

A	B	C	D	E	F	G	H	I	J	K		
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 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:                      WSAAs Product Specifications are available at <a href="https://www.wsaa.asn.au/shop/category/11">https://www.wsaa.asn.au/shop/category/11</a>. Section 4 of the WSAAs 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 WSAAs 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.                      'Flange' All flanges used for pressure systems shall be PN16 complying with AS4087 Fig B5 unless otherwise specified.</p>												
<b>Category: SEWERAGE PIPES AND FITTINGS - NON PRESSURE</b>												
4	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		
5		Vinidex	DWV SEWER									
6		Viadux	D-FLO									
7		Micron Pipelines	Micron Pipelines									
8		Pipemakers	Pipemakers	DN100 - DN300								
9	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	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		
10		Vinidex										
11		Viadux										
12	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			
13		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	
14			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	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	
15			Beaver / Iplex	Jindal SAW	DN100 - 750	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		
16			Viadux	DIMAX/TYTONXTREME Z+	DN100 - 750			NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
17			Beaver / Iplex	Ironite	DN100 - 750	CAC cement lining	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	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
18			Saint-Gobain	Integral Zinalium	DN100 - 750			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	
19		Vinidex	ZAP-HAC	DN100 - 750			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		
20		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	Use is subject to acceptance by SP	
21			Pipe Lining and Coating	Fusionkote	OD168 - 3624							
22	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	Use is subject to acceptance by SP		
23		Pipe Lining and Coating	Fusionkote	OD168 - 3624								
24	240 4.1 - Type B - ID Series 4.2 - SN10 4.3 - SBR & EPDM	Vinidex	SewerPRO	DN150 - 900								
25		Iplex	SewerMAX	DN225 - 600	Accepted DN450 or larger				NOT ACCEPTED BY SP	SP USE ONLY		
26		Enviropipes	EnviroPipe	DN150 - 900			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		

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 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	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		
27		Vinidex	Sewertech								
28		David Moss Corporation	DAMOS Hi-Vis								
29		Viadux									
30		Poly Pipe	SewerFlex								
31		Enviropipes	Enviropressure								
32		ACP	ACP	DN110 – DN315							
33		Pipemakers	Pipemakers	DN110 – DN800							
34											
35	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 Up to DN630 DN110 to DN630 Up to DN630 Up to DN1000 Up to DN450	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.	
36		Friatec / Vinidex									
37		Plasson	Lightfit								
38		Agro	AGRU								
39			Agroline								
40		Fusion Group/FusionPlast	Fusamatic								
41		NUPIGECO	Elofit								
42		Hydroflow / Plastitalia S.p.A	PLAST								
43	David Moss Corporation	DAMOS									
44	Fusion QLD	Flo Right									
45	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	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	
46		Iplex									
47		Smartstream									
48		Adroit	Adroit								
49		David Moss Corporation	DAMOS Hi-Vis Fittings								
50		Holman	Holtech								
51		Pipestar	Pipestar								
52	231 4.1 - DN100/150 Crushing Strength 34, DN225 and larger Class 160 4.2 - Sp-Soc and Sleeve Coupling 4.3 - All seal materials accepted	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	
53		Steinzeug Keramo	Keramo								
54		Naylor / Rocla	Denlok								
55	201 4.1 - Sp-Soc ends to serve PVC-U DWV pipe 4.2 - Refer Standard drawings 4.3 - Standard RRJ for accept PVC-U DWV pipe 4.4 - SBR & EPDM 4.5 - Thermal-bonded polymeric coated and lined	Crevet			All DI fittings to be wrapped				Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
56		Viadux									
57	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	DN100 to DN225 DN100 to DN 630 DN100 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	Use is subject to acceptance by SP	
58		DEKS	DEKS shear banded coupling								
59		Rehau	Awaduct Flex Connect								
60		VIP Polymers/ Jaybro Group	VIPSeal								
61	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 & Varigib	Up to DN675 DN100 - DN250 DN80 to DN600 Up to DN 600 DN100 to DN600	Long type. All DI fittings to be wrapped. DI must have thermal bonded polymeric coating				Use is subject to acceptance by SP	CLOVER GIBALT NOT ACCEPTED BY SP	
62		Crevet	Gibault & Universal								
63		AVK	Gibault & Universal								
64			AVK Supa-Gib Couplings								
65		Viking Johnson	MaxiFit & QuickFit								
66		Derwent Industries									
67		DEKS	DEKS FLEXI-GIB								
68		Daemco	Reinversal								
69	Clover Pipelines	Clover Connect VPC									
70	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 a PVC-U access coupling	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 and not to be used on PVC-O or PE pipes	SP USE ONLY
71	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	
72			Humes								
73	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 Coupling Grade 316 Stainless Steel (min.)	
74			Global Pipe	Al Watani							

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 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										
75	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
76		205S 4.1 - As per product 4.2 - PN1 4.3 - SN10,000 minimum	Flowtite / Iplex	Flowtite	DN300 - DN3000					
77	FW-GRP (filament wound) pipe and Fittings - Sewer Pipe	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	Global Pipe	Fiberstrong	DN300 - DN4000	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
78			Superlit / Clover Pipelines	Superlit	DN300 - DN3000					
79		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					
80	CC-GRP (centrifugally cast) pipe and Fittings - Jacking Pipe		Empire Infrastructure	BOSSPIPE	DN300 - DN2000	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
81			Superlit / Clover Pipelines	Superlit	DN400 - DN1400					
82		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
83	FW-GRP (filament wound) pipe and Fittings - Jacking Pipe		Superlit / Clover Pipelines	Superlit	DN300 - DN3000					
84		280 4.1 - Solvent Cement 4.2 - SN10 4.3 - No alternate elastomeric materials for joint seals accepted	Iplex	Flap valve	DN50 to DN300					
85				Reflux valve fabricated	DN100	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	
86	Non-return valves		Vinidex	Flap valve	DN50 to DN100					
87			Hygrade Water	WaStop Non-return valves	DN75 to DN1800					
88		No WSA PS	Fluid Control	Red valve - Tideflex check valves	DN50 to DN2400	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
89			HMA Flow & Industrial - Valveco	Proflex Rubber Check Valve	DN 25 to DN 2500					
90			Emerson	Keystone						
91			Challenger	Challenger						
92			AVFI	AVFI						
93	Knife gate valve - Stainless Steel	266 4.1 - PN10 4.2 - Wafer or Lugged 4.3 - Clockwise closing, rising spindle	HMA Valveco	HMA Valveco	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	Subject to meeting the corrosion resistance requirements in Column F
94			(Note: This is the only vendor complying with 316 SS throughout)	Orbinox						
95	Bonnetted knife gate valve - Stainless Steel	266 4.1 - PN10 4.2 - 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. 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	Use is subject to acceptance by SP
96	Knife gate valve/penstock - Fabricated Stainless Steel	No WSAA 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
97			Emerson	Keystone						
98	Knife gate valve - Ductile iron body	266 4.1 - PN10 4.2 - Wafer or Lugged 4.3 - Clockwise closing, rising spindle	Challenger	Challenger	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. 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
99			AVFI	AVFI						
100			AVK	CYL						

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
<b>Category: SEWERAGE PIPES AND FITTINGS - PRESSURE</b>											
101											
102	PVC-M pipe	209	Iplex	RHINO	DN100 150 200 225 250 300 & 375		NOT ACCEPTED BY SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
103		4.1 - PN16	Vinidex	Hydro							
104		4.2 - Sewer Rising main	Viadux	Plaspipe							
105		4.3 - Series 2 only	Micron Pipelines	Micron Pipelines							
106		4.4 - Cream refer POP203	Pipemakers	Pipemakers Enviromain							
107	PVC-O pipe	210	Iplex	ApolloBLUE	DN100 150 200 225 250 300 & 375	NOT ACCEPTED BY SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
108		4.1 - PN16	Vinidex	Supermain							
109		4.2 - MRS400 or MRS450	Micron Pipelines	Micron Pipelines							
110		4.3 - Sewer Rising main	Pipemakers	Alphamain							
111	4.4 - Series 2 only, Cream refer POP203			TOM®	DN100 to DN150			Use is subject to acceptance by SP			
112	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	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	PN20 NOT ACCEPTED BY SP	
113			Vinidex	ZAP-GP	DN250-750 (not 225)						
114			Clover Pipelines	Clover/Xinxing		PN20, CAC lining for corrosive flows					
115			Vinidex	ZAP-HAC							
116			Beaver-Jindal Australia/NZ		DN225 to DN750	NOT ACCEPTED BY SP					Use is subject to acceptance by SP
117			Clover Pipelines	Clover/Xinxing	PN35 and Flange class CP or SR lining						
118			Vinidex	ZAP-GP		NOT ACCEPTED BY SP					Restraint joint seals <b>not</b> suitable for: -PN20 pipe; -Aboveground applications; -Combining joint restraint and thrust blocks; -Epoxy or fusion coated spigots; -Other manufacturers sockets or other pipe materials.
119			Beaver / Iplex	Irontile (XINAL400+ coating)							
120			Beaver / Iplex	Irontile (XINAL400+ coating)		NOT ACCEPTED BY SP					Cement Mortar lining of any type is not permitted within 5.0 metres of the HGL at pump stop. Alternative non-corrosive lining or pipe and fittings required. Use of Beaver-Jindal products is subject to acceptance by SP
121			Vinidex	ZAP-HAC							
122			Saint-Gobain	DIMAX/TYTONXTREME Z+		PN35 and Flange Class, CAC or HAC lining for corrosive flows	Cement Mortar lining of any type is not permitted within 5.0 metres of the HGL at pump stop. Alternative non-corrosive lining or pipe and fittings required.				Cement mortar lining of any type is not permitted at locations where there is a potential of the pipe lining in contact with air/gas continuously or intermittently. At such locations, non-corrosive pipes or metal pipes with non-corrosive linings shall be used.
123			Viadux	DIMAX/TYTONXTREME Z+	DN100 – DN750 (not 225)						
124	Clover Pipelines	Clover/Xinxing		NOT ACCEPTED BY SP					All linings of pipes and fittings at such locations shall be non-corrosive.		
125	Clover Pipelines	Clover/Samsun	DN100 – DN300								
126	Reece/Viadux	DIMAX/TYTON XCEED Z+		PN35 and Flange Class 400g/m2 Zn/Al+100µm epoxy or min 900 micron Polyurethane external coating Min 1300 micron Polyurethane internal lining	Cement Mortar lining of any type is not permitted within 5.0 metres of the HGL at pump stop. Alternative non-corrosive lining or pipe and fittings required.				Use is Subject to acceptance by SP		
127	Beaver / Iplex	Jindal SAW	DN100 – DN750 (not 225)								
128	DI Pipe - ISO	202S 4.1 - K9-PN35 4.2 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.3 - Polyurethane lining only 4.4 - Restrained Joints on Zinc/Bitumen coated pipe 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	

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
129	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)	Thermal bonded polymeric coating is the standard material in WSA PS 201 and WSA PS212.  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.
130		Crevet / Iplex	Crevet	Up to DN750 (not 225)						
131		Vinidex	Superlink	Up to DN750 (not 225)						
132		Derwent		Up to DN750 (not 225)						
133		Gillies		DN100 & DN150						
134		Himgiri Castings/Galvin Engineering / CivilPipes	Galvin	DN80 to DN300						
135		Dobbie Dico	Dobbie	DN100 to DN250						
136		Mallet	Mallet	DN80 to DN750						
137		Clover Pipelines	Clover	DN80 to DN150						
138	Daemco	Daemco	DN80 - DN375			FI-Soc & FI-Sp Connectors accepted up to DN375		FI-Soc & FI-Sp Connectors accepted up to DN375	FI-Soc & FI-Sp Connectors accepted up to DN375	
139	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.)
140	316 SS repair and flanged off-take clamps	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.
141		Viadux	Wang	DN100 to DN300						
142		Cascade Control	Rapid Clamps	DN40 to DN350						
143		Daemco	Norma Connect	DN80 to DN300						
144		AVK	AVK Series 748	Up to DN300						
145	Derwent					Only Type R repair clamps accepted.				Only Type R repair Clamps accepted
146	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 SP 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
147	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
148	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
149			Derwent	Uniclamp	DN125 and DN180					
150	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
151			DEKS	DEKS shear banded coupling	DN100 to DN225					
152	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	Up to DN675	Long type.  All DI fittings to be wrapped.  DI must have thermal bonded polymeric coating.				
153			Crevet	Gibault & Universal						
154			AVK	Gibault & Universal						
155			AVK Supa-Gib Couplings							
156			Viking Johnson	MaxiFit, QuickFit						
157			Derwent Industries							
158			DEKS	DEKS FLEXI-GIB						
159			Daemco	Reinoversal						
160	Clover Pipelines	Clover Connect VPC	DN100 to DN600			CLOVER GIBAUT 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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
161	<p><b>271</b> 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 &amp; EPDM &amp; 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 CIOD 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	
162		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 CIOD 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>						
163		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
164			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.
165		<p><b>245 for PE</b> 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.
166			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
167	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		
168	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 is subject to acceptance by SP		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
169	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.						
170	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				Use by SP only	
171	<p><b>201</b> 4.1 - FI-FI for DJ &amp; FI/Sp for UniFlange 4.2 - Thrust type and non-thrust type 4.3 - Thrust Restraint by Fitting 4.4 - SBR &amp; 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					
172		Viking Johnson			SS316 bolts, nuts and washers.	<b>NOT ACCEPTED BY SP</b>				Uni-flange to be used within pit or aboveground locations only	
173		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	Use is subject to acceptance by SP	
174		Hygrade Water	Pipemate	DN80-DN900		<b>NOT ACCEPTED BY SP</b>					
175		AVFI	AFD10 Series	DN80-DN1200	All DI fittings to be wrapped	Restrained type only	Restrained type only				
176	<p><b>207</b> 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 - PE shall be used unless specific site conditions dictate otherwise.	
177		Vinidex	Sewertech								
178		David Moss Corporation	DAMOS								
179		Poly Pipe	SewerFlex								
180		Enviropipes	Enviropressure	DN40 50 63 90 125 180 250 315 355 450 560 630 800	For directional drilling installations, minimum SDR 9 (PN20 PE100) unless specified otherwise and install with tracer wire.						
181		Cromford	Identipe								
182		ACP	ACP								
183		ASA									
184		Agru									
185		Pipemakers	Pipemakers	DN25 - DN800	Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available	Use is subject to acceptance by SP					
186	Clover Pipelines	Clover/Rohr	DN16 - DN630		Use is subject to acceptance by SP	Use is subject to acceptance by SP					
187	PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	<b>207, POP016</b> 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	<p>For directional drilling and pipe bursting installations, minimum SDR 9 (PN20 HSCR PE100) unless specified otherwise and install with tracer wires.</p> <p>Pipe wall thickness to be specified as normal PE100 as such "extra" strength should be provided.</p> <p>Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available.</p>	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)	
188	PE fittings - Moulded - High Stress Crack Resistant (HSCR) Polyethylene	<b>208</b> 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	Aguline	Up to DN630	<p>Electrofusion fitting to be long type.</p> <p>Stub flange may only be used for DN450 and larger sizes</p>	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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
189	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.	Long Spigot fitting only accepted 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 is subject to acceptance by SP	Flanged tees and flanged saddles are not accepted by SP	Flanged tees and flanged saddles are not accepted by SP
190		Friatec / Vinidex	Frialen	DN63XDN32 to DN350XDN90						
191		Plasson								
192		Agro	AGRU	Up to DN630						
193		Fusion Group / FusionPlast	Fusamatic	Up to DN630						
194		NUPIGECO	Elofit	DN20 to DN710						
195		Hydroflow / Plastitalia S.p.A	PLAST	Up to DN630						
196		Simona / Plasson	Simona	Up to DN500						
197		Mako	Mako	Up to DN630						
198		David Moss Corporation	DAMOS	Up to DN1000						
199	Fusion QLD	Flo Right	Up to DN450							
200	Guangdon Liansu / Crew Pipelines	Lesso	DN63 - DN800							
201	216 4.1 - PN16 Minimum 4.2 - Electrofusion and butt weld 4.3 - Compliance with AS/NZS 4129 & POP006 4.4 - Fittings include: reducers, stub flanges, end caps, reducing tees and sweep bends	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	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
202		Pipestar	Pipestar	Up to DN355						
203	208 (Moulded 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	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
204		Plasson		DN80/DN100	Slotted flanges & backing rings suit both DN80 and DN100					
205		Iplex		Up to DN355	Full bore connections					
206		Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					
207		Fusion Group / FusionPlast	Fusamatic	DN90 to DN 450						
208	David Moss Corporation	DAMOS	Up to DN1200							
209	216 4.1 - PN16 Minimum 4.2 - Butt weld pipe joint with full face flange adaptor 4.3 - Compliance with AS/NZS 4129 & POP006 4.4 - Flange compatible with AS 4087 Figure B5 and have SS316 backing ring	Rodney / Vinidex	Maxi Stub	Up to DN355	Full bore connection	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
210	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		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
211	203 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Seal Coat not required 4.4 - As per SP requirement 4.5 - Joint requirements by Design 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	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
212		Pipe Lining and Coating	Fusionkote	OD168 - 3624						
213	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	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
214		Pipe Lining and Coating	Fusionkote	OD168 - 3624						
215	Stainless Steel Pipe No WSA PS 1 - WSAA Materials Fact Sheet No:2 Selection of Stainless Steels 2 - WSAA Materials Fact Sheet No:3 Fabricating Stainless Steels	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

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
216	260 4.1 - PN16 4.2 - FI-FI, Soc-Soc, Sp-Sp, FI-Soc, FI-Sp, PE tailed and 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	AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 36/80 Series 01/71 Series 55	Up to DN400 Up to DN600 Up to DN300 Up to DN300 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 Karon / Challenger (FL-FL light weight design) is subject to acceptance by SP				Use of AVK SupaPlus restrained couplings is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations  Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.
217		Hawle	E2							
218		Viadux	Series 500 Auslite II Auslite III	Up to DN600 DN100 - DN300 Up to DN 600						
219		Karon / Challenger	Karon Karon (FL-FL light weight design) Karon (FL-FL integral bypass valves)	DN80 - DN600 DN80 - DN300 DN450 - DN600						
220		AVFI		DN80 - DN600						
221		Betta	BETTA	DN80 - DN600						
222		AAP Industries	Maxflo/appFLO	DN80 to DN300						
223		Derwent Industries	Derwent	DN80 - DN600						
224		DAEMCO		DN80 to DN300 for Soc-Sp DN80 to DN375 for FL DN100 to DN150 for gripper type						
225		Reece	DIMAX	DN80 - DN600 (FI-FI) DN100 - DN150 (Soc-Soc) DN100 - DN150 (Sp-Sp)						
226	283 1 - PN16 resilient seated gate valves for under pressure line stopping application for pressure sewerage	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
227	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	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
228		NIBF / Iplex								
229		Forge Bros / Vinidex								
230		Challenger								
231		Daemco								
232	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	
233	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
234	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
235	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.)
236	FW-GRP (filament wound) pipe and Fittings - Sewer Pipe	Flowite / Iplex	Flowite	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.)
237		Global Pipe	Fiberstrong	DN300 - DN4000						
238		Superlit / Clover Pipelines	Superlit	DN300 - DN3000						
239	Flowmeter - Network Meter	ABB	ABB			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	ABB Water master
240		Siemens	Siemens						NOT ACCEPTED BY SP	Use is subject to acceptance by SP
241		E & H	E & H						E & H Promag W400	NOT ACCEPTED BY SP
242		Emerson	Emerson						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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
<b>Category: SEWERAGE MISCELLANEOUS ITEMS</b>										
243										
244	290 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	Gatic / Milne			Refer Standard Drawings.  Covers with another Service Provider's name not accepted.  Use of Square and Rectangular Covers and Frames subject to SP approved based on Design needs	Concrete Infill Covers are NOT ACCEPTED BY SP  Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.  Class E to be used for motorway locations as per AS3996:2019	Concrete Infill Covers are NOT ACCEPTED BY SP  Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.  Class E to be used for motorway locations as per AS3996:2019	Concrete Infill Covers are NOT ACCEPTED BY SP		Concrete Infill Covers NOT ACCEPTED BY SP
245		EJ								
246		Webforge								
247		Civilmart								
248		Durham								
249		Hygrade								
250	345 4.1 - Circular 4.2 - As per Manufacturers requirements 4.3 - 600 mm Minimum as per SP clear opening requirements	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 acceptance by SP	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.
251	292 4.1 - ≤ DN 450 Round 4.2 - DN430 min clear opening 4.3 - Standard Lifting Key 4.4 - Markings to AS3996 Clause 1.6. 4.5 - Standard packaging 4.6 - No specific markings required 4.7 - No bolt down required	Smartstream	Smartstream Top Hat- P8HDS		DI-Class D	Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.  Class E to be used for motorway locations as per AS3996:2019		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
252		Webforge	Webforge (DCC4D32)		DI - Class D					
253	292 4.1 - ≥DN 600 Round 4.2 - DN600 min clear opening 4.3 - Standard Lifting Key 4.4 - Markings to AS3996 Clause 1.6. 4.5 - Standard packaging 4.6 - No specific markings required 4.7 - Bolt down for Surcharge and overland flow areas, 2 x M12 min SS316 Bolts	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 Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019.  Class E to be used for motorway locations as per AS3996:2019	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
254		ACO SAKU			Composite - Class B					
255		Prime Composites			Composite – Class B and D					Use is subject to acceptance by SP
256		EJ	EJ SERVO		Composite – Class B and D	Use is subject to acceptance by SP				
257	290 4.1 - DN1000 4.2 - Two part round, Sealed Type 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Hand grip lifting points 4.6 - No additional marking requirements 4.7 - Central Hinge not required 4.8 - Standard Packaging and Delivery 4.9 - No specific marking requirements 4.10 - No alternative coating requirements 4.11 - 4 x 3/8" Allen Key SS 316 Bolts 4.12 - As per SP requirements 4.13 - Nil Seat ring SS 316 4.14 - Rocking of cover in frame not permitted	Treloar	MC1000-Manway Cover	DN900	Class C Fabricated S/Steel grade 316 ring Nitrile gasket seal				Use is subject to acceptance by SP	
258	314 4.1 - Single Step 4.2 - Complies with Figure 5.10 of AS1657 4.3 - Steel bar internal with Plastic encapsulation or SS316 4.4 - Plastic encapsulation or SS316 4.5 - No reflectors required 4.6 - No other safety devices required	Miyama / Nextep	Miyama		M053	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		NOT ACCEPTED BY SP
259		Aymroo	Aymroo							
260		C & C Plastics / Havestock	Posistep							
261		Industrial Steps & Ladders	Sure-Step							
262	315 4.1 - Type D - Fixed Ladder with two Stiles 4.2 - PBT, FRP, SS316, Galvanised Steel or Aluminium 4.3 - By Standards 4.4 - By Standards 4.5 - Reflectors optional 4.6 - 150 mm from CL of rung to MH wall 4.7 - By Standards 4.8 - Colour as per material 4.9 - SS 316	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>	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		Use is subject to acceptance by SP
263		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.					
264		Galvanised Steel			Refer to Standard Drawings					
265		Stainless Steel or Aluminium								
266	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	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 7.2 July 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	Maintenance Shafts PE	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	
267	Maintenance Shafts Polypropylene	Iplex	EZlpit PA 09/01	DN425	Refer Standard Drawings Wavin Tegra 425 base + EZlpit riser			Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
268		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
269		REHAU		OD400-GD (Type H12) OD400-RML (Type H13)						
270	Maintenance Chambers Polypropylene	Iplex	Ezlpit PA 09/01	DN600	Refer Standard Drawings Wavin Tegra 600 base + EZlpit riser			Refer to clause 7.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
271		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
272	Maintenance Chambers Polyethylene (PE)	Smartstream	Mini pit	DN600				Use is Subject to acceptance by SP	NOT ACCEPTED BY SP	ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER
273		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
274	Pre-cast Maintenance Holes	Rocla								
275										

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 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											
276	Pre-cast Concrete Converter Top Slab	Everhard			Refer Standard Drawings. Calcareous aggregates to be used	Use is Subject to acceptance by SP					
277		Civilmart									
278		Australian Quality Precast									
279		Aquarius Precast									
280		First Contact Civil Supplies									
281	Plastic Maintenance Holes	339 for PE MHs 4.1 - Minimum DN1000 Riser and DN600 neck 4.2 - PE Riser and Cone 4.3 - Riser stiffness as advised by Manufacturer 4.4 - Nominal sizes as per Standards and SP requirements 4.5 - Configurations as per Standards and SP requirements (For RIGSS Refer Type K1 on SEQ Code Standard Drawing SEQ-SEW-1314-2) 4.6 - Ladder as per SP requirements 4.7 - Roto moulded riser wall construction 4.8 - Welded (electrofusion or butt) connection for Nusewers; RRJ connection for RIGSS 4.9 - Colour of internal surfaces as per Standard Product 4.10 - Surface cover and frame as per Standards	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	
282		340 for PP MHs 4.1 - Minimum DN1000 Riser and DN600 neck 4.2 - PP Riser and Cone 4.3 - Riser Pipe Stiffness SN4 4.4 - Nominal sizes as per Standards 4.5 - Configurations as per Standards 4.6 - Ladder as per SP requirements 4.7 - Ribbed base and corrugated riser 4.8 - RRJ connection for RIGSS 4.9 - Colour of internal surfaces as per Standard Product 4.10 - Surface cover and frame as per Standards	Rehau	AWASHAFT	DN1000					NOT ACCEPTED BY SP	Accepted for RIGSS, not accepted for NUSEWER.
283		Iplex	Ezipit	DN1000	Use is subject to acceptance by SP					Use is subject to acceptance by SP	
284	Vent poles	325 and 326 1 - Project Specific outcome	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	
285		Ingal EPS			Accepted Height 12.0 m					Minimum accepted Height 6.0 m	
286	Valve box and cover C.I. & D.I.	Viadux			Refer Water Code Standard Drawings for approved Valve Box and Cover	Use is subject to acceptance by SP			Only Class D accepted		
287		NIBF									
288		Gatic / Milne									
289		Civilmart									
290		Hygrade Water	Hygrade Water								
291		Daemco		As per drawing SEQ-WAT-1305-1 Type B							
292	Valve pit access cover and frame	290 4.1 - 600 x 900 mm (Min.) 4.2 - Solid top, Sealed Type 4.3 - 600 x 900 mm Clear Opening (Min.) 4.4 - Class B for non-trafficable areas and Class D for trafficable areas 4.6 - Lifting Key as per Standard Drawings 4.7 - Markings to AS3996 Clause 1.6 (a) to (f). 4.8 - Hinged (Unitywater requires non-hinged access cover) 4.9 - Standard Packaging and Delivery 4.10 - No specific markings required 4.11 - Standard Coating 4.12 - Bolt down requirement by design 4.13 - Weatherproof (sealed) Aluminium 4.14 - Rocking of cover in frame not permitted	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	
293		Gatic									
294		Civilmart									
295		Webforge									
296		Hygrade									
297		EJ									
298		Durham									
299		Ducast									
300		Mass Products									
301		Valve pit lightweight composite lids and frames (non-corrosive)	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	Prime Composites							
302	EJ										
303	Terra Firma										
304	ACO SAKU										
305	Loose PE sleeving to DI pipe	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		
306		Crevet									
307	Embedment material - crushed rock	351 4.1 - Single sized 4.2 - Nominal 5 or 7 mm									
308	Embedment material - recycled concrete	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	
309	Concrete-Normal Class	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									
310	Concrete-Special Class (for Maintenance hole and for concrete in aggressive environment)	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	Cast in-situ MH's Refer details on Standard Drawings Concrete N32 minimum	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	

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
311	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		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
312		Bermad								
313		Vent-O-Mat								
314		Odour Technologies	Vinloc-Smartvalve							
315		AVFI	ARV-3-N							
316	ISCO	Vent Master PX								
317	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
318		Dobbie Dico		DN80-DN900						
319		AVK	AVK Swing Check Valve 41/25	DN50						
320		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
321		Challenger Valves	Challenger - RSSC	DN80-DN375						
322	AVFI Pty Ltd	AVFI - RSSC	DN50-DN300							
323	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
324		Dobbie Dico		DN80-DN900						
325		AVK	AVK Swing Check Valve 41/25	DN50						
326		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
327		Challenger Valves	Challenger - RSSC	DN80-DN375						
328	AVFI Pty Ltd	AVFI - RSFC	DN80 - DN600							
329	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	DWV uPVC Moulded Fitting reinforced to SEQ Standards.  Type D Junction from moulded fittings welded and fibreglass wrapped.  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
330		Iplex								
331		Holman Industries								
332		M.E. Christensen								
333	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	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
334		Iplex								
335		Tri Underground								
336		Holman Industries								
337		M.E. Christensen								
338	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	
339		Plastec	Plastec							
340	318 4.1 - Tape Colour Cream for Non-Pressure and Pressure Sewerage 4.2 - Message = "Caution ASSET DESCRIPTION Buried Below" or "Danger Buried ASSET DESCRIPTION Below" 4.3 - SS 316 tracer wire 4.4 - See 4.1 above	Boddingtons								
341		Tapex								
342		Rain Harvesting	421							
343	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					
344	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	
345	Hydrophilic Seal		Hydrotite							
346			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	

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
347	324 4.1 - Carrier pipes OD from 100mm to 1668mm 4.2 - As per design 4.3 - Minimum ID as per Standard Drawings 4.4 - Annular space shall be grouted unless directed otherwise by SP 4.5 - Min space between carrier pipes and encasing pipes 50mm	kwik-ZIP	HDX Series	Runner height of 38, 65, 90 and 125 mm	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes					
348			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	
349	248 4.1 - SS, Copper Alloy 4.2 - S, IV, GV, SV, VV, RM 4.3 - Circular 4.4 - 19mm 4.5 - 40mm diameter				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
350	Camlock				S/Steel 316					Maximum DN100
351	352 Protective internal lining - Polyethylene	Steuler		min. 2.5 mm thickness	Mechanically anchored PE lining cast into wall & underside of top slab - Light colour					PE lining Mandatory for Sewerage Pump Stations, Collector Manholes and Sewer Rising Main Discharge Manholes
352		Agrusafe								
353		Bluey Technologies								
354		AKS								
355	355 356 357 358 359 360 361 362 363 364 365 Protective internal coating - other coating types	Peerless Industrial Systems	Epigen 4029	Colour white to grey	Internal coatings at 2.0 mm thick via minimum of two coats – this requirement overrides Note G14 on SEQ-SPS-1402-1.	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 (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	Only cementitious or epoxy mortars to be used on existing concrete structures. (Mortar coating typically 25mm thick)
356			Epigen 1311 Ultra							
357		Sika Australia	Sikagard - 63N							
358		Hychem Epoxy Systems	Hychem TL5							
359		International Paints	Celcoat 2000 Flakeline							
360		ITWPF	Epirez 733UHB							
361		Fernco / JDP Applications	Ultracoat Epoxy Coating							
362		Interflow	Interchem CAC							
363		BASF	MasterSeal 7000CR							
364	Building Chemical Supplies	Ombran MHP Ombran MHP SP3000	Accepted are Ombran MHP15 and MHP SP3000 Cementitious profiling and coating with min thickness of 12mm to be used for concrete MH repairs							
365	Parchem	Sewpercoat	Use is subject to acceptance by SP							
366	366 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 (minimum 2.0 mm thickness) Excellent resistance to Sulphuric Acid	Use is subject to acceptance by SP (minimum 2.0 mm thickness)	Use is subject to acceptance by SP (minimum 2.0 mm thickness)
367	367 Precast concrete packaged sewage pumping stations	Aquatec		DN2.25m and DN3.20m	To be used for reticulation systems only (not for trunk sewers) Subject to geotechnical conditions (e.g. not be used for water charged areas)	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	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
368	368	Xylem		DN1.80m, DN2.20m and DN3.0m		Accepted as per Xylem CoGC version drawing set Sheet 1 – Sheet 13 submitted on 22/11/2019				

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
<b>Category: WATER SUPPLY PIPES - PRESSURE</b>										
369										
370	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	<b>NOT ACCEPTED BY SP</b>
371		Vindex	Hydro							
372		Viadux	Plaspipe							
373		Micron Pipelines	Micron Pipelines							
374		Pipemakers	Pipemakers Enviromain							
375	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	<b>NOT ACCEPTED BY SP</b>	SP USE ONLY	Use is subject to acceptance by SP	<b>NOT ACCEPTED BY SP</b>	
376		Vindex	Supermain							
377		Micron Pipelines	Micron Pipelines							
378		Pipemakers	Alphamain							
379			TOM®	Up to DN 375						
380	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	Vindex	ZAP-GP	DN250 - DN750 (not 225)	PN 20	<b>NOT ACCEPTED BY SP</b>	<b>NOT ACCEPTED BY SP</b>	Use is subject to acceptance by SP	<b>NOT ACCEPTED BY SP</b>	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. <b>PN20 - Use is subject to acceptance by SP</b>
381		Clover Pipelines	Clover/Xinxing (ZnAIRE400)							
382		Beaver-Jindal Australia/NZ		DN225 to DN750						
383		Beaver / Iplex	Jindal SAW	DN100 to DN750						
384		Xinxing / Iplex	Irontite (XINAL400+ coating)	Up to DN 750 (not 225)						
385		Vindex	ZAP-GP							
386		Saint-Gobain	PAM/TYTON Hydroclass Zinalium							
387		Viadux	DIMAX/TYTONXCEL Z+	DN100 - DN750 (not 225)						
388		Clover Pipelines	Clover/Xinxing (ZnAIRE400)							
389		Clover Pipelines	Clover/Samsun	DN100 to DN300						
390		Reece / Viadux	DIMAX/TYTON XCEED Z+	DN100 to DN750						
391		Beaver / Iplex	Jindal SAW							
392	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
393	Small DN Ductile Iron Water Main pipe at PE OD's	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	Use is subject to acceptance by SP
394	SCL pipe	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
395		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 7.2 July 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											
396	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	Iplex		DN25, 32, 40, 50, 63, 90, 125, 180, 250, 315, 355, 450, 560, 630, 800	PE100 PN16.  Blue colour - solid or striped for drinking water.  Purple colour - solid for non-drinking water.  For directional drilling installations, minimum SDR 9 (PN20 PE100) unless specified otherwise and install with tracer wire. Pipe wall thickness to be designed for installation forces.	1 - Used as Water Service pipe at DN25 and larger 2 - Used as Drinking Water main at DN63 and DN110 in Dual Water Supply 3 - Used as A+ Non Drinking Water main for Cul-de-sac terminal end at DN63 in Dual Water Supply 4 - Used as Drinking Water main for Cul-de-sac terminal end at DN63 in traditional Drinking Water Reticulation	Approved for water services and water mains <= DN63 only. Other uses, or the use of larger diameters, are subject to acceptance	Use is subject to acceptance by SP	PE is preferred pipe material for reticulation mains in single and dual water supply systems - PE shall be used for reticulation mains unless specific site conditions dictate otherwise.  Either solid or striped colours are permitted for single and/or dual water supply systems.	NOT ACCEPTED BY SP	
397		Vindex									
398		David Moss Corporation	DAMOS								
399		Cromford	Identi-pipe								
400		Poly Pipe									
401		Enviropipes	Enviropressure								
402		ASA	Blueline								DN25 to DN125
403		ACP	ACP								DN25 to DN315
404	Pipemakers	Pipemakers	DN25 to DN800								
405	Clover	Clover/Rohr	DN16 - DN630								
406	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		
407	Copper pipe	MM Kembla	Kembla		Type A	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	
408	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	
409	FW-GRP (filament wound) pipe and Fittings - Water main	Flowtite / Iplex	Flowtite	DN300 - DN3000	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	
410		Global Pipe	Fiberstrong	DN300 - DN4000							
411		Superlit / Clover Pipelines	Superlit	DN300 - DN3000							
412	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	

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
<b>Category: WATER SUPPLY FITTINGS - PRESSURE</b>											
413	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. 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 of Restrained Joint Rubber Rings (Tyton-lok) subject to acceptance by SP	
414			Dobbie Dico	Dobbie	DN100 to DN150						
415			Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150						
416			Clover Pipelines	Clover	DN100 to DN150						
417	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	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Restrstraint 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	
418			Crevet / Iplex	Crevet							Up to DN750
419			Vinindex	Superlink							Up to DN750
420			Derwent Industries								Up to DN750
421			Gillies								DN100 & DN150
422			Himigiri Castings/Galvin Engineering / CivilPipes	Galvin							DN80 to DN300
423			Dobbie Dico	Dobbie							DN100 to DN250
424			Mallet	Mallet							DN80 to DN750
425			Clover Pipelines								DN100 to DN150
426	Daemco	Daemco	DN80 - DN375			Use is subject to acceptance by SP	Fi-Soc & Fi-Sp Connectors accepted up to DN375	Fi-Soc & Fi-Sp Connectors accepted up to DN375	Fi-Soc & Fi-Sp Connectors accepted up to DN375		
427	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	Up to DN750	Long type only. All DI fittings to be wrapped. DI must have 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	CLOVER GIBAULT NOT ACCEPTED BY SP	
428			Crevet	Gibault & Universal Multigib							Up to DN750
429			AVK	Gibault & Universal							Up to DN675
430			AVK Supa-Gib Couplings								Up to DN675
431			Viking Johnson	MaxiFit, QuickFit							
432			Derwent Industries	Derwent							DN100 to DN250
433			DEKS	DEKS FLEXI-GIB							DN80 to DN750
434			Daemco	Reinoversal							Up to DN 600
435			Clover Pipelines	Connect VPC							DN100 to DN600
436	DI mechanical couplings - End Thrust Restraint (Gripper Type)	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	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.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	The use of gripper type fittings on AC, DI and SCL pipe subject to acceptance by SP	
437			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.					
438			Nova Siria/Hygrade Water	Multigrip	DN350-DN1400	Requires pipe stiffener insert to be installed when connecting to PN16 (SDR 11) PE100 pipe.					
439			Viking Johnson	UltraGrip	DN100 - DN300						
440			Hawle / Hygrade Water	System 2000	DN63-DN355	Does not require pipe stiffener inserts to be installed on PN16 (SDR 11) PE100 pipe.					
441			AVK	Supa Plus Restraint		Requires pipe stiffener inserts to be installed					
442			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.					
443			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.					
444			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.					
445			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
446	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	
447											



A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
448	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			Use of pretapped connectors is under review
449		Viadux	Readytap	DN100 to 300						
450		Crevet / Iplex	Pretapped	DN100 & DN150						
451		Vinidex	Superlink	DN100 & DN150						
452		Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150						
453		Daemco	Daemco	Up to DN300						
454		Derwent	Derwent	DN100 - DN300						
455	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.	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.
456		Viadux	Wang	DN100 to DN300						
457		Cascade Control	Rapid Clamps	DN40 to DN350						
458		Daemco	Norma Connect	DN80 to DN300						
459		AVK	AVK Series 748	Up to DN300						
460		Derwent		Up to DN300						
461		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						
462	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	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
463	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	Only accepted for use where welded joints are not practicable	
464		Derwent	Uniclamp	DN125 and DN180						
465	260 4.1 - PN16 4.2 - FL-FI, Soc-Soc, Sp-Sp, FI-Soc, FI-Sp, PE tailed and 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 for 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	AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 36/80 Series 01/71 Series 55	Up to DN400 Up to DN600 Up to DN300 Up to DN300 DN450 to 600	Anchor legs approved  All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted  All DI fittings to be wrapped	DN500 and DN600 with DN100 By-pass  DN750 with DN150 By-pass				Use of AVK SupaPlus restrained couplings is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations
466		Hawle / Hygrade Water	E2 FL Ends E2 System 2000 A Valve FL & SOC Ends	DN100 - 200 DN50 - 300 DN80 - 200						
467		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						
468		Karon / Challenger	Karon Karon (FL-FL light weight design) Karon (FL-FL integral bypass valves)	DN80 - DN600 DN80 - DN300 DN450 - DN600						
469		AVFI		DN80 - DN600						
470		Betta	BETTA	DN80 - DN600						
471		AAP Industries	Maxflo/appFLO	DN80 to DN300						
472		Derwent Industries	Derwent	DN80 - DN600						
473		DAEMCO		DN80 to DN300 for Soc-Sp DN80 to DN375 for FL DN100 to DN150 for gripper type						
474		Reece	DIMAX	DN80 - DN600 (FI-FI) DN100 - DN150 (Soc-Soc) DN100 - DN150 (Sp-Sp)						

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 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	283 1 - PN16 resilient seated gate valves for under pressure line stopping application for water supply	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  Valves that are unable to be restrained are not accepted.  All DI fittings to be wrapped	SP USE ONLY	SP USE ONLY	Use is subject to acceptance by SP	SP USE ONLY	SP USE ONLY
475										
476	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
477		Iplex	AVK							
478		Emerson / Viadux	Keystone		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.).	DN100 to DN300 Property Service valves are wafer type for in-ground installations and are anti-clockwise closing operated.				
479		Ebro	Ebro		Disc shall be stainless steel Grade 316.	DN100 to DN300 Property Service valves are lugged type for above ground installations and are anti-clockwise closing operated.				
480	Butterfly Valves	AVFI	AVFI	DN50-600 for wafer/ lugged DN100-1000 double flanged	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.)	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
481		Valveco	Valveco							
482		Challenger	Challenger							
483		Hydroflow Distributors	Watts							Use is subject to acceptance by SP
484		AVK	Series 30/00 non-swab and 30/10 for swab							
485	Hydrants	Viadux	Sureflow		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
486		Civil Pipe Supplies	BETTA normal & Swab							
487		AAP Industries	MAXIFLO/appFLO							
488		Derwent Industries	Derwent standard and Swab							
489		Dobbie Dico				Use is subject to acceptance by SP		Use is subject to acceptance by SP	Swab type only accepted. DN100 flanged to AS 4087 Fig B5.	
490	Ant Barrier devices for Hydrants	No WSA PS Compliance with AS/NZS 4020	Hydrant Protection			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is as directed by SP	
491			Retroguard							Use is subject to acceptance by SP
492	Debris and Ant Barrier Device	No WSA PS	Hydrant Services	Ant and Debris Barrier		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is as directed by SP	Use is subject to acceptance by SP
493			AVK							
494	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	Viadux	DN80 - DN100	Thermal bonded polymeric coating Min. PN16	Use is subject to acceptance by SP	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
495			Betta / Clover Pipelines							
496			Crevet							
497			NIBF / Iplex							
498			Gatic / Iplex							
499	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	Civilmart		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				
500			Viadux							
501			Hygrade Water	Hygrade Water				Use is subject to acceptance by SP	Only Class D accepted	
502			Daemco	As per drawing SEQ-WAT-1305-1 Type B		Use is subject to acceptance by SP				
503			Gatic/Iplex							
504			NIBF / Iplex							
505	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	Civilmart		Bitumen coated to AS 3750.4	Lids colour yellow are preferred to be painted in factory				
506			Viadux							
507			Hygrade Water	Hygrade Water				Use is subject to acceptance by SP	Only Class D accepted	
508			Daemco	As per drawing SEQ-WAT-1305-1 Type B		Use is subject to acceptance by SP				
509	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
510			Replas / Crevet							
511			Replas / Vinidex							
512			Replas / Civil Pipes							
513	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
514			Daemco	Daemco						
515			Viadux							
516			NIBF / Iplex							
517	Valve extension spindles	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	Forge Bros / Vinidex		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
518			Challenger							
519			Daemco							
520			ANT Infrastructure Technologies	ANT		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

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
521	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
522		Pipe Lining and Coating	Fusionkote	OD168 - 3624						
523	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					
524		NIBF / Iplex								
525	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								
526	No WSA PS 1 - Refer details on SEQ-WAT-1313-1				316 Stainless steel bolts					
527	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	George Fischer			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	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
528		Philmac / Philmac & Vinidex								
529		Plasson								
530		Talbot								
531		Alprene								
532		Iplex								
533		Viadux								
534		Hydroflow / SAB S.p.A	SAB Black Nut Blue Seal							
535		Viega	Geopress K							
536		Zetco TOF								
537	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	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	Accepted where PE pipes are approved to be used for DN63 and DN110	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
538		Georg Fischer	ELGEF Plus Draw - Lock							
539		Friatec / Vinidex	Frialen	Up to DN630						
540		Agru	Agru	Up to DN630						
541		Fusion Group / FusionPlast	Fusamatic	Up to DN630						
542		NUPIGECO	Eloft	DN20 to DN710						
543		Hydroflow / Plastitalia S.p.A	PLAST	Up to DN630						
544		Mako	Mako	Up to DN630						
545		Simona / Plasson	Simona	Up to DN500						
546		David Moss Corporation	DAMOS	Up to DN1000						
547	Fusion QLD	Flo Right	Up to DN450							
548	Guangdon Liansu / Crew Pipelines	Lesso	DN63 - DN355							
549	208 DN63 and larger 2.(a) AS/NZS4129 or EN 1555 or EN 12201 or EN 13244 is acceptable. HSCR compounds shall comply with AS/NZS 4131 and POP016. 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	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	
550	216 4.1 - PN16 Minimum 4.2 - Electrofusion and butt weld 4.3 - Compliance with AS/NZS 4129 & POP006 4.4 - Fittings include: reducers, stub flanges, end caps, reducing tees and sweep bends	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	
551		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
552	No WSA PS	Viega	Propress	DN15-DN100		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
553		MM Kembla	KemPress				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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
554	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	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
555		Plasson		DN80 / DN100	DN90 riser with slotted flanges suit both DN80 & DN100 flanged hydrants				Use of stub flanges is subject to acceptance by SP		
556		Iplex		Up to DN355	Full face full bore connections				Use is subject to acceptance by SP		
557		Friatec / Vinindex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required				Use is subject to acceptance by SP		
558		Fusion Group / FusionPlast	Fusamatic	DN90 to DN 450					Accepted where PE pipes are approved to be used Only DN125 – DN355 accepted		
559		David Moss Corporation	DAMOS	Up to DN355					Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
560		Rodney / Vinindex	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		
561	PE scour Tees	Vinindex / Rodney			Comply with AS4129	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP			
562		Kingston Bridge / Iplex									
563	Air valves	ARI Flow control		DN20-DN200	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.	DN40 and DN50 BSP threaded to have Brass base.	Use is subject to acceptance by SP		
564		Bermad									
565		Vent-O-Mat									
566		AVFI	DAV-MH								
567		ISCO	Vent Master PX								
568	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.	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
569		Dobbie Dico	Dobbie Dico	DN80-DN900							
570		AVK	AVK Swing Check Valve 41/25	DN50							
571		AVK	AVK Swing Check Valve 41/8X	DN80-DN300							
572		Challenger Valves	Challenger - RSSC	DN80-DN375							
573		AVFI Pty Ltd	AVFI - RSSC	DN50-DN300							
574	Non-return valves - free acting (without counterweight) Swing Check	HMA Valveco	Valmatic Swing-flex	DN50 - DN600	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	NOT ACCEPTED BY SP	
575		Dobbie Dico	Dobbie Dico	DN80-DN900							
576		AVK	AVK Swing Check Valve 41/25	DN50							
577		AVK	AVK Swing Check Valve 41/8X	DN80-DN300							
578		Challenger Valves	Challenger - RSSC	DN80-DN375							
579		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300							
580	Pressure reducing valves	Bermad Water Technologies	Bermad	DN40 - DN900	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	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).	
581		Singer / HMA Valveco	Singer								
582		Plasson Australia Pty Ltd	Plasson C-Valve								
583		Dorot Australia Pty Ltd	Dorot 300 Series								
584		Cla-Val Pacific / Challenger	Cla-Val	DN25-DN1200							
585	Pressure sustaining valves and altitude valves	Bermad Water Technologies	Bermad	DN 40 - DN900	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	
586		Singer / HMA Valveco	Singer								
587		Dorot Australia Pty Ltd	Dorot 300 Series	DN25-DN1200 (Sustaining)							
588		Cla-Val Pacific / Challenger	Cla-Val	DN-80-DN1200 (Altitude)							
589	PE Flex Restraint Fitting (used as puddle flange)	Georg Fischer		Up to DN1600	E-F type follow manufacturer's requirements.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP			
590		Plasson		Fits DN160 to DN1600 PE Pipe	PE100/ PE4710 resin				Use is subject to acceptance by SP		
591	Mechanical Restraining Flange for PE Pipe	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	
592	Dismantling joints for Flange Pipe and Fittings	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	Dismantling joints shall be restrained type only and for Meter Assemblies only. Use of uni-flange is subject to acceptance of SP.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
593		Viking Johnson									
594		Valveco	Uni-Flange Adaptor	DN50-DN500							
595		Hygrade Water	Pipemate	DN80-DN900							
596		AVFI	AFD10 Series	DN80-DN1200							
597		AVFI	AFD20 Series	DN80-DN1200							
598	Flowmeter - Network Meter	ABB	ABB			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	ABB Water master	
599		Siemens	Siemens							NOT ACCEPTED BY SP	Use is subject to acceptance by SP
600		E & H	E & H							E & H Promag W400	NOT ACCEPTED BY SP
601		Emerson	Emerson						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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
<b>Category: WATER SERVICES</b>											
602											
603	Tapping bands for DI & PVC pipes 310 4.1 - DN100 to DN300 4.2 - Without Electrical Isolation 4.3 - Female Rp thread to AS ISO 7.1	Viadux			Gunmetal - Positive stops				SP USE ONLY	RMC tapping band also accepted on AC pipe	
604		Gatic / Milne									
605		RMC									
606		4N Products & Stockbrands	4N	DN100, 150, 200	Positive stops, coloured blue	NOT ACCEPTED BY SP					
607	Tapping bands for PE - mechanical 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	Gatic / Milne		DN63-DN315	Gunmetal - Positive stops Only for where E-F saddles are not practicable	NOT ACCEPTED BY SP				NOT ACCEPTED BY SP	
608		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				SP USE ONLY		
609		Hawle / Hygrade Water	Haku	DN63 - DN315	Ductile iron lower half	Accepted where PE pipes are approved to be used		Use is subject to acceptance by SP		NOT ACCEPTED BY SP	NOT ACCEPTED BY SP
610		Hawle / Hygrade Water	Haku	DN280 - DN500	Stainless steel strap lower half. For min PN16 (SDR11) pipes						
611		Derwent	Uniclamp	DN125 and DN180	Only for where E-F saddles are not practical						
612	Under pressure Tapping Valve for PE - mechanical 327 4.1 - Pipe DN63 and larger (see WSA PS 207) - Off-take ID 20 mm minimum 4.2 - PN16 minimum 4.3 - Female Rp thread to AS ISO 7.1 4.4 - Without electrical Isolation	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			
613	Tapping saddle for PE - electrofusion 329 329.2.(a) - EN Standards accepted 4.1 - Pipe DN63 and larger (see WSA PS 207) - Off-take ID 20 mm minimum 4.2 - PN16 4.3 - Combined Saddle and Outlet off-take with integral cutter/shut off 4.4 - Without electrical Isolation	Plasson		DN63, 90, 125 & 180		Accepted where PE pipes are approved to be used.					
614		George Fischer							SP USE ONLY	Accepted for DN63 and DN110	
615		Friatec / Vinindex	Frialen			Comply with AS4129 PN16	Use is subject to acceptance by SP			Flanged saddles are not accepted by SP	Flanged saddles are not accepted by SP
616		Fusion Group / FusionPlast	Fusamatic	Up to DN355			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
617		Hydroflow	Plastitalia	Up to DN315							
618	Tapping saddle for PE - Electrofusion - High Stress Crack Resistant (HSCR) 329 329.2.(a) - EN Standards accepted 4.1 - Pipe DN63 and larger (see WSA PS 207) - Off-take ID 20 mm minimum 4.2 - PN16 4.3 - Combined Saddle and Outlet off-take with integral cutter/shut off 4.4 - Without electrical Isolation	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	
619	Ferrules - TPFNR Bonnet Ferrule Cocks No WSA PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688. 2 - PN16 with ability for under pressure tapping 3 - Male R thread to AS ISO 7.1 4 - Outlet fitting PE to WSA PS 207 or Copper to WSA PS 214 5 - DN50 to include 90 degree bend with union connection to AS3688 at outlet	Gatic / Milne									
620		Elster			Dezincification resistant material and comply with AS/NZS 3688				SP USE ONLY		
621		RMC									
622	Ball valves - Water Service 274 4.1 - PN16 minimum 4.2 - Plastic not permitted, Body and Handle to be DR copper alloy 4.3 - By accepted product 4.4 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 or PE Compression 4.5 - 90 Degree closure with minimum 50 mm handle for meter. 4.6 - Water Supply Property Service	All Valve	Airaga			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		
623		Elson	Elson						Use is subject to acceptance by SP		
624		Gatic / Milne									
625		Elster			DN20	Dezincification resistant material and comply with AS/NZS 3688	Accepted for DN20 & DN25	Accepted for DN20 and DN25 at meter end of services	Accepted for DN20 & DN25		Ball valves must be capable of being locked by the customer with their own padlock.
626		RMC									
627		Zetco TOF					Ball Valves with integral PE connections shall have a Copper Alloy body and a Copper Alloy compression nut for the pipe connection	Use is subject to acceptance by SP			
628		Strongcast	Strongcast					Accepted for DN20 and DN25 at meter end of services			
629		Austworld	LOGI VALVE								
630		Galvin Engineering	Galvin					Use is subject to acceptance by SP		Not accepted for water services which must be lockable. Accepted in other situations.	
631	Union stopcock 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	Gatic / Milne									
632		Elster			25 mm Dezincification resistant material and comply with AS/NZS 3688	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP			
633		RMC									
634	Slip Coupling No WSA PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3565.1, 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 - Coupling to have 5mm to 20mm movement with locking nut	Elster		DN20 and DN25		DN25 only is accepted					
635		All Valve Industries			Dezincification resistant material and comply with AS/NZS 3688.	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	
636		RMC		DN20	Shall have a locking nut and a metallic stopper to prevent moving apart or kinking between the moving parts						
637		Strongcast									
638		Austworld				Both configurations of individual and combined with ball valves are accepted					
639	Transition couplers 208 or 247 Up to DN63 2.(a) - AS/NZS4129, EN1254 or equivalent acceptable Certification 4.1 - PN16 minimum 4.2 - Mechanical Polyethylene 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 not used 4.4 - Flange not used 4.5 - SBR & EPDM	Plasson								Push fitting not accepted by SP	
640		Georg Fischer			PE electro-fusion to BSP connections						
641		Friatec / Vinindex			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			
642		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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
643	PE mechanical compression fittings for Small Diameter Water Service pipes	George Fischer			PE to PE or PE to BSP. Push fit type is not accepted. 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		Talbot fittings not accepted. Push type fittings only accepted with the approval of Unitywater.
644		Philmac / Philmac & Vinindex		DN25 to DN63						
645		Plasson								
646		Elster	TITA	DN25						
647		Zetco TOF		DN25-DN63						
648		Talbot								
649		Alprene								
650		Iplex								
651		Viadux								
652		NUPIGECO	Elopress							
653	Austworld	LOGI CIVIL	DN25 & DN 32							
654	Hydroflow / SAB S.p.A	SAB Black Nut Blueseal	DN25 to DN63							
655	Viega	Geopress K	DN25 - DN63							
656	Meters - 20 mm (direct and sub-metering applications)	Elster	V100 (PSM-T) (WM202PD)		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
657		Elster	V200							
658		Itron	TD8							
659		RMC	WM273MRP multijet							
660		RMC	WM281MRP multijet							
661	GVT	TPWM								
662	Meters - 25 mm (direct and sub-metering applications)	Elster	V100 (PSM-T) (WM252PD)		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
663		Elster	V200							
664		Itron	TD8							
665		RMC	WM271MRP multijet							
666		RMC	WM273MRP multijet							
667	Meters - 32 mm (direct and sub-metering applications)	Elster	V100 (PSM-T)		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only accepted for above ground installation	NOT ACCEPTED BY SP
668		Elster	V200							
669		Itron	TD8							
670		RMC	MRP							
671	Meters - 40 mm (direct and sub-metering applications)	Elster	V100 (PSM-T)		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Horizontal and Vertical orientation Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Testable backflow prevention device required
672		Elster	V200							
673		Itron	Flostar M							
674		RMC	WM400 / V100 (PSM-T)							
675	Meters - 50 mm and larger (direct and sub-metering applications)	Elster	H4000 Woltmann		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Horizontal and Vertical orientation 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	Above ground installation with external top accessible (basket type) inline strainers
676		Elster	H5000							
677		Arad / RMC	Woltman Silver Turbo							
678		Itron	Flostar M							
679		Itron	Woltex							
680	Inline Strainer	Elster	Kent H4010 Strainer	Up to DN150	PN16 FI-FI Top entry basket Type	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only Flat-top accepted	
681		RMC		Up to DN150						
682		Hydromet		Up to DN200						
683		Virginia Metals		Up to DN200						
684	Y Strainer	Emerson	VALVCHEQ	DN65 - DN300	PN16 Fusion bonded epoxy coated ductile iron	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 Ductile Iron is preferred
685		AVFI	AS105F Cast Iron Y Strainer	DN50 - DN300						
686	Flowmeters	Arad Ultrasonica / RMC	Octave		Purple body for non-drinking water. Accuracy Class 1 or Class 2. Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	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.	NOT ACCEPTED BY SP	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
687		Siemens Eletromagnetic	Siemens Mag 8000 Advanced							
688		Siemens Ultrasonic	Siemens							
689		E & H Electromagnetic	E & H Promag W400							
690		E & H Ultrasonic	E & H							
691		Emerson	Emerson							
692	ABB	WaterMaster AquaMaster								

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
693	Automatic Meter Reading (AMR) Systems (sub-metering applications)	Enware	Enware		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
694		Epitomy	Epitomy							
695		Utility Technology	Utility Technology							
696		Halytech	Spider							
697		Ausmeter	Ausmeter							
698		Itron	Everblu							
699	SUMS	Vivid Multi Logger								
700	Meter boxes	Everhard Industries		368L * 271W * 316D (for 20 mm meters only)	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.
701		Everhard Industries		492L * 271W * 316D						
702		Draper		440L * 275W * 280D						
703		Strongcast		427L * 267W * 316D						
704		All Valve Industries	AVMB	445L * 288W * 320D						
705	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	
706	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
707		Bermad	Cia-Val							
708		Hydroflow Distributors	Watts							
709	Pre-assembled dual meter boxes	Elster		DN20	Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy All components shall be approved fittings No Slip couplings	Install pre-assembled dual boxes as per SEQ-NDW-2303-1 and 2304-1	NOT ACCEPTED BY SP	Install approved pre-assembled boxes as per SP requirements	NOT ACCEPTED BY SP	Use is subject to acceptance by SP
710		Civilmart								
711		RMC	KIT235 WMKIT235							
712	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, supplied on request only	Install approved pre-assembled boxes as per SEQ-WAT-1110 set	Install approved pre-assembled boxes as per SP requirements	NOT ACCEPTED BY SP	V200 meter only. No slip coupling
713		Elster								
714		Civilmart								
715		RMC	KIT236 WMKIT236							
716		All Valve	AVMB-2BSP/TD8 AVMB-2PE/TD8							
717	Sub-meter assemblies - wall mount brackets	Elster	46492-00	DN25	Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy For wall bracket assemblies the wall bracket shall be stainless steel rigid type	Only 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
718		Austworld	SMK06							
719		Elster	46491-00							
720		Civilmart		DN20						
721		All Valve	SMA20M							
722		Strongcast	SCMLM20							
723		Austworld	SMK telescopic SMK05							
724		RMC	KIT227							
725		RMC	KIT227Q							
726	Dual Check valves for Meter assemblies DN40 and Larger	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	Use is subject to acceptance by SP
727		Hydroflow Distributors	Watts							
728	Reduced pressure zone device (RPZD), Reduced pressure detector assembly (RPDA)	LWG Zurn	Model 375						Any brand with ISO Type 5 product certification to AS2845 is accepted	UW prefers RP03 RPZ
729		RMC								
730		Emerson / ValvCheQ	RP03							
731		Hydroflow Distributors	Watts							Use is subject to acceptance by SP
732	Pressure Limiting Valve for Water Services	RMC		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	
733		NEFA								
734		Hydroflow Distributors	Watts							

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements (Version 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater
<b>Category: WATER SUPPLY MISCELLANEOUS ITEMS</b>										
735		Boddingtons								
736		Tapex								
737		LWG Zurn								
738	Detectable marker tape	Rain Harvesting	421			Use is subject to acceptance by SP				
739		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
740										
741	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					
742	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					
743		Crevet								
744		Iplex								
745	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.
746		Viadux								
747		Pipemakers				Use is Subject to acceptance by SP		Use is Subject to acceptance by SP	Use is Subject to acceptance by SP	
748	Embedment material - crushed rock									
749	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
750	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		
751	Concrete				Normal class					
752	Security fencing	No WSA PS			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.
753	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					
754			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	
755	Plastic marker post	Park International		1350 mm Long x 100 mm Wide x 4 mm Thick	As per SEQ-WAT-1300-2					
756	Kerb Markers				As per SEQ-WAT-1300-1					Only Brass markers accepted
757	Camlock	No WSA PS			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 7.2 July 2020)	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	Urban Utilities	Unitywater	
758	<b>290</b> 4.1 - 600 x 900 mm (Min.) 4.2 - Solid top, Sealed Type 4.3 - 600 x 900 mm Clear Opening (Min.) 4.4 - Class B for non-trafficable areas and Class D for trafficable areas 4.5 - Lifting Key as per Standard Drawings 4.6 - Markings to AS3996 Clause 1.6 (a) to (f). 4.7 - Hinged (Unitywater requires non-hinged access cover) 4.8 - Standard Packaging and Delivery 4.9 - As per Standards 4.10 - Standard Coating 4.11 - Bolt down requirement by design 4.12 - Weatherproof (sealed) Aluminium 4.13 - Rocking of cover in frame not permitted	McBems (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	
759		Gatic									
760		Civilmart									
761		Webforge									
762		Hygrade									
763		EJ									
764		Durham									
765		Ducast									
766	Mass Products										
767	<b>292</b> 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	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	
768		EJ									
769		Terra Firma									
770		ACO SAKU									
771	<b>No WSA PS</b> 4.1 - Two component solvent free polyurethane 4.2 - Suitable for provision of single coats >=0.6mm thick 4.3 - Excellent stated resistance to Sulphuric Acid via Test results 4.4 - Minimum 15 minute Pot Life at 20 degrees C 4.5 - Light coloured 4.6 - Applied to manufacturers requirements 4.7 - Combined 10 year warranty from Applicator and Manufacturer	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)	
<b>Category: EMERGENCY STORAGE CHAMBERS</b>											
773	<b>402</b> 2.(a) - WSA 129:2011 (or equivalent) 4.1 to 4.4 - Requirements to be specified by SEQ-SP on a case-by-case basis.	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	
774		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	
775		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			<b>NOT ACCEPTED BY SP</b>	
776		Rocla				Use is subject to acceptance by SP					
777		Chemstore Group	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 Accepted with condition of 30 Year Warranty & Providing access opening of larger size about 1200 mm opening
778		Aquatec Fluid Systems	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		
779		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
780		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 Accepted - Minimum 20 year warranty