
1/03/13	7	SD 703	Timber treatment changed	8.0

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1/03/13	7	SD 726	In ground detail added	8.0
1/03/13	7	SD 727	New detail – Planting in softfall areas	8.0