

A	B	C	D	E	F	G	H	I	J	K		
Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater		
<p>Notes: WSAA Product Specification WSAA Product Specifications are available from www.wsaa.asn.au . Section 4 of the WSAA Product Specifications is for "Agency or Project Specific Requirements". The SEQ requirements are specified below. Manufacturer/Supplier Products may be sourced from alternative Suppliers than those listed provided that the products are manufactured by a Manufacturer whose name, and the products' trade name, appear on the list. Size Range Size ranges need to be read in conjunction with the relevant clauses of the SEQ versions of the WSAA Codes (e.g. Water Supply Code Clause 3.1.1; Sewerage Code Clause 10.6; Pressure Sewerage Code Clause 4.5.3.1; etc.) Blank Cells In the five columns under the service provider's names cells that are blank indicate that the product listed on that row are acceptable to the service provider. 'Use is subject to acceptance by SP' Contact the service provider to determine if the use of this product is acceptable in the proposed circumstance. 'Flange' All flanges used for pressure systems shall be PN16 or PN35 complying with AS4087.</p>												
Category: SEWERAGE PIPES AND FITTINGS - NON PRESSURE												
1	PVC-U pipe and fittings - DWV system	230 4.1 - Plain Wall 4.2 - Elastomeric Seal 4.3 - Stiffness as per 230.2.(c) or as required by SP 4.4 - RRJ @ SBR & EPDM	Iplex Vinidex Viadux Micron Pipelines Pipemakers	DWV PIPE DWV SEWER D-FLO Micron Pipelines Pipemakers	DN100 150 225 300 375 DN100 - DN300	Plain wall only accepted	DN100 at SN6 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	DN100 at SN6 minimum, DN150 and larger at SN8 and Moulded Fittings at SN6 minimum	Use is subject to acceptance by SP Use is subject to acceptance by SP	DN100 at SN10, DN150 and larger at SN8 and Fittings at SN8 minimum	
2	PVC-U Pressure pipe Sewer using Standard DWV JUNCTIONS	211 4.1 - PN12 4.2 - Deep Sewers or Minimum Cover 4.3 - Standard Packaging & Delivery 4.4 - Series 1 4.5 - RRJ @ SBR & EPDM	Iplex Vinidex Viadux		DN150 225 300		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Mandatory for sewers deeper than 3 metres and for sewers with minimum cover All details to be confirmed with SP	
3	DI pipe	202S 4.1 - PN16 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 - Zinc/Bitumen coating or 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	Polyurethane internal protection			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
4			200 and WSAA TN6 4.1 - PN35 4.2 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.3 - CAC cement lining 4.4 - Zinc/Bitumen coating 4.5 - By design 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	Viadux	Tytonxtreme	DN100 - 750	CAC cement lining	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Accepted in applications where DI pipe is specified e.g. building over sewer applications	NOT ACCEPTED BY SP
5				Crevet / Iplex	Ironite	DN100 - 750					Use is subject to acceptance by SP	
6	Steel pipe	203 4.1 - By design and PN16 min 4.2 - SEQ Code nominal DN's 4.3 - Seal coat not required for sewage 4.4 - Extra protection by design 4.5 - Joints by design to SEQ Code Standards	Steel Mains	Sintapipe		Internal lining would be required, either Epoxy or Sintaline			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Sintapipe accepted in applications where steel pipe is specified.	
7	Polypropylene (PP) pipe	240 4.1 - Type B - ID Series 4.2 - SN10,000 4.3 - RRJ @ SBR & EPDM	Vinidex	SewerPRO	DN150 - 900						NOT ACCEPTED BY SP	
8			Iplex	SewerMAX	DN225 - 600							
9			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	
10	PE pipe - NuSewers	207 4.1 - Minimum PN8 SDR21 PE100 4.2 - Gravity Sewer fully welded 4.3 - Pipes lengths for DN160 and larger with coils accepted for DN110 4.4 - External colour light grey Solid or Striped with Internal colour white or light colour, see POP203 4.5 - PE100 only	Iplex	POLIplex	DN110 160 250 315 400 500 630 800 1000 1200							
11			Vinidex	Sewertech								
12			DMG	Hi-Vis								
13			Viadux	SewerFlex								
14			Enviropipes	Enviropressure								
15	PE fittings - Moulded	208 4.1 - PN10 preferred 4.2 - Electrofusion or butt welding 4.3 - Couplings and Saddles 4.4 - Bolting Flanges not required. 4.5 - Elastomeric Seals not permitted And Electrofusion fitting Standards AS4129, EN1555, EN12201, EN13244-4	George Fischer / Iplex									
16			Friatec / Vinidex									
17			Plasson	Lightfit								
18			Agru	AGRU								
19			Fusion Group/FusionPlast	Fusamatic	Up to DN630	Electrofusion fitting to be long type.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP.	Use is subject to acceptance by SP	
20			NUPIGECO	Elofit	DN110 to DN630						Use is subject to acceptance by SP	
21	PE fittings - Fabricated	216 4.1 - PN10 preferred 4.2 - Electrofusion or butt welding Including Sweep Bends, MH Connectors, Sediment Traps, Tee and Bends for drop pipes and Sweep Junctions.	Vinidex Iplex			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			
22	VC pipe	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	
23			Steinzeug Keramo	Keramo								
24			Naylor / Rocla	Denlok								
25	DI IO bends or X Drop fitting	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								Use is subject to acceptance by SP	
26			Viadux								NOT ACCEPTED BY SP	
27	Metal-banded flexible coupling	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							
28			DEKS	DEKS shear banded coupling	DN100 to DN225					Use is subject to acceptance by SP	Use is subject to acceptance by SP	
29	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 And SS316 bolts, nuts and washers	Viadux	Gibault - Ezigib & Varigib	DN80 to DN600							
30			Crevet	Gibault & Universal								
31			AVK	Gibault & Universal								
32			Viking Johnson	MaxiFit & QuickFit								
33			Derwent									
34			DEKS	DEKS FLEXI-GIB						Use is subject to acceptance by SP		

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1										
47	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
48		Humes								
49	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					Use is subject to acceptance by SP	Use is subject to acceptance by SP Coupling Grade 316 Stainless Steel (min.)
50		Global Pipe	Al Watani	DN200 to 2600						
51	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
52		205S 4.1 - As per product 4.2 - PN1 4.3 - SN10,000 minimum 4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH Couplings 4.5 - Soc-Sp RRJ 4.6 - Standard Glass 4.7 - SBR & EPDM	Flowtite / Iplex	Flowtite	DN300 - DN3000					
53	FW-GRP (filament wound) pipe and Fittings - Sewer Pipe		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
54			Superlit / Clover Pipelines	Superlit	DN300 - DN3000					
55		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					
56	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
57			Superlit / Clover Pipelines	Superlit	DN400 - DN1400					
58	FW-GRP (filament wound) pipe and Fittings - Jacking Pipe		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
59			Iplex	Flap valve	DN50 to DN300					
60				Reflux valve fabricated	DN100					
61	Non-return valves	No WSA-PS	Vinidex	Flap valve	DN50 to 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
62			Hygrade Water	WaStop Non-return valves	DN75 to DN200					
63			Fluid Control	Red valve - Tideflex check valves	DN50 to DN2400					
64			Pentair	Keystone						
65			Challenger	Challenger						
66			AVFI	AVFI						
67	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
68			AVK (Note: This is the only vendor complying with 316 SS throughout)	AVK					Use is subject to acceptance by SP	
69	Knife gate valve - Fabricated Stainless Steel	266 4.1 - PN1 4.2 - Lugged 4.3 - Clockwise closing, rising spindle (Note: This is a low pressure type gate valve, suitable only for sewer isolation etc.)	Australian Water Engineers	Australian Water Engineers	DN700 to DN1200	Body, Gate, Gland Follower, Spindle and Yoke / Pillar / Bridge stainless steel Grade 316. Seat EPDM. All fasteners stainless steel Grade 316.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
70			Pentair	Keystone						
71	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.	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
72			AVFI	AVFI						
73			AVK	AVK						

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Category: SEWERAGE PIPES AND FITTINGS - PRESSURE										
74										
75	209 4.1 - PN16 4.2 - Sewer Rising main 4.3 - Series 2 only 4.4 - Cream refer POP203 4.5 - SBR & EPDM	Iplex	BLUERHINO	DN100 150 200 225 250 300 & 375			Use is subject to acceptance by SP		Use is subject to acceptance by SP	NOT ACCEPTED BY SP
76		Vinidex	Hydro							
77		Viadux	TUF-FLO							
78		Micron Pipelines	Micron Pipelines	DN100 - DN300						
79		Pipemakers	Pipemakers Enviromain							
80	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203 4.5 - SBR & EPDM	Iplex	ApolloBLUE	DN100 150 200 225 250 300 & 375				Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Use is subject to acceptance by SP
81		Vinidex	Supermain							
82		Micron Pipelines	Micron Pipelines	DN100 - DN375						
83	200 and WSAA TN6 4.1 - All Pressure Classes - see Column F 4.2 - Seal Coat not required for Sewerage 4.3 - Cement Mortar Linings - see Columns F-K 4.4 - 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, including those with a zinc-aluminium alloy coating, unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Viadux	Tytonxcel	DN250 - 750 (not 225)	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 within 5.0 metres of the HGL at pump stop. Alternative non-corrosive lining or pipe and fittings required. Use of Vinidex LINX and ZAP products is subject to acceptance 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 Vinidex LINX and ZAP products is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	PN20 NOT ACCEPTED BY SP
84		Vinidex	LINX-GP							
85		Vinidex	ZAP-GP							
86		Viadux	Tytonxtreme							
87		Vinidex	LINX-HAC							
88		Vinidex	ZAP-HAC							
89		Viadux	Tytonxcel							
90		Crevet / Iplex	Irontite							
91		Vinidex	LINX-GP							
92		Vinidex	ZAP-GP							
93		Viadux	Tytonxtreme							
94		Crevet / Iplex	Irontite							
95		Vinidex	LINX-HAC							
96		Vinidex	ZAP-HAC							
97		Viadux	Tytonxcel							
98	Vinidex	LINX-GP								
99	Vinidex	ZAP-GP								
100	Viadux	Tytonxtreme								
101	Vinidex	LINX-HAC								
102	Vinidex	ZAP-HAC								
103		Saint-Gobain	Integral Zinalium	DN100 - DN750 (not 225)	PN35 with CAC lining; Flange Class with CAC lining					Use is subject to acceptance by SP
104	DI Pipe - ISO	VonRoll / Reece	Ducpur/ Ecoapur	DN80 - 700	Polyurethane internal protection	Detector Tape for ISO Pipe spirally wound along pipe and over PE sleeve on Zinc/Bitumen 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
105	DI fittings - bends, tapers, tees/branches, connectors, risers & caps/blank ends	Viadux	Tyton Joint	Up to DN750 (not 225)	Thermal bonded polymeric coating is the standard material in WSA PS 201 and WSA PS212					Restraint joint seals not suitable for: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (incl Tytonxtreme pipe); Other manufacturers sockets or other pipe materials. Use of Restrained Joint Rubber Rings (Tyton-lok) subject to acceptance by SP.
106		Crevet / Iplex	Crevet	Up to DN750 (not 225)						
107		Vinidex	Superlink	Up to DN750 (not 225)						
108		Derwent		Up to DN750 (not 225)						
109		Gillies		DN100 & DN150						
110		Himgiri Castings/Galvin Engineering / CivilPipes	Galvin	DN80 to DN300						
111		Dobbie Dico	Dobbie	DN100 to DN250						
112	Mallet	Mallet	DN80 to DN750							
113	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.)
114	316 SS repair and flanged off-take clamps	Crevet		DN100 to DN300	Min. PN16, Approved on DI and CI host pipes only, to Pipe manufacturers specifications	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
115		Viadux	Wang	DN100 to DN300						
116		Cascade Control	Rapid Clamps	DN40 to DN350						
117	Flange (DI) off-take clamps	Hawle / Hygrade Water	Haku	DN125 to DN355	For use on PE pipe only, installed and commissioned in accordance with manufacturers recommendations	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
118	Metal-banded flexible couplings - Vacuum Valve coupling use only	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
119		DEKS	DEKS shear banded coupling	DN100 to DN225						
120	DI mechanical couplings - Non End Thrust Restraint	Viadux	Gibault - Ezigib & Varigib							
121		Crevet	Gibault & Universal							
122		AVK	Gibault & Universal							
123		Viking Johnson	MaxiFit, QuickFit							
124		Derwent								
125	DEKS	DEKS FLEXI-GIB	DN80 to DN600							

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126	DI mechanical fittings - End Thrust Restraint (Gripper Type)	271 for DI, 245 for PE 4.1 - PN16 4.2 - DI and PE 4.3 - Short and Long Series 4.4 - Straight and Stepped and Flange Adaptor 4.5 - All DN Range options 4.6 - Flange Figure as specified with SS316 bolts, nuts and washers 4.7 - SBR & EPDM & Nitrile And SS316 bolts, nuts and washers	Hawle / Hygrade Water	System 2000 for PE Synoflex PN16 Restraint for AC, PVC, DICL, SCL, PE	DN50-DN300				Only accepted for use where welded joints are not practical Use of Synoflex is not accepted on PVC and GRP pipe materials	Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations The use of gripper type fittings on AC, PVC, DI and SCL pipe is subject to acceptance by SP	
127		AVK	Supa Plus Restraint for PE								
128		+GF+	Multijoint 3000 Plus restraint type for AC, PVC, DI, SCL, PE								
129		Viking Johnson	Aquafast and Aquagrip Restraint for PE								
130	DI flanged telescopic flexible fitting	No WSA-PS Aligned to WSA_PS 201 and 270 with Flanges to AS 4087 Figure B5 To comply with WSA PS-201S when published	Hawle / Hygrade Water WSA PA 12/09	Vario	DN50 - DN200				Use is subject to acceptance by SP		
131	Dismantling joints for Flange Pipe and Fittings	201 4.1 - FI-FI for DJ & F/Sp for UniFlange 4.2 - Thrust type and non-thrust type minimum PN16 4.3 - Thrust Restraint by Fitting 4.4 - SBR & EPDM	Viadux		Thrust restraint type and non-thrust type are Flanged to AS4087 PN16. SS316 bolts, nuts and washers. Larger sizes of UniFlange shall be assessed for available Fitting PN vs Pipeline Test Head.	Restrained type only NOT ACCEPTED BY SP Use is limited - refer to SP for advice NOT ACCEPTED BY SP Restrained type only			Use is subject to acceptance by SP	Use is subject to acceptance by SP	
132		Valveco	Uni-Flange Adaptor	DN50-DN500							
133		Hygrade Water	Pipemate	DN80-DN900							
134		AVFI	AFD10 Series	DN80-DN1200							
135	PE pipe	207 4.1 - PN16 4.2 - Sewer Rising main 4.3 - Coil pipe permitted up to DN125 with Pipe lengths for larger DN 4.4 - Cream refer POP203 4.5 - PE100 only	Iplex	POLIplex	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 SS316 tracer wire. Pipe wall thickness to be designed for installation forces.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	PE is preferred pipe material - PE shall be used unless specific site conditions dictate otherwise.	PE is preferred pipe material
136			Vinidex	Sewertech							
137			DMG	Hi-Vis							
138			Viadux								
139			Poly Pipe	SewerFlex							
140			Cromford	Identipipe							
141			Enviropipes	Enviropressure							
142			ACP	ACP							
143	PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	207, POP016 4.1 - PN16 minimum 4.2 - Sewer Rising main 4.3 - Coil pipe permitted up to DN125 with Pipe lengths for larger DN 4.4 - Cream refer POP203 4.5 - HSCR PE100 only	Iplex	Millennium HSCR PE	DN40 50 63 90 125 180 250 315 355 450 560 630 800	For directional drilling and pipe bursting installations, minimum SDR 9 (PN20 HSCR PE100) unless specified otherwise and install with SS316 tracer wires. Pipe wall thickness to be specified as normal PE100 as such "extra" strength should be provided.	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
144											
145	PE fittings	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, Flange stubs 4.4 - Flanges & SS backing rings to AS/NZS 4087 Fig B5 or B7 4.5 - SBR & EPDM	George Fischer		DN63XDN32 to DN350XDN90	Electrofusion fitting to be long type. Stub flange only to 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	Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP	
146			Friatec / Vinidex	Frialen							
147			Plasson								
148			Agro	AGRU							Up to DN630
149		Fusion Group / FusionPlast	Fusamatic	Up to DN630						Use is subject to acceptance by SP	
150		NUPIGECO	Elofit	DN20 to DN710							
151	Full face PE flanges	208 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	Plasson		DN80/DN100	Slotted flanges & backing rings suit both DN80 and DN100 to WSA 98/50	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 of stub flanges is subject to acceptance by SP
152			Iplex		Up to DN355	Full bore connections					
153			Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					
154		216 4.1 - PN16 4.2 - Electrofusion and butt weld	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		
155	Steel pipe	203 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Seal Coat not required 4.4 - Sintakote minimum for above ground 4.5 - Joint requirements by Design 4.6 - Cathodic Protection by Design 4.7 - Standard pressure tests 4.8 - Sintapipe lining 4.9 - SBR & EPDM 4.10 - Sintakote minimum	Steel Mains	Sintapipe	DN324 - 813	RRJ unless otherwise approved	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 DN610 minimum size	Use is subject to acceptance by SP	Use is subject to acceptance by SP
156	Stainless Steel Pipe	No WSA-PS WSAA Materials Fact Sheet No:2 Selection of Stainless Steels 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
157	Resilient seated gate valves, thermal bonded polymeric coating	260 4.1 - PN16 4.2 - All End configurations accepted 4.3 - Integral By-pass on DN450 and larger (Unitywater accepts either integral or constructed by-pass as per job specification) 4.4 - Gear Box on DN600 and larger 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 DN200 Up to DN300 Up to DN300 DN450 to 600	For PE pipes PE gripper Sluice Valves by Hawle E2 System 2000 or AVK Supa Plus Coupling Series 01/70 or equal Sluice Valves with PE stubs for electrofusion acceptable. Some valves may not need by-pass (check with SEQ SPs).	DN600 and larger valves shall be DeZurik Eccentric Plug Valves			Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.	
158			Hawle	E2							
159			Viadux	Series 500 Auslite II	DN200 - DN300						
160			Karon / Challenger	Karon	DN80 - DN600						
161			AVFI								
162			Betta	BETTA	DN100 - DN375						
163			AAP Industries	Maxiflo/appFLO	WSAA Appraisal 11/26 Issue 2						
164			Derwent Industries	Derwent	WSAA Appraisal 1511						
165	DAEMCO		WSAA Appraisal 1517 (10/05/16)	Use is subject to acceptance by SP				Use is subject to acceptance by SP			
166	Ball Valves	274 4.1 - PN16 4.2 - Body material: 316 stainless steel 4.3 - by product 4.4 - BSPT thread 4.5 - Clockwise closing	Pentair / Viadux	Keystone	Up to DN50	BSPT threaded connections Suitable for sewage					

	A	B	C	D	E	F	G	H	I	J	K	
	Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater	
167	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	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 Coupling - Grade 316 Stainless Steel (min.)	
168	FW-GRP (filament wound) pipe and Fittings - Sewer Pipe	205S 4.1 - As per product 4.2 - PN1 4.3 - SN10,000 minimum 4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH Couplings 4.5 - Soc-Sp RRJ 4.6 - Standard Glass 4.7 - SBR & EPDM	Flowtite / Iplex	Flowtite	DN300 - DN3000	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 Coupling - Grade 316 Stainless Steel (min.)	
169			Global Pipe	Fiberstrong	DN300 - DN4000							
170			Superlit / Clover Pipelines	Superlit	DN300 - DN3000							
171	Flowmeter - Network Meter	No WSAA PS 4.1 - Flange to AS4087 Figure 5 4.2 - PN16	ABB	ABB				Use is subject to acceptance by SP		NOT ACCEPTED BY SP	ABB Water master	
172			Siemens	Siemens				Use is subject to acceptance by SP		NOT ACCEPTED BY SP	Use is subject to acceptance by SP	
173			E & H	E & H					E & H 53W		E & H Promag W400	Use is subject to acceptance by SP
174			Emerson	Emerson				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	

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Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
Category: SEWERAGE MISCELLANEOUS ITEMS										
175										
176	290 4.1 - DN600 4.2 - Round Solid Top (Conc Infill - QUU only) Watertight Type 'd' 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Rocking of cover in frame not permitted 4.6 - Lifting Key as per Standard Drawings 4.7 - Markings to AS3996 Clause 1.6 (a) to (f). 4.8 - No Hinge 4.9 - Standard Packaging and Delivery 4.10 - QUU require QUU cast in as per Standard Drawings 4.11 - Standard Coating 4.12 - Bolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - by Standards	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 NOT ACCEPTED BY SP	Concrete Infill Covers NOT ACCEPTED BY SP	Concrete Infill Covers NOT ACCEPTED BY SP		Concrete Infill Covers NOT ACCEPTED BY SP
177		East Jordan (Havestock)								
178		Webforge								
179		Tellam								
180		Durham								
181		Hygrade								
182	292 4.1-DN<=450 Round 4.2-DN360 min clear opening 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-No bolt down required	Smartstream	Smartstream Top Hat- P8HDS		DI-Class D				Use is subject to acceptance by SP	Use is subject to acceptance by SP
183		Smartstream	Smartstream Top Hat- P8PEC		PE - Class B					
184		SYI Foundry/Aymroo	Aymroo	360 mm clear opening	CI - Class B					
185	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 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-Bolt down for Surcharge and overland flow areas, 2 x M8 min SS316 Bolts	Terra Firma			Composite - Class B and D	Non-Corrosive MH lids and frames are required for Discharge Manholes and all Manholes for sewers DN300 and 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
186		ACO SAKU			Composite - Class B					Use is subject to acceptance by SP
187		Prime Composites			Composite - Class B and D					Use is subject to acceptance by SP
188	Emergency Storage maintenance hole cover	Treloar	MC1000-Manway Cover	DN900	Class C Fabricated S/Steel grade 316 ring Nitrile gasket seal				Use is subject to acceptance by SP	
189	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
190		Aymroo	Aymroo							
191		C & C Plastics / Havestock	Posistep							
192		Industrial Steps & Ladders	Sure-Step							
193	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		NOT ACCEPTED BY SP
194		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.					
195		Galvanised Steel			Refer to Standard Drawings					
196		Stainless Steel or Aluminium								
197	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 4.0 metres FSL to Top of Pipe	Aymroo	Aymroo	DN225 PVC-U Riser Shaft	Configurations of "Central Axis" maintenance shaft (CAMS) are not accepted	Refer to clause 6.7.2 of the SEQ Sewerage Code	Refer to clause 6.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	DN225 risers not accepted. Min DN300 risers are accepted.	
198		SMS	SMS # MS3 DN150 Only							
199	322 4.1 - As per Standards 4.2 - As per Specifications 4.3 - As per Standards 4.4.a - Inlet and Outlet at DN150 to DN225 for PVC RIGSS 4.4.b - Inlet and Outlet at DN160 to DN250 for PE Nusewer 4.5 - Configurations as shown in Standard drawings 4.6 - As per accepted product 4.7.a - Inlet and Outlet PVC Sewer connection RRJ 4.7.b - Inlet and Outlet PE Sewer connection Electrofusion 4.8 - Cap as shown in Standard Drawings 4.9 - As per Standard Drawings 4.10 - Max depth 5.0 metres FSL to Invert of Pipe	Smartstream	Poo-Pit		RIGSS DN225 PVC riser shaft. Nusewer fully welded with DN250 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 6.7.2 of the SEQ Sewerage Code	Approved for DN150 to DN225 RIGSS only. Refer to clause 6.7.2 of the SEQ Sewerage Code. Refer Standard Drawing SEQ-SEW-1314 Set for other approved PE MS and MH options	DN225 risers not accepted. Min DN300 risers are accepted.	
199										

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Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
1	Maintenance Shafts Polypropylene DN425 and DN600 risers	Iplex	EZIpit PA 09/01 & PA 09/1-2		Refer Standard Drawings	Approved for DN150 to DN225 RIGSS only as per Cell B Base is single DN size	Refer to clause 6.7.2 of the SEQ Sewerage Code	Approved for DN150 to DN225 RIGSS only Base is single DN size Refer to clause 6.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	Approved for DN150 to DN225 RIGSS only as per cell B, Base is single DN size, NOT ACCEPTED FOR NUSEWER
200										
201	Maintenance Shafts Polypropylene DN225 and DN300 risers	SMS	SMS PA 09/08 parts 0 to 5 Code: MS1 Code: MS2 Code: MS5		Refer Standard Drawings	Approved for DN150 RIGSS only	Approved for DN150 RIGSS only Refer to clause 6.7.2 of the SEQ Sewerage Code	Approved for DN150 RIGSS only Refer to clause 6.7.2 of the SEQ Sewerage Code	NOT ACCEPTED BY SP	Approved for DN150 RIGSS only. DN225 risers not accepted. Min DN300 risers are accepted.
202		REHAU	OD400-GD (Type H12) OD400-RML (Type H13)							
203	Pre-cast Maintenance Holes	Humes		MH and MS DN150 and DN225 sewers	Refer Standard Drawings Use for larger Sewer DN's and MH diameters is subject to acceptance by SP	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 Use of MS is subject to acceptance by SP
204		Rocla								
205	Pre-cast Concrete Converter Slab for Cast In-situ MHs	Everhard			Refer Standard Drawings				Calcareous aggregate required to be used	
206		Tellam								
207	Plastic Maintenance Holes	Smartstream	Smart Pit	DN150 to DN300 sewers	Refer Standard drawings		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
208	Vent poles	RPC Technologies			Refer Standard Drawings Tapered, Galvanised, height as design preferred colour: heritage or mist green	Accepted option is RPC for a GRP pole @ designed height	Accepted option is RPC for a GRP pole @ designed height	Accepted option is RPC for a GRP pole @ designed height	Use is subject to acceptance by SP	Use is subject to acceptance by SP
209		Ingal EPS							Accepted Height 12.0 m	Minimum accepted Height 6.0 m
210										
211	Valve box and cover C.I. & D.I.				Refer Water Code Standard Drawings for approved Valve Box and Cover					
212		NIBF								
213		Gatic / Milne								
214	Loose PE sleeving to DI pipe	Viadux	BLUEBOSS Cream		Mandatory sleeving to all DI pipe	Gravity pipe Grey colour Pressure pipe Cream colour	Gravity pipe Grey colour Pressure pipe Cream colour	Gravity pipe Grey colour Pressure pipe Cream colour		
215		Crevet								
216	Embedment material - crushed rock									
217	Embedment material - recycled concrete	Queensland Recycling				NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		NOT ACCEPTED BY SP
218	Concrete-Normal Class									
219	Concrete-Special Class (for Maintenance hole and for concrete in aggressive environment)					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	Cast in-situ MH's Refer details on Standard Drawings Concrete N32 minimum	Calcareous aggregates shall be used Admixtures shall be non-chloride type	
220		ARI Flow control								
221	Gas release valves	Bermad		DN50-DN200	PN16, Anti Slam as required, Thermal bonded polymeric coating or 316 Stainless steel	DN225 and larger mains to only use Vinloc-Smartvalve			See drawing SEQ-SPS-1605-1 for standard gas release valve arrangement (manual operation). When QUU requires an automatic gas release valve, Vent Master PX is accepted. Use of others is subject to acceptance.	
222		Vent-O-Mat								
223		Odour Technologies	Vinloc-Smartvalve							
224		AVFI	ARV-3-N							
225		ISCO	Vent Master PX							
226		HMA Valveco	Valmatic Swing-flex	DN50 - DN600		NOT ACCEPTED BY SP				
227	Non-return valves - Swing check with counterweight lever arm	Dobbie Dico	Dobbie Dico	DN80-DN900	MIN. PN16, Thermal bonded polymeric coating			Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
228		AVK	AVK Swing Check Valve 41/25	DN50						
229		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
230		Challenger Valves	Challenger - RSSC	DN80-DN375		NOT ACCEPTED BY SP			Use is subject to acceptance by SP	
231		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300						
232		HMA Valveco	Valmatic Swing-flex	DN50 - DN600						
233	Non-return valves - free acting (without counterweight) Swing Check	Dobbie Dico	Dobbie Dico	DN80-DN900	MIN. PN16, Thermal bonded polymeric coating	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP		
234		AVK	AVK Swing Check Valve 41/25	DN50						
235		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
236		Challenger Valves	Challenger - RSSC	DN80-DN375					Use is subject to acceptance by SP	
237		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300						Use is subject to acceptance by SP
238	PVC-U Fabricated Fittings	Vinidex			DWV uPVC Moulded Fitting reinforced to SEQ Standards. Type D Junction from moulded fittings welded and fibreglass wrapped.					
239	Fibreglass reinforced PVC Type 'D' junctions & fittings	Iplex	Deep Sewer Junction & Reinforced Fittings such as Oblique Junctions and House Connection Bends and Inspection Tees	DN100-300	45 Deg Oblique Jn and Property Connection bends and Inspection Tees fibreglass wrapped. Fabricator has Certification to Section 6 of AS/NZS 1260 and fittings Fibreglass wrapped as shown on the drawings SEQ-SEW-1104-1 and SEQ-SEW-1105-1.				NOT ACCEPTED BY SP	DN100 at SN10, DN150 and larger at SN8 and Fittings at SN8 minimum
240		Fabfit								
241		M.E. Christensen								

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1										
242	PVC-U SN8 long radius bends 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	
243		Iplex								
244		Tri Underground								
245		Fabfit								
246		M.E. Christensen								
247	Detectable marker tape 318 4.1 - Tape/Product Colour - Drinking Water = Blue preferred (Green accepted via SP approval) Non-Drinking Water = Purple Sewerage = Cream 4.2 - Message = "Caution PRODUCT Buried Below" 4.3 - SS 316 tracer wire 4.4 - See 4.1 above	Boddington			For open-cut construction					UW accepts only blue detectable marker tape for drinking water
248		Tapex								
249	Tracer wire 343 As per specifications	Tapex	Copperhead	500, 1000 and 2500 (feet)	For HDD and Pipe bursting etc. Components of test station, connector and grounding anode are accepted	Use is subject to acceptance by SP		Use is subject to acceptance by SP		Use is subject to acceptance by SP
250	Security fencing				AS1725.1 Chain Link Fabric Fencing-powder coated black	Fence details generally to CoGC Standard Drawing 05-014	Fence details generally to CoGC Standard Drawing 05-014	Fence details generally to CoGC Standard Drawing 05-014		
251	Hydrophilic Seal		Hydrotite							
252	Casing Spacers 324 4.1 - Carrier pipes OD from 100mm to 1668mm 4.2 - Min space between carrier pipes and encasing pipes 50mm	kwik-ZIP	kwik-ZIP	HDX Series with Runner height of 38, 65, 90 and 125 mm	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes			Use is subject to acceptance by SP		
253	Protective lining & coating (including PE lining)	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list

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Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
Category: WATER SUPPLY PIPES - PRESSURE										
254										
255	209 4.1 - PN16 4.2 - Drinking Water 4.3 - Series 2 only 4.4 - Blue 4.5 - SBR & EPDM	Iplex	Reiber Blue	DN100 to DN300	Series 2 PN16, Min SN 10 Reiber ring accepted				Only accepted where PE is unsuitable	NOT ACCEPTED BY SP
256		Vinidex	Hydro Blue							
257		Viadux	Tuf-Flo							
258		Micron Pipelines	Micron Pipelines							
259		Pipemakers	Pipemakers Enviromain							
260	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only. Blue for Drinking Water and Purple for Non-Drinking Water refer POP203 4.5 - SBR & EPDM	Iplex	Apollo Blue	DN100 to DN300	Series 2 PN16, Min SN 10 MRS400 or MRS450			SP USE ONLY	Use is subject to acceptance by SP	NOT ACCEPTED BY SP
261		Vinidex	Supermain							
262		Micron Pipelines	Micron Pipelines							
263	200 4.1 - All Pressure Classes - see Column F 4.2 - As per Standards 4.3 - As per accepted product 4.4 - 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, including those with zinc-aluminium alloy coating, unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and risk assessment	Viadux	Tytonxcel	DN250 - 750 (not 225)	PN 20	Seal coat on pipes >= 450 PN20 - Use is subject to acceptance by SP	Seal coat on pipes >= 450 PN20 - Use is subject to acceptance by SP Use of Vinidex LINX and ZAP products is subject to acceptance by SP	Seal coat on pipes >= 450 PN20 - Use is subject to acceptance by SP Use of Vinidex LINX and ZAP products is subject to acceptance by SP	Only accepted where PE is unsuitable. Seal coating required for all sizes	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. PN20 - Use is subject to acceptance by SP Restraint joint seals not suitable for: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials.
264		Vinidex	LINX-GP							
265		Vinidex	ZAP-GP							
266		Viadux	Tytonexcel	Up to DN750 (not 225)	PN 35					
267		Crevet / Iplex	Ironite							
268		Vinidex	LINX-GP							
269		Vinidex	ZAP-GP							
270		Viadux	Flange Class	DN100 - DN375	Flange Class					
271		Vinidex	LINX-GP							
272		Vinidex	ZAP-GP							
273		Saint-Gobain	Hydroclass Zinalium	DN100 - DN750 (not 225)	PN35, Flange Class				Only accepted where PE is unsuitable. Seal coating required for all sizes	Use is subject to acceptance by SP
274	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 on Zinc/Bitumen 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
275	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
276	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 >DN600	Accepted for sizes >DN600	Accepted for sizes >DN600	Only accepted where PE is unsuitable	Seal Coat requirement is dependant on water quality
277	207 4.1 - PN16 SDR11 PE100 4.2 - Drinking and Non-Drinking Water 4.3 - Pipes lengths for DN160 and larger and coils accepted for DN110 and smaller 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		OD25 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 SS316 tracer wire. Pipe wall thickness to be designed for installation forces.	1 - Used as Water Service pipe at DN25 and DN32 recommend PE80B pipe (DN50 and DN63 by CoGC) 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	Use is subject to acceptance by SP	Use is subject to acceptance by SP	PE is preferred pipe material for single and dual water supply systems - PE shall be used unless specific site conditions dictate otherwise. Either solid or striped colours are permitted for single and/or dual water supply systems.	Use is subject to acceptance by SP
278		Vinidex								
279		DMG								
280		Cromford	Identi-pipe							
281		Poly Pipe								
282		Viadux	Advantage/TYCO10							
283	Enviropipes	Enviropressure								
284	ACP	ACP								
285	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 SS316 tracer wires. Pipe wall thickness to be specified as normal PE100 as such "extra" strength should be provided.	1 - Used as Water Service pipe at DN25 and DN32 recommend PE80B pipe (DN50 and DN63 by CoGC) 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	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
286	Copper pipe	Port Kembla Copper				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
287	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

	A	B	C	D	E	F	G	H	I	J	K
	Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
1											
288	FW-GRP (filament wound) pipe and Fittings - Water main	205 4.1 - DN300 and larger 4.2 - PN16 minimum 4.3 - SN 10,000 minimum 4.4 - Standard bend forms permitted 4.5 - Sp-Sp RRJ Coupling and FI Joints 4.6 - Standard Glass 4.7 - SBR & EPDM	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
289			Global Pipe	Fiberstrong	DN300 - DN4000						
290			Superlit / Clover Pipelines	Superlit	DN300 - DN3000						
291	Stainless Steel Pipe	No WSA-SP WSAA Materials Fact Sheet No:2 Selection of Stainless Steels 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	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
Category: WATER SUPPLY FITTINGS - PRESSURE										
293	Lightweight DI bends, tees/branches & connectors	201	Viadux	Auslite	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI 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
294		4.1 - Soc-Soc, Soc-FI & FI-FI 4.2 - PN16 fittings 4.3 - By approval 4.3 - SBR & EPDM	Dobbie Dico	Dobbie	DN100 to DN150					
295		Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150						
296	DI bends, tapers, tees/branches, connectors, risers & caps/blank ends	201	Viadux	Tyton Joint	Thermal bonded polymeric coating All DI 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	
297		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	Crevet / Iplex	Crevet						Up to DN750
298		Vinidex	Superlink							
299		Derwent								
300		Gillies		DN100 & DN150						
301		Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN80 to DN300						
302		Dobbie Dico	Dobbie	DN100 to DN250						
303	Mallet	Mallet	DN80 to DN750							
304	DI mechanical couplings - Non End Thrust Restraint	270	Viadux	Gibault Ezigib & Vari-Gib	Long type All DI 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 Synoflex is not accepted on PVC and GRP pipe materials	
305		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 And SS316 bolts, nuts and washers	Crevet	Gibault & Universal Multigib						Up to DN750
306		AVK	Gibault & Universal							
307		Viking Johnson	MaxiFit, QuickFit							
308		Derwent								
309	DEKS	DEKS FLEXI-GIB	DN80 to DN750							
310	DI mechanical couplings - End Thrust Restraint (Gripper Type)	271	Hawle / Hygrade Water	Synoflex PN16 Restraint coupling for AC, PVC, DICL, SCL	DN50-DN300	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, PVC, DI and SCL pipe subject to acceptance by SP	
311		4.1 - PN16 4.2 - DI 4.3 - Short and Long Series 4.4 - Straight and Stepped and Flange Adaptor 4.5 - All DN Range options 4.6 - Flange Figure as specified with SS316 bolts, nuts and washers 4.7 - SBR & EPDM & Nitrile And SS316 bolts, nuts and washers	+GF+	Multi/ joint 3000 Plus restraint type for AC, PVC, DICL, SCL						
312	DI flanged telescopic flexible fitting	No WSA-PS Aligned to WSA_PS 201 and 270 with Flanges to AS 4087 Figure B5 To comply with WSA PS-201S when published	Hawle / Hygrade Water	Vario WSA PA 12/09	DN50 - DN200	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	
313	Small DN Ductile Iron Restraint Fittings at PE ODs	Saint-Gobain PAM	IZIFIT	DN75-DN160	For use directly with PE and BLUTOP pipe.	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
314	Pretapped connectors	201	Viadux	Readytap	DN100 to 300	Thermal bonded polymeric coating DN100 to DN150 with 4 x 20BSP tappings at 2 per side and DN200 to DN300 1 x 50BSP tapping	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
315		4.1 - Soc-Soc only 4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by approval 4.4 - SBR & EPDM	Crevet / Iplex	Pretapped	DN100 & DN150					
316		4.1 - Soc-Soc only 4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by approval 4.4 - SBR & EPDM DN100 to DN150 with 4 x 20BSP tappings at 2 per side and DN200 to DN300 1 x 50BSP tapping	Vinidex	Superlink	DN100 & DN150					
317		Himigiri Castings/Galvin Engineering / CivilPipes	Galvin	DN100 & DN150						
318		4N Products & Stockbrands	Supertap	DN100 & 150	Only used on Series 2 PVC pipe Not suitable for DI pipe WSAA Appraisal 12/18	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	
319	316 SS repair clamps, flanged off-take clamps & BSP tapping clamps	313	Crevet	Wang	DN100 to DN300	Min. PN16, Approved on DI and CI host pipes only, to Pipe manufacturers specifications	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
320		4.1 - Type R 4.2 - Pipe DN by SP approval 4.3 - Off-take DN by approval 4.4 - Min. PN16	Viadux	Wang	DN100 to DN300					
321		Cascade Control	Rapid Clamps	DN40 to DN350						
322	Flange DI off-take clamps	327 4.1 - Pipe DN63 and larger (see WSA PS 207 above) - 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	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
323	Resilient Seated Gate Valves, thermal bonded polymeric coating.	260	AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 36/80 Series 01/71 Series 55	Up to DN400 Up to DN200 Up to DN300 Up to DN300 DN450 to 600	Anchor legs approved PE Pipe ended approved Gripper ends approved	DN500 and DN600 with DN100 By-pass DN750 with DN150 By-pass	Use is subject to acceptance by SP	Use of Auslite II is subject to acceptance by SP	Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.
324		4.1 - PN16 4.2 - All End configurations accepted 4.3 - Integral By-pass on DN450 and larger (Unitywater accepts either integral or constructed by-pass as per job specification) 4.4 - Gear Box on DN600 and larger 4.5 - Clockwise for opening 4.6 - No requirement for spindle cap colour 4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap 4.9 - SBR & EPDM	Hawle / Hygrade Water	E2 FL Ends E2 System 2000 A Valve FL & SOC Ends	DN50 - 200 DN50 - 300 DN80 - 200	WSAA Appraisal 11/23 WSAA Appraisal 06/07				
325		Viadux	Series 500 Auslite Auslite II Bayard	Up to DN600 DN80, 100 & 150 DN100 to DN300 DN50 - DN200	Anchor Legs approved With PE pipe tails approved					
326		Karon / Challenger	Karon	DN80 - DN600						
327		AVFI								
328		Betta	BETTA	DN100 - DN375						
329		AAP Industries	Maxiflo/appFLO	DN80 to DN300	WSAA Appraisal 11/26 Issue 2					
330		Derwent Industries	Derwent	DN80 - DN600	WSAA Appraisal 1511					
331		DAEMCO		DN80 to DN300	WSAA Appraisal 1517 (10/05/16)					
332		Butterfly Valves	263	Pentair / Viadux	Keystone	DN50-600 for wafer/lugged DN100-1000 double flanged				
333	Ebro		Ebro							
334	AVFI		AVFI							
335	Valveco		Valveco							
336	Iplex		AVK							
337	Challenger	Challenger								

A	B	C	D	E	F	G	H	I	J	K
Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
338	Hydrants 267 4.1 - DN80 and DN100 Flanges	AVK	Series 30/00 non-swab and 30/10 for swab	DN80 - DN100	Removable Top Cap & Internal Assembly. Thermal bonded polymeric coating. Purple body and lug for recycled water.	DN80 Flange to A.S.4087 Fig B5 Purple Body and Lug for A+ Recycled water Swabbing type at main ends refer SEQ-WAT-13021	DN80 Flange to A.S.4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-13021	DN80 Flange to A.S.4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-13021	Swab type only accepted DN100 flanged to AS 4087 Fig B5. 100 mm hydrant riser shall be used. For PE system, additional to DN125, a DN90 PE riser may be used with Plasson slotted flange adaptor set.	All new hydrants are to be 100 mm DI FBE coated with a removable top cap and internal assembly to allow direct full bore access to the pipeline for swabbing/flushing. All new hydrants shall have 100 mm flanges, 100 mm risers and spring heads.
339		Viadux	Sureflow							
340		Civil Pipe Supplies	BETTA normal & Swab							
341		AAP Industries	MAXIFLO/appFLO							
342		Derwent Industries	Derwent non-swab							
343	Hydrant and air valve isolator's valves	AVK		DN80 - DN100	Thermal bonded polymeric coating Min. PN16		DN80 Flange to AS4087 Fig B5 Swabbing type at main ends refer SEQ-WAT-13021	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
344		Viadux								
345		Crevet								
346	Valve box & cover C.I.	Viadux			Bitumen coated to AS 3750.4	Water Service Boxes for footpath and roadway shall be as per Item 41 of 11-133 and as shown on 11-134 of meter standard drawings				
347		NIBF / Iplex								
348		Tellam								
349		Gatic / Iplex								
350	Hydrant box & cover C.I.	Viadux			Bitumen coated to AS 3750.4					
351		NIBF / Iplex								
352		Tellam								
353		Gatic/Iplex								
354	Valve & hydrant boxes (recycled plastics) & DI Covers	Viadux			Non-trafficable location only. H - Hydrants V - Valves AV - Air valve	Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2309-1	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
355		Crevet								
356		Vinidex								
357	Plastic surround to valve/hydrant boxes	No WSA-PS Refer details on SEQ-WAT-1305-1	Replas Australia		Non-trafficable location only.	Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2309-1	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
358	Valve extension spindles	Viadux			AS2638 Compliant					
359		NIBF / Iplex								
360		Forge Bros / Vinidex								
361		Challenger								
362	Flanges MS	Steel Mains			Class 16 Thermal bonded polymeric coating					
363		NIBF / Iplex								
364	Flange gaskets and 'O' rings	312 4.1 - PN16 min or as per Design 4.2 - Gasket as Standard with O-ring for required 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							
365	Bolts	No WSA-PS Refer details on SEQ-WAT-1313-1			316 Stainless steel bolts					
366	PE mechanical compression fittings for reduced size water mains	George Fischer		DN63	PN16	Only fittings with a Copper Alloy body and a Copper Alloy compression nut are approved for use		Use is subject to acceptance by SP		
367		Philmac / Philmac & Vinidex								
368		Plasson								
369		Talbot								
370		Alprene								
371		Iplex								
372	Viadux									
373	PE Fittings (for mains and large service pipes)	Plasson		Coupler up to DN710	Comply with AS4129, PN16. Electrofusion fittings to be long type. Stub flanges only to be used for sizes DN450 and larger	Accepted for DN63 and DN110	Accepted for DN63 and DN110	Accepted for DN63 and DN110	Use is subject to acceptance by SP	Use is subject to acceptance by SP
374		Georg Fischer	ELGEF Plus Draw - Lock							
375		Friatec / Vinidex	Frialen	DN250-560 with branch DN32-90						
376		Agro	Agro	Coupler up to DN630						
377		Fusion Group / FusionPlast	Fusamatic	Up to DN630						
378		NUPIGECO	Elofit	DN20 to DN710					Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP	Use is subject to acceptance by SP

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Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
379	Full face PE flanges (for reticulation sizes)	Plasson		DN80 / DN100	DN90 riser with slotted flanges suit both DN80 & DN100 flanged hydrants to WSAA 98/50	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 of stub flanges is subject to acceptance by SP
380		Iplex		Up to DN355	Full face full bore connections					
381		Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					
382		Rodney / Vinidex	Maxi Stub	Up to DN355	Full face full bore connections					
383	DI Restraint fittings (for PE) - couplings, flange adaptors, tees, bends, end caps	Hawle / Hygrade Water	System 2000 Synoflex	Up to DN630	Restraint type, Flange adaptor up to DN355 shall be full bore connection				Only accepted for use where welded joints are not practical	Use of Hawle System 2000 is subject to acceptance in Acid Sulphate Soils and Saline coastal environmental locations.
384		+GF+	Multi/Joint 3000	Up to DN355						
385		AVK	Supa Plus	Up to DN315						
386		Viking Johnson / Philmac	AquaFast AquaGrip	Up to DN630						
387	PE scour Tees	Vinidex / Rodney			Comply with AS4129	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		
388		Kingston Bridge / Iplex								
389	Air valves	ARI Flow control		DN50-DN200	PN16, 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	
390		Bermad								
391		Vent-O-Mat								
392		AVFI	DAV-MH							
393		ISCO	Vent Master PX				NOT ACCEPTED BY SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
394	Non-return valves - Swing check with counterweight lever arm	HMA Valveco	Valmatic Swing-flex	DN50 - DN600	Min. PN16, Thermal bonded polymeric coating	NOT ACCEPTED BY SP	Only use valves with capacity for lever arm to open and close the valve AVK and Dobbie Dico are acceptable CHALLENGER and other valves without lever arm NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	NOT ACCEPTED BY SP
395		Dobbie Dico	Dobbie Dico	DN80-DN900						
396		AVK	AVK Swing Check Valve 41/25	DN50						
397		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
398		Challenger Valves	Challenger - RSSC	DN80-DN375						
399		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300						
400	Non-return valves - free acting (without counterweight) Swing Check	HMA Valveco	Valmatic Swing-flex	DN50 - DN600	Min. PN16, Thermal bonded polymeric coating	NOT ACCEPTED BY SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
401		Dobbie Dico	Dobbie Dico	DN80-DN900						
402		AVK	AVK Swing Check Valve 41/25	DN50						
403		AVK	AVK Swing Check Valve 41/8X	DN80-DN300						
404		Challenger Valves	Challenger - RSSC	DN80-DN375						
405		AVFI Pty Ltd	AVFI - RSFC	DN50-DN300						
406	Pressure reducing valves	Bermad Water Technologies	Bermad	DN40 - DN900	Min PN16, Thermal bonded polymeric coating	Dorot 300 Series for Pressure Reducing Valve and for associated Pressure Relief Valve (Dump Valve) Dorot 200 Series or Bermad IR-43Q Valve	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	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).
407		Singer / HMA Valveco	Singer							
408		Plasson Australia Pty Ltd	Plasson C-Valve							
409		Dorot Australia Pty Ltd	Dorot 300 Series							
410		Cla-Val Pacific / Challenger	Cla-Val	DN25-DN1200						
411	Pressure sustaining valves and altitude valves	Bermad Water Technologies	Bermad	DN 40 - DN900	Min PN16, Thermal bonded polymeric coating	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
412		Singer / HMA Valveco	Singer							
413		Dorot Australia Pty Ltd	Dorot 300 Series	DN25-DN1200 (Sustaining)						
414		Cla-Val Pacific / Challenger	Cla-Val	DN-80-DN1200 (Altitude)						
415	PE Flex Restraint Fitting (used as puddle flange)	+GF+		Up to DN1600	E-F type follow manufacturer's requirements.	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		
416		Plasson		Fits DN160 to DN1600 PE Pipe	PE100/ PE4710 resin				Use is subject to acceptance by SP	
417	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.		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Uni-flange to be used within pit or aboveground locations only
418		Viking Johnson								
419		Valveco	Uni-Flange Adaptor	DN50-DN500						
420		Hygrade Water	Pipemate	DN80-DN900						
421		AVFI	AFD10 Series	DN80-DN1200						
422		AVFI	AFD20 Series	DN80-DN1200						
423	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
424		Siemens	Siemens							
425		E & H	E & H							
426		Emerson	Emerson							

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater	
Category: WATER SERVICES											
428	Tapping bands for DI & PVC pipes	310	Viadux								
429		4.1 - DN100 to DN300	Gatic / Milne								
430		4.2 - Without Electrical Isolation 4.3 - Female Rp thread to AS ISO 7.1	RMC			Gunmetal - Positive stops			SP USE ONLY	RMC tapping band also accepted on AC pipe	
431		4N Products & Stockbrands		4N	DN100, 150, 200	Positive stops, coloured blue WSAA Appraisal PA10/18	NOT ACCEPTED BY SP				
432	Tapping bands for PE - mechanical	327	Gatic / Milne		DN63-DN315	Gunmetal - Positive stops Only for where E-F saddles are not practicable	NOT ACCEPTED BY SP			NOT ACCEPTED BY SP	
433		4.1 - Pipe DN63 and larger (see WSA PS 207 above) - Off-take ID 20 mm minimum	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		
434		4.2 - PN16 4.3 - Female Rp thread to AS ISO 7.1 4.4 - Without electrical Isolation	Hawle / Hygrade Water	Haku	DN63 - DN315	Ductile iron lower half					
435			Hawle / Hygrade Water	Haku	DN250 - DN630	Stainless steel strap lower half			Use is subject to acceptance by SP	NOT ACCEPTED BY SP	
436	Tapping saddle for PE - electrofusion	329	Plasson								
437		329.2.(a) - EN Standards accepted	George Fischer		DN63, 90, 125 & 180						
438		4.1 - Pipe DN63 and larger (see WSA PS 207 above) - Off-take ID 20 mm minimum	Friatec / Vinidex			Comply with AS4129 PN16	Accepted for DN63 and DN110		SP USE ONLY	Accepted for DN63 and DN110	Use is subject to acceptance by SP
439		4.2 - PN16 4.3 - Combined Saddle and Outlet off-take with integral cutter/shut off 4.4 - Without electrical Isolation	Fusion Group / FusionPlast	Fusamatic	Up to DN355		Use is subject to acceptance by SP				Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP Use is subject to acceptance by SP
440	Ferrules - TPFNR Bonnet Ferrule Cocks	No WSA-PS	Gatic / Milne								
441		1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688.	Elster			Dezincification resistant material and comply with AS/NZS 3688			SP USE ONLY		
442		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	RMC								
443	Ball valves - Water Service	274	Gatic / Milne								
444		4.1 - PN16 minimum	Elster								
445		4.2 - Plastic not permitted	RMC								
446		4.3 - By accepted product	TOF								
447		4.4 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1	Cimberio / Strongcast	Strongcast							
448	4.5 - 90 Degree closure with 38 mm handle for maintap and 50 mm handle for meter. Meter ball valve with Locking open/close function	Austworld	LOGI VALVE								
449	Union stopcock	No WSA-PS	Gatic / Milne								
450		1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688.	Elster			25 mm Dezincification resistant material and comply with AS/NZS 3688	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP		
451		2 - PN 16 3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 4 - Watermark acceptance	RMC								
452	Slip Coupling	No WSA-PS	Elster		DN20 and DN25						
453		1 - Compliance with AS 4020, DR to AS 2345, AS 3565.1, AS 3718 and AS 3688.	All Valve Industries			Dezincification resistant material and comply with AS/NZS 3688					
454		2 - PN 16 3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1	RMC		DN20	Shall have a locking nut to prevent kinking between the moving parts			Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP
455	4 - Watermark acceptance 5 - Coupling to have 5mm to 20mm movement with locking nut	Strongcast									
456	Transition couplers	208, AS/NZS4129, EN1254 or Equivalent	Plasson								
457		Up to DN63	+GF+			PE to BSP connections				Push fitting not accepted by SP	
458		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	Friatec / Vinidex				Copper male fittings connecting to poly female fittings is not accepted				Use is subject to acceptance by SP
459	PE mechanical compression fittings for Small Diameter Water Service pipes	208, AS/NZS4129, EN1254 or Equivalent	George Fischer								
460		DN25 to DN63	Philmac / Philmac & Vinidex							Use is subject to acceptance by SP	
461		2.(a) - AS/NZS4129, EN1254 or equivalent acceptable Certification	Plasson								
462		4.1 - PN16 minimum	Elster								
463		4.2 - Mechanical Polyethylene or Copper Alloy both with approved Plastic grippers/olives/thimbles	TOF								
464		4.3.1 - Transition - PE to Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1	Talbot								
465		4.3.2 - Coupling - PE to PE	Alprene			DN25 to DN63	PE to PE PN16 Push fit type is not accepted				Use is subject to acceptance by SP
466		4.4 - Flange not used	Iplex								Use is subject to acceptance by SP
467	4.5 - SBR & EPDM	Viadux								Use is subject to acceptance by SP	
468		NUPIGECO	Elopress							Use is subject to acceptance by SP	
469	Meters - 20 mm (direct and sub-metering applications)	No WSA-PS	Elster	V100 (PSM-T) (WM202PD)							
470		1 - NSC/NMI Pattern Approved	Elster	V200							
471		2 - AS 3565.1 Certified	Itron	TD8							
472		3 - Integral Strainer	RMC	WM273MRP multijet							
473		4 - Std Tail Nut with gasket	RMC	WM281MRP multijet							
474	5 - Colour and Check Valve requirements as per SEQ-SP requirements	GVT	TPWM							Only accepted for above ground installation Use is subject to acceptance by SP NOT ACCEPTED BY SP	
475	Meters - 25 mm (direct and sub-metering applications)	No WSA-PS	Elster	V100 (PSM-T) (WM252PD)							
476		1 - NSC/NMI Pattern Approved	Elster	V200							
477		2 - AS 3565.1 Certified	Itron	TD8							
478		3 - Integral Strainer 4 - Std Tail Nut with gasket 5 - Colour and Check Valve requirements as per SEQ-SP requirements	RMC	WM271MRP multijet							Only accepted for above ground installation 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	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater	
479	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			
480		Elster	V200								
481		Itron	TD8								
482		RMC	MRP								
483	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 orientation only. Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters.		Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
484		RMC	WM402MRP multijet								
485		Itron	Flostar M								
486	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			Use is subject to acceptance by SP	NOT ACCEPTED BY SP		
487		Elster	H5000 Woltmann								
488		Arad / RMC	Woltman Silver Turbo								
489		Itron	Flostar M								
490		Itron	Woltex								
491	Flowmeters	Sensus	Meistream						Only accept Meistream Plus meter installed above ground with external top accessible (basket type) inline strainers		
492		Arad Ultrasonica / RMC	Octave		Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Arad Octave Ultrasonic and Siemens Sitrans FM Mag 8000 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	
493		Siemens Eletromagnetic	Siemens								
494		Siemens Ultrasonic	Siemens								
495		E & H Electromagnetic	E & H								
496		E & H Ultrasonic	E & H								
497		Emerson	Emerson								
498	ABB	ABB									
499	Automatic Meter Reading (AMR) Systems (sub-metering applications)	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.		Use is subject to acceptance by SP	Use is subject to acceptance by SP	Only Reed switches from the meter manufacturer are accepted	
500		Epitomy									
501		Utility Technology									
502		Halytech									
503		Utiligy									
504		Itron	Everblu								
505	Watersave	Vivid Multi Logger									
506	Meter boxes	Everhard Industries		368L * 271W * 316D (for 20 mm meters only)	Blue, Black or Green meter box lids	Blue Lid not permitted		Blue Lid not permitted	NOT ACCEPTED BY SP	Purple lid for non-drinking water meter box Black or green lid for drinking water meter box Blue lid not permitted	
507		Everhard Industries		492L * 271W * 316D							
508		Draper		440L * 275W * 280D							
509		Strongcast		427L * 267W * 316D							
510	Single check detector check valves	No WSA-PS 1 - Single Check valve to AS/NZS 2845.1 2 - Fitted with compliant meters as per above	Pentair/Viadux	VALVCHQ	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	
511	Double check valve (DCV), Double check detector assembly (DCCA)	No WSA-PS AS/NZS 2845	Pentair/Viadux	VALVCHQ	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	
512		Bermad	Cla-Val								
513	Pre-assembled dual meter boxes	No WSA-PS 1 - Approved Supplier Assemblies as per SEQ-SP requirements	Elster		DN20	Drinking & Drinking or Drinking & Non-drinking Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Install pre-assembled dual boxes as per SEQ-WAT-1106 set as well	Subject to Approval of SP	Install approved pre-assembled boxes as per SP requirements	NOT ACCEPTED BY SP	Use is subject to acceptance by SP
514		Tellam									
515		RMC	KIT235 WMKIT235						Use is subject to acceptance by SP		
516	Pre-assembled single meter boxes	No WSA-PS 1- approved Supplier Assemblies as per SEQ-SP requirements	Strongcast	SCMBA20	DN20	Drinking Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Install pre-assembled single boxes as per SEQ-WAT-1106 set as well	Install approved pre-assembled boxes as per SEQ-WAT-1110 set	Install approved pre-assembled boxes as per SP requirements	V200 meter only. No slip coupling	Use is subject to acceptance by SP
517		Elster								Use is subject to acceptance by SP	
518		Tellam								Use is subject to acceptance by SP	
519		RMC	KIT236 WMKIT236							NOT ACCEPTED BY SP	
520	Sub-meter assemblies	No WSA-PS 1 - Approved Supplier Assemblies as per SEQ-SP requirements	Elster	46492-00	DN25	Drinking or Non-drinking Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy	Accepted with slip coupling Use is subject to acceptance by SP	NOT ACCEPTED BY SP	Install approved sub-meter assemblies as per SP requirements	Only accepted with no slip coupling	Slip Coupling not accepted
521		Elster	46491-00								
522		Tellam									
523		All Valve	SMA20M								
524		Strongcast	SCMLIM20								
525		Austworld	SMK								
526	RMC	KIT227									
525						Use is subject to acceptance by SP	Install approved sub-meter assemblies as per SP requirements		NOT ACCEPTED BY SP		
526						Accepted with slip coupling		Use is subject to acceptance by SP			

	A	B	C	D	E	F	G	H	I	J	K
1	Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater
527	Dual Check valves for Meter assemblies DN40 and Larger	No WSA-PS 1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5 4 - Ductile Iron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable	Pentair/Viadux	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	
528	Reduced pressure zone device (RPZD)	No WSA_PS	LWG Zurn	Model 375						Any brand with ISO Type 5 product certification to AS2845 is accepted	UW prefers RP03 RPZ
529	Reduced pressure detector assembly (RPDA)	AS/NZS 2845	RMC								
530			Pentair/Viadux	RP03							
531	Pressure Limiting Valve for Water Services	No WSA-PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688. 2 - PN 16 3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 4 - Watermark acceptance 5 - Set point 50 m	RMC		DN15 – DN50	Dezincification resistant material and comply with AS/NZS 3688 Stainless Steel seat Not buried	Not used - Private Plumbing facility	Use is subject to acceptance by SP	Use is subject to acceptance by SP	Use is subject to acceptance by SP	
532			NEFA								

A	B	C	D	E	F	G	H	I	J	K	
Product	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	City of Gold Coast	Logan City Council	Redland City Council	QUU	Unitywater	
Category: WATER SUPPLY MISCELLANEOUS ITEMS											
533											
534	Detectable marker tape 318 4.1 - Tape/Product Colour - Drinking Water = Blue preferred (Green accepted via SP approval). Non-Drinking Water = Purple. Sewerage = Cream 4.2 - Message = "Caution PRODUCT Buried Below" 4.3 - SS 316 tracer wire 4.4 - See 4.1 above	Boddington								UW accepts only blue detectable marker tape for drinking water	
535		Tapex									
536		LWG Zurn									
537	Tracer wire	343 As per specifications	Tapex	Copperhead	500, 1000 and 2500 (feet)	For HDD and Pipe bursting etc. Components of test station, connector and grounding anode are accepted	Use is subject to acceptance by SP		Use is subject to acceptance by SP	Use is subject to acceptance by SP	
538	Loose PE sleeving to DI pipe	320	Viadux	BLUEBOSS blue		Mandatory sleeving to all DI pipe Colours are Blue for Drinking Water and Purple for Non Drinking Water to POP203					
539		Crevet									
540	PVC - M conduits	209	Vinidex	Hydro S1		PN12 Series 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.	
541		4.1 - PN12 4.2 - Water Service Conduit 4.3 - Series 1 SCJ 4.4 - White for Water Conduit 4.5 - SCJ only	Iplex								
542		Viadux									
543	Embedment material - crushed rock	351 4.1 - Single sized. 4.2 - Nominal 5 or 7 mm									
544	Embedment material - recycled concrete	366 4.1 - Single sized 10 mm nominal 4.2 - Moisture Content by design	Queensland Recycling				NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	NOT ACCEPTED BY SP	
545	Bedding sand	AS/NZS 2566.2 Table G3 for sand.					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	Main pipe use is subject to acceptance by SP Service pipe use mandatory		
546	Concrete	357 4.1 - N20 for Thrust Blocks and Unreinforced embedment. N25 for reinforced embedment 4.2 - Slumps as required for placement				Normal class					
547	Security fencing				AS1725.1 Chain Link Fabric Fencing-powder coated black	Fence details generally to CoGC Standard Drawing 05-014	Fence details generally to CoGC Standard Drawing 05-014	Fence details generally to CoGC Standard Drawing 05-014	Use is subject to acceptance of SP		
548	Casing Spacers	324 4.1 - Carrier pipes OD from 100mm to 1668mm 4.2 - Min space between carrier pipes and encasing pipes 50mm	kwik-ZIP	kwik-ZIP	HDX Series with Runner height of 38, 65, 90 and 125 mm	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes			Use is subject to acceptance by SP		
549	Plastic marker post	1- Comply with Main Roads specification MRS11.14	Park International		1350 mm Long x 100 mm Wide x 4 mm Thick	As per SEQ-WAT-1300-2					
550	Kerb Markers	No WSA - PS	All products meeting the specified requirements are accepted		Brass at DN40 (cast-in) or SS at DN38 (cast-in or Pin set) with 22 high lettering	As per SEQ-WAT-1300-1			Only Brass markers accepted for conduit markers	Only Brass markers accepted	
Category: EMERGENCY STORAGE CHAMBERS											
551											
552	Underground Storage Chamber	Envirotank Pty Ltd	Envirotank - Water/Wastewater Tank		From 4.8 m x 1.2 m dia. (5kl) to 16.4 m x 3.0 m dia. (110kl)	Fibreglass construction As per SEQ-SPS-1402-1	Use Accepted - 30 Year Warranty	Use Accepted - 30 Year Warranty	Use Accepted - 30 Year Warranty	Use is subject to acceptance by SP	Use Accepted - 30 Year Warranty
553		Rocla	Concrete Detention System		Conc. Box units (2.4 m modules) Conc. Pipe units (2.44 m modules)	Reinforced Concrete - Sacrificial layer or Plastlined 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
554		Humes									
555		Rocla	Plastic Detention System 'Plastream'		1.5 m to 2.25 m dia (10kl to 250kl)	PE spirally wound steel-reinforced pipe As per SEQ-SPS-1402-1		Use is subject to acceptance by SP			NOT ACCEPTED BY SP
556		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 is subject to acceptance by SP
557		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		
558		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