

A	B	C	D	E	F	G	H	I	J	K			
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater			
<p>Notes: WSAA Product Specifications are available at https://www.wsaa.asn.au/shop/category/11. Section 4 of the WSAA Product Specifications is for "Agency or Project Specific Requirements". The SEQ requirements are specified below. Manufacturer/Supplier Products may be sourced from alternative Suppliers than those listed provided that the products are manufactured by a Manufacturer whose name, and the products' trade name, appear on the list. Size Range Size ranges need to be read in conjunction with the relevant clauses of the SEQ versions of the WSAA Codes (e.g. Water Supply Code Clause 3.1.1; Sewerage Code Clause 10.6; Pressure Sewerage Code Clause 4.5.3.1; etc.) Blank Cells In the five columns under the service provider's names cells that are blank indicate that the product listed on that row are acceptable to the service provider. Use is subject to acceptance by SP Contact the service provider to determine if the use of this product is acceptable in the proposed circumstance. SP USE ONLY These products are approved for use by SEQ-SPs or their contractors only for maintenance/retrofitting purposes. Flange All flanges used for pressure systems shall be PN16 complying with AS4087 Fig B5 unless otherwise specified.</p>													
Category: SEWERAGE PIPES AND FITTINGS - NON PRESSURE													
1	PVC-U pipe and fittings - DWV system	230 4.1 - Plain Wall 4.2 - Elastomeric Seal 4.3 - Stiffness as per 230.2.(c) or as required by SP 4.4 - SBR & EPDM 4.5 - Heavy Duty fittings accepted	Iplex	DWV PIPE	DN100 150 225 300 375	Plain wall only accepted	DN100 at SN10 minimum, DN150 and larger at SN8 and Moulded Fittings at SN6 minimum	DN100 at SN10 minimum, DN150 and larger at SN8 and Moulded Fittings at SN6 minimum	DN100 at SN6 minimum, DN150 and larger at SN8 and Moulded Fittings at SN6 minimum	Use is subject to acceptance by SP	DN100 at SN10, DN150 and larger at SN8 and Fittings at SN8 minimum		
2			Vinidex	DWV SEWER									
3			Viadux	D-FLO									
4			Micron Pipelines	Micron Pipelines									
5	PVC-U Pressure pipe Sewer using Standard DWV Junctions	211 4.1 - PN12 4.2 - Deep Sewers or Minimum Cover 4.3 - Standard Packaging & Delivery 4.4 - Series 1 4.5 - SBR & EPDM	Iplex		DN150 225 300	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Mandatory for sewers deeper than 3 metres and for sewers with minimum cover All details to be confirmed with SP			
6			Vinidex										
7			Viadux										
8	DI pipe	202S 4.1 - PN35 4.2 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.3 - Polyurethane lining 4.4 - Restrained Joints on Zinc/Bitumen coated pipe 4.5 - Polyurethane coating 4.6 - SBR, EPDM or NBR 4.7 - PE sleeving is required on all DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	VonRoll / Reece	Ducpur/ Ecopur	DN80 - 700 (ISO Sizes)	Min 900 micron Polyurethane external coating Min 1300 micron Polyurethane internal lining	Detector Tape for ISO Pipe spirally wound along pipe and over PE sleeve.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP			
9			200 4.1 - PN20 4.2 - Seal coating not required for sewage 4.3 - Polyurethane lining 4.4 - Zinc/Bitumen coating or Polyurethane coating 4.5 - Restrained Joints on Zinc/Bitumen coated pipe 4.6 - SBR, EPDM or NBR 4.7 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.8 - PE sleeving is required on all DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Beaver-Jindal Australia/NZ		DN225 to DN750		NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	PN20 NOT ACCEPTED BY SP, PN35 Use is subject to acceptance by SP	
10				Viadux	DIMAX/TYTON XCEED Z+	DN100 - 750	400g/m2 Zn/Al+100µm epoxy or min 900 micron Polyurethane external coating.		Use is subject to acceptance by SP	Accepted in applications where DI pipe is specified e.g. building over sewer applications	Use is subject to acceptance by SP		
11				Beaver / Iplex	Jindal SAW	DN100 - 750	Min 1300 micron Polyurethane internal lining		Use is subject to acceptance by SP	Accepted in applications where DI pipe is specified e.g. building over sewer applications	Use is subject to acceptance by SP		
12				Viadux	DIMAX/TYTONXTREME Z+	DN100 - 750			NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
13				Beaver / Iplex	Ironite	DN100 - 750	CAC cement lining	NOT ACCEPTED BY SP		Accepted in applications where DI pipe is specified e.g. building over sewer applications	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
14				Saint-Gobain	Integral Zinalium	DN100 - 750				Accepted in applications where DI pipe is specified e.g. building over sewer applications	Use is subject to acceptance by SP		
15			Vinidex	ZAP-HAC	DN100 - 750			Use is subject to acceptance by SP		Use is subject to acceptance by SP			
16			Steel pipe	203 4.1 - By design and PN16 min 4.2 - SEQ Code nominal DN's 4.3 - Seal coat not required for sewage 4.4 - As per SP requirement 4.5 - Joints by design to SEQ Code Standards 4.6 - Cathodic protection by design 4.7 - Standard pressure tests 4.8 - Fusion bonded polyethylene lining 4.9 - Zinc metal spray as per the specification 4.10 - SBR & EPDM 4.11 - Fusion bonded polyethylene coating minimum	Steel Mains	Sintapipe		Coating to be fusion bonded Polyethylene minimum. Lining to be fusion bonded polyethylene	Accepted OD610 or Larger	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
17					Pipe Lining and Coating	Fusionkote	OD168 - 3624						
18	Steel fittings – bends, tees and reducers	204 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Bends, tees, reducers and other types by design to SP approval 4.4 - Seal coat not required for sewage 4.5 - As per SP requirement 4.6 - Joint requirements by design 4.7 - Cathodic Protection by design 4.8 - Fusion bonded polyethylene lining 4.9 - Zinc metal spray as per the specification 4.10 - SBR & EPDM 4.11 - Fusion bonded polyethylene coating minimum	Steel Mains	Sintakote	OD114 – 2500			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP			
19			Pipe Lining and Coating	Fusionkote	OD168 – 3624								
20	Polypropylene (PP) pipe	240 4.1 - Type B - ID Series 4.2 - SN10 4.3 - SBR & EPDM	Vinidex	SewerPRO	DN150 - 900	Accepted DN450 or larger				NOT ACCEPTED BY SP	SP USE ONLY		
21			Iplex	SewerMAX	DN225 - 600								
22			Enviropipes	EnviroPipe	DN150 - 900								
23							Use is subject to acceptance by SP	Use is subject to acceptance by SP					

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
27	242 4.1 - No alternative dimensions accepted 4.2 - PN8 SDR21 4.3 - Elastomeric seals not permitted 4.4 - External colour light grey solid or striped with internal colour white or light colour, see POP203 4.5 - Pipe lengths for DN160 and larger with coils accepted for DN110 4.6 - PE100 only	Iplex	POLIplex	DN110 160 250 315 400 500 630 800 1000 1200	For pipe bursting / cracking installations, minimum PE100 PN10 (SDR 17) to be used and installed with tracer wire, unless specified otherwise. Pipe wall thickness to be designed for installation forces. Butt welded joints are mandatory for pipe bursting / cracking installations.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	PE is mandatory pipe for reticulation sewers, PE is preferred pipe for larger sewers. Where > PN8 is required, dark internal pipe colour may be used with prior SP approval		
28		Vinidex	SewerTech								
29		David Moss Corporation	DAMOS Hi-Vis								
30		Viadux		DN110 – DN315							
31		Poly Pipe	SewerFlex								
32		Enviropipes	Enviropressure								
33		ACP	ACP								
34		Pipemakers	Pipemakers	DN110 – DN800							
35		Clover	Clover / Rohr								
36		Acu-Tech	Acu-Tech							Use is subject to acceptance by SP	
37	242 4.1 - No alternative dimensions accepted 4.2 - PN8 SDR21 4.3 - Elastomeric seals not permitted 4.4 - External colour light grey solid or striped with internal colour white or light colour, see POP203 4.5 - PE100 only	George Fischer / Iplex		Up to DN315	Electrofusion fitting to be long type.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Flanged tees and flanged saddles are not accepted by SP.	Flanged tees and flanged saddles are not accepted by SP.	
38		Friatec / Vinidex									
39		Plasson	Lightfit								
40		Agru	AGRULINE								
41			Agruline								
42		Fusion Group/FusionPlast	Fusamatic								Up to DN630
43		NUPIGECO	Elofit								DN110 to DN630
44	Hydroflow / Plastitalia S.p.A	PLAST	Up to DN630								
45	David Moss Corporation	DAMOS	Up to DN1000								
46		Fusion QLD	Flo Right	Up to DN450						Use is subject to acceptance by SP	
47	242 4.1 - No alternative dimensions accepted 4.2 - PN8 SDR21 4.3 - Elastomeric seals not permitted 4.4 - External colour light grey solid or striped with internal colour white or light colour, see POP203 4.5 - PE100 only 4.6 - Fittings include: sweep bends, MH connectors, tee and bends for drop pipes and sweep junctions	Vinidex		DN110 - DN315 DN110 & DN160 DN110 – DN315 DN110 – DN315	Electrofusion fitting to be long type. PE MH connectors shall have Hydrophilic seals both sides of puddle flange.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
48		Iplex									
49		Smartstream									
50		Adroit	Adroit								
51		David Moss Corporation	DAMOS Hi-Vis Fittings								
52		Holman	Holtech								
53		Pipestar	Pipestar								
54		Allmach PFS Pty Ltd	Sewerstream								
55	PE Flex Restraint Fitting (used as puddle flange)	No WSAA PS	EF Flex Restraint	DN160 – DN1600	PE100 In accordance with manufacturer's requirements	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		Use is subject to acceptance by SP	
56		Plasson	Flex Restraint	DN160 – DN1600							
57	VC pipe	Hepworth	Supersleeve	DN100-1200		Use is subject to acceptance by SP May only be used as jacking pipes	Use is subject to acceptance by SP		Use is subject to acceptance by SP May only be used as jacking pipes	May only be used as jacking pipes	
58		Steinzeug Keramo	Keramo								
59		Naylor / Rocla	Denlok								
60	DI IO bends or X Drop fitting	Crevet			All DI fittings to be wrapped				Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
61		Viadux									
62	Metal-banded flexible coupling	Flex-Seal	Flex-Seal	Up to DN600	Not to be used to connect to unrestrained PE Pipe. Fitting not designed to restrain thermal expansion/ contraction forces of PE pipework.				Not to be used for PE pipes where thermal expansion / contraction of pipework is likely to result in pull-out of the coupling		
63		DEKS	DEKS shear banded coupling	DN100 to DN225							
64		Rehau	Awaduct Flex Connect	DN100 to DN 630							
65		VIP Polymers/ Jaybro Group	VIPSeal	DN100 to DN600							
66	DI mechanical couplings - Non End Thrust Restraint	Viadux	Gibault - Ezigib & Varigib	Up to DN675	Long type. All DI fittings to be wrapped. DI must have thermal bonded polymeric coating				Use is subject to acceptance by SP		
67		Crevet	Gibault & Universal								
68		AVK	Gibault & Universal								
69			AVK Supa-Gib Couplings								
70		Viking Johnson	MaxiFit & QuickFit								
71		Derwent Industries									
72		DEKS	DEKS FLEXI-GIB								
73		Daemco	Reinversal								
74	Clover Pipelines	Clover Connect VPC	DN100 to DN600							CLOVER GIBALT NOT ACCEPTED BY SP	
75	316 Stainless Steel Sewer Clamps	346 4.1 - Nominal size DN100 - DN450; Branch offtake sizes DN100 - DN225	Derwent Industries	Sewer OB Junction	DN100 - DN450 with Offtake sizes DN100/ DN150/DN225	316 Stainless Steel Sewer OB Junction repair clamp for property connections on existing gravity sewer pipelines. The fixed off- take branch has an PVC-U access coupling	Use is subject to acceptance by SP	SP USE ONLY	Use is subject to acceptance by SP	Use is subject to acceptance by SP and not to be used on PVC-U or PE pipes	SP USE ONLY

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
76	Reinforced Concrete pipe	233 4.1 - Class 4 4.2 - Bends not permitted 4.3 - In corrosive soils coat external face with 250 micron DFT High Build Epoxy 4.4 - Lifting holes not permitted 4.5 - 2.0 mm PE sheet Factory cast-in liner with Invert overlapped but not welded 4.6 - No additional cover 4.7 - SBR & EPDM	Rocla			Use is subject to acceptance by SP			Use is subject to acceptance by SP	Use is subject to acceptance by SP
77		Humes								
78	Polycrete pipe	No WSA PS 4.1 - Class to suit design 4.2 - Bends not permitted 4.3 - Compliance with ASTM D 6783, DIN 54815-1 and DIN 54815-2 4.4 - SBR and EPDM Sewer Pipe and Jacking Pipe approved	Iplex	Meyer pipe	DN200 to 2600	Use is subject to acceptance by SP			Use is subject to acceptance by SP	Use is subject to acceptance by SP Coupling Grade 316 Stainless Steel (min.)
79		Global Pipe	Al Watani							
80	CC-GRP (centrifugally cast) pipe and Fittings - Sewer Pipe	237S 4.1 - PN1 4.2 - SN10,000 minimum 4.3 - Soc-Sp RRJ 4.4 - Standard Glass 4.5 - SBR & EPDM	Superlit / Clover Pipelines	Superlit	DN400 - DN1400	Sewer Pipe	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
81	FW-GRP (filament wound) pipe and Fittings - Sewer Pipe	205S 4.1 - As per product 4.2 - PN1 4.3 - SN10,000 minimum 4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH Couplings 4.5 - Soc-Sp RRJ 4.6 - Standard Glass 4.7 - SBR & EPDM	Flowtite / Iplex	Flowtite	DN300 - DN3000	Sewer Pipe	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
82		Global Pipe	Fiberstrong	DN300 - DN4000						
83		Superlit / Clover Pipelines	Superlit	DN300 - DN3000						
84	CC-GRP (centrifugally cast) pipe and Fittings - Jacking Pipe	205J 4.1 - As per product 4.2 - Pressure Class by design 4.3 - Stiffness Class by design 4.4 - Jacking Load by design 4.5 - 316 Stainless Steel (min) or GRP couplings 4.6 - SBR & EPDM 4.7 - Pipe Lengths to manufacturers requirements 4.8 - Standard Glass	Hobas / Global Pipe	Hobas	DN250 - DN3600	Jacking pipes	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP Only use GRP coupling for acid sulphate soil and saline environment
85		Empire Infrastructure	BOSSPIPE	DN300 - DN2000						
86		Superlit / Clover Pipelines	Superlit	DN400 - DN1400						
87	FW-GRP (filament wound) pipe and Fittings - Jacking Pipe	206J 4.1 - As per product 4.2 - Pressure Class by design 4.3 - Stiffness Class by design 4.4 - Jacking Load by design 4.5 - 316 Stainless Steel (min) or GRP couplings 4.6 - SBR & EPDM 4.7 - Pipe Lengths to manufacturers requirements 4.8 - Standard Glass	Flowtite / Iplex	Flowtite	DN300 - DN3000	Jacking pipes	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP Only use GRP coupling for acid sulphate soil and saline environment
88			Superlit / Clover Pipelines	Superlit	DN300 - DN3000					
89	Non-return valves	280 4.1 - Solvent Cement 4.2 - SN10 4.3 - No alternate elastomeric materials for joint seals accepted	Iplex	Flap valve	DN50 to DN300	All Di fittings to be wrapped	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
90				Reflux valve fabricated	DN100					
91			Vinidex	Flap valve	DN50 to DN100					
92			Hygrade Water	WaStop Non-return valves	DN75 to DN1800					
93			No WSA PS	Fluid Control	Red valve - Tideflex check valves					
94	HMA Flow & Industrial - Valveco	Proflex Rubber Check Valve	DN 25 to DN 2500							
95	Knife gate valve - Stainless Steel	266 4.1 - PN10 4.2 - Wafer or Lugged 4.3 - Clockwise closing, rising spindle	Emerson	Keystone	Up to DN600	Body stainless steel Grade 316. Gate stainless steel Grade 316. Gland Follower stainless steel Grade 304 or 316. Spindle stainless steel grade 304 or 316. Yoke/Pillar/Bridge stainless steel Grade 304 or 316. Seat EPDM, NBR, RTFE or Viton. All fasteners stainless steel Grade 316.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
96			Challenger	Challenger						
97			AVFI	AVFI						
98			HMA Valveco	HMA Valveco						
99			AVK (Note: This is the only vendor complying with 316 SS throughout)	Orbinox						
100	Bonnetted knife gate valve - Stainless Steel	266 4.1 - PN10 4.2 - Wafer or Lugged 4.3 - Clockwise closing, rising spindle			Up to DN600	Body stainless steel Grade 316. Bonnet stainless steel Grade 316. Gate stainless steel Grade 316. Gland Follower stainless steel Grade 304 or 316. Spindle stainless steel grade 304 or 316. Yoke/Pillar/Bridge stainless steel Grade 304 or 316. Seat EPDM, NBR, RTFE or Viton. All fasteners stainless steel Grade 316.	Use is subject to acceptance by SP.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
101	Knife gate valve/penstock - Fabricated Stainless Steel	No WSA PS 4.1 - PN1 4.2 - Flange mounted frame to suit AS 4087 PN16 flange drilling pattern, or wall mounted. Fasteners on inlet side only. 4.3 - Clockwise closing, rising spindle mounted within non-rising torque tube. Lift nut mounted on thrust tube above top water level. (Note: This is a low pressure type gate valve / penstock, suitable only for sewer isolation etc.)	Australian Water Engineers	Australian Water Engineers	DN100 to DN1200	Frame, Gate, Stem, Torque Tube, Thrust Tube: stainless steel Grade 316, electropolished. Seat UHMWPE. Lift Nut aluminium bronze. All fasteners stainless steel Grade 316.	Use is subject to acceptance by SP. Fabricated knife gate valve / penstock to comply with requirements of CoGC Supplementary mechanical & Electrical Specification	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Fabricated knife gate valve / penstock to comply with requirements of Unitywater Pr9693 - Specification for Mechanical Installation
102	Knife gate valve - Ductile iron body	266 4.1 - PN10 4.2 - Wafer or Lugged 4.3 - Clockwise closing, rising spindle	Emerson	Keystone	Up to DN600	Body and Gland Follower ductile iron with fusion bonded polymeric coating external to 300 µm, internal to 350 µm (min.) or high-build two-pack epoxy to 275 µm (min.). Gate stainless steel Grade 316, electropolished. Seat stainless steel Grade 316. Spindle stainless steel Grade 316. Yoke / Pillar / Bridge carbon steel with fusion bonded polymeric coating to 300 µm or high-build two-pack epoxy to 275 µm (min.). Seat EPDM, NBR, RTFE or Viton. All fasteners stainless steel Grade 316. All Di fittings to be wrapped	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
103			Challenger	Challenger						
104			AVFI	AVFI						
105			AVK	CYL						

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
Category: SEWERAGE PIPES AND FITTINGS - PRESSURE										
107	PVC-M pipe 209 4.1 - PN16 4.2 - Sewer Rising main 4.3 - Series 2 only 4.4 - Cream refer POP203 4.5 - SBR & EPDM	Iplex	RHINO	DN100 150 200 225 250 300 & 375						
108		Vinidex	Hydro						Use is subject to acceptance by SP	NOT ACCEPTED BY SP
109		Viadux	Plaspipes							
110		Micron Pipelines	Micron Pipelines	DN100 - DN300						
111		Pipemakers	Pipemakers Enviromain							
112	PVC-O pipe 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203 4.5 - SBR & EPDM	Iplex	ApolloBLUE	DN100 150 200 225 250 300 & 375						
113		Vinidex	Supermain							
114		Micron Pipelines	Micron Pipelines	DN100 - DN375					Use is subject to acceptance by SP	NOT ACCEPTED BY SP
115		Pipemakers	Alphamain	DN100 to DN150						
116					up to DN375				Use is subject to acceptance by SP	
117	DI pipe 200 and WSAA TN6 4.1 - All Pressure Classes - see Column F 4.2 - Seal Coat not required for Sewerage 4.3 - Internal Linings - see Columns F-K 4.4 - All pipes to be polyurethane or Zn-Al alloy and epoxy coated. All fittings to be Fusion Bonded Polymeric Coated 4.5 - Restraint Joint Seals by approval 4.6 - SBR and EPDM 4.7 - PE sleeving is required on ALL DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Beaver-Jindal Australia/NZ		DN225 to DN750	PN20					PN20 NOT ACCEPTED BY SP
118		Vinidex	ZAP-GP							
119		Clover Pipelines	Clover/Xinxing	DN250-750 (not 225)						
120		Vinidex	ZAP-HAC			PN20, CAC lining for corrosive flows				
121		Beaver-Jindal Australia/NZ		DN225 to DN750						
122		Clover Pipelines	Clover/Xinxing							Use is subject to acceptance by SP
123		Vinidex	ZAP-GP			PN35 and Flange class CP or SR lining				
124		Beaver / Iplex	Ironite (XINAL400+ coating)							
125		Beaver / Iplex	Ironite (XINAL400+ coating)							
126		Vinidex	ZAP-HAC							
127		Saint-Gobain	DIMAX/TYTONXTREME Z+			PN35 and Flange Class, CAC or HAC lining for corrosive flows				
128		Viadux	DIMAX/TYTONXTREME Z+	DN100 - DN750 (not 225)		400g/m2 Zn/Al+100µm epoxy or min 900 micron Polyurethane external coating.				
129		Clover Pipelines	Clover/Xinxing							
130		Clover Pipelines	Clover/Samsun	DN100 - DN300						
131		Reece/Viadux	DIMAX/TYTON XCEED Z+			PN35 and Flange Class				
132	Beaver / Iplex	Jindal SAW	DN100 - DN750 (not 225)		400g/m2 Zn/Al+100µm epoxy or min 900 micron Polyurethane external coating Min 1300 micron Polyurethane internal lining					
133	DI Pipe - ISO	VonRoll / Reece	Ducpur/ Ecopur	DN80 - 700	Polyurethane internal protection	Detector Tape for ISO Pipe spirally wound along pipe and over PE sleeve.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
134	DI fittings - bends, tapers, tees/branches, connectors, risers & caps/blank ends 201 4.1 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by approval 4.4 - SBR & EPDM	Viadux	Tyton Joint & Sureflow	Up to DN750 (not 225)						
135		Crevet / Iplex	Crevet	Up to DN750 (not 225)						
136		Vinidex	Superlink	Up to DN750 (not 225)						
137		Derwent		Up to DN750 (not 225)						
138		Gillies		DN100 & DN150		Thermal bonded polymeric coating is the standard material in WSA PS 201 and WSA PS212.				
139		Himgiri Castings/Galvin Engineering / CivilPipes	Galvin	DN80 to DN300						
140		Dobbie Dico	Dobbie	DN100 to DN250		All DI fittings to be wrapped				
141		Mallet	Mallet	DN80 to DN750						
142	Clover Pipelines	Clover	DN80 to DN150							
143	Daemco	Daemco	DN80 - DN375							
144	Bolts	No WSA PS Refer Standard Drawing SEQ-WAT-1313-1 etc.			316 Stainless steel bolts	Refer Standard Drawing	Refer Standard Drawing	Refer Standard Drawing	SS316	Grade 316 Stainless Steel (min.)

	A	B	C	D	E	F	G	H	I	J	K
	Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
145	316 SS repair and flanged off-take clamps	313 4.1 - Type R, Type F or Type R and Type F by SP approval 4.2 - Pipe DN by SP approval 4.3 - Off-take DN by SP approval 4.4 - Min. PN16	Crevet		DN100 to DN300	Flanged off-take clamps approved Type R for DI, AC and CI host pipes and Type F for PVC-m, PVC-u only, to pipe manufacturers specifications. Host pipe to be of suitable condition.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Type R accepted only In acid sulphate soils the clamp must be Denso wrapped.
146			Viadux	Wang	DN100 to DN300						
147			Cascade Control	Rapid Clamps	DN40 to DN350						
148			Daemco	Norma Connect	DN80 to DN300						
149			AVK	AVK Series 748	Up to DN300						
150			Derwent								
151	Flange (DI) off-take clamps for DIOD pipes	313 4.1 - Type R, Type F or Type R and Type F by SP approval 4.2 - Pipe DN by SP approval 4.3 - Off-take DN by approval 4.4 - Min. PN16	Derwent	Uniclamp	DN100 & DN150	Flanged off-take clamps approved Type R for DI, AC and CI host pipes and Type F for PVC-m, PVC-u only, to pipe manufacturers specifications. Host pipe to be of suitable condition.	Type R and Type F accepted Accepted to be used where under pressure connection is approved by SP		Use is subject to acceptance by SP	Only DN100 flange offtake accepted	
152	Repair Couplings	270 4.1 - PN16 4.2 - All pipe materials 4.3 - Short and Long Series 4.4 - Straight and Stepped 4.5 - All DN Range options 4.6 - Flange end not used 4.7 - EPDM, NBR, Neoprene 4.8 - SS316 bolts, nuts and washers shall be used	Nova Siria/Hygrade Water	Duofit	DN 300 - DN2000		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
153			Hygrade Water Australia	cQuick Encapsulation Repair collar	DN 80 - DN200						
154	Flange (DI) off-take clamps	327 4.1 - Pipe DN63 and larger (see WSA PS 207) - Off-take ID 20 mm minimum 4.2 - PN16 4.3 - Female Rp thread to AS ISO 7.1 4.4 - Without electrical isolation	Hawle / Hygrade Water	Haku	DN125 to DN355	For use on PE pipe only. Installed and commissioned in accordance with manufacturers recommendations.	Accepted to be used where under pressure connection is approved by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only accepted for use where welded joints are not practical	
155			Derwent	Uniclamp	DN125 and DN180						
156	Metal-banded flexible couplings - Vacuum Valve coupling use only	235 4.1 - Need for adaptor bushes where difference between OD of pipe and ID of coupling greater than 16 mm 4.2 - Metal band and bolts shall be min SS316	Flex-Seal	Flex-Seal	Up to DN600			Use is subject to acceptance by SP	Use is subject to acceptance by SP		NOT ACCEPTED BY SP
157			DEKS	DEKS shear banded coupling	DN100 to DN225						
158	DI mechanical couplings - Non End Thrust Restraint	270 4.1 - PN16 4.2 - All pipe materials except PE 4.3 - Long Series 4.4 - Straight Soc-Soc 4.5 - Stepped coupling require SP approval 4.6 - Flange end not used 4.7 - SBR & EPDM 4.8 - SS316 bolts, nuts and washers shall be used	Viadux	Gibault - Ezigib & Varigib		Long type. All DI fittings to be wrapped. DI must have thermal bonded polymeric coating.					
159			Crevet	Gibault & Universal							
160			AVK	Gibault & Universal							
161				AVK Supa-Gib Couplings	Up to DN675						
162			Viking Johnson	MaxiFit, QuickFit							
163			Derwent Industries		DN100 to DN250						
164			DEKS	DEKS FLEXI-GIB	DN80 to DN600						
165			Daemco	Reinoversal	Up to DN 600						
166	Clover Pipelines	Clover Connect VPC	DN100 to DN600								
								CLOVER GIBAULT NOT ACCEPTED BY SP			

A	B	C	D	E	F	G	H	I	J	K		
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater		
167	<p>271 4.1 - PN16 4.2 - CI, DI, PE, SCL, AC 4.3 - Long Series 4.4 - Straight and Stepped and Flange Adaptor 4.5 - All DN range options 4.6 - Flange adaptors to be drilled as per AS/NZS 4087 Figure B5 4.7 - SBR & EPDM & Nitrile 4.8 - Use of pipe stiffener inserts for PE pipe as per fitting manufacturer's requirements 4.9 - All DI fittings to be wrapped with CI and DI systems 4.10 - Flange adaptors up to DN355 PE shall be full bore connection i.e. DN63 PE / DN50 FL, DN125 PE / DN100 FL, DN180 PE / DN150 FL, DN250 PE / DN200 FL, DN315 PE / DN250 FL and DN355 PE / DN300 FL</p>	Hawle / Hygrade Water	Synoflex Restraint	50NB - 300NB	<p>Synoflex is manufactured to EN14525:2005, not Australian standards. Therefore the fitting gripper socket DN's may not suit the same pipe DN's for some pipe materials and sizes (e.g. DN200 CI/OD pipes). In this case a larger gripper socket DN may need to be used. Contractors need to check the suitable gripper socket DN's for their pipes.</p> <p>Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.</p>				Only accepted for use where welded joints are not practical	The use of gripper type fittings on AC, DI and SCL pipe is subject to acceptance by SP		
168		Georg Fischer	Multijoint 3000 Plus Restraint		<p>Georg Fischer 3000 Plus is manufactured to EN14525:2005, not Australian standards. Therefore the fitting gripper socket DN's may not suit the same pipe DN's for some pipe materials and sizes (e.g. DN200 CI/OD pipes). In this case a larger gripper socket DN may need to be used. Contractors need to check the suitable gripper socket DN's for their pipes.</p> <p>Requires pipe stiffener insert to be installed when connecting to PE or PVC pipe.</p>							
169		DI mechanical fittings - End Thrust Restraint (Gripper Type)	Nova Siria / Hygrade Water	Multigrip	DN350 - DN1400	Requires pipe stiffener insert to be installed when connecting to PN16 (SDR 11) PE100 pipe.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
170			Viking Johnson	UltraGrip	DN100 - DN300					Only accepted where welded joints are not practical	Use is subject to acceptance by SP. Not approved for use in acid sulphate soils and saline coastal environments.	
171		<p>245 for PE 4.1 - PN16 4.2 - SBR, EPDM and Nitrile 4.3 - Use of pipe stiffener inserts for PE pipe as per fitting manufacturer's requirements 4.4 - Flange adaptors up to DN355 shall be full bore connection i.e. DN63 PE / DN50 FL, DN125 PE / DN100 FL, DN180 PE / DN150 FL, DN250 PE / DN200 FL, DN315 PE / DN250 FL and DN355 PE / DN300 FL</p>	Hawle / Hygrade Water	System 2000	DN63-DN355	Does not require pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.				Only accepted for use where welded joints are not practical	Use of Hawle System 2000 and AVK SupaPlus restrained couplings are subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.	
172			AVK	Supa Plus Restraint		Requires pipe stiffener inserts to be installed					The use of gripper type fittings on AC, DI and SCL pipe is subject to acceptance by SP	
173	Viking Johnson		Aquafast and Aquagrip Restraint	DN63 - DN315	<p>Aquafast does not require pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.</p> <p>Aquagrip Restraint coupling requires pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.</p>				Use is subject to acceptance by SP			
174	Daemco		Xcel Restrained Coupling and Flange Adaptor	DN63 - DN315 for Coupling & DN63 - DN315 for Flange Adaptor	Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.					Only accepted for use where welded joints are not practical	Use of Daemco Xcel Restrained Couplings is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations	
175	Victaulic Piping Products		Victaulic Restrained Couplings Style 905	Up to DN225	Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.							
176	DI flanged telescopic flexible fitting	No WSA PS Aligned to WSA PS-201 and WSA PS-270 with Flanges to AS 4087 Figure B5 To comply with WSA PS-201S when published	Hawle / Hygrade Water	Vario	DN50 - DN200	All DI fittings to be wrapped	SP USE ONLY		SP USE ONLY			
177	<p>284 4.1 - No alternative material grades 4.2 - As per manufacturer's requirements 4.3 - Configuration: FI-FI for DJ & FI/Sp for UniFlange 4.4 - Fitting type: thrust type and non-thrust type 4.5 - Thrust Restraint by Fitting 4.6 - SBR & EPDM</p>	Viadux			Thrust restraint type and non-thrust type are Flanged to AS4087 PN16.	Dismantling joints shall be restrained type only Use of uni-flange is subject to acceptance of SP						
178		Dismantling joints for Flange Pipe and Fittings	Viking Johnson			SS316 bolts, nuts and washers.	NOT ACCEPTED BY SP				Uni-flange to be used within pit or aboveground locations only	
179			HMA Group	Uni-Flange Adaptor	DN50-DN500	Larger sizes of UniFlange shall be assessed for available Fitting PN vs Pipeline Test Head.	Use is subject to acceptance by SP		Use is subject to acceptance by SP			
180			Hygrade Water	Pipemate	DN80-DN900		NOT ACCEPTED BY SP					
181			AVFI	AFD10 Series	DN80-DN1200	All DI fittings to be wrapped	Restrained type only	Restrained type only				
182	<p>207 4.1 - PN16 4.2 - Sewer Rising main 4.3 - Coil pipe permitted up to DN125 with Pipe lengths for larger DN 4.4 - Cream refer POP203 4.5 - PE100 only</p>	Iplex	POLIplex							PE is preferred pipe material Pressure Sewer/ Rising main pipes shall be black with cream stripes Vacuum Sewer pipes shall be solid cream (co-extruded with the pipe)		
183			Vinidex	Sewertech							NOT ACCEPTED BY SP	
184			David Moss Corporation	DAMOS	DN40 50 63 90 125 180 250 315 355 450 560 630 800							NOT ACCEPTED BY SP
185			Poly Pipe	SewerFlex								NOT ACCEPTED BY SP
186			Enviropipes	Enviropressure								NOT ACCEPTED BY SP
187			Cromford	Identipipe								NOT ACCEPTED BY SP
188			ACP	ACP	DN40 50 63 90 125 180 250 315	For directional drilling installations, minimum SDR 9 (PN20 PE100) unless specified otherwise and install with tracer wire.	Use is subject to acceptance by SP					NOT ACCEPTED BY SP
189		PE pipe	ASA		DN40 50 63 90 125	Pipe wall thickness to be designed for installation forces.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP			NOT ACCEPTED BY SP
190			Agru		DN40 50 63 90 125 180 250 315 355 450 560 630 800	Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available	Use is subject to acceptance by SP					NOT ACCEPTED BY SP
191			Pipemakers	Pipemakers								NOT ACCEPTED BY SP
192		Clover	Clover/Rohr	DN40 50 63 90 125 180 250 315 355 450 560 630					PE is preferred pipe material - PE shall be used unless specific site conditions dictate otherwise.	Use is subject to acceptance by SP		
193		Acu-Tech	Acu-Tech	DN40 - DN800		Use is subject to acceptance by SP				Use is subject to acceptance by SP		
194	PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	207, POP016 4.1 - PN16 minimum 4.2 - Sewer Rising main 4.3 - Coil pipe permitted up to DN125 with Pipe lengths for larger DN 4.4 - Cream refer POP203 4.5 - HSCR PE100 only	Iplex	Millennium HSCR PE	DN40 50 63 90 125 180 250 315 355 450 560 630 800	For directional drilling and pipe bursting installations, minimum SDR 9 (PN20 HSCR PE100) unless specified otherwise and install with tracer wires. Pipe wall thickness to be specified as normal PE100 as such "extra" strength should be provided. Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Pressure Sewer /Rising main pipes shall be black with cream stripes Vacuum Sewer pipes shall be solid cream (co-extruded with the pipe)	
195	PE fittings - Moulded - High Stress Crack Resistant (HSCR) Polyethylene	208 2(a) - AS/NZS4129 or EN1555 or EN12201 or EN13244 is acceptable. HSCR compounds shall comply with AS/NZS 4131 and POP016. 4.1 - PN16 4.2 - Electrofusion and butt weld 4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges & SS316 backing rings to AS/NZS 4087 Fig B5 or B7 4.5 - SBR & EPDM	Agru	Agruline	Up to DN630	Electrofusion fitting to be long type. Stub flange may only be used for DN450 and larger sizes	Sizes of DN630 and above which are machined fittings are subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Accepted up to DN355		

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
196	208 2(a) - AS/NZS4129 or EN1555 or EN12201 or EN13244 is acceptable 4.1 - PN16 4.2 - Electrofusion and butt weld 4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges & SS 316 backing rings to AS/NZS 4087 Fig B5 or B7 4.5 - SBR & EPDM	George Fischer			Electrofusion fitting to be long type. Stub flange may only be used for DN450 and larger sizes.				Flanged tees and flanged saddles are not accepted by SP	Flanged tees and flanged saddles are not accepted by SP
197		Friatec / Vinidex	Frialen	DN63XDN32 to DN350XDN90						
198		Plasson								
199		Agru	AGRU	Up to DN630						
200		Fusion Group / FusionPlast	Fusamatic	Up to DN630						
201		NUPIGECO	Elofit	DN20 to DN710						
202		Hydroflow / Plastitalia S.p.A	PLAST	Up to DN630						
203		Simona / Plasson	Simona	Up to DN500						
204		Mako	Mako	Up to DN630						
205		David Moss Corporation	DAMOS	Up to DN1000						
206	Fusion QLD	Flo Right	Up to DN450							
207	Guangdon Liansu / Crew Pipelines	Lesso	DN63 - DN800							
208	208 2(a) - AS/NZS4129 or EN1555 or EN12201 or EN13244 is acceptable 4.1 - PN16 4.2 - Electrofusion and butt weld 4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges & SS 316 backing rings to AS/NZS 4087 Fig B5 or B7 4.5 - SBR & EPDM	Adroit	Adroit		Butt Welded Fittings Stub flange may only be used for DN450 and larger sizes.				Use is subject to acceptance by SP	Use is subject to acceptance by SP
209		Pipestar	Pipestar	Up to DN355						
210	PE Flex Restraint Fitting (used as puddle flange)	Georg Fischer	EF Flex Restraint	DN180 – DN1600	PE100 In accordance with manufacturer's requirements	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		Use is subject to acceptance by SP
211		Plasson	Flex Restraint	DN180 – DN1600						
212	Full face PE flanges	Simona / Plasson	Simona		Metal insert in the flange, backing rings not required	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP
213		Plasson		DN80/DN100	Slotted flanges & backing rings suit both DN80 and DN100					
214		Iplex		Up to DN355	Full bore connections					
215		Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					
216		Fusion Group / FusionPlast	Fusamatic	DN90 to DN 450	DN90 slotted flange is not accepted					
217		David Moss Corporation	DAMOS	Up to DN1200	Use is subject to acceptance by SP					
218	208 (Fabricated Fittings) 4.1 - PN16 4.2 - Electrofusion and butt weld 4.3 - Full Face Flange with SS backing ring 4.4 - Flange standard AS/NZS 4087 B5 or B7 4.5 - SBR & EPDM	Rodney / Vinidex	Maxi Stub	Up to DN355	Full bore connection					
219	Mechanical Restraining Flange for PE Pipe	No WSA PS 1 - PN16 Minimum 2 - SS316 bolts, nuts and washers shall be used	Derwent Industries	Derwent Industries	DN125 & DN180					
220	Steel pipe	Steel Mains	Sintapipe	DN324 - 2159	RRJ unless otherwise approved Coating to be fusion bonded polyethylene minimum. Lining to be fusion bonded polyethylene	Accepted OD610 or larger	Use is subject to acceptance by SP DN610 minimum size	Use is subject to acceptance by SP DN610 minimum size	Use is subject to acceptance by SP	Use is subject to acceptance by SP
221		Pipe Lining and Coating	Fusionkote	OD168 - 3624						
222	Steel fittings – bends, tees and reducers	Steel Mains	Sintakote	OD114 - 2500			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
223		Pipe Lining and Coating	Fusionkote	OD168 - 3624						
224	Stainless Steel Pipe	ASSDA accredited fabricators	N/A	DN100 - DN750	Min. Grade 316 Min. PN16 Flange to AS4087 Fig B5	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
225		MM Kembla	KemPress	DN15 to DN100	Min. Grade 316 Min. PN16					

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
1	Stainless Steel Fittings	MM Kembla	KemPress	DN15 to DN100	Min. Grade 316 Min. PN16	Use is subject to acceptance by SP		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
226										
227	260 4.1 - PN16 4.2 - FI-FI, Soc-Soc, Sp-Sp, FI-Soc, FI-Sp and FI-gripper socket end configurations accepted 4.3 - Integral By-pass on DN450 and larger (Not accepted by Unitywater and Urban Utilities) 4.4 - Gear Box on DN600 and larger (Refer Mechanical List) 4.5 - Anti-Clockwise closing 4.6 - No requirement for spindle cap colour 4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap 4.9 - SBR & EPDM 4.10 - Stiffener inserts for PE pipe as per manufacturers requirements	AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 55	Up to DN400 Up to DN600 DN450 to 600	Some valves may not need by-pass (check with SEQ SPs). All DI fittings to be wrapped All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted	DN600 and larger valves shall be DeZurik Eccentric Plug Valves				Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.
228		Hawle	E2 E2 System 2000	DN50-200 DN50-300						
229		Viadux	Series 500 Auslite II Auslite III	Up to DN600 DN100 - DN300 Up to DN 600						
230		Karon / Challenger	Karon Karon (FL-FL light weight design) Karon (FL-FL integral bypass valves)	DN80 - DN600 DN80 - DN300 DN450 - DN600						
231		AVFI		DN80 - DN600						
232		Betta	BETTA	DN80 - DN600						
233		AAP Industries	Maxflo/appFLO	DN80 to DN300						
234		Derwent Industries	Derwent	DN80 - DN600						
235		DAEMCO		DN80 to DN300 for Soc-Sp DN80 to DN375 for FL						
236		Reece	DIMAX	DN80 - DN600 (FI-FI) DN100 - DN150 (Soc-Soc) DN100 - DN150 (Sp-Sp)						
237	278 (RSGVs with PE tails) 4.1 - PN16 4.2 - Anti-Clockwise closing Configurations accepted 4.3 - No requirement for spindle cap colour 4.4 - Extension Spindle to WSA PS - 262 4.5 - Spindle Cap required	AVK	Series 36/80	Up to DN300	All valves shall be restrained. All DI fittings to be wrapped.					
238		Hawle	E2	Up to DN200						
239	281 (RSGVs with restrained/gripper ends) 4.1 - PN16 4.2 - Anti-Clockwise closing Configurations accepted 4.3 - No requirement for spindle cap colour 4.4 - Extension Spindle to WSA PS - 262 4.5 - Spindle Cap required 4.6 - SBR & EPDM 4.7 - Stiffener inserts for PE pipe as per manufacturers requirements 4.8 - Integral By-pass on DN450 and larger (Not accepted by Unitywater and Urban Utilities)	AVK	Series 01/71	Up to DN300	All valves shall be restrained. All DI fittings to be wrapped.					Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations
240		Hawle	E2 System 2000	DN50 - DN300						
241		Betta	BETTA	DN100 - DN250						
242		Derwent Industries	Derwent	DN100 - DN150						
243	DAEMCO		DN100 - DN150							
244	260 4.1 - PN25 4.2 - FI-FI 4.3 - Integral By-pass on DN450 and larger (Not accepted by Unitywater and Urban Utilities) 4.4 - Gear Box on DN600 and larger (Refer Mechanical List) 4.5 - Anti-Clockwise closing 4.6 - No requirement for spindle cap colour 4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap 4.9 - SBR & EPDM	Reece	DIMAX	DN80 - DN300 (FI-FI)	PN25 Some valves may not need by-pass (check with SEQ SPs). All DI fittings to be wrapped All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted	Use is subject to acceptance by SP		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
245		Daepoong/ CNS Engineering	S- Gate Valve	DN100 - DN250	Valve for Underpressure Line Stopping, suitable for rigid pipes with CIOD compatibility, i.e. Ductile Iron, Cast Iron and Asbestos Cement	SP USE ONLY	SP USE ONLY	Use is subject to acceptance by SP	SP USE ONLY	SP USE ONLY
246	261 4.1 - PN16 4.2 - FI-FI 4.3 - Gearbox typically on DN600 and larger (Refer Mechanical IPAM List) 4.4 - Anti-clockwise closing 4.5 - No requirement for spindle cap colour 4.6 - Extension spindle to WSA PS-262 4.7 - Spindle Cap 4.8 - SBR & EPDM 4.9 - Integral bypass not accepted by Urban Utilities	AVK	Series 580	DN375 - DN600	All DI fittings to be wrapped. All valves shall be restrained	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
247	262 4.1 - DN100 to DN525/600 4.2 - Length by Design 4.3 - Valve extension spindles shall be coated with a polymeric coating to AS 4158 with 350 µm DFT (minimum), or Valve extension spindles shall be hot-dip galvanized in accordance with AS 4680, or Valve extension spindles shall be injection moulded high strength, high stiffness glass fibre reinforced thermoplastic in accordance with the relevant sections of AS/NZS 2638.2:2011. 4.4 Spindle support with bearing at 1 per installation minimum and at 1.8 m max spacings for pit installation	Viadux			AS2638 Compliant						
248		NIBF / Iplex									
249		Forge Bros / Vinidex									
250		Challenger					Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
251		Daemco									
252		ANT Infrastructure Technologies	ANT	Up to DN300		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
253	DI fittings - tees and crosses with thermal bonded polymeric coating and built in resilient seated gate valves and vertical hydrant outlet	Hawle / Hygrade Water	Combi Valve	DN100, DN150 & DN200	Thermal bonded polymeric coating is the standard material in WSA PS 201 and WSA PS 212. All DI fittings to be wrapped	Use is subject to acceptance by SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
254	Ball Valves	AVFI	V1 Series - 1 Piece V2 Series - 2 Piece V3 Series - 3 Piece V2FH Series- Flanged	DN8 – DN50 DN8 – DN100 DN8 – DN100 DN15 - DN50	BSPT threaded connections. Suitable for sewage	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
255	CC-GRP (centrifugally cast) pipe and Fittings - Sewer Pipe	Superlit / Clover Pipelines	Superlit	DN400 - DN1400	DI Fittings to WSA PS 201 for Tees and Bends	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP Coupling - Grade 316 Stainless Steel (min.)	
256	205S 4.1 - As per product 4.2 - PN16 4.3 - SN10,000 minimum 4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH Couplings 4.5 - Soc-Sp RRJ 4.6 - Standard Glass 4.7 - SBR & EPDM	Flowtite / Iplex	Flowtite	DN300 - DN3000	DI Fittings to WSA PS 201 for Tees and Bends	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP Coupling - Grade 316 Stainless Steel (min.)	
257		Global Pipe	Fiberstrong	DN300 - DN4000							
258		Superlit / Clover Pipelines	Superlit	DN300 - DN3000							
259	No WSAA PS 4.1 - Flange to AS4087 Figure 5 4.2 - PN16	ABB	ABB			Use is subject to acceptance by SP			NOT ACCEPTED BY SP	ABB Water master	
260		Siemens	Siemens				Use is subject to acceptance by SP		NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
261		E & H	E & H						E & H Promag W400	NOT ACCEPTED BY SP	
262		Emerson	Emerson				Use is subject to acceptance by SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
Category: SEWERAGE MISCELLANEOUS ITEMS										
263										
264		Gatic / Milne								
265	290	EJ				Concrete Infill Covers are NOT ACCEPTED BY SP	Concrete Infill Covers are NOT ACCEPTED BY SP	Concrete Infill Covers are NOT ACCEPTED BY SP		Concrete Infill Covers NOT ACCEPTED BY SP
266	4.1 - DN600 4.2 - Round Solid Top (Conc Infill - Urban Utilities only) Sealed Type 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Standard Lifting Key 4.6 - Markings to AS3996 Clause 1.6. 4.7 - No Hinge 4.8 - Standard Packaging and Delivery 4.9 - As per Standards 4.10 - Standard Coating 4.11 - Bolt down for Surcharge and overland flow areas, 4 x M12 (min) SS316 Bolts 4.12 - As per SP requirements 4.13 - Rocking of cover in frame is not permitted	Webforge			Refer Standard Drawings.	Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.	Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.			
267	Maintenance structure covers, frames and risers	Civilmart			Covers with another Service Provider's name not accepted.	Class E to be used for motorway locations as per AS3996:2019	Class E to be used for motorway locations as per AS3996:2019			
268		Durham			Use of Square and Rectangular Covers and Frames subject to SP approved based on Design needs					
269		Hygrade								
270		Weidlok	Weidlok			Use is subject to acceptance by SP		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
271		Ducast	Ducast				Use is subject to acceptance by SP			
272	Polymeric Riser Ring for Concrete Maintenance Holes	ISC Services	Cretex Pro-Ring			Approved are Cretex Pro-Ring polymeric Class D angle, flat and grade make-up rings for sewer maintenance holes round of 610mm opening and rectangular of 914x610mm opening with thickness from 19 – 152mm. Approved for retrofitting only.	Use is subject to prior approval by SEQ-SP. Use is only applicable to raising existing maintenance hole access cover & frame.	Use is subject to acceptance by SP	Use is subject to prior approval by SEQ-SP. Use is only applicable to raising existing maintenance hole access cover & frame.	Use is subject to prior approval by SEQ-SP. Use is only applicable to raising existing maintenance hole access cover & frame.
273	Maintenance shaft covers, frames and risers DN<=450	Smartstream	Smartstream Top Hat- P8HDS		DI-Class D	Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
274		Webforge	Webforge (DCC4D32)		DI - Class D	Class E to be used for motorway locations as per AS3996:2019				
275	Maintenance hole lightweight polymeric lids and frames (non-corrosive)	Terra Firma			Composite - Class B and D	Non-Corrosive MH lids and frames are required for all MHs where internal protective coatings are required as per Clause 7.6.2 (i) to (vii) of the Sewerage Code TMR approval may be required on TMR roads	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
276		ACO SAKU			Composite - Class B	Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.				
277		Prime Composites			Composite – Class B and D	Class E to be used for motorway locations as per AS3996:2019				Use is subject to acceptance by SP
278		EJ	EJ SERVO		Composite – Class B and D	Use is subject to acceptance by SP				
279	Emergency Storage maintenance hole cover	Treloar	MC1000-Marway Cover	DN900	Class C Fabricated S/Steel grade 316 ring Nitrile gasket seal				Use is subject to acceptance by SP	
280	Step irons	Miyama / Nextep	Miyama							
281		Aymroo	Aymroo		M053	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		NOT ACCEPTED BY SP
282		C & C Plastics / Havestock	Posistep							
283		Industrial Steps & Ladders	Sure-Step							
284	Ladders	Miyama / Nextep	Miyama		Fibre reinforced plastics (yellow). Brackets & Fasteners to be SS316. Min. Clearances for Rung Type Ladders as per AS1657 <i>Fixed Platforms, Walkways, Stairways and Ladders - Design and Installation</i>					
285		Industrial Steps & Ladders	Add-A-Step		Revised installation procedure WSAA Product Update 1-2011, Subject to WSAA appraisal 5/11 and WSAA Product Alert 1-2010. Brackets as per manufacture specification. Fasteners to be SS316. Bright yellow.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		Use is subject to acceptance by SP
286		Galvanised Steel							Use is subject to acceptance by SP	
287		Aluminium			Refer to Standard Drawings				NOT ACCEPTED BY SP	
288		Stainless Steel								

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
1 289	Maintenance Shaft PVC 321 4.1 - As per Standards 4.2 - As per Specifications 4.3 - As per Standards 4.4 - Inlet and Outlet at DN150 to DN225 4.5 - Configurations as shown in Standard drawings 4.6 - As per accepted product 4.7 - Inlet and Outlet Sewer connection RRJ 4.8 - Cap as shown in Standard Drawings 4.9 - As per Standard Drawings 4.10 - Connect to PCV-U DWV pipe 4.11 - Max depth 3.0 metres FSL to Invert of Sewer Pipe	Aymroo	Aymroo	DN300 PVC-U Riser Shaft	Configurations of "Central Axis" maintenance shaft (CAMS) are not accepted		Refer to clause 7.7.2 of the SEQ Sewerage Code	Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
290	Maintenance Shafts PE 322 4.1 - As per Standards 4.2 - As per Specifications 4.3 - As per Standards 4.4.1 - Inlet and Outlet at DN150 to DN225 for PVC RIGSS 4.4.2 - Inlet and Outlet at DN160 to DN250 for PE Nusewer 4.5 - Configurations as shown in Standard drawings 4.6 - As per accepted product 4.7.1 - Inlet and Outlet PVC Sewer connection RRJ 4.7.2 - Inlet and Outlet PE Sewer connection Electrofusion 4.8 - Cap as shown in Standard Drawings 4.9 - As per Standard Drawings 4.10 - Max depth 3.0 metres FSL to Invert of Pipe	Smartstream	Poo-Pit		RIGSS DN300 PVC riser shaft. Nusewer fully welded with DN315 PE risers and sewer stubs.	Approved for DN150 to DN225 RIGSS only. Refer Standard Drawing SEQ-SEW-1314 Set for other approved PE MS and MH options	Approved for DN150 RIGSS only. Refer to clause 7.7.2 of the SEQ Sewerage Code	Approved for DN150 to DN225 RIGSS only. Refer to clause 7.7.2 of the SEQ Sewerage Code. Refer Standard Drawing SEQ-SEW-1314 Set for other approved PE MS and MH options	Max depth of 5.0 meters is acceptable	
291	Maintenance Shafts Polypropylene 341 4.1 - DN425 Corrugated Risers 4.2 - DN425 PP Base, PP Riser, DICL Cone 4.3 - Riser pipe stiffness SN4 4.4 - DN150 or DN225 DWV PVC connections 4.5 - Configurations: In-line, 30° 60° 90° bends, and 4-way 4.6 - Ribbed base and corrugated riser 4.7 - EPDM or SBR Ring Joints RIGSS connections. DN425 4-way riser junction for riser connections. 4.8 - No locking or relief cap 4.9.1 - Top-hat Class B Frame and Cover 4.9.2 - Top-hat Class D Frame and Cover 4.9.3 - Concrete encased cover arrangement Class B (sloped installations) 4.10 Max depth 3.0 meters to Invert of Sewer Pipe, with 5m water table	Iplex	EZlipit PA 09/01	DN425	Refer Standard Drawings Wavin Tegra 425 base + EZlipit riser			Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
292	341 4.1 - DN300 Risers 4.2 - PVC Riser 4.3 - SN8 riser pipe 4.4 - DN150 sewer 4.5 - In-line and bends and tees 4.6 - Base ribbed, Riser Solid Wall PVC 4.7 - EPDM or SBR Ring Joints RIGSS 4.8 - Locking relief cap as per Standard Drawings 4.9 - Standard MH surround, cover and frame 4.10- Max depth 3.0 meters to Invert of Sewer Pipe	SMS		SMS PA 09/08 parts 0 to 5 Code: MS1 Code: MS2 Code: MS5	Refer Standard Drawings			Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
293		REHAU		OD400-GD (Type H12) OD400-RML (Type H13)						
294	Maintenance Chambers Polypropylene 337 4.1 - DN600 Corrugated Risers 4.2 - DN600 PP Base, PP Riser, DICL Cone 4.3 - Riser pipe stiffness SN8 4.4 - DN150, DN225 DWV PVC connections 4.5 - Configurations: In-line, 30° 60° 90° bends, and 4-way 4.6 - Ribbed base and corrugated riser 4.7 - EPDM or SBR Ring Joints RIGSS connections. DN600 4-way riser junction for riser connections. 4.8 - No locking or relief cap 4.9A - Top-hat Class B Frame and Cover 4.9B - Top-hat Class D Frame and Cover 4.9C - Concrete encased cover arrangement Class B (sloped installations) 4.10 Max depth 3.0 meters to Invert of Sewer Pipe	Iplex	Ezlipit PA 09/01	DN600	Refer Standard Drawings Wavin Tegra 600 base + EZlipit riser			Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
295	337 4.1 - DN600 Corrugated Risers 4.2 - DN600 PP Base, PP Riser, no Cone 4.3 - Riser pipe stiffness SN4 minimum 4.4 - DN150, DN225 4.5 - Configurations: In-line, 30° 60° 90° bends 4.6 - Ribbed base and corrugated riser 4.7 - Elastomeric seal joint 4.8 - No locking or relief cap 4.9.1 - Telescopic adapter for Class B installations 4.9.2 - Standard MH surround, cover and frame 4.10 - Max depth 3.0 meters to Invert of Sewer Pipe	REHAU		DN600			Diameters > DN 600 subject to individual approval	Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
296	Maintenance Chambers Polyethylene (PE)	Smartstream	Mini pit	DN600				Use is Subject to acceptance by SP	NOT ACCEPTED BY SP	ACCEPTED FOR RIGSS NOT ACCEPTED FOR NUSEWER
297	Pre-cast Maintenance Holes	Humes		MH and MS DN150 and DN225 sewers	Refer Standard Drawings. Use for larger Sewer DN's and MH diameters is subject to acceptance by SP. Max depth of DN600 MS FSL to Invert of Pipe is 3.0 meters.	DN600 Pre-cast pre-benched Channel base and Bowl base Maintenance shafts approved as shown in Standard Drawings	Use of MS is subject to acceptance by SP	Use of MS is subject to acceptance by SP	NOT ACCEPTED BY SP	Pre-cast MHs accepted for RIGSS Use of MS is subject to acceptance by SP Pre-cast MHs not Accepted for NuSewer
298		Rocla								
299		Civilmart	Civilmart (BCP Precast)							
300	Pre-cast Concrete Converter Top Slab	Everhard			Refer Standard Drawings. Calcareous aggregates to be used					
301		Civilmart								
302		Australian Quality Precast								
303		Aquarius Precast								
304		First Contact Civil Supplies								
305	Plastic Maintenance Holes	Smartstream	Smart Pit	DN1050	Refer Standard drawings Max depth FSL to Invert of Pipe is 3.0 meters	Currently approved to be used as maintenance chamber or maintenance shaft only	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
306		Rehau	AWASHAFT	DN1000						
307		Iplex	Ezipit	DN1000		Use is subject to acceptance by SP			NOT ACCEPTED BY SP	Accepted for RIGSS, not accepted for NUSEWER. Use is subject to acceptance by SP
308	Vent poles	RPC Technologies			Refer Standard Drawings. Tapered, Galvanised, height as design. Preferred colour: heritage or mist green	Accepted option is RPC for a GRP pole @ designed height	Accepted option is RPC for a GRP pole @ designed height	Accepted option is RPC for a GRP pole @ designed height	Use is subject to acceptance by SP	Use is subject to acceptance by SP
309		Ingal EPS								
310	Valve box and cover C.I. & D.I.	Viadux		As per drawing SEQ-WAT-1305-1 Type B	Refer Water Code Standard Drawings for approved Valve Box and Cover Class D Cover Bitumen coated to AS 3750.4				Only Class D accepted	
311		NIBF								
312		Gatic / Milne								
313		Civilmart								
314		Hygrade Water	Hygrade Water							
315		Daemco								
316	Civil Pipes	Civil Pipes								
317	Valve pit access cover and frame	McBerns (Aluminium)			Refer Standard Drawings SEQ-SPS-1602-1 and SEQ-SPS-1606-1	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
318		Gatic								
319		Civilmart								
320		Webforge								
321		Hygrade								
322		EJ								
323		Durham								
324		Ducast								
325		Mass Products								

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
326	292 4.1-600 x 900 mm (Min.) 4.2-600 by 900 mm Clear Opening (Min.) 4.3-Standard Lifting Key 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7 - Bolt down requirement by design 4.8 - Class B for non-trafficable areas and Class D for trafficable areas	Prime Composites			Refer Standard Drawings SEQ-SPS-1602-1 and SEQ-SPS-1606-1	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
327		EJ									
328		Terra Firma									
329		ACO SAKU									
330	320 4.1 Cream Colour to POP203	Viadux	BLUEBOSS Cream		Mandatory sleeving to all DI pipe unless DI pipe manufacturer supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Gravity pipe Grey colour Pressure pipe Cream colour	Gravity pipe Grey colour Pressure pipe Cream colour	Gravity pipe Grey colour Pressure pipe Cream colour			
331		Crevet									
332	351 4.1 - Single sized 4.2 - Nominal 5 or 7 mm										
333	366 4.1 - Single sized 10 mm nominal 4.2 - Moisture Content by design 4.3 - Standard supply requirements	Queensland Recycling				NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	
334	357 4.1 - As follows 4.1.1 - Minimum Concrete Strength Class N20 for unreinforced thrust blocks 4.1.2 - Minimum Concrete Strength Class N25 for reinforced embedment 4.2 - Slump as required for placement										
335	358 4.1 - SCC40 with Fly Ash/Type SR Portland Cement ratio of 0.25 to 0.30. 4.2 - Slump as required for placement 4.3 - Calcareous aggregate at 20 mm					Calcareous aggregate size to be 10mm minimum. Admixtures shall be non-chloride type	Calcareous aggregate size to be 10mm minimum. Admixtures shall be non-chloride type	Cast in-situ MH's Refer details on Standard Drawings Concrete N32 minimum	Calcareous aggregate size to be 10mm minimum. Admixtures shall be non-chloride type	Calcareous aggregate size to be 10mm minimum. Admixtures shall be non-chloride type	
336	275 Refer Appendix B of AS4883 4.1 - Size of Valve - DN50 BSP, DN50 to DN200 Flanged. 4.2 - Class of valve - PN16 4.3 - Type of Port - Full and Reduced port 4.4 - Type of Valve - As per design needs 4.5 - Hydraulic Data - By design to AS4883 Appendix B	ARI Flow control		DN50-DN200	PN16, Anti Slam as required, Thermal bonded polymeric coating or 316 Stainless steel	DN225 and larger mains to only use Vinloc-Smartvalve	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	See drawing SEQ-SPS-1605-1 for standard gas release valve arrangement (manual operation). When Urban Utilities requires an automatic gas release valve, Vent Master PX is accepted. Use of others is subject to acceptance.	DN225 and larger mains to only use Vinloc-Smartvalve	
337		Bermad									
338		Vent-O-Mat									
339		Odour Technologies	Vinloc-Smartvalve								
340		AVFI	ARV-3-N								
341	ISCO	Vent Master PX									
342	264 Refer Appendix B of AS4794 4.1 - Class PN16 min 4.2 - Size by Design 4.3 - Medium - Sewage 4.4 - Installation - Horizontal 4.5 - Spindle - Extended 4.6 - Lever and Counterweight minimum with switches and indicators by Design 4.7 - Flanged to AS 4087 Figure B5	HMA Valveco	Valmatic Swing-flex	DN50 - DN600	MIN. PN16, Thermal bonded polymeric coating	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
343		Dobbie Dico	Dobbie Dico	DN80-DN900							
344		AVK	AVK Swing Check Valve 41/25	DN50							
345		AVK	AVK Swing Check Valve 41/8X	DN80-DN300							
346		Challenger Valves	Challenger - RSSC	DN80-DN375							
347		AVFI Pty Ltd	AVFI - RSSC	DN50-DN300							
348	264 Refer Appendix B of AS4794 4.1 - Class PN16 min 4.2 - Size by Design 4.3 - Medium - Sewage 4.4 - Installation - Horizontal 4.5 - Spindle - Extended 4.6 - Flanged to AS 4087 Figure B5	HMA Valveco	Valmatic Swing-flex	DN50 - DN600	MIN. PN16, Thermal bonded polymeric coating	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
349		Dobbie Dico	Dobbie Dico	DN80-DN900							
350		AVK	AVK Swing Check Valve 41/25	DN50							
351		AVK	AVK Swing Check Valve 41/8X	DN80-DN300							
352		Challenger Valves	Challenger - RSSC	DN80-DN375							
353		AVFI Pty Ltd	AVFI - RSFC	DN80 - DN600							
354	230 4.1 - Plain Wall 4.2 - Solvent Cement joints for Fabricated assemblies with Elastomeric Seal on Fitting Socket Ends 4.3 - Pipe DN100 @ SN10 min and Pipe DN150 and larger SN8 min. Fittings SN6 min 4.4 - SBR & EPDM 4.5 - Heavy Duty fittings accepted	Vinidex	Deep Sewer Junction & Reinforced Fittings such as Oblique Junctions and House Connection Bends and Inspection Tees	DN100-300	45 Deg Oblique Jn and Property Connection bends and Inspection Tees fibreglass wrapped. Fabricator has Certification to Section 6 of AS/NZS 1260 and fittings Fibreglass wrapped as shown on the drawings SEQ-SEW-1104-1 and SEQ-SEW-1105-1.				NOT ACCEPTED BY SP	DN100 at SN10, DN150 and larger at SN8 and Fittings at SN8 minimum	
355		Iplex									
356		Holman Industries									
357		M.E. Christensen									
358	236 4.1 - SN8 minimum 4.2.1 - DN150 only, 3.0 metres radius as a heat formed bend with standard socket and spigot RRJ ends. No ovality variation permitted. 4.2.2 - DN225 only, 3.0 metres radius preferred, spigot spigot ends as a heat formed bend or as a fibreglass wrapped fabricated bend with 7.5 degree segments with 300 mm to 400 mm segment length on inside springline 4.2.3 - All long radius bends by Certified fabricators to AS/NZS 1260 Section 6 4.3 - SBR & EPDM	Vinidex	Long radius 3000 mm bends	DN150 as bent pipe & DN225 as bent or fabricated pipe	AS/NZS 1260 SN8. DN150 Bends available from 5Deg to 45Deg. DN225 and larger individually fabricated to 45Deg.			Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
359		Iplex									
360		Tri Underground									
361		Holman Industries									
362	M.E. Christensen										
363	230 4.1 - Plain wall 4.2 - RRJ 4.3 - Min SN10 for DN100 and SN8 for DN150 and larger 4.4 - NBR or SBR or EPDM 4.5 - Heavy duty fittings shall be used 4.6 - One piece fully moulded 4.7 - Fibre reinforcement is not required	Holman Industries	Holman/Fabfit	DN100 and DN150	Currently approved are: Heavy duty RRJ Junctions (45 degree), bends (43, 45 and 88 degrees) and inspection tees for property connections SN rating (SN8 or SN10) and letters "Heavy Duty" (Super Duty) shall be imprinted on the surface of fittings. These one piece fully moulded fittings junctions and bends are to be used for Type A and B sewer property connections and are approved alternatives to the currently approved multi-piece fabricated fibre reinforced fittings			Use is subject to acceptance by SP	Use is subject to acceptance by SP		
364		Plastec	Plastec								

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
365	Fully moulded heavy duty DWV RRJ Slip Coupling	Holman Industries	Holman/Fabfit	DN150	SN rating (SN8 or SN10) and letters "Heavy Duty" (Super Duty) shall be imprinted on the surface of fittings. This one piece fully moulded fitting is to be used for Type A and B sewer property connections.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
366	PVC-U heavy duty maintenance hole inspection bends	Plastec	Plastec	DN100 RRJ/Sp (#19712) DN150 RRJ/Sp (#19714) DN150 Sp/Sp (#20041)	SN rating (SN8 or SN10) and letters "Heavy Duty" (Super Duty) shall be imprinted on the surface of fittings. This fitting is to be used for maintenance hole internal drops. DN150 Sp/Sp (#20041) is to be used for retrofitting on AC sewers only.		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
367	Detectable marker tape	Boddingtons								
368		Tapex								
369		Rain Harvesting	421			Use is subject to acceptance by SP				
370	Tracer wire	Tapex	Copperhead	500, 1000 and 2500 (feet)	Approved are SoloShot EHS and SoloShot Xtreme for HDD and Pipe bursting etc. Connectors to be used are: • Pipe burst connector, • DryConn 3-way direct bury lug connector • DryConn direct bury twist on connector Use of test station and/or grounding anode is accepted					
371	Security fencing				AS1725.1 Chain Link Fabric Fencing-powder coated black	Fence details generally to CoGC Standard Drawing 05-014	Refer to SEQ-SP for requirements	Fence details generally to CoGC Standard Drawing 05-014	Refer to SEQ-SP for requirements	
372	Hydrophilic Seal		Hydrolite							
373			KuniSeal C-31 DS			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
374	Casing Spacers	kwik-ZIP	HDX Series	Runner height of 38, 65, 90 and 125 mm	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes					
375			HD Series	Runner height of 30, 50, 75 and 100mm 110mm OD to 355mm OD (un-grouted annulus). May be used on carrier pipe diameters greater than 355mm OD where the annulus will be grouted	For SCL, DI, PE, PVC and GRP carrier pipes	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
376	Kerb Markers				As per SEQ-SEW-1103-3 and SEQ-SPS-1508-2	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		Only Brass markers accepted
377	Camlock				S/Steel 316					Maximum DN100
378	Protective internal lining - Polyethylene	Steuler								
379		Agrusafe								
380		Bluey Technologies								
381		AKS			min. 2.5 mm thickness	Mechanically anchored PE lining cast into wall & underside of top slab. PE liner shall be light in colour i.e. either white, cream, beige or yellow.				

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
382	<p>Protective internal coating - other coating types</p> <p>No WSA PS (refer WSA 201 Manual for Selection and Application of Protective Coatings) SEQ SPs requirements: 1 - Two component epoxy, solvent free, 100% solids 2 - Suitable for provision of single coats >=0.6mm thick 3 - Excellent stated resistance to Sulphuric Acid via Test results 4 - Minimum 15 minute Pot Life at 20 degrees C 5 - Light coloured 6 - Applied to manufacturers requirements 7 - Combined 10 year warranty from Applicator and Manufacturer</p>	Peerless Industrial Systems	Epigen 4029		<p>Colour white to grey</p> <p>Accepted are Ombran MHP15 and MHP SP3000 Cementitious profiling and coating with min thickness of 12mm to be used for concrete MH repairs</p>	<p>Internal coatings at 2.0 mm thick via minimum of two coats – this requirement overrides Note G14 on SEQ-SPS-1402-1.</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid</p>	<p>Use is subject to acceptance by SP Only cementitious or epoxy mortars to be used on existing concrete structures. (Mortar coating typically 25mm thick)</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness)</p>
383			Epigen 1311 Ultra							
384		Sika Australia	Sikagard - 63N							
385		Hychem Epoxy Systems	Hychem TL5							
386		International Paints	Celicoat 2000 Flakeline							
387		ITWPF	Epirez 733UHB							
388		Fernco / JDP Applications	Ultracoat Epoxy Coating							
389		Interflow	Interchem CAC							
390		BASF	MasterSeal 7000CR							
391		Building Chemical Supplies	Ombran MHP Ombran MHP SP3000							
392	Parchem	Sewpercoat								
393	<p>Protective external coating</p> <p>No WSA PS (refer WSA 201 Manual for Selection and Application of Protective Coatings) SEQ SPs requirements: 1 - Two Component solvent free polyurethane 2 - Suitable for provision of single coats >=0.6mm thick 3 - Excellent stated resistance to Sulphuric Acid via Test results 4 - Minimum 15 minute Pot Life at 20 degrees C 5 - Light coloured 6 - Applied to manufacturers requirements 7 - Combined 10 year warranty from Applicator and Manufacturer</p>	Steuler KCH	Oxydur PTB		<p>Colour white to grey & heritage green</p>	<p>Use is subject to acceptance by SP.</p> <p>External coatings at min 0.3 mm thick dry film via single coat.</p> <p>Sulphuric Acid Resistance to suit site conditions.</p> <p>SP Approved Equivalents are the listed Internal coatings</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP (minimum 2.0 mm thickness)</p>
394	<p>Precast concrete packaged sewage pumping stations</p> <p>No WSA PS 1 - Suppliers to manage the project and to coordinate the construction</p>	Aquatec		DN2.25m and DN3.20m	<p>To be used for reticulation systems only (not for trunk sewers)</p> <p>Subject to geotechnical conditions (e.g. not be used for water charged areas)</p>	<p>Accepted as per Aquatec CoGC version drawing sets 2019.COGC.STD.2250.01 – 07 and 2019.COGC.STD.3200.01 – 07 submitted on 22/11/2019</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>
395		Xylem		DN1.80m, DN2.20m and DN3.0m	<p>Accepted as per Xylem CoGC version drawing set Sheet 1 – Sheet 13 submitted on 22/11/2019</p>					

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
Category: WATER SUPPLY PIPES - PRESSURE											
396											
397	209 4.1 - PN16 4.2 - Drinking Water 4.3 - Series 2 only 4.4 - Blue 4.5 - SBR & EPDM	Iplex	RHINO	DN100 to DN450	Reiber ring accepted				Only accepted where PE is unsuitable	NOT ACCEPTED BY SP	
398		Vinidex	Hydro								
399		Viadux	Plaspipe								
400		Micron Pipelines	Micron Pipelines	DN100 to DN300							
401		Pipemakers	Pipemakers Enviromain	DN100 to DN300					Only accepted where PE is unsuitable		
402	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only 4.5 - SBR & EPDM 4.6 - Pipe colour: Blue for Drinking Water and Purple for No-Drinking Water (refer POP203)	Iplex	Apollo Blue	DN100 to DN300	Series 2 PN16, Min SN 10 MRS400 or MRS450	NOT ACCEPTED BY SP	SP USE ONLY	Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
403		Vinidex	Supermain								
404		Micron Pipelines	Micron Pipelines	DN100 - DN375							
405		Pipemakers	Alphamain	DN100 to DN150							
406			TOM®	Up to DN 375							
407	200 4.1 - All Pressure Classes - see Column F 4.2 - As per SP's requirements - see Column G-K 4.3 - As per accepted product 4.4 - All pipes to be polyurethane or Zn-Al alloy and epoxy coated. 4.5 - Restraint Joint Seals by SP approval 4.6 - SBR & EPDM 4.7 - PE sleeving is required on ALL DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Vinidex	ZAP-GP	DN250 - DN750 (not 225)	PN 20	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. PN20 - Use is subject to acceptance by SP Restraint joint seals <u>not</u> suitable for: -PN20 pipe; -Aboveground applications; -Combining joint restraint and thrust blocks; -Epoxy or fusion coated spigots -Other manufacturers sockets or other pipe materials. Use of Clover Pipelines and Beaver-Jindal is subject to acceptance by SP	
408		Clover Pipelines	Clover/Xinxing (ZnAIRE400)								
409		Beaver-Jindal Australia/NZ		DN225 to DN750							
410			Beaver / Iplex	Jindal SAW	DN100 to DN750	PN 35 and Flange Class, CP or SR lining Coating shall be minimum 400g/m2 Zn-Al alloy +100µm synthetic resin, or minimum 900µm polyurethane or approved equivalent.	Seal coat on all pipe sizes	Seal coat on pipes >= 450 Use of Beaver-Jindal products is subject to acceptance by SP	Accepted where PE is unsuitable for reticulation mains. Accepted for mains > 300 NB. Seal coating required for all sizes.		Use is subject to acceptance by SP
411			Xinxing / Iplex	Ironite (XINAL400+ coating)	Up to DN 750 (not 225)						
412			Vinidex	ZAP-GP							
413			Saint-Gobain	PAM/TYTON Hydroclass Zinalium	DN100 - DN750 (not 225)						
414			Viadux	DIMAX/TYTONXCEL Z+							
415			Clover Pipelines	Clover/Xinxing (ZnAIRE400)							
416			Clover Pipelines	Clover/Samsun	DN100 to DN300						
417		Reece / Viadux	DIMAX/TYTON XCEED Z+	DN100 to DN750							
418		Beaver / Iplex	Jindal SAW		400g/m2 Zn/Al+100µm epoxy or min 900 micron Polyurethane external coating		Use is subject to acceptance by SP	Accepted where PE is unsuitable for reticulation mains. Accepted for mains > 300 NB. Seal coating required for all sizes.	Use is subject to acceptance by SP		
					Min 1300 micron Polyurethane internal lining		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
419	DI Pipe - ISO	202 4.1 - K9-PN35 4.2 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.3 - Restrained Joints on Zinc/Bitumen coated pipe 4.4 - Polyurethane without seal coating 4.5 - Only Polyurethane coating on aerial pipes 4.6 - SBR, EPDM or NBR 4.7 - PE sleeving is required on ALL DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	VonRoll / Reece	Ducpur/ Ecopur	DN80 - 700	Polyurethane internal protection	Detector Tape for ISO Pipe spirally wound along pipe and over PE sleeve.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
420	Small DN Ductile Iron Water Main pipe at PE OD's	No WSA PS 1 - PN16 minimum	Saint-Gobain PAM	BLUTOP	DN75-DN160	Restrained Joints PN16. Unrestrained joints PN25	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
421	SCL pipe	203 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Seal Coat required for DN450 and larger 4.4 - Fusion bonded polyethylene coating minimum 4.5 - Joint requirements by Design 4.6 - Cathodic Protection by design 4.7 - Standard pressure tests 4.8 - Fusion bonded polyethylene lining option 4.9 - Zinc metal spray as per the specification 4.10 - SBR & EPDM, 4.11 - Fusion bonded polyethylene coating minimum	Steel Mains	Sintakote	OD114, 168, 219, 257, 273, 324 to 2159.	Minimum thickness DN100 - 4.8 mm, >DN100 - 5 mm	Accepted for sizes OD610 or larger	Accepted for sizes >DN600	Accepted for sizes >DN600	Accepted where PE is unsuitable for reticulation mains. Accepted for mains > 300 NB. Seal Coat requirement is dependant on water quality	
422			Pipe Lining and Coating	Fusionkote	OD168, 219, 257, 273, 324 to 3624						

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
1											
423	<p>PE pipe</p> <p>207 4.1 - PN16 4.2 - Drinking and Non-Drinking Water 4.3 - Coil pipe permitted up to DN125 with pipe lengths for larger DN 4.4 - Mains Colour Blue Solid for Drinking Water and Purple solid for Non-Drinking Water with Water Service pipe Black with Blue Stripes for Drinking Water and Purple solid for Non-Drinking Water, refer POP203. 4.5 - PE100 only</p>	Iplex									
424		Vinidex		DN25, 32, 40, 50, 63, 90, 125, 180, 250, 315, 355, 450, 560, 630, 800							
425		David Moss Corporation	DAMOS								
426		Cromford	Identi-pipe								
427		Poly Pipe									
428		Enviropipes	Enviropressure								
429		ACP	ACP	DN25, 32, 40, 50, 63, 90, 125, 180, 250, 315							
430		Pipemakers	Pipemakers	DN25, 32, 40, 50, 63, 90, 125, 180, 250, 315, 355, 450, 560, 630, 800							
431		Clover	Clover/Rohr	DN25, 32, 40, 50, 63, 90, 125, 180, 250, 315, 355, 450, 560, 630							
432	Acu-Tech	Acu-Tech	DN40 – DN800								
433	ASA	Blueline	DN25, 32, 40, 50, 63, 90, 125			NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	
434	PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	Iplex	Millennium HSCR PE	DN25 32 40 50 63 90 125 180 250 315 355 450 560 630 800	For directional drilling and pipe bursting installations, minimum SDR 9 (PN20 HSCR PE100) unless specified otherwise and install with tracer wires. Pipe wall thickness to be specified as normal PE100 as such "extra" strength should be provided. Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available.		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
435	Copper pipe	MM Kembla	Kembla		Type A	Use is subject to acceptance by SP	Type B accepted	Use is subject to acceptance by SP		Use is subject to acceptance by SP	
436	CC-GRP (centrifugally cast) pipe and Fittings - Water main	Superlit / Clover Pipelines	Superlit	DN400 - DN1400	Minimum SN10000, PN16	Use is subject to acceptance by SP. DI Fittings preferred	Use is subject to acceptance by SP DI Fittings preferred	Use is subject to acceptance by SP DI Fittings preferred	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
437	FW-GRP (filament wound) pipe and Fittings - Water main	Flowtite / Iplex	Flowtite	DN300 - DN3000							
438		Global Pipe	Fiberstrong	DN300 - DN4000	Minimum SN10000, PN16	Use is subject to acceptance by SP. DI Fittings preferred	Use is subject to acceptance by SP DI Fittings preferred	Use is subject to acceptance by SP DI Fittings preferred	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
439		Superlit / Clover Pipelines	Superlit	DN300 - DN3000							
440	Stainless Steel Pipe	ASSDA accredited fabricators	N/A	DN20 - DN750	Min. Grade 316. Min. PN16. Flange to AS4087 Fig B5	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
441		MM Kembla	KemPress	DN15 to DN100	Min. Grade 316 Min. PN16	Use is subject to acceptance by SP		Use is subject to acceptance by SP	Use is subject to acceptance by SP		

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
Category: WATER SUPPLY FITTINGS - PRESSURE											
442	Lightweight DI bends, tees/branches & connectors	201 4.1 - Soc-Soc, Soc-FI & FI-FI 4.2 - PN16 fittings 4.3 - Restraint Joint Seals by SP approval 4.3 - SBR & EPDM	Viadux	Auslite	DN100 & DN150	Lightweight fittings. Thermal bonded polymeric coating.				Use of Restrained Joint Rubber Rings (Tyton-lok) subject to acceptance by SP	
443			Dobbie Dico	Dobbie	DN100 to DN150	All DI fittings to be wrapped	Use is subject to acceptance by SP	Use is subject to acceptance by SP			
444			Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150				Use is subject to acceptance by SP		
445			Clover Pipelines	Clover	DN100 to DN150						
446	DI bends, tapers, tees/branches, connectors, risers & caps/blank ends	201 4.1 - Soc-Soc, Sp-Sp, FI-FI, Soc-Sp, Soc-FI & Sp-FI 4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by SP approval 4.4 - SBR & EPDM	Viadux	Tyton Joint & Sureflow	Up to DN750	Thermal bonded polymeric coating. All DI fittings to be wrapped				Restraint joint seals not suitable for: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots; Other manufacturers sockets or other pipe materials. Use of Restrained Joint Rubber Rings (Tyton-lok) subject to acceptance by SP	
447			Crevet / Iplex	Crevet	Up to DN750						
448			Vinidex	Superlink							
449			Derwent Industries		Up to DN750						
450			Gillies		DN100 & DN150						
451			Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN80 to DN300						
452			Dobbie Dico	Dobbie	DN100 to DN250			Use is subject to acceptance by SP			
453			Mallet	Mallet	DN80 to DN750						
454			Clover Pipelines		DN100 to DN150			Use is subject to acceptance by SP			
455			Daemco	Daemco	DN80 - DN375				FI-Soc & FI-Sp Connectors accepted up to DN375		
456	DI mechanical couplings - Non End Thrust Restraint	270 4.1 - PN16 4.2 - All pipe materials except PE 4.3 - Long Series 4.4 - Straight Soc-Soc 4.5 - Stepped coupling require SP approval 4.6 - Flange end not used 4.7 - SBR & EPDM 4.8 - SS316 bolts, nuts and washers	Viadux	Gibault Ezigib & Vari-Gib		Long type only. All DI fittings to be wrapped. DI must have thermal bonded polymeric coating					
457			Crevet	Gibault & Universal Multigib	Up to DN750						
458			AVK	Gibault & Universal							
459			AVK Supa-Gib Couplings		Up to DN675						
460			Viking Johnson	MaxiFit, QuickFit							
461			Derwent Industries	Derwent	DN100 to DN250						
462			DEKS	DEKS FLEXI-GIB	DN80 to DN750						
463			Daemco	Reiniversal	Up to DN 600					Use is subject to acceptance by SP	
464			Clover Pipelines	Connect VPC	DN100 to DN600						CLOVER GIBAULT NOT ACCEPTED BY SP
465	DI mechanical couplings - End Thrust Restraint (Gripper Type)	274 4.1 - PN16 4.2 - CI, DI, PE, SCL, AC 4.3 - Long Series 4.4 - Straight and Stepped and Flange Adaptor 4.5 - All DN range options 4.6 - Flange adaptors to be drilled as per AS/NZS 4087 Figure B5 4.7 - SBR & EPDM & Nitrile 4.8 - Use of pipe stiffener inserts for PE pipe as per fitting manufacturer's requirements 4.9 - All DI fittings to be wrapped with CI and DI systems 4.10 - Flange adaptors up to DN355 PE shall be full bore connection i.e. DN63 PE / DN50 FL, DN125 PE / DN100 FL, DN180 PE / DN150 FL, DN250 PE / DN200 FL, DN315 PE / DN250 FL and DN355 PE / DN300 FL	Hawle / Hygrade Water	Synoflex PN16 Restraint	DN50-DN300	Synoflex is manufactured to EN14525:2005, not Australian standards. Therefore the fitting gripper socket DN may not suit the same pipe DN for some pipe materials and sizes (e.g. DN200 CIOD pipes). In this case a larger gripper socket DN may need to be used. Contractors need to check the suitable gripper socket DN for their pipes. Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.				The use of gripper type fittings on AC, DI and SCL pipe subject to acceptance by SP	
466			Georg Fischer	Multi/ joint 3000 Plus restraint		Georg Fischer 3000 Plus is manufactured to EN14525:2005, not Australian standards. Therefore the fitting gripper socket DN may not suit the same pipe DN for some pipe materials and sizes (e.g. DN200 CIOD pipes). In this case a larger gripper socket DN may need to be used. Contractors need to check the suitable gripper socket DN for their pipes. Requires pipe stiffener insert to be installed when connecting to PE or PVC pipe.					
467			Nova Siria/Hygrade Water	Multigrip	DN350-DN1400		Requires pipe stiffener insert to be installed when connecting to PN16 (SDR 11) PE100 pipe.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
468			Viking Johnson	UltraGrip	DN100 - DN300						Not approved for use in acid sulphate soils and saline coastal environments.
469			Hawle / Hygrade Water	System 2000	DN63-DN355		Does not require pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.				Use of Hawle System 2000 and AVK SupaPlus restraint Couplings is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations
470			AVK	Supa Plus Restraint			Requires pipe stiffener inserts to be installed				
471			Viking Johnson	Aquafast and Aquagrip Restraint	DN63 - DN315		Aquafast does not require pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe. Aquagrip Restraint coupling requires pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.			Use is subject to acceptance by SP	
472			Daemco	Xcel Restrained Coupling and Flange Adaptor	DN63 - DN315 for Coupling & DN63 - DN315 for Flange Adaptor		Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.				Use of Daemco Xcel Restrained Couplings is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations
473			Victaulic Piping Products	Victaulic Restrained Couplings Style 905	Up to DN225		Does not require pipe stiffener inserts to be installed for PN16 (SDR 11) PE100 pipe.		Use is subject to acceptance by SP		
474			DI flanged telescopic flexible fitting	No WSA PS 1 - Aligned to WSA PS-201 and WSA PS-270 with Flanges to AS 4087 Figure B5 2 - To comply with WSA PS-201S when published	Hawle / Hygrade Water	Vario	DN50 - DN200		SP USE ONLY		SP USE ONLY
475											

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
1 476	Small DN Ductile Iron Restraint Fittings at PE ODs	No WSA PS 1 - PN16 minimum	Saint-Gobain PAM	IZIFIT	DN75-DN160	For use directly with PE and BLUTOP pipe.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
477	Pretapped connectors	201 4.1 - Soc-Soc only 4.2 - Standard PN16 fittings 4.3 - Restraint Joint Seals by approval 4.4 - SBR & EPDM	Clover Pipelines	Clover	DN100 to DN150	Thermal bonded polymeric coating DN100 to DN150 with 4 x 20BSP tappings at 2 per side and DN200 to DN300 1 x 50BSP tapping	SP USE ONLY	SP USE ONLY	SP USE ONLY	SP USE ONLY	Use of pretapped connectors is under review
478			Viadux	Readytap	DN100 to 300						
479			Crevet / Iplex	Pretapped	DN100 & DN150						
480			Vinidex	Superlink	DN100 & DN150						
481			Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150						
482			Daemco	Daemco	Up to DN300						
483	Derwent	Derwent	DN100 - DN300								
484	316 SS repair clamps, flanged off-take clamps & BSP tapping clamps	313 4.1 - Type R, Type F or Type R and Type F by SP approval 4.2 - Pipe DN by SP approval 4.3 - Off-take DN by approval 4.4 - Min. PN16	Crevet	Wang	DN100 to DN300	Flanged off-take clamps approved are Type R for DI, AC and CI host pipes and Type F for PVC-m, PVC-u only, to pipe manufacturers specifications. Host pipe to be of suitable condition.	Type R and Type F repair clamps are available in sizes of DN80 (88-98), DN100 (121-130), DN150 (176-183), DN200 (231-238), DN225 (258-265), DN250 (285-290) and DN300 (344-353) – all other sizes are Type R only.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only repair clamps accepted	Type R accepted only In acid sulphate soils the clamp must be Denso wrapped.
485			Viadux	Wang	DN100 to DN300						
486			Cascade Control	Rapid Clamps	DN40 to DN350						
487			Daemco	Norma Connect	DN80 to DN300						
488			AVK	AVK Series 748	Up to DN300						
489			Derwent		Up to DN300						
490	Flange (DI) off-take clamps for DIOD pipes	313 4.1 - Type R, Type F or Type R and Type F by SP approval 4.2 - Pipe DN by SP approval 4.3 - Off-take DN by approval 4.4 - Min. PN16	Derwent	Uniclamp	DN100 & DN150	Flanged off-take clamps approved Type R for DI, AC and CI host pipes and Type F for PVC-m, PVC-u only, to pipe manufacturers specifications. Host pipe to be of suitable condition.	Type R and Type F accepted Accepted to be used where under pressure connection is approved by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only DN100 flange offtake accepted	
491	Repair Couplings	270 4.1 - PN16 4.2 - All pipe materials 4.3 - Short and Long Series 4.4 - Straight and Stepped 4.5 - All DN Range options 4.6 - Flange end not used 4.7 - EPDM, NBR, Neoprene 4.8 - SSS16 bolts, nuts and washers	Nova Siria/Hygrade Water	Duofit	DN 300 - DN2000		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
492			Hygrade Water Australia	cQuick Encapsulation Repair collar	DN 80 - DN200						
493	Flange DI off-take clamps	327 4.1 - Pipe DN63 and larger (see WSA PS 207) - Off-take ID 20 mm minimum 4.2 - PN16 4.3 - Female Rp thread to AS ISO 7.1 4.4 - Without electrical isolation	Hawle/Hygrade Water	Haku	DN110 to DN355	For use on PE pipe only, installed and commissioned in accordance with manufacturers recommendations	Accepted to be used where under pressure connection is approved by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
494			Derwent	Uniclamp	DN125 and DN180						

A	B	C	D	E	F	G	H	I	J	K																																																
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater																																																
1	<p>260 4.1 - PN16 4.2 - FI-FI, Soc-Soc, Sp-Sp, FI-Soc, FI-Sp and FI-gripper socket end configurations accepted 4.3 - Integral By-pass on DN450 and larger (Not accepted by Unitywater and Urban Utilities) 4.4 - Gear Box on DN600 and larger (Refer Mechanical List) 4.5 - Anti-Clockwise closing 4.6 - No requirement for spindle cap colour 4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap 4.9 - SBR & EPDM 4.10 - Stiffener inserts for PE pipe as per manufacturers requirements 4.11 - For Urban Utilities, RSGVs shall only be used on mains ≤ 300 NB</p>	AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 55	Up to DN400 Up to DN600 DN450 to DN600	<p>Anchor legs approved</p> <p>All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted</p> <p>All DI fittings to be wrapped</p>	<p>DN500 and DN600 with DN100 By-pass DN750 with DN150 By-pass</p>																																																				
495		Hawle / Hygrade Water	E2 E2 System 2000	DN50 - DN200 DN50 - DN300							<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p> <p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.</p>																																										
496		Viadux	Series 500 Auslite Auslite II Bayard Sureflow Auslite III	Up to DN600 DN80, 100 & 150 DN100 to DN300 DN50 - DN200 Up to DN 600													<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>																																				
497		Karon / Challenger	Karon Karon (FL-FL light weight design) Karon (FL-FL integral bypass valves)	DN80 - DN600 DN80 - DN300 DN450 - DN600																			<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>																														
498		AVFI		DN80 - DN600																									<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>																								
499		Betta	BETTA	DN80 - DN600																															<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>																		
500		AAP Industries	Maxiflo/appFLO	DN80 to DN300																																					<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>												
501		Derwent Industries	Derwent	DN80 - DN600																																											<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>						
502		DAEMCO		DN80 to DN300 for Soc-Sp DN80 to DN375 for FL																																																	<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>
503		Reece	DIMAX	DN80 - DN600 (FI-FI) DN100 - DN150 (Soc-Soc) DN100 - DN150 (Sp-Sp)																																																						
504				<p>Use of Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>	<p>Use of Karon / Challenger (FL-FL light weight design) and Karon / Challenger (FL-FL integral bypass valves) is subject to acceptance by SP</p>																																																	
505	Resilient Seated Gate Valves, thermal bonded polymeric coating.	AVK	Series 36/80							<p>All valves shall be restrained. All DI fittings to be wrapped.</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>																																											
506		Hawle	E2													<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>																																					
507		AVK	Series 01/71																			<p>All valves shall be restrained. All DI fittings to be wrapped.</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations</p>																															
508		Hawle	E2 System 2000																									<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations</p>																									
509		Betta	BETTA																															DN100 - DN250	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations</p>																			
510		Derwent Industries	Derwent																															DN100 - DN150						<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations</p>														
511		DAEMCO																																DN100 - DN150											<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use of gripper type RSGVs is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations</p>									
512		Reece	DIMAX																															DN80-300 (FL-FL)																<p>PN25</p> <p>Anchor legs approved</p> <p>All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted</p> <p>All DI fittings to be wrapped</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>				
513		Daepoong/ CNS Engineering	S- Gate Valve																															DN100 - DN250																					<p>Valve for Underpressure Line Stopping, suitable for rigid pipes with CIOD compatibility, i.e. Ductile Iron, Cast Iron and Asbestos Cement</p> <p>Valves that are unable to be restrained are not accepted.</p> <p>All DI fittings to be wrapped</p>	<p>SP USE ONLY</p>	<p>SP USE ONLY</p>	<p>Use is subject to acceptance by SP</p>
514	Metal seated gate valves, thermal bonded polymeric coating	AVK	Series 580	DN375 - DN600	<p>All DI fittings to be wrapped. All valves shall be restrained</p>	<p>Use is subject to acceptance by SP</p>	<p>NOT ACCEPTED BY SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>																									<p>Use is subject to acceptance by SP</p>																								
514										<p>Use is subject to acceptance by SP</p>	<p>NOT ACCEPTED BY SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>	<p>Use is subject to acceptance by SP</p>																																												

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
1										
515	DI fittings - tees and crosses with thermal bonded polymeric coating and built in resilient seated gate valves and vertical hydrant outlet	Hawle / Hygrade Water	Combi Valve	DN100, DN150 & DN200	Thermal bonded polymeric coating. All DI fittings to be wrapped	Use is subject to acceptance by SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP
516	Butterfly Valves 263 4.1 - PN16 4.2- Resilient seated wafer, lugged or double flanged	Iplex	AVK	DN50-600 for wafer/ lugged DN100-1000 double flanged	Body shall be ductile iron with fusion bonded polymeric coating external to 300 µm, internal to 350 µm (min.) or high-build two-pack epoxy to 500 µm (min.). Disc shall be stainless steel Grade 316. Shaft shall be stainless steel Grade 316, 410, 420, 430 or 431. Seat shall be EPDM, NBR or SBR. All fasteners shall be stainless steel Grade 316. Operation Type: Lever or Gearbox. Gearbox ratio as per manufacturer's requirement and coating – high build two-pack Epoxy 275 µm (min.)	DN100 to DN300 Property Service valves are wafer type for in-ground installations and are anti-clockwise closing operated. DN100 to DN300 Property Service valves are lugged type for above ground installations and are anti-clockwise closing operated. DN375 and larger valves are all double flanged type and are anti-clockwise closing gearbox operated Challenger valves are accepted for DN100 to DN300 only	Use is subject to acceptance by SP Direction of closing: Anti-clockwise	Use is subject to acceptance by SP Direction of closing: Anti-clockwise	Use is subject to acceptance by SP Direction of closing: Clockwise Wafer or Lugged valves not accepted without prior approval	Use is subject to acceptance by SP
517		Emerson / Viadux	Keystone							
518		Ebro	Ebro							
519		AVFI	AVFI							
520		Valveco	Valveco							
521		Challenger	Challenger							
522		Hydroflow Distributors	Watts							
523	Hydrants 267 4.1 - DN100 Flanges	AVK	Series 30/00 non-swab and 30/10 for swab	DN80	Removable Top Cap & Internal Assembly. Thermal bonded polymeric coating. Purple body and lug for recycled water.	DN100 Flange to A.S.4087 Fig B5 Purple Body and Lug for A+ Recycled water Swabbing type at main ends refer SEQ-WAT-1302-1	DN100 Flange to A.S.4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-1302-1	DN100 Flange to A.S.4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-1302-1	Swab type only accepted. DN100 flanged to AS 4087 Fig B5.	Swab type only accepted. All new hydrants are to be 100 mm with 100 mm flanges, 100 mm risers and spring heads
524		Viadux	Sureflow							
525		Civil Pipe Supplies	BETTA normal & Swab							
526		AAP Industries	MAXIFLO/appFLO							
527		Derwent Industries	Derwent standard and Swab							
528		Dobbie Dico								
529		Weflo Valve / Reece	DIMAX							
530	Ant Barrier devices for Hydrants No WSA PS Compliance with AS/NZS 4020	Hydrant Protection	Hydraguard						Use is as directed by SP	Use is subject to acceptance by SP
531			Retroguard							
532	Debris and Ant Barrier Device No WSA PS	Hydrant Services	Ant and Debris Barrier						Use is as directed by SP	Use is subject to acceptance by SP
533	Hydrant and Air Valve Isolating Valves 282 4.1 - Flange inlet DN100 4.2 - Outlet DN100 4.3 - Outlet type to be hydrant or air valve	AVK		DN80 - DN100	Thermal bonded polymeric coating Min. PN16	SP USE ONLY	DN100 Flange to AS4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-1302-1	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Mandatory for Hydrants on Trunk Water mains >DN300 Isolator Valve for Hydrant - Min. DN100 Clockwise Opening Direction
534		Viadux								
535		Betta / Clover Pipelines	Betta							
536		Crevet								
537	Valve box & cover C.I. or D.I. No WSA PS 1 - Refer details on SEQ Code Standard Drawings SEQ-WAT-1305-1 and SEQ-WAT-1306-1	NIBF / Iplex		As per drawing SEQ-WAT-1305-1 Type B	Class D cover Bitumen coated to AS 3750.4	Water Service ferrule Boxes for footpath are Viadux MFNSW-PTHBX or approved equivalent and for roadway are Viadux MVGQ or approved equivalent as per Item 41 of 11-133 and as shown on 11-134 of CoGC metering standard drawings. Lids colour e.g. white are preferred to be painted in factory		Use is subject to acceptance by SP	Only Class D accepted	
538		Gatic / Iplex								
539		Civilmart								
540		Viadux								
541		Hygrade Water	Hygrade Water							
542		Daemco								
543	Civil Pipes	Civil Pipes								
544	Hydrant box & cover C.I. or D.I. No WSA PS 1 - Refer details on SEQ Code Standard Drawings SEQ-WAT-1305-1 and SEQ-WAT-1306-1	Gatic/Iplex		As per drawing SEQ-WAT-1305-1 Type B	Class D cover Bitumen coated to AS 3750.4	Lids colour yellow are preferred to be painted in factory		Use is subject to acceptance by SP	Only Class D accepted	
545		NIBF / Iplex								
546		Civilmart								
547		Viadux								
548		Hygrade Water	Hygrade Water							
549		Daemco								
550	Civil Pipes	Civil Pipes								
551	Valve & hydrant boxes (recycled plastics) & DI Covers No WSA PS 1 - Refer details on SEQ Code Standard Drawing SEQ-WAT-1305-1	Replas / Viadux			Non-trafficable location only. H - Hydrants V - Valves AV - Air valve	Boxes and lids to be Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2309-1 Lid colours (e.g. white for valves and yellow for hydrants) are preferred to be painted in factory	Coloured to SEQ-WAT-1300-1	Coloured to SEQ-WAT-1300-1	Coloured to SEQ-WAT-1300-1, SEQ-NDW-2122-1 and SEQ-NDW-2125-2	Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2209-1
552		Replas / Crevet								
553		Replas / Vinidex								
554		Replas / Civil Pipes								
555	Valve & hydrant boxes (composite) & DI Covers No WSA PS 1 - Refer details on SEQ Code Standard Drawing SEQ-WAT-1305-1	Viadux / Daemco	Viadux		Non-trafficable location only. H - Hydrants V - Valves AV - Air valve	Boxes and lids to be Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2309-1 Lid colours (e.g. white for valves and yellow for hydrants) are preferred to be painted in factory	Coloured to SEQ-WAT-1300-1	Use is subject to acceptance by SP	Coloured to SEQ-WAT-1300-1, SEQ-NDW-2122-1 and SEQ-NDW-2125-2	NOT ACCEPTED BY SP
556		Daemco	Daemco							

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
557	262 4.1 - DN100 to DN525/600 4.2 - Length by Design 4.3 - Valve extension spindles shall be coated with a polymeric coating to AS 4158 with 350 µm DFT (minimum), or Valve extension spindles shall be hot-dip galvanized in accordance with AS 4680, or Valve extension spindles shall be injection moulded high strength, high stiffness glass fibre reinforced thermoplastic in accordance with the relevant sections of AS/NZS 2638.2:2011. 4.4 - Spindle support with bearing at 1 per installation minimum and at 1.8 m max spacings for pit installation	Viadux									
558		NIBF / Iplex									
559		Forge Bros / Vinidex									
560		Challenger				AS2638 Compliant	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
561		Daemco									
562		ANT Infrastructure Technologies	ANT	Up to DN300			Use is subject to acceptance by SP	Use is subject to acceptance by SP		Use is subject to acceptance by SP	
563	204 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Bends, tees, reducers and other types by design to SP approval 4.4 - As per SP requirement 4.5 - Fusion bonded polyethylene coating minimum 4.6 - Joint requirements by design 4.7 - Cathodic Protection by design 4.8 - Fusion bonded polyethylene lining 4.9 - Zinc metal spray as per the specification 4.10 - SBR & EPDM 4.11 - Fusion bonded polyethylene coating minimum	Steel Mains	Sintakote	OD114 - 2500			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
564		Pipe Lining and Coating	Fusionkote	OD168 - 3624							
565	Stainless Steel Fittings	No WSA PS 1 - WaterMark acceptance.	MM Kembla	KemPress	DN15 to DN100	Min. Grade 316 Min. PN16	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
566	Flanges MS	204 - Flanges 4.1 - PN16 minimum 4.2 - DN by Design subject to SP approval 4.3 - Flanged 4.4 - Seal coating for DN450 and larger 4.5 - Sintakote minimum for above ground 4.6 - Flanged at PN16 minimum 4.7 - Cathodic Protection by design 4.8 - Sintapipe lining option 4.9 - Zinc metal spray as per the specification 4.10 - SBR & EPDM 4.11 - Fusion bonded polyethylene coating minimum	Steel Mains			Class 16. Thermal bonded polymeric coating					
567		NIBF / Iplex									
568	Flange gaskets and 'O' rings	312 4.1 - PN16 min or as per Design 4.2 - Gasket as Standard with O-ring required for steel flanges 4.3 - Types WA, WC and WG subject to fluid needs 4.4 - DN as per design 4.5 - Material as per Standards 4.6 - Hardness as per range in Table 2 of WSA 109-2011 4.7 - Thickness of 3.0 mm at PN16 and 1.5 mm at PN35	All WSA PS-312 compliant products are accepted								
569	Bolts	No WSA PS 1 - Refer details on SEQ-WAT-1313-1				316 Stainless steel bolts					
570	PE mechanical compression fittings for reduced size water mains	George Fischer									
571		Philmac / Philmac & Vinidex							Use is subject to acceptance by SP		
572		Plasson									
573		Talbot									
574		208 DN63 2.(a) AS/NZS4129 or EN 1254 acceptable Certification 4.1 - PN16 minimum 4.2 - Mechanical Polyethylene, Polypropylene or Copper Alloy both with approved Plastic grippers/olives/thimbles 4.3.1 - Transition - PE to Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 4.3.2 - Coupling - PE to PE 4.4 - Flange not used 4.5 - SBR & EPDM	Alprene								
575		Iplex				DN63	Metal male fittings connecting to plastic female fittings is not accepted	Use is subject to acceptance by SP		Use is subject to acceptance by SP	
576		Viadux						Use is subject to acceptance by SP			
577		Hydroflow / SAB S.p.A	SAB Black Nut Bluseal						Use is subject to acceptance by SP		
578		Viega	Geopress K								
579	Zetco TOF					Only fittings with a Copper Alloy body and a Copper Alloy compression nut are approved for use	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
580	208 DN63 and larger 2.(a) AS/NZS4129 or EN 1555 or EN 12201 or EN 13244 is acceptable. 4.1 - PN16 minimum 4.2 - Electrofusion and butt weld 4.3 - Couplings, tees, bends, elbows/adjustable elbows, end caps, stub flanges, saddles, reducers 4.4 - AS 4087 compatibility for mating flange 4.5 - SBR & EPDM	Plasson		Up to DN710							
581		Georg Fischer	ELGEF Plus Draw - Lock				Accepted where PE pipes are approved to be used				
582		Friatec / Vinidex	Frialen		Up to DN630						
583		Agro	Agro		Up to DN630						
584		Fusion Group / FusionPlast	Fusamatic		Up to DN630		Long spigot fittings only accepted. Accepted where PE pipes are approved to be used	Accepted where PE pipes are approved to be used for DN63. The use of larger diameters is subject to acceptance by SP	Accepted for DN63 and DN110	Flanged tees and flanged saddles are not accepted by SP	Flanged tees and flanged saddles are not accepted by SP
585		NUPIGECO	Elofit		DN20 to DN710		Use is subject to acceptance by SP				
586		Hydroflow / Plastitalia S.p.A	PLAST		Up to DN630	Electrofusion fittings to be long type. Stub flanges only to be used for sizes DN450 and larger	Accepted where PE pipes are approved to be used				
587		Mako	Mako		Up to DN630					Only butt welded spigot fittings accepted	Only butt welded spigot fittings accepted
588		Simona / Plasson	Simona		Up to DN500					Seamless sweep bends not accepted	Seamless sweep bends not accepted
589		David Moss Corporation	DAMOS		Up to DN1000			Use is subject to acceptance by SP			
590		Fusion QLD	Flo Right		Up to DN450				Use is subject to acceptance by SP		Use is subject to acceptance by SP
591		Guangdon Liansu / Crew Pipelines	Lesso		DN63 - DN800		Spigot fittings only accepted. Accepted where PE pipes are approved to be used.	Accepted where PE pipes are approved to be used for DN63. The use of larger diameters is subject to acceptance by SP		Only butt welded spigot fittings accepted	NOT ACCEPTED BY SP

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
592	PE fittings - Moulded - High Stress Crack Resistant (HSCR) Polyethylene (for mains and large service pipes)	Agru	Agruline	Up to DN630	Comply with AS4129, PN16, Electrofusion fittings to be long type. Stub flanges only to be used sizes DN450 and larger.	Accepted where PE pipes are approved to be used Sizes of DN630 and above which are machined fittings are subject to acceptance by SP	Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Accepted up to DN355	
593	PE fittings - Fabricated	Adroit	Adroit		Butt Welded Fittings Stub flange may only to be used for DN450 and larger sizes.	Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
594		Pipestar	Pipestar	Up to DN355		Use is subject to acceptance by SP		Use is subject to acceptance by SP	Only sweep bends accepted.	Use is subject to acceptance by SP
595	Copper compression fittings	Viega	Propress	DN15-DN100		Use is subject to acceptance by SP		Use is subject to acceptance by SP	Only accepted when connecting a new copper pipe to an existing copper water service	Use is subject to acceptance by SP
596		MM Kembla	KemPress				Accepted up to DN 25		Use is subject to acceptance by SP	
597	Full face PE flanges (for reticulation sizes)	Simona / Plasson	Simona		Metal insert in the flange, backing rings not required	Accepted where PE pipes are approved to be used	Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP
598		Plasson		DN80 / DN100	DN90 riser with slotted flanges suit both DN80 & DN100 flanged hydrants					Use of stub flanges is subject to acceptance by SP
599		Iplex		Up to DN355	Full face full bore connections					Use is subject to acceptance by SP
600		Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					Use is subject to acceptance by SP
601		Fusion Group / FusionPlast	Fusamatic	DN90 to DN 450						Accepted where PE pipes are approved to be used Only DN125 – DN355 accepted
602		David Moss Corporation	DAMOS	Up to DN355						Use is subject to acceptance by SP
603		Rodney / Vinidex	Maxi Stub	Up to DN450	Full face full bore connections	Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use of stub flanges is subject to acceptance by SP	Use of stub flanges is subject to acceptance by SP
604	PE scour Tees	Vinidex / Rodney			Comply with AS4129	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		
605		Kingston Bridge / Iplex								
606	Air valves	ARI Flow control				Min PN16 Plastic body only permitted for DN20 and DN25 Double Orifice as required, Thermal bonded polymeric coating	DN40 and DN50 BSP threaded to have Brass base	DN40 and DN50 BSP threaded to have Brass base.	Use is subject to acceptance by SP	
607		Bermad		DN20-DN200						
608		Vent-O-Mat								
609		AVFI	DAV-MH							
610		ISCO	Vent Master PX							
611	Non-return valves - Swing check with counterweight lever arm	HMA Valveco	Valmatic Swing-flex	DN50 - DN600		Thermal bonded polymeric coating	Accepted to be used for large meter assemblies where a non-return valve is required as per council's meter standard drawings.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP
612		Dobbie Dico	Dobbie Dico	DN80-DN900						
613		AVK	AVK Swing Check Valve 41/25	DN50						
614		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
615		Challenger Valves	Challenger - RSSC	DN80-DN375						
616		AVFI Pty Ltd	AVFI - RSSC	DN50-DN300						
617	Non-return valves - free acting (without counterweight) Swing Check	HMA Valveco	Valmatic Swing-flex	DN50 - DN600		Min. PN16. Thermal bonded polymeric coating	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
618		Dobbie Dico	Dobbie Dico	DN80-DN900						
619		AVK	AVK Swing Check Valve 41/25	DN50						
620		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
621		Challenger Valves	Challenger - RSSC	DN80-DN375						
622		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300						
623	Pressure reducing valves	Bermad Water Technologies	Bermad	DN40 - DN900		Min PN16. Thermal bonded polymeric coating	Dorot 300 Series for Pressure Reducing Valve and for associated Pressure Relief Valve (Dump Valve) Dorot 200 Series or Bermad IR-43Q Valve	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP (In PRV installations where upstream pressures can be within 50 kPa of the required downstream pressure, Plasson C valves are preferred).
624		Singer / HMA Valveco	Singer							
625		Plasson Australia Pty Ltd	Plasson C-Valve							
626		Dorot Australia Pty Ltd	Dorot 300 Series							
627		Cla-Val Pacific / Challenger	Cla-Val	DN25-DN1200						

	A	B	C	D	E	F	G	H	I	J	K	
	Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
628	Pressure sustaining valves and altitude valves	268 See Appendix B of AS5081:2008	Bermad Water Technologies	Bermad	DN 40 - DN900	Min PN16. Thermal bonded polymeric coating	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
629			Singer / HMA Valveco	Singer								
630			Dorot Australia Pty Ltd	Dorot 300 Series	DN25-DN1200 (Sustaining)							
631			Cla-Val Pacific / Challenger	Cla-Val	DN-80-DN1200 (Altitude)							
632	PE Flex Restraint Fitting (used as puddle flange)	No WSA PS 1 - PN16 minimum	Georg Fischer	EF Flex Restraint	DN 180 – DN1600	PE100 In accordance with manufacturer's requirements	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP			
633			Plasson	Flex Restraint	DN180 – DN1600							
634	Mechanical Restraining Flange for PE Pipe	No WSA PS 1 - PN16 Minimum 2 - SS316 bolts, nuts and washers	Derwent Industries		DN125 and DN180		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		Use is subject to acceptance by SP	
636	Dismantling joints for Flange Pipe and Fittings	284 4.1 - No alternative material grades 4.2 - As per manufacturer's requirements 4.3 - Configuration: FI-FI for DJ & FI/Sp for UniFlange 4.4 - Fitting type: thrust type and non-thrust type 4.5 - Thrust Restraint by Fitting 4.6 - SBR & EPDM	Viadux			Thrust restraint type and non-thrust type are Flanged to AS4087 PN16. SS316 bolts, nuts and washers. Larger sizes of UniFlange shall be assessed for available Fitting PN vs Pipeline Test Head.	Dismantling joints shall be restrained type only and for Mains only. Uni-flanges shall be for meter assemblies only					Uni-flange to be used within pit or aboveground locations only
637			Viking Johnson				Dismantling joints shall be restrained type only and for Meter Assemblies only. Use of uni-flange is subject to acceptance of SP.					
638			Valveco	Uni-Flange Adaptor	DN50-DN500		Uni-flanges shall be for meter assemblies only	Use is subject to acceptance by SP				
639			Hygrade Water	Pipemate	DN80-DN900		For Meter Assemblies only, restrained type only		Use is subject to acceptance by SP			
640			AVFI	AFD10 Series	DN80-DN1200		For Mains only, restrained type only	For Mains only, restrained type only				
641			AVFI	AFD20 Series	DN80-DN1200		For Meter Assemblies only, restrained type only	For Meter Assemblies only, restrained type only				
642	Flowmeter - Network Meter	No WSAA PS 4.1 - Flange to AS4087 Figure 5 4.2 - PN16	ABB	ABB			Use is subject to acceptance by SP			NOT ACCEPTED BY SP	ABB Water master	
643			Siemens	Siemens				Use is subject to acceptance by SP		NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
644			E & H	E & H						E & H Promag W400	NOT ACCEPTED BY SP	
644			Emerson	Emerson				Use is subject to acceptance by SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
Category: WATER SERVICES											
645											
646	Tapping bands for DI & PVC pipes	Viadux			Gunmetal - Positive stops						
647		Gatic / Milne									
648		RMC							SP USE ONLY	RMC tapping band also accepted on AC pipe	SP USE ONLY
649		4N Products & Stockbrands	4N	DN100, 150, 200	Positive stops, coloured blue	NOT ACCEPTED BY SP					
650	Tapping bands for PE - mechanical	Gatic / Milne		DN63-DN315	Gunmetal - Positive stops Only for where E-F saddles are not practicable					NOT ACCEPTED BY SP	
651		4N Products & Stockbrands	4N	DN63, 90, 125 & 180	Positive stops, coloured black Only for where E-F saddles are not practicable WSAA Appraisal PA10/19	NOT ACCEPTED BY SP					
652		Hawle / Hygrade Water	Haku	DN63 - DN315	Ductile iron lower half				SP USE ONLY		
653		Hawle / Hygrade Water	Haku	DN280 - DN500	Stainless steel strap lower half. For min PN16 (SDR11) pipes	Accepted where PE pipes are approved to be used		Use is subject to acceptance by SP		NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
654		Derwent	Uniclamp	DN125 and DN180	Only for where E-F saddles are not practical						
655	Under pressure Tapping Valve for PE - mechanical	Viega	Geopress K	DN 63 - DN180	Only for where E-F saddles are not practical	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP			
656	Tapping saddle for PE - electrofusion	Plasson									
657		George Fischer		DN63, 90, 125 & 180		Accepted where PE pipes are approved to be used.					
658		Friatec / Vinidex	Frialen			Comply with AS4129 PN16		SP USE ONLY	Accepted for DN63 and DN110		
659		Fusion Group / FusionPlast	Fusamatic	Up to DN355			Use is subject to acceptance by SP			Flanged saddles are not accepted by SP	Flanged saddles are not accepted by SP
660		Hydroflow	Plastitalia	Up to DN315		Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
661	Tapping saddle for PE - Electrofusion - High Stress Crack Resistant (HSCR)	Agru	Agruline	Up to DN250		Comply with AS4129 PN16	Accepted where PE pipes are approved to be used	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
662	Ferrules - TPFNR Bonnet Ferrule Cocks	Gatic / Milne									
663		Elster			Dezincification resistant material and comply with AS/NZS 3688				SP USE ONLY		
664		RMC									
665	Ball valves - Water Service	All Valve	Airaga				Both M/F thread and PE compression joints are accepted	Accepted for DN20 and DN25 at meter end of services	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
666		Eilson	Eilson				Use is subject to acceptance by SP			Use is subject to acceptance by SP	
667		Gatic / Milne									
668		Elster					M/F thread joints only accepted	Accepted for DN20 and DN25 at meter end of services			Ball valves must be capable of being locked by the customer with their own padlock.
669		RMC			DN20 & DN25	Dezincification resistant material and comply with AS/NZS 3688			Accepted for DN20 & DN25		
670		Zetco TOF					Both M/F thread and PE compression joints are accepted	Use is subject to acceptance by SP			
671		Strongcast	Strongcast				M/F thread joints only accepted	Accepted for DN20 and DN25 at meter end of services			
672	Austworld	LOGI VALVE									
673	Galvin Engineering	Galvin Engineering				Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		Not accepted for water services which must be lockable. Accepted in other situations.	
674	Union stopcock	Gatic / Milne									
675		Elster			25 mm Dezincification resistant material and comply with AS/NZS 3688	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP			
676		RMC									
677	Slip Coupling	Elster		DN20 and DN25	Dezincification resistant material and comply with AS/NZS 3688.	DN25 only is accepted					
678		RMC			Shall have a locking nut and a metallic stopper to prevent moving apart or kinking between the moving parts	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	
679		Austworld					Both configurations of individual and combined with ball valves are accepted				
680	Transition couplers	Plasson									
681		Georg Fischer			PE electro-fusion to BSP connections					Push fitting not accepted by SP	
682		Friatec / Vinidex				Metal male fittings connecting to plastic female fittings is not accepted		Use is subject to acceptance by SP	Use is subject to acceptance by SP		
683		Viega	Geopress K	Up to DN63			Use is subject to acceptance by SP				

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
684	PE mechanical compression fittings for Small Diameter Water Service pipes 208 or 247 DN25 to DN63 2.(a) - AS/NZS4129, EN1254 or equivalent acceptable Certification 4.1 - PN16 minimum 4.2 - Mechanical Polyethylene, Polypropylene or Copper Alloy both with approved Plastic grippers/olives/thimbles 4.3.1 - Transition - PE to Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 4.3.2 - Coupling - PE to PE 4.4 - Flange not used 4.5 - SBR & EPDM	George Fischer				Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Talbot fittings not accepted. Push type fittings only accepted with the approval of Unitywater.
685		Philmac / Philmac & Vinidex		DN25 to DN63						
686		Plasson								
687		Elster	TITA	DN25						
688		Zetco TOF		DN25-DN63						
689		Talbot								
690		Alprene			PE to PE or PE to BSP.					
691		Iplex			Push fit type is not accepted.					
692		Viadux								
693		NUPIGECO	Eiopress		Metal male fittings connecting to plastic female fittings is not accepted.					
694	Austworld	LOGI CIVIL	DN25 & DN 32		Use is subject to acceptance by SP	Use is subject to acceptance by SP	PE pipe stand use is subject to acceptance by SP	PE pipe stands not accepted by SP		
695	Hydroflow / SAB S.p.A	SAB Black Nut Blue Seal	DN25 to DN63			Use is subject to acceptance by SP				
696	Viega	Geopress K	DN25 - DN63					Use is subject to acceptance by SP		
697	Strongcast	Strongcast	DN25 & DN32			Only fittings with a copper alloy body and a copper alloy compression nut are accepted for use				Use is subject to acceptance by SP
698	Meters - 20 mm (direct and sub-metering applications)	No WSA PS 1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer 4 - Std Tail Nut with gasket 5 - Colour and Check Valve requirements as per SEQ-SP requirements	Elster	V100 (PSM-T) (WM202PD)		Purple body for non-drinking water Accuracy Class 2	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
700		Elster	V200			Horizontal and Vertical orientation				
701		Itron	TD8			Horizontal orientation only.		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
702		RMC	WM273MRP multijet		Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters.	NOT ACCEPTED BY SP			
703		RMC	WM281MRP multijet							
704	Meters - 25 mm (direct and sub-metering applications)	No WSA PS 1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer 4 - Std Tail Nut with gasket 5 - Colour and Check Valve requirements as per SEQ-SP requirements	Elster	V100 (PSM-T) (WM252PD)		Purple body for non-drinking water Accuracy Class 2	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
705		Elster	V200			Horizontal and Vertical orientation				
706		Itron	TD8			Horizontal orientation only.		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
707		RMC	WM271MRP multijet		Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters.				
708	Meters - 32 mm (direct and sub-metering applications)	No WSA PS 1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer 4 - Std Thread for attachment of a AS3565.1 Clause 2.6 (DR) Copper Alloy Oval Flange with two Bolts 5 - Colour and Check Valve requirements as per SEQ-SP requirements	Elster	V100 (PSM-T)		Purple body for non-drinking water Accuracy Class 2	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
709		Elster	V200			NOT ACCEPTED BY SP		Use is subject to acceptance by SP		Testable backflow prevention device required
710		Itron	TD8							
711		RMC	MRP						NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
712	Meters - 40 mm (direct and sub-metering applications)	No WSA PS 1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer 4 - Std Thread for attachment of a AS3565.1 Clause 2.6 (DR) Copper Alloy Oval Flange with two Bolts 5 - Colour and Check Valve requirements as per SEQ-SP requirements	Elster	V100 (PSM-T)		Purple body for non-drinking water Accuracy Class 2	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
713		Elster	V200			Horizontal orientation only		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Testable backflow prevention device required
714		Itron	Flostar M							Testable backflow prevention device required
715		RMC	WM400 / V100 (PSM-T)							Use is subject to acceptance by SP
716	Meters - 50 mm and larger (direct and sub-metering applications)	No WSA PS 1 - AS 3565.1 Certified 2 - Std Integral Round Flange as per AS3565.1 Clause 2.5 to AS4087 Figure B5 with four Bolts 3 - Colour and Check Valve requirements as per SEQ-SP requirements	Elster	H4000 Woltmann		Purple body for non-drinking water Accuracy Class 2	Horizontal and Vertical orientation Use is subject to acceptance by SP	Shall be capable of providing pulse output Use is subject to acceptance by SP		NOT ACCEPTED BY SP
717		Elster	H5000			Horizontal orientation only		Shall be capable of providing pulse output		
718		Arad / RMC	Woltman Silver Turbo			Up to DN150		Use is subject to acceptance by SP	Above ground installation with external top accessible (basket type) inline strainers	
719		Itron	Flostar M		Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy				NOT ACCEPTED BY SP	
720		Itron	Woltex					Use is subject to acceptance by SP	Only accept Meistream Plus meter installed above ground with external top accessible (basket type) inline strainers	
721		Sensus	Meistream							
722	Inline Strainer	No WSA PS	Elster	Kent H4010 Strainer	Up to DN150	PN16		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
723		RMC			Up to DN150	FI-FI				
724		Hydromet			Up to DN200	Top entry basket Type		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only Flat-top accepted
725		Virginia Metals			Up to DN200					
726	Y Strainer	No WSA PS	Emerson	VALVCHEQ	DN65 - DN300	PN16		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
727		AVFI	AS105F Cast Iron Y Strainer	DN50 - DN300		Fusion bonded epoxy coated ductile iron				Use is subject to acceptance by SP Ductile Iron is preferred
728	Flowmeters	No WSA PS 1 - Flange to AS4087 Figure 5 2 - PN16	Arad Ultrasonica / RMC	Octave		Purple body for non-drinking water. Accuracy Class 1 or Class 2.	Accepted are: 1: Arad Octave Ultrasonic, Accuracy Class 2 R=500, either DI or SS body, Horizontal and Vertical orientation. 2: Siemens Sitrans FM Mag 8000, Accuracy Class 2 R=400, DN100 & DN150 - Horizontal and Vertical orientation, DN200 and larger - Horizontal orientation only.	Use is subject to acceptance by SP	Approved for fire system metering only. Only Stainless Steel bodied meters accepted.	Use is subject to acceptance by SP
729		Siemens Eletromagnetic	Siemens Mag 8000 Advanced							Use is subject to acceptance by SP
730		Siemens Ultrasonic	Siemens						NOT ACCEPTED BY SP	Use is subject to acceptance by SP
731		E & H Electromagnetic	E & H Promag W400							NOT ACCEPTED BY SP
732		E & H Ultrasonic	E & H						Use is subject to acceptance by SP	
733		Emerson	Emerson						Use is subject to acceptance by SP	NOT ACCEPTED BY SP
734	ABB	WaterMaster AquaMaster							NOT ACCEPTED BY SP	

A	B	C	D	E	F	G	H	I	J	K						
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater						
735	Automatic Meter Reading (AMR) Systems (sub-metering applications)	Enware	Enware	368L * 271W * 316D (for 20 mm meters only)	Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Hard-wired systems only. Only Elster Reed Switches to be used. One DER (digital electronic read outs) panel per building. Min 12 months combined products & Installation warranty	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Only Reed switches from the meter manufacturer and repeaters supplied from the AMR supplier are accepted						
736		Epitomy	Epitomy													
737		Utility Technology	Utility Technology													
738		Halytech	Spider													
739		Ausmeter	Ausmeter													
740		Itron	Everblu													
741	SUMS	Vivid Multi Logger														
742	Meter boxes – Class A	Everhard Industries		492L * 271W * 316D	Blue, Black or Green meter box lids	Blue Lid not permitted. DN40 long boxes for all new and/or retrofitting are the Viscount (Linpac) P7 pit collars with a "METER BOX" permanent label on an aluminium lid or approved equivalent; DN40 short boxes for retrofitting only are the Dura 15"x21"x12" valve box with a "METER BOX" permanent label on lid or approved equivalent	Blue Lid not permitted (SP use only)	Blue Lid not permitted	NOT ACCEPTED BY SP	Solid purple lid with non-drinking water symbol and lettering for non-drinking water meters. Black or blue lid for drinking water meters. Green lid not permitted.						
743		Everhard Industries		440L * 275W * 280D												
744		Draper		427L * 267W * 316D												
745		Strongcast		445L * 288W * 320D												
746		All Valve Industries	AVMB													
747	Meter boxes – Class C	Strongcast	SCCOLMED/SCLIDMED	413L * 253W * 316 D		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP						
748	Single check detector check valves	Emerson	VALVCHEQ	DN100 & DN150	Model SC03. Flanged connection & spring set to 50 kPa	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Fitted with top accessible (basket type) inline strainer							
749	Double check valve (DCV), Double check detector assembly (DCDA)	Emerson	VALVCHEQ	DN40, 50, 100 & 150		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP						
750		Bermad	Cla-Val													
751		Hydroflow Distributors	Watts													
752	Pre-assembled dual meter boxes	Elster		DN20	Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Install approved pre-assembled boxes as per SP requirements	NOT ACCEPTED BY SP	Use is subject to acceptance by SP						
753		RMC	KIT235 WMKIT235													
754	Pre-assembled single meter boxes	Strongcast	SCMBA20	DN20	Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy. All components shall be approved fittings. No slip couplings.	Accepted assemblies are: GCSCMB-2PE/TD8 – with meter, brass PE ends, standard supply. SCMB-2PE – without meter, brass PE ends, standard supply. GCSCMB-2BSP/TD8 – with meter, thread ends, supply on request only. SCMB-2BSP – without meter, thread ends, supply on request only	Install approved pre-assembled boxes as per SEQ-WAT-1110 set	Install approved pre-assembled boxes as per SP requirements	V200 meter only. No slip coupling	Use is subject to acceptance by SP						
755		Elster														
756		RMC	KIT236 WMKIT236													
757		All Valve Industries	AVMB-2BSP/TD8 AVMB-2PE/TD8													
758	Sub-meter assemblies - wall mount brackets	Elster	46492-00	DN25	Drinking or Non-drinking	Accepted with the use of approved slip couplings	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Only accepted with no slip coupling	Slip Coupling not accepted						
759		Austworld	SMK06													
760			SMK07 with Telescopic slip coupling													
761		Elster	46491-00	DN20							Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Install approved sub-meter assemblies as per SP requirements	Only accepted with no slip coupling	Slip Coupling not accepted
762		All Valve	SMA20M													
763		Strongcast	SCMLIM20													
764		Austworld	SMK05													
765			SMK with Telescopic slip coupling													
766		RMC	KIT227													
767	RMC	KIT227Q														

	A	B	C	D	E	F	G	H	I	J	K
1	Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
768	Dual Check valves for Meter assemblies DN40 and Larger	No WSA PS 1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5 4 - Ductile Iron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable	Emerson	VALVCHEQ		Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Alternatively figure DC03 double check valves are acceptable	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
769			Hydroflow Distributors	Watts			Use is subject to acceptance by SP				Use is subject to acceptance by SP
770	Reduced pressure zone device (RPZD)		LWG Zurn	Model 375							
771			RMC							Any brand with ISO Type 5 product certification to AS2845 is accepted	UW prefers RP03 RPZ
772	Reduced pressure detector assembly (RPDA)	No WSA PS 1 - Certified to AS/NZS 2845	Emerson / ValvCheQ	RP03							Use is subject to acceptance by SP
773			Hydroflow Distributors	Watts			Use is subject to acceptance by SP		Use is subject to acceptance by SP		Use is subject to acceptance by SP
774		No WSA PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688. 2 - PN 16 3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 4 - Watermark acceptance 5 - Set point 50 m	RMC								
775	Pressure Limiting Valve for Water Services		NEFA		DN15 – DN50	Stainless Steel seat. Not buried.	Not used - Private Plumbing facility	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Not used - Private Plumbing facility	
776			Hydroflow Distributors	Watts							Use is subject to acceptance by SP

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
Category: WATER SUPPLY MISCELLANEOUS ITEMS										
777										
778		Boddingtons								
779		Tapex								
780	Detectable marker tape	LWG Zum								
781		Rain Harvesting	421			Use is subject to acceptance by SP				
782		Wenac					Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
783	Tracer wire	Tapex	Copperhead	500, 1000 and 2500 (feet)	Approved are SoloShot EHS and SoloShot Xtreme for HDD and Pipe bursting etc. Connectors to be used are: • Pipe burst connector, • DryConn 3-way direct bury lug connector • DryConn direct bury twist on connector Use of test station and/or grounding anode is accepted					
784	Loose PE sleeving to DI pipe	Viadux	BLUEBOSS blue		Mandatory sleeving to all DI pipe unless DI pipe manufacturer supplier can guarantee it is not needed following comprehensive soil testing and risk assessment. Colours are Blue for Drinking Water and Purple for Non Drinking Water to POP203					
785		Crevet								
786		Iplex								
787	PVC - M conduits	Vinidex	Hydro S1		Minimum PN12 Series 1	CoGC also accepts uPVC series 1 PN12 as per SEQ-WAT-1106-1	LCC also accepts 100 dia uPVC PN9 Series 1			UW requires uPVC PN9 series 1 with solvent weld joint- Refer drawing SEQ-WAT-1108-1.
788		Viadux								
789		Pipemakers								
790	Embedment material - crushed rock									
791	Embedment material - recycled concrete	Queensland Recycling				NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
792	Embedment material - sand					Main pipe and large service pipe (DN63 and Larger) uses are subject to acceptance by SP Small service pipe uses (DN25- DN50 PE) are mandatory	Main pipe use is subject to acceptance by SP Service pipe use mandatory	Main pipe use is subject to acceptance by SP Service pipe use mandatory		
793	Concrete				Normal class					
794	Security fencing				AS1725.1 Chain Link Fabric Fencing-powder coated black	Fence details generally to CoGC Standard Drawing 05-014	Refer to SEQ-SP for requirements	Fence details generally to CoGC Standard Drawing 05-014	Refer to SEQ-SP for requirements	In accordance with Unitywater's specification Pr9903 – Specification for Building and Structural Works, Section 5.15 Security Fencing.
795			HDX Series	Runner height of 38, 65, 90 and 125 mm	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes					
796	Casing Spacers	kwik-ZIP	HD Series	Runner height of 30, 50, 75 and 100mm 110mm OD to 355mm OD (un-grouted annulus). May be used on carrier pipe diameters greater than 355mm OD where the annulus will be grouted.	For SCL, DI, PE, PVC and GRP carrier pipes	Use is subject to acceptance of SP	Use is subject to acceptance of SP	Use is subject to acceptance of SP	Use is subject to acceptance of SP	
797	Plastic marker post	Park International		1350 mm Long x 100 mm Wide x 4 mm Thick	As per SEQ-WAT-1300-2					
798	Kerb Markers				As per SEQ-WAT-1300-1					Only Brass markers accepted
799	Camlock				S/Steel 316					Maximum DN100

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.3 Nov 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
800	Valve pit access cover and frame	McBarns (Aluminium)			Refer Standard Drawings SEQ-WAT-1307-3, SEQ-WAT-1308-1 and SEQ-WAT-1310-4	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
801		Gatic									
802		Civilmart									
803		Webforge									
804		Hygrade									
805		EJ									
806		Durham									
807		Ducast									
808		Mass Products									
809	Valve pit lightweight polymeric lids and frames (non-corrosive)	Prime Composites			Refer Standard Drawings SEQ-WAT-1307-3, SEQ-WAT-1308-1 and SEQ-WAT-1310-4	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
810		EJ									
811		Terra Firma									
812		ACO SAKU									
813	Protective external coating	Steuler KCH	Oxydur PTB		Colour white to grey & heritage green	Use is subject to acceptance by SP. External coatings at min 0.3 mm thick dry film via single coat. Sulphuric Acid resistance to suit site conditions. SP Approved Equivalents are the listed Internal coatings	Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid	Use is subject to acceptance by SP (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid	Use is subject to acceptance by SP	Use is subject to acceptance by SP (minimum 2.0 mm thickness)	
Category: EMERGENCY STORAGE CHAMBERS											
814	Emergency Storage Chamber	Envirotank Pty Ltd	Envirotank - Water/Wastewater Tank	From 4.8 m x 1.2 m dia. (5kl) to 16.4 m x 3.0 m dia. (110kl)	Fibreglass construction As per SEQ-SPS-1402-1	Use Accepted - 30 Year Warranty	Use Accepted - 30 Year Warranty	Use Accepted - 30 Year Warranty	Use is subject to acceptance by SP	Use Accepted - 30 Year Warranty	
815		Rocla	Concrete Detention System	Conc. Box units (2.4 m modules) Conc. Pipe units (2.44 m modules)	Reinforced Concrete - Sacrificial layer or Plastilined As per SEQ-SPS-1402-1	CoGC accepts only PE lined Pipe	LCC accepts only PE lined Pipe	RCC accepts only PE lined Pipe		UW accepts only PE lined Pipe	
816		Humes	Plastic Detention System 'Plastream'	1.5 m to 2.25 m dia (10kl to 250kl)	PE spirally wound steel-reinforced pipe As per SEQ-SPS-1402-1		Use is subject to acceptance by SP			NOT ACCEPTED BY SP	
817		Rocla	Hydrosave	From 1.2 m to 3.5 m dia and 2.5 m to 20 m length	Fibreglass construction As per SEQ-SPS-1402-1	Use is subject to acceptance by SP			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use Accepted with condition of 30 Year Warranty & Providing access opening of larger size about 1200 mm opening
818		Chemstore Group	Aquatec Fibreglass Storage Vessels	From 1 m to 4 m dia and 1 m to 20 m length	Fibreglass construction As per SEQ-SPS-1402-1			Use accepted - Warranty acceptable to SP to be provided			
819		Tank Solutions	Mullaly	1470mm to 3275mm in diameter 3.3m to 15m in length	Fibreglass construction As per SEQ-SPS-1402-1		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
820		Polynex	Polynex	From 600mm to 3000mm in diameter	Double walled HDPE As per SEQ-SPS-1402-1	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use Accepted - Minimum 20 year warranty
821											
822											