Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
General Products								
Common Pressure Pipe Assets	Various pipe fittings such as stand alone flanges, hydrant risers, & bends	DN80 to 225	Ductile Iron	AS/NZS 2280:2020 (+A1) AS/NZS 4158	Saint-Gobain PAM via Hydroflow Civil	OMK32254	26-Oct-2027	Stand Alone Flanges; Ductile iron and protective coated to PN16.
Common Pressure Pipe Assets	Various pipe fittings such as stand alone flanges, hydrant risers, & bends	DN80 to 225	Ductile Iron	AS/NZS 2280:2020 (+A1) AS/NZS 4158	Saint-Gobain PAM via Hydroflow Civil	SMKP25583	16-Feb-2029	Stand Alone Flanges; Ductile iron and protective coated to PN16.
Common Pressure Pipe Assets	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2:2011 Part 2	Hygrade supplied Hawle	SMKP20123	31-Mar-2029	Anti-clockwise closing; External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent.
Common Pressure Pipe Assets	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2:2011 Part 2	Hydroflow Civil supplied Derwent	WMK25890	03-May-2030	Anti-clockwise closing; External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent.
Common Pressure Pipe Assets	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2:2011 Part 2	Humes supplied AVK	SMK 02420	09-Dec-2029	Anti-clockwise closing; External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent.
Common Pressure Pipe Assets	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2:2011 Part 2	Hynds Water supplied Gillies Metaltech	WMK 23494	06-Mar-2030	As above but Water Supply only
Common Pressure Pipe Assets	Gate Valves	DN15 to DN50	DRZ Brass	AS1628:1999 (incl. Amendment 1)	AppFlo supplied by Steel and Tube	WM 022784	03-Apr-2029	With ductile iron, or brass, T Bar Handle
Common Pressure Pipe Assets	Gate Valves	DN15 to DN50	DRZ Brass	AS1628:1999 (incl. Amendment 1)	Logi Dezign supplied by Promains	WM 21127	13-Dec-2028	With brass T Bar Handle
Common Pressure Pipe Assets	Ball Valve	DN20	Ball Valve	AS/NZS 4796:2016	Strongcast Pty Ltd	WM 74823	09-Apr-2030	In conjunction with Strongcast manifold
Common Pressure Pipe Assets	Gaskets	DN150-DN600	Blue EDPM RidgeTyte	AS681.1 AS/NZS 4020:2018	Allied Fasteners Ltd	NA (Lab testing reports)	14-Jul-2028	The Lab testing was undertaken in US and Italy for Skellerup
Common Pressure Pipe Assets	Bolts		Stainless Bolts	AS/NZS 1252			N/A	Stainless steel bolts, nuts and washers are acceptable alternatives to hot dip galvanised fastenings provided they are 316 grade stainless steel with factory applied Molybond coating
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987;	Hynds	2586/1 or	07-Apr-2029	there is no standard for manholes only the pipes, and CPPA requirements
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987;	Hynds	2819	26-Nov-2029	there is no standard for manholes only the pipes, and CPPA requirements

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987;	Humes	2618/1	24-Nov-2030	there is no standard for manholes only the pipes, and CPPA requirements
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	RP	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987;	Humes	2618/1	24-Nov-2030	Olympus with base as one unit with first riser
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	Manufactured concrete; Centrifugally Spun	AS/NZS 4058:2007	McDonald	2838	27-Jan-2031	On Trial and for stormwater use only from 2022
Common Gravity Drainage Assets	Concrete manhole risers over 1m deep	DN1050 to 2500	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987; NZS 3101: Part 1: 2006; Waka Kotahi HN-HO-72 loading CPAA	Hynds	2586/1 or	07-Apr-2029	there is no standard for manholes only the pipes to AS/NZS 4058:2007; acceptable plastic coated steps only
Common Gravity Drainage Assets	Concrete manhole risers over 1m deep	DN1050 to 2500	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987; NZS 3101: Part 1: 2006; Waka Kotahi HN-HO-72 loading CPAA	Hynds	2819	26-Nov-2029	there is no standard for manholes only the pipes to AS/NZS 4058:2007; acceptable plastic coated steps only
Common Gravity Drainage Assets	Concrete manhole risers over 1m deep	DN1050 to 2500	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987; NZS 3101: Part 1: 2006; Waka Kotahi HN-HO-72 loading CPAA	Humes	2618/1	24-Nov-2030	there is no standard for manholes only the pipes to AS/NZS 4058:2007; acceptable plastic coated steps only
Common Gravity Drainage Assets	Concrete manhole risers over 1m deep	DN1050 to 2500	RP	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987; NZS 3101: Part 1: 2006; Waka Kotahi HN-HO-72 loading CPAA	Humes	2618/1	24-Nov-2030	Olympus with base as one unit with first riser
Common Gravity Drainage Assets	Concrete manhole risers over 1m deep	DN1050 to 2500	Manufactured concrete; Centrifugally Spun	AS/NZS 4058:2007;	McDonald ELE	2838	27-Jan-2031	On Trial and for stormwater use only from 2022
Common Gravity Drainage Assets	Manholes	DN625 to 1000	Polyethylene Manholes and Maintenance Chambers	BS EN 13598-2	Australasia Moulding Ltd	N 001015 (Austrian Standards)	Perpetuity while compliant	Manhole – used for less than 6m depth. Chambers – used for less than 2m depth.
Common Gravity Drainage Assets	Manhole Steps		Manhole encapsulated, or fibreglass, rungs	EN 13101:2002 & AS 1657:2018	Nextep Australia RFP models MWT 203 & MWT 253	NA*	NA*	*Statement of performance issued 04 Dec 2018 The manufacturer, Miyama of Japan, is ISO 9001 certified

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Common Gravity Drainage Assets	Manhole Steps		Manhole encapsulated, or fibreglass, rungs	EN 13101:2002 & AS 1657:2018	Humes Caswick stainless steel with copolymer covering	KM 23921	Doesn't expire	*Also this product has ISO 9001
Common Gravity Drainage Assets	Manhole Steps		Manhole encapsulated, or fibreglass, rungs	EN 13101:2002 & AS 1657:2018	Humes Caswick stainless steel with copolymer covering	FS 660719*	31-Jul-2031	*Also this product has ISO 9001
Common Gravity Drainage Assets	Manhole Steps		Manhole encapsulated, or fibreglass, rungs	EN 13101:2002 & AS 1657:2018	Hynds Pinnacle Class II A400 Double step	INZ67637-01	12-Sept-2026	SGS NZ Lab Testing 12 September 2019
Common Gravity Drainage Assets	Manhole Steps		Manhole encapsulated, or fibreglass, rungs	EN 13101:2002 & AS 1657:2018	Aymroo encapsulated step irons	AMI 74949	31-Jan-2029	175mm, 225, 283, 375 and 400mm
Common Gravity Drainage Assets	Manhole Cover & Frame	DN600	Maestro Ductile Iron cover & frame D400	AS 3996:2019 EN124-1:2015	Hygrade	2979	24-Sept-2029	Class D Non-bolt down; and bolt down option & Class E under AS3996 standard. *Tested by WSP to 400kN
Common Gravity Drainage Assets	Manhole Cover & Frame	DN600	Maestro Ductile Iron cover & frame D400	AS 3996:2019 EN124-1:2015	Hygrade	NF 13-141-141	31-Jan-2027	Class D Non-bolt down; and bolt down option & Class E under AS3996 standard. Tested by WSP to 400kN (2022 report AL7087/6) (2022 report AL7087/6)
Common Gravity Drainage Assets	Manhole Cover & Frame	DN600	Pamrex 600 Safety hinged Ductile Iron Cover & Frame	AS 3996:2019 BSS EN124	Hydroflow Civil	For EN124-1:2015 it's #21-70 -70	31-Jan-2027	Model CPDA60EF D400 in Ductile Iron only Loading is Group 4 under the EN124 standard
Common Gravity Drainage Assets	Manhole Cover & Frame	DN600	Shield Class D 400 Cover & Frame	AS 3996	Hydroflow Civil	No*	No*	Includes the safety grill. *SGS 2022 report verified *WSP tested for strength & slip
Common Gravity Drainage Assets	Manhole Cover & Frame	DN600	Jamie RD6642F & RD6643C -CSKT	EN124	Clarks	KM 584577	20-Nov-2027	Plus WSP tests for load and slip 1-LAOS1.00 dated December 2022
Common Gravity Drainage Assets	Ductile Iron corrosion protection	NA	Denso Petrolatum external coatings for buried pipes	ISO 9001	Denso (Australia) Pty Ltd	0048091	31-Aug-2029	Note, the whole 4 step system must be used consisting of, primer; profiling mastic; Denso tape; then Denso PVC tape.
Common Gravity Drainage Assets	Ductile Iron corrosion protection	NA	Denso Petrolatum external coatings for buried pipes	ISO 21809-03:2016	Denso (Australia) Pty Ltd	NA	NA	Note, the whole 4 step system must be used consisting of, primer; profiling mastic; Denso tape; then Denso PVC tape.
Common Gravity Drainage Assets	Ductile Iron corrosion protection	NA	Denso Petrolatum external coatings for buried pipes	AS 4822:2024	Denso (Australia) Pty Ltd	NA	NA	Note, the whole 4 step system must be used consisting of, primer; profiling mastic; Denso tape; then Denso PVC tape.
Common Pressure Pipe Assets	Gate Valves	DN15 to DN50	DRZ Brass	AS1628:1999 (incl. Amendment 1)	Kitz AS-HN supplied by Asmuss	WM 27080	30-Apr-2031	With DI hand wheel
Common Pressure Pipe Assets	Unrestrained mechanical couplings; restrained mechanical coupling and flange adaptors	DN80 to 300	Ductile iron with FBE coating	AS/NZS 4998:2009	Daemco Australia Pty Ltd	OMK30051	07-Mar-2031	For AC, DI, CI, GRP and PVC Water Supply & to DN150 only. PN16 Short barrel (110mm).

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Common Pressure Pipe Assets	Unrestrained mechanical couplings; restrained mechanical coupling and flange adaptors	DN80 to 300	Ductile iron with FBE coating	EN 12842:2012	Daemco Australia Pty Ltd	OMK30063	13-Mar-2027	For PE Water Supply only. PN16 Long Barrel (178mm, & 218mm for DN300).
Common Pressure Pipe Assets	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2:2011 Part 2	Promains supplied Daemco Australia Pty Ltd	WM-022535	24-Feb-2031	Anti-clockwise closing; External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent.
Common Pressure Pipe Assets	Various pipe fittings such as stand-alone flanges, hydrant risers, & bends	DN80 to 300	Ductile Iron	AS/NZS 2280:2020	Daemco Australia Pty Ltd	IMK30047	30-May-2029	**For Water Supply use only**
Common Pressure Pipe Assets	Various pipe fittings such as stand-alone flanges, hydrant risers, & bends	DN80 to 300	Ductile Iron	AS/NZS 2280:2020	Daemco Australia Pty Ltd	WM-022892	27-Mar-2029	**For Water Supply use only**
Common Pressure Pipe Assets	Ductile Iron corrosion protection	NA	Trenton Wax-Tape Brand Antocorrosion Wraps #1, and #2	AWWA C127	Industrial Gasket Solutions Ltd	Various reports from USA Labs including: 2021449-1-4 for #1 Wrap; 2021449-1-3 for #2 Wrap	05-Sept-2030	Wax tape synthetic fabric with corrosion inhibitors
Common Pressure Pipe Assets	Various pipe fittings such as stand alone flanges, hydrant risers, & bends	DN80 - DN300	Z1711EM	AS/NZS 4158:2003	Appletons supplied Hiwa	OMK30084	16-Nov-2026	External and internal protective coating is to AS/NZS 4158:2003; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent. **WATER SUPPLY AND WASTEWATER**
Common Pressure Pipe Assets	Various pipe fittings such as stand alone flanges, hydrant risers, & bends	DN80 - DN300	Z1711EM	AS/NZS 4998:2009	Appletons supplied Hiwa	WM-033291	07-Nov-2027	External and internal protective coating is to AS/NZS 4158:2003; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent. **LEAD FREE CERTIFICATE**
Common Pressure Pipe Assets	Various pipe fittings such as stand alone flanges, hydrant risers, & bends	DN80 - DN300	Z1711EM	AS/NZS 4158:2003	Appletons supplied Hiwa	SMKP25583	16-Feb-2029	External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent. **THERMAL-BONDED POLYMETRIC COATING**
Common Pressure Pipe Assets	Unrestrained mechanical couplings;			AS/NZS 4998:2009	Hiwa via Appleton	IMK30083	23-Aug-2031	External and internal protective coating is to AS/NZS 4158:2003; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent. **THERMAL-BONDED POLYMETRIC COATING**

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Common Pressure Pipe Assets	Unrestrained mechanical couplings;			AS/NZS 4158: 2003	Hiwa via Appleton	SMKP25583	16-Feb-2029	External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent. **THERMAL-BONDED POLYMETRIC COATING**
Standards footnote: Refer to the Reference Documents clause of the relevant section for title and date of the Standard.								
Water Supply Products								
Miscellaneous Water Supply Boxes & Plates	Manifold Boundary Box	AMBT200, 300, & 350 AMBJT 250 & 320	AMB, AMBJ, and AMBT models Polypropylene or polyethylene meter boxes with black or blue lids.	AS/NZS 4663 (slip resistance) AS3996:2019 (strength test)	Acuflo Industries Ltd	Lab accredited #200 Lab accredited #1292	NA	Slip resistance and strength evidence testing acceptable Base must be used
Miscellaneous Water Supply Boxes & Plates	Manifold Boundary Box	Reverse taper box small lid SCBL, medium lid SCPL, Med box with galv lid SCLIDMED, and SCOLMED/SCLIMED		AS3996:2019	Strongcast Pty Ltd	AMI74856	03-Feb-2029	Boxes in medium and high traffic loading sites must have lids capable of supporting those loadings Base must be used
Miscellaneous Water Supply Boxes & Plates	Large meter box	361mm- 914mm		AS 3996:2006 (for strength) & AS4586:2013 (for slip resistance)	Channell USA & Australia via Acuflo	Nil	NA	See report MT-14/799-C Class B loading Report 54588-1A Rev.2 issues 25 July 2018
Miscellaneous Water Supply Boxes & Plates	Fire Hydrant Concrete Surrounds			Standard Drawings D6.3			N/A	
Miscellaneous Water Supply Boxes & Plates	Valve Concrete Surrounds			Standard Drawings D6.2			N/A	
Miscellaneous Water Supply Boxes & Plates	Wooden Valve Post			Standard Drawing 6.4	NA	NA	NA	As per drawing
Water Supply	Trunk Mains	DN 250, 300 or 375	PVC-M Pipe	AS/NZS 4765	Iplex NZ	SMK02570	21-Jun-2029	Series 2, PN 12.5, Design Material Class 355 Waikato DC no longer accepts PVC – only PE to be used.
Water Supply	Trunk Mains	DN 250, 300 or 375	PVC-M Pipe	AS/NZS 4765	Marley	#31	01-Aug-2031	Series 2, PN 12.5, Design Material Class 355 Waikato DC no longer accepts PVC – only PE to be used.
Water Supply	Trunk Mains	DN 250, 300 or 375	Spiral welded steel	AS 1579 welded steel pipe AS 4321 for PE coatings and lings AS 1646 elastomeric seals	Steel Mains Somerton Australia	SMK02540	19-Mar-2031	3.2 mm wall thickness with concrete lining with Polyken Synergy Heat Fused Polyethylene 323mm OD - 1254mm OD; or Polyken YGIII Cold Applied Polyethylene 323mm OD - 2030mm OD external coating

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	Trunk Mains	DN 250, 300 or 375	Ductile iron	AS/NZS 2280 AS/NZS 4020:2018	Saint-Gobain Pipelines	BMP 549624	15-Jun-2029	PN35 with internal cement lining and externally coated to suit the ground conditions 384858 is for the cement lining and 395015 is the painted areas
Water Supply	Trunk Mains	DN 250, 300 or 375	Ductile iron	AS/NZS 2280 AS/NZS 4020:2018	Saint-Gobain Pipelines	Test by AWQC report 384858 & 395015	NA	PN35 with internal cement lining and externally coated to suit the ground conditions 384858 is for the cement lining and 395015 is the painted areas
Water Supply	Principal Mains	DN 100, 150 & 200	PVC - M pipe	AS/NZS 4765	Marley	#2624	01-Aug-2031	Series 2, PN 12.5, Design Material Class 355 PVC is not to be used for directional drilling or thrusting unless specifically designed. Waikato DC no longer accepts PVC – only PE to be used.
Water Supply	Principal Mains	DN 100, 150 & 200	PVC - M pipe	AS/NZS 4765	Iplex NZ	SMK02570	21-Jun-2029	Series 2, PN 12.5, Design Material Class 355 PVC is not to be used for directional drilling or thrusting unless specifically designed. Waikato DC no longer accepts PVC – only PE to be used.
Water Supply	Principal Mains	DN 100, 150 & 200	PVC - M pipe	AS/NZS 4765	Pipemakers (Asmuss)	AMI21378	16-Dec-2026	Series 2, PN 12, Design Material Class 355 PVC is not to be used for directional drilling or thrusting. Waikato DC no longer accepts PVC – only PE to be used.
Water Supply	Principal Mains	DN100, 150 & 200	PE80 Pipe	AS/NZS 4130	Iplex	SMKP20400	31-May-2031	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Principal Mains	DN100, 150 & 200	PE80 Pipe	AS/NZS 4130	Marley	2639	17-Jul-2030	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Rider Mains	DN40 & 50	PE80 Pipe	AS/NZS 4130	Marley	SMKP20400	31-May-2031	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Rider Mains	DN40 & 50	PE80 Pipe	AS/NZS 4130	Asmuss	#2707	13-Oct-2026	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	Water Service Lines	DN20, 25 & 50	PE80 Pipe	AS/NZS 4130	Iplex	SMKP20400	31-May-2031	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Water Service Lines	DN20, 25 & 50	PE80 Pipe	AS/NZS 4130	Marley	#2639	17-Jul-2030	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Water Service Lines	DN20, 25 & 50	PE80 Pipe	AS/NZS 4130	RX Plastics	#2807	18-Mar-2029	PE80, PN12.5, SDR 11 (coloured blue or blue strip) PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
Water Supply	Water Service Lines	DN20, 25 & 50	PE80 Pipe	AS/NZS 4130	Waters & Farr	#2729 (Whanganui), #2722 (Rangiora)	30-Jul-2027	
Water Supply	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129:2020	Iplex	SMK26531	29-Mar-2030	Plasson Series 1
Water Supply	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129:2020	Georg Fischer	GM-WM-040108-103-R02	27-Nov-2029	
Water Supply	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129:2020	Marley	SMK41190	13-Jun-2029	Philmac 3G Metric compression
Water Supply	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129:2020	Hansen	WMKA 21978	29-Jul-2028	Conversion kit required to convert from LDPE & HDPE to MDPE
Water Supply	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129:2020	Plasson	WM02018 & AMI 02018	05-Mar-2029	
Water Supply	Rider Mains and Water Service Lines	DN20, 25, 40 & 50	PE electrofusion fittings	AS/NZS 4129	Plasson	WM02018 & AMI 02018	05-Mar-2029	Line 7 range
Water Supply	Water Service Lines	DN15, 20, 25	2, 3, 4, 5 & 6 outlet options Manifold	ASTM-A240 AS/NZS 4020:2018	Acuflo	NA	NA	The manifold is made of 316 SS & is ASTM-A240 Tested for drinking water contact though
Water Supply	Water Service Lines	DN15, 20, 25	2, 3, 4, 5 & 6 outlet options Manifold	ASTM-A240 AS/NZS 4020:2018	Acuflo	PTT40084	21-Nov-2027	The manifold is made of 316 SS & is ASTM-A240 Tested for drinking water contact though Dezincification resistant materials or LG2 gunmetal, with Malleable (cast) iron T bar handles for DN50. PN16 or higher.

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	PE Pipe Fittings	DN40-500	Haku Pipe Saddle; (DN40 -500) Haku Flanged Pipe Saddle (DN 125 -315); Synoflex Connector (DN 50-300); Synoflex Flange Adaptor (DN 50 -300); System 2000 Flange Adaptor (DN40- 600); System 2000 coupler/connector (DN63-355); Vario Connector short (150-216mm) and long (216-350mm) versions (DN50, 80, 100, 150, 200); System 2000 End Cap (DN 63· 315)	AS/NZS 4129	Hygrade supplied Hawle Fittings	WMK25792	03-Sept-2028	
Water Supply	PE Fittings	25-110 OD					N/A	
Water Supply	PE Pipe Fittings	DN20-DN300	Fusamatic elbows, tees, caps, tapping tees, saddles, adaptors, reducers and electrofusion fittings	AS/NZS 4129:2020	Fusion	AMI 20303	10-Jan-2027	Supplied by Solo and Promains
Water Supply	Fire Hydrants	DN 80	Tall, screw down pattern	NZS 4522:2010 & coating to AS/NZS 4158	Humes AVK series 29	SMK40287	07-May-2029	Medium screw down pattern is acceptable on existing mains but only if height is an issue. Fitted with a frost plug. Rated PN16 or higher.
Water Supply	Fire Hydrants	DN 80	Tall, screw down pattern	NZS 4522:2010 & coating to AS/NZS 4158	Derwent tall (and median)	SMK 41119	15-Oct-2030	Medium screw down pattern is acceptable on existing mains but only if height is an issue. Fitted with a frost plug. Rated PN16 or higher.
Water Supply	Fire Hydrants	DN 80	Tall, screw down pattern	NZS 4522:2010 & coating to AS/NZS 4158	HTALFNZ-C Gillies MetalTech Ltd	2732	02-Feb-2027	Medium screw down pattern is acceptable on existing mains but only if height is an issue. Fitted with a frost plug. Rated PN16 or higher.
Water Supply	Tapping Bands	DN80 to DN300	LG2 Series 1 and Series 2 PVC TBP8020, TBP8025, TBP8050, TBP10020, TBP10025, TBP10050, TBP15020, TBP15025, TBP15050, TBP20020, TBP20025, TBP20050, TBP25020, TBP25025, TBP25050, TBP30020, TBP30025, TBP30050.	AS 4793:2020	Hallmark Industries Ltd via Promain	23549	21-Jul-2031	For PVC series 1 and series 2 only and not for use on PE pipe

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Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	Tapping Bands	DN80 to DN300	LG2 Series 1 and Series 2 PVC TBP8020, TBP8025, TBP8050, TBP10020, TBP10025, TBP10050, TBP15020, TBP15025, TBP15050, TBP20020, TBP20025, TBP20050, TBP25020, TBP25025, TBP25050, TBP30020, TBP30025, TBP30050.	AS 4793:2020	Hallmark Industries Ltd via Promain	PCSFULL 4084	12-Dec-2030	For PVC series 1 and series 2 only and not for use on PE pipe
Water Supply	Tapping Bands	DN100 to DN250	DN100 to DN300 for PE pipes	AS/NZS 4793:2020	Daemco Stockbrands and supplied by Hynds	23337	14-Jul-2031	a); b LG2 gunmetal DR type – fully enclosed, b) Polyethylene type – fully enclosed with stainless steel bolts) c) Glass filled NORYL two part moulded with stainless steel bolts. PN16
Water Supply	Tapping Saddle	DN50 to DN180	Plassaddle	AS/NZS 4129:2020	Plasson	AMI 02018	05-Mar-2029	For 12mm, 20mm, 25mm 32mm and 40mm connections
Water Supply	Repair Coupling	DN50 to DN300		AS/NZS 4998:2009	AVK Wang	SMKP25236	23-Feb-2027	
Water Supply	Repair Coupling	DN 125 & DN180	Uniclamp	AS/NZS4129: 2020 AS/NZS 4793:2009 AS4181:2013	Derwent	SMK26385 SMK26502	28-Aug-2028	For PE pipe
Water Supply	Repair Coupling	DN100 & DN 150	Uniclamp	AS/NZS4129: 2020 AS/NZS 4793:2009 AS4181:2013	Derwent	SMK26386	16-May-2029	Flanged offtake is 80 for Series 2 sized pipes
Water Supply	Water Meters	<DN 50	Water meters intended for the metering of cold potable water	OIML R49	Deeco Sensus iPerl	DE-12-MI001-PTB010 Rev1	18-Jun-2027	Manufactured with Class C measuring accuracy.
Water Supply	Water Meters	<DN 50	Water meters intended for the metering of cold potable water	OIML R49	Sensus 620/640	DE-07-MI001-PTB002 Rev 8	18-Jun-2027	Manufactured with Class C measuring accuracy.
Water Supply	Water Meters	DN15 and DN20	Water meters intended for the metering of cold potable water.	OIML R49	Itron's Aquadis+ Type P1HR via Hynds	LNE - 34003	21-Feb-2028	Directive 2014/32/UE, Module H1
Water Supply	Water Meters	DN15 & DN20 inline DN25, DN32, & DN40 inline DN15, DN20, DN32, DN40 & DN50 ultrasonic brass DN15, DN20 ultrasonic composite DN15 sub -meter	Water meters intended for the metering of cold potable water.	AS3565.1:2010 OIML R49-1,2 & 3:2013	DIEHL Altair (V5) Altair (V4) Hydrus 2.0 Aries IS	WM 040207-I02-R05	11-Sept-2027	

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	Water Meters	DN15 & DN20 inline DN25, DN32, & DN40 inline DN15, DN20, DN32, DN40 & DN50 ultrasonic brass DN15, DN20 ultrasonic composite DN15 sub -meter	Water meters intended for the metering of cold potable water.	AS3565.1:2010 OIML R49-1,2 & 3:2013	DIEHL Altair (V5) Altair (V4) Hydrus 2.0 Aries IS	LNE2 -36769	NA	
Water Supply	Water Meters	>DN 50	Water Meters intended for the metering of cold potable water	OIML R49	Deeco Sensus Meistream Plus	DE-09-MI001-PTB012 Rev 5	18-Jun-2027	All meter installations, 50mm and above, are subject to specific acceptance by the council. Suppliers listed on the Acceptable Products list will be contacted to assist in selecting a meter which is fit for purpose (e.g. Class B, C or combination meter). HCC requirements are Elster V210s Helix H4000s only. Rotorua Lakes is composite only.
Water Supply	Water Meters	DN50, DN65, DN80 & DN100	Water Meters intended for the metering of cold potable water	AS3565.1:2010 OIML R49	DIEHL Aquila V5 Hydrus Ultrasonic 2.0 Bulk	WM 040207-I02-R05	11-Sept-2027	All meter installations, 50mm and above, are subject to specific acceptance by the council. Suppliers listed on the Acceptable Products list will be contacted to assist in selecting a meter which is fit for purpose (e.g. Class B, C or combination meter). **HCC requirements are Elster V210s Helix H4000s only. Rotorua Lakes is composite only.**
Water Supply	Water Meters	DN50,DN65,DN100, DN150 & DN200	Water Meters intended for the metering of cold potable water	AS3565.1:2010 OIML R49	DIEHL Aquila V5 Hydrus Ultrasonic 2.0 Bulk	LNE2 -36769	NA	All meter installations, 50mm and above, are subject to specific acceptance by the council. Suppliers listed on the Acceptable Products list will be contacted to assist in selecting a meter which is fit for purpose (e.g. Class B, C or combination meter). HCC requirements are Elster V210s Helix H4000s only. Rotorua Lakes is composite only.
Water Supply	Water Meters	DN 100 & 150 mm	Electromagnetic Water Meter	AS3565.1:2010 OIML R49			N/A	Battery powered, minimum 4 year battery life.
Water Supply	Water Meters	DN 100 & 150mm	ABB Water Master Electromagnetic Water Meter	Directive 2014/32/EU OIML R49	ABB	T115851 rev7	14-Aug-2030	Mains powered (230v)

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Water Supply	Manifold with Backflow Prevention	DN20-DN50	Non-Testable Double Check (Low Risk) CM2000 (composite) with Wilkins device GM900STR (brass) with Wilkins device	AS/NZS 2845.1:2022	Acuflo Acuflo	WM000683* For the ball valve only	06-Oct-2029	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Water Supply	Manifold with Backflow Prevention	DN20-DN50	Non-Testable Double Check (Low Risk) CM2000 (composite) with Wilkins device GM900STR (brass) with Wilkins device	AS/NZS 4020:2018	Acuflo Acuflo	PTT40059	26-May-2029	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Water Supply	Manifold with Backflow Prevention	DN20-DN50	Non-Testable Double Check (Low Risk) CM2000 (composite) with Wilkins device GM900STR (brass) with Wilkins device	AS/NZS 2845.1:2022 AS/NZS 4020:2018	Acuflo Acuflo	WMKA1379 PTT40059	26-May-2029	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Water Supply	Manifold with Backflow Prevention	DN20	Manifold	AS/NZS 2845.1:2022 AS/NZS 4020:2018	Strongcast PTY Ltd	AMI 74821	09-Apr-2030	
Water Supply	Manifold	DN20	PE25 14TPI C6704	AS/NZS 4129:2020	Strongcast PTY Ltd	AMI 74822	09-Apr-2030	
Water Supply	Manifold	DN20	G3/4" female 14TPI C6703	AS3688:2016	Strongcast PTY Ltd	WM 74824 (WaterMark only)	09-Apr-2030	
Water Supply	RPZ pipe stand assembly	DN20, DN25, DN32, DN40 & DN50	316 Stainless Steel Non-metered RPZ and metered RPZ	NA	Deeco	NA	NA	As per Co-Lab letter of acceptance 21 June 2022
Water Supply	Backflow Prevention		Testable Double Check (Medium Risk)	AS/NZS 2845.1	Deeco Zarn Wilkins	WMKA1379	16-Jul-2026	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards) *updated certificate requested but not due to October
Water Supply	Backflow Prevention		Testable Reduced Pressure Zone Device (High Risk)	AS/NZS 2845.1	Watts	WMKA1335	30-Jul-2027	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Miscellaneous Water Supply Boxes & Plates	Valve, Fire Hydrant, & Valve Boxes			Standard Drawings in the RITS			N/A	Ductile iron to Standard Drawings. Other colour lids may be installed but only as accepted. NOTE: Only lids and frames to be used in driveways that are designed and accepted for traffic loadings

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Miscellaneous Water Supply Boxes & Plates	Fire Hydrant and Valve Marker Plate (see RITS Drawings)	As supplied	Plastic Fire Hydrant 'H'	SNZ PAS 4509 for FH BS3251 except in plastic and not cast iron. Valve Marker Plate has no standard, see comments	Franken Plastik		N/A	The valve marker plate must be the Franken Plastik blue unit
Miscellaneous Water Supply Boxes & Plates	Toby Box Riser	150 mm	PVC-m PN16	NA	Iplex	NA	NA	Used only where just a toby box is being installed or replaced. Otherwise a standard manifold arrangement is required.
Miscellaneous Water Supply Boxes & Plates	Toby Box Riser	150 mm	PVC-m PN16	NA	Marley	NA	NA	Used only where just a toby box is being installed or replaced. Otherwise a standard manifold arrangement is required.
Miscellaneous Water Supply Boxes & Plates	Valve, Fire Hydrant, & Meter Boxes			BS 5834-2:2011	Warrior HB54 1SV; HB54 1WM; HB36 1WM; & HB36 1FH via Hydroflow Civil	KM 07199, KM 14164	29-Nov-2029	'Small' Ductile Iron boxes. Other colour lids may be installed but only as accepted. 'Large' Ductile Iron boxes NOTE: Only lids and frames to be used in driveways that are designed and accepted for traffic loadings
Standards footnote: Refer to the Reference Documents clause of the relevant section for title and date of the Standard.								
Stormwater Products								
Stormwater	Stormwater Mains	DN 150	PVC-U Pipe	AS/NZS 1254			N/A	Class SN16 RRJ
Stormwater	Stormwater Mains	The various manufacturers have pipes in the DN225 to DN2400 range	Concrete Pipes	AS/NZS 4058:2007	Humes	2618/1	24-Nov-2030	Rubber Ring jointed
Stormwater	Stormwater Mains	The various manufacturers have pipes in the DN225 to DN2400 range	Spun pipes	AS/NZS 4058:2007	Hynds	2586/1	26-Nov-2029	2586/1 is for Class 2, 3, & class 4 pipes made in Hornby South, Christchurch. 2819 is for Class 2 & 4 precast, Autocast and Radial Press pipes made in Pokeno.
Stormwater	Stormwater Mains	The various manufacturers have pipes in the DN225 to DN2400 range		AS/NZS 4058:2007	McDonald ELE	2838	27-Jan-2031	On trial
Stormwater	Stormwater Mains	DN150 to DN750	PKS & Profix (PFX) Polyethylene (PE100) Profile (PR) Pipe	AS/NZS 5065:2005	PKS Civil	2978	01-Aug-2029	**SN16 only unless a specific design is accepted by council for SN8**
Stormwater	Stormwater Mains	DN150 to DN750	Civil Boss PE100 SN16	AS/NZS 5065:2005	Waters & Farr	2730	09-Aug-2027	SN16 only unless a specific design is accepted by council for SN8
Stormwater	Stormwater Mains	DN150 to DN750	Euroflo Civil Pipe PE100	AS/NZS 5065:2005	P & F Global Ltd	WM-032122	10-Feb-2031	SN16 only unless a specific design is accepted by council for SN8
Stormwater	Stormwater Mains	DN450 – DN2000	Krah PE spiral wound SN16	AS/NZS 5065:2005	Infrapipe	AMI 74961	10-Oct-2027	Stormwater only
Stormwater	Stormwater Mains	DN100-DN1000	CivilPipe PP twin wall SN16	AS/NZS 5065:2005	Infrapipe	AMI 74961	10-Oct-2027	Stormwater only

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Stormwater	Stormwater connection	DN250 – DN450 & over DN450	Fernco Unisaddle FA150U & FA150B	BS EN 295-4:2013 BS EN 16397-2:2014	Fernco	PT/516/0522 PT/476/0420 PT/556/0425-AS	23-Apr-2030	The FA150U is for DN250-DN450 and FA150B for over DN450
Stormwater	Single/Double Catchpit Lead	DN225/DN300	Concrete Pipes	AS/NZS 4058	Humes	2618/1	24-Nov-2030	Rubber Ring jointed Class 2 & 4
Stormwater	Single/Double Catchpit Lead	DN225/DN300	Concrete Pipes	AS/NZS 4058	Hynds	2586/1 2819	26-Nov-2029	2586/1 is for Class 2, 3, & class 4 pipes made in Hornby South, Christchurch. 2819 is for Class 2 & 4 precast, Autocast and Radial Press pipes made in Pokeno.
Stormwater	Single/Double Catchpit Lead	DN225/DN300	Civil Boss	AS/NZS 5065	Wates & Farr (Hynds)	2730	09-Aug-2027	
Stormwater	Single/Double Catchpit Lead	DN225/DN300	Euroflo Civil PE100	AS/NZS 5065	P & F Global Ltd	WM-032122	10-Feb-2031	
Stormwater	Single/Double Catchpit Lead	DN225/DN300	ASMUSS PE100	AS/NZS 5065	ASMUSS Steel & Flow Control	2734	31-May-2028	
Stormwater	Single/Double Catchpit Lead	DN225/DN300	PVC-U	AS/NZS 1260:2017	Iplex Pipelines Australia Ltd	SMK1305	01-Jan-2028	SN16 and cover to meet manufacturers requirements
Stormwater	Single/Double Catchpit Lead	DN225/DN300	PVC-U	AS/NZS 1260:2017	Marley	WMK20224	05-Jul-2027	
Stormwater	Single/double Catchpit	DN1050 or DN1200	Concrete chamber	AS/NZS 4058:2007	Humes	2618/1	24-Nov-2030	
Stormwater	Single/double Catchpit	DN1050 or DN1200	Concrete chamber	AS/NZS 4058:2007	Hynds		N/A	
Stormwater	Catchpit grate	675 x 450	Ductile Iron top and frame (but some CI frames)	AS 3996:2019 Class D or EN124	Hygrade	2979	24-Sept-2029	Tested by WSP for Hygrade
Stormwater	Catchpit grate	675 x 450	Ductile Iron top and frame (but some CI frames)	AS 3996:2019 Class D or EN124	Hydroflow		N/A	
Stormwater	Catchpit grate	675 x 450	Ductile Iron top and frame (but some CI frames)	AS 3996:2019 Class D or EN124	Humes	21437 & 21445	03-Oct-2030	
Stormwater	Storage systems	As required	PVC	ASTM-F2418–06a	Cirtex	See letter	Perpetuity while compliant	
Stormwater	Storage systems	As required	Rainsmart ellipse tank modules	ASTM-F2418–06a	Cirtex	See letter	Perpetuity while compliant	
Stormwater	Storage systems	As required	Triton SWS Corrugates Wall water collection system	ASTM-F2418–06a	Cirtex	See letter	Perpetuity while compliant	
Stormwater	Treatment systems	As required	Stormwater 360 Filterra Stormfilter	concrete elements only AS/NZS 4058:2007 NZS 3101:2006 NZS 3109:1997	Stormwater 360	see letter	Perpetuity while compliant	limited to local roads and not arterial or collectors.
Stormwater	Treatment systems		Atlan Hydrosystem		Atlan Stormwater		N/A	Formerly SPEL *5 years from test certificate accepted

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Stormwater	Treatment systems	To Suit	AtlanFilter Model SF 30 EMC -M	SQIDEP V1.3	Atlan Stormwater	SQIDEP VC	22-Dec-2027	Formerly SPEL *5 years from test certificate accepted
Stormwater	Single Dwelling	DN 100	PVC-U Pipe	AS/NZS 1254			N/A	100mm diameter in private non-trafficked areas are to be SN6 RRJ and in private trafficked areas and all public areas are to be SN10 RRJ
Stormwater	2 to 3 Dwellings	DN 150	PVC-U Pipe	AS/NZS 1254			N/A	Class SN8 RRJ in private non-trafficked areas and SN16 RRJ in private trafficked and public areas
Stormwater	Kerb outlet						N/A	90 degree and 45 degree ductile iron kerb outlets and associated rubber couple fitting use.
Stormwater	Stormwater Mains	The various manufacturers have pipes in the DN225 to DN2400 range	Radial Press, AutoCast and PreCast	AS/NZS 4058:2007	Hynds	2819	26-Nov-2029	2586/1 is for Class 2, 3, & class 4 pipes made in Hornby South, Christchurch. 2819 is for Class 2 & 4 precast, Autocast and Radial Press pipes made in Pokeno.
Standards footnote: Refer to the Reference Documents clause of the relevant section for title and date of the Standard.								
Wastewater Products								
Wastewater	Wastewater Mains	DN100 to DN225	PVC-U Pipe	AS/NZS 1260	Iplex	SMKP20400	31-May-2031	Class SN16 RRJ DN 150 to 225mm. DN 100 SN10 RRJ With ongoing compliance.
Wastewater	Wastewater Mains	DN100 to DN225	PVC-U Pipe	AS/NZS 1260	Marley	WMK20224	05-Jul-2027	Class SN16 RRJ DN 150 to 225mm. DN 100 SN10 RRJ With ongoing compliance.
Wastewater	Wastewater Mains	DN100 to DN225	PVC-U Pipe	AS/NZS 1260	Waters & Farr	# 2730 (Whanganui)	09-Aug-2027	Class SN16 RRJ DN 150 to 225mm. DN 100 SN10 RRJ With ongoing compliance.
Wastewater	Wastewater Connections	DN100 to DN150	PVC-U Pipe	AS/NZS 1260	Iplex	SMKP20400	31-May-2031	Class SN16 RRJ
Wastewater	Wastewater Connections	DN100 to DN150	PVC-U Pipe	AS/NZS 1260	Marley	WMK20224	05-Jul-2027	Class SN16 RRJ
Wastewater	Wastewater Connections	DN100 to DN150	PVC-U Pipe	AS/NZS 1260	Waters & Farr	# 2730 (Whanganui)	09-Aug-2027	Class SN16 RRJ
Wastewater	Pipe Repair Joint	115OD – 355OD	VIP Seal Standard Coupling (VSC) Non-pressure	AS/NZS 4327:1995	VIP Polymers Ltd via Hydroflow Civil	3018	22-Jun-2028	Non pressure use only
Wastewater Pump Station	Wet Chamber	DN1200 to DN3300	FRP Chamber	General compliance with Watercare standard	Pump & Valve Specialties	PS1 and PS4 required	N/A	Specific design for each site
Wastewater Pump Station	Wet Chamber	DN1200-DN3300	Concrete Chamber (pipe)	AS/NZS 4058 CPAA	Humes	2618/1	24-Nov-2030	Class 2 & 4
Wastewater Pump Station	Wet Chamber	DN1200-DN3300	Concrete Chamber (pipe)	AS/NZS 4058 CPAA	Hynds	2819	26-Nov-2029	Class 2 & 4
Wastewater Pump Station	Rising Main	DN40 to DN600	PE100 Polyethylene Pipe	AS/NZS 4130:2018	Iplex	SMKP20400	31-May-2031	PE100, PN 12+, coloured black with cream strip or jacket welded or flanged joints (fusion welded fittings are acceptable). With ongoing compliance.

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Wastewater Pump Station	Rising Main	DN40 to DN600	PE100 Polyethylene Pipe	AS/NZS 4130:2018	Marley	#2639	17-Jul-2030	PE100, PN 12+, coloured black with cream strip or jacket welded or flanged joints (fusion welded fittings are acceptable). With ongoing compliance.
Wastewater Pump Station	Rising Main	DN40 to DN600	PE100 Polyethylene Pipe	AS/NZS 5065	Waters & Farr	# 2729 (Whanganui)	30-Jul-2027	PE100, PN 12+, coloured black with cream strip or jacket welded or flanged joints (fusion welded fittings are acceptable). With ongoing compliance.
Wastewater Pump Station	Rising Main	DN40 to DN600	PE100 Polyethylene Pipe	AS/NZS 5065	Waters & Farr	#2722 (Rangiora)	24-Aug-2028	PE100, PN 12+, coloured black with cream strip or jacket welded or flanged joints (fusion welded fittings are acceptable). With ongoing compliance.
Wastewater Pump Station	Pumps		Flygt – size to suit application (see comments)		Flygt	NA	NA	Pump options are; N type impellers. The available sizes are 3085, 3102, 3127 or 3153. Unless agreed with council, the impellers should be the medium head (MT) option.
Wastewater Pump Station	Pump Discharge Bend		Flygt – size to suit application	NA	Flygt	NA	NA	To suit pump
Wastewater Pump Station	Guide Rail Brackets		Flygt	NA	Flygt	NA	NA	Hot dip galvanised or SS to suit pump
Wastewater Pump Station	Guide Rails	DN 50	Stainless Steel Pipe	316		NA	NA	Schedule 10, 316 grade stainless steel. Any joints to be an internal pressed fit stainless steel sleeve.
Wastewater Pump Station	Pump Riser Pipe	DN 80 to 150	Stainless Steel Pipe	316		NA	NA	Schedule 40, 316 grade stainless steel.
Wastewater Pump Station	Pump Backflow Prevention	DN80 to 150	Flap Check or Ball Check Valve	AS/NZS 4158 AS/NZS 4087			N/A	External and internal protective coating. Rated at PN16. Flanges to be raised face and drilled.
Wastewater Pump Station	Washdown Backflow Prevention	DN 50 mm	Testable Reduced Pressure Zone Device (High Risk)	AS/NZS 2845.1	Wilkins		N/A	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Wastewater Pump Station	Flow Meter	Sized to suit the rising main	ABB Water Master potted for IP68		ABB	NA*	N/A	*Historic but now working through the certification process
Wastewater Pump Station	Wastewater concrete chamber protection	NA	Sikagard P-770 & Sikagard M-790	EN 1504-2	Sika (NZ) Ltd	CE Certificate 0725	03-Sept-2028	To be applied to the inside of the concrete wet well, valve chamber and storage chamber(s).
Standards footnote: Refer to the Reference Documents clause of the relevant section for title and date of the Standard.								
Landscaping Products								
Landscaping	Grass for berms and sportsfields	NA	DuraScape	NA	PGG Wrightson	NA	NA	There is no standard for this product. There are different mixes for sportsfields, berms etc.

Acceptable Products List

Category	Application	Sizing	Product	Standards	Manufacturer	License Mark #	Expiry Date	Comments
Standards footnote: Refer to the Reference Documents clause of the relevant section for title and date of the Standard.								
Transportation Products								
Roading	Street light Luminaires		LED Lantern type RoadGrace	AS/NZS 1158 NZTA Specification M30	Philips	NA	NA	3000 Kelvin luminaires to be used for both P and V category roads
Roading	Street light Luminaires		LED Lantern NB Smart City Gyro	AS/NZS 1158 NZTA Specification M30	FelicityCI NZ	NA	NA	
Roading	Street signs						N/A	
Roading	Seat furniture						N/A	
Roading	Bus Shelter						N/A	
Roading	Bike Rack						N/A	