Product	B WSAA Product Specification No. with Service Provider Specific Requirements	C Manufacturer / Supplier	D Trade Name	E Size Range	F Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	J South Burnett Regional Council
Size Range Size ranges need to be read	oduct Specifications are available from www.wsaa.asn.au . Section 4 of th in conjunction with the relevant clauses of the SEQ versions of the WSA intact the service provider to determine if the use of this product is accept	A Codes (e.g. Water Supply Code Clause	3.1.1; Sewerage Code Clause 10.6;	Pressure Sewerage Code Clau	se 4.5.3.1; etc.) Blank Cells In the five columns under the service pro			ne, and the products' trade name, appear on the list.		
3 Category: SEWERAG	SE PIPES AND FITTINGS - NON PRES	SURE								
4	230	lplex Vinidex	DWV PIPE DWV SEWER	DN100 150 225 300 375						
6	4.1 - Plain Wall 4.2 - Elastomeric Seal	Viadux	D-FLO	DIV100 130 223 300 373			DN100	at SN10, DN150 and larger at SN8 and Fittings at SN8 m	ninimum	
7 8 PVC-U pipe and fittings - DWV system	4.3 - Stiffness as per 230.2.(c) or as required by SP 4.4 - RRJ @ SBR & EPDM	Micron Pipelines	Micron Pipelines	DN100 - DN300	No.					
9 PVC-U pipe and fittings - DVVV system	211	Pipemakers lplex	Pipemakers		Plain wall only accepted					
10	4.1 - PN12 4.2 - Deep Sewers or Minimum Cover	Vinidex		-			Mandatory	for sewers deeper than 3 metres and for sewers with mini	imum cover	
PVC-U Pressure pipe Sewer using 11 Standard DWV Junctions	4.3 - Standard Packaging & Delivery 4.4 - Series 1	Viadux		DN150 225 300				All details to be confirmed with SP		
	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					
12	200 and WSAA TN6	Viadux	Tytonxtreme	DN100 - 750						
13	4.1 - PN35 4.2 - Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp							NOT ACCEPTED BY CD		
14	4.3 – CAC cement lining 4.4 – Zinc/Bitumen coating	Crevet / Iplex	Irontite	DN100 - 750	1			NOT ACCEPTED BY SP		
Ш	4.5 - By design 4.6 - SBR and EPDM		100	B				Hard sold of the second		
15	4.7 - PE sleeving is required on all DI pipes unless pipe manufacturer/supplier can guarantee it is not needed following	Saint-Gobain	Integral Zinalium	DN100 - 750				Use is subject to acceptance by SP		
DI pipe	comprehensive soil testing and risk assessment  203			+	CAC cement lining Internal lining would be required, either Epoxy or Sintaline					
16 Steel pipe	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 Ny design To SFC Code Standards	Steel Mains	Sintapipe							
17	240 4.1 - Type B - ID Series 4.2 - SN10,000	Vinidex Iplex	SewerPRO SewerMAX	DN150 - 900 DN225 - 600						
19 Polypropylene (PP) pipe	4.3 - RRJ @ SBR & EPDM	Enviropipes	EnviroPipe	DN150 - 900	1			Use is subject to acceptance by SP		
20	207 4.1 - Minimum PN8 SDR21 PE100	lplex	POLIplex							
21 22	4.2 - Gravity Sewer fully welded	Vinidex DMG	Sewertech Hi-Vis	-						
23	4.3 - Pipes lengths for DN160 and larger with coils accepted for DN110	Viadux Poly Pipe	SewerFlex	DN110 160 250 315 400						
25 PE pipe - NuSewers	4.4 - External colour light grey Solid or Striped with Internal	Enviropipes	Enviropressure	500 630 800 1000 1200						
27	208	George Fischer / Ipex Friatec / Vinidex			1					
28	4.1 - PN10 preferred 4.2 - Electrofusion or butt welding	Plasson	Lightfit							
29	4.3 - Couplings and Saddles 4.4 - Bolting Flanges not required.	Agru Fusion Group/FusionPlast	AGRU Fusamatic	Up to DN630	1		Spigot end	ded fittings, flanged tees and flanged saddles are not accept	pted by SP	
30	4.5 - Elastomeric Seals not permitted And Electrofusion fitting Standards AS4129, EN1555, EN12201,						5,500		,	
31 PE fittings - Moulded	EN13244-4	NUPIGECO	Elofit	DN110 to DN630	Electrofusion fitting to be long type.					
32	<b>216</b> 4.1 - PN10 preferred	Vinidex			Electrofusion fitting to be long type.					
$\vdash$	4.2 - Electrofusion or butt welding Including Sweep Bends, MH Connectors, Sediment Traps, Tee and	lplex			PE MH connectors shall have Hydrophilic seals both sides of puddle flange.					
PE fittings - Fabricated	Bends for drop pipes and Sweep Junctions.				F					
34	231 4.1 - DN100/150 Crushing Strength 34, DN225 and larger Class 160	Hepworth	Supersleeve							
35 VC pino	4.2 - Sp-Soc and Sleeve Coupling 4.3 - All seal materials accepted	Steinzeug Keramo  Naylor / Rocla	Keramo Denlok	DN100-1200				May only be used as jacking pipes		
36 VC pipe	201	Crevet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DIN 100-1200						
DI IO bends or X Drop fitting	4.1 - Sp-Soc ends to serve PVC-U DWV pipe     4.2 - Refer Standard drawings	VP-d			All Di fittings to be wrapped			NOT ACCEPTED BY SP		
38	4.3 - Standard RRJ for accept PVC-U DWV pipe 4.4 - SBR & EPDM	Viadux								
39	235 4.1 - Need for adaptor bushes where difference between OD of pipe	Flex-Seal	Flex-Seal	Up to DN600						
40 Metal-banded flexible coupling	4.1 - Need for adaptor business where difference between OD or pipe and ID of coupling greater than 16 mm     4.2 - Metal band and bolts shall be min SS316	DEKS	DEKS shear banded coupling	DN100 to DN225	1					
41	270	Viadux	Gibault - Ezigib & Varigib							
42	4.1 - PN16 4.2 - All pipe materials except PE	Crevet	Gibault & Universal							
43 44	4.3 - Long Series 4.4 - Straight Soc-Soc	AVK Viking Johnson	Gibault & Universal MaxiFit & QuickFit							
45	4.5 - Stepped coupling require SP approval 4.6 - Flange end not used	Derwent			Long type					
46 DI mechanical couplings - Non End Thrust Restraint	4.7 - SBR & EPDM	DEKS Daemco	DEKS FLEXI-GIB Reinoversal	DN80 to DN600 Up to DN 600	All DI fittings to be wrapped DI must have thermal bonded polymeric coating					
Product	B WSAA Product Specification No. with Service Provider Specific Requirements	C Manufacturer / Supplier	Trade Name	E Size Range	F Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
	233	Rocla								
48	4.1 - Class 4 4.2 - Bends not permitted 4.3 - In corrosive soils coat external face with 250 micron DFT							Use is subject to acceptance by SP		
	High Build Epoxy 4.4 - Lifting holes not permitted			1				ose is subject to acceptance by SP		
49 Reinforced Concrete pipe	4.5 - 2.0 mm PE sheet Factory cast-in liner with Invert overlapped but not welded 4.6 - No additional cover	Humes								
Nonnorous contente pipe	No WSA-PS 4.1 - Class to suit design	lplex	Meyer pipe							
50	4.1 - Class to suit design 4.2 - Bends not permitted 4.2 - Compliance with ACTM D C700 DIN 54045 4 and DIN 54045 0			J		l	Use is sub	pject to acceptance by SP Coupling Grade 316 Stainless S	Steel (min.)	

	4.3 - Compliance with ASTM U 6783, DIN 54815-1 and DIN 54815-2	Global Pipe	Al Watani	1	1			,	/	
51 Polycrete pipe	4.4 - SBR and EPDM Sewer Pipe and Jacking Pipe approved			DN200 to 2600						
CC-GRP (centrifugally cast) pipe and										
Fittings - Sewer Pipe	4.1 - PN1									
	4.2 - SN10,000 minimum 4.3 - Soc-Sp RRJ	Superlit / Clover Pipelines	Superlit	DN400 - DN1400	Sewer Pipe			Use is subject to acceptance by SP		
52	4.4 - Standard Glass 4.5 - SBR & EPDM									
	205S	Flowtite / Iplex	Flowtite	DN300 - DN3000						
53	4.1 - As per product									
	4.2 - PN1 4.3 - SN10,000 minimum	Global Pipe	Fiberstrong	DN300 - DN4000				Harris and in the constant of the OD		
54	4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH							Use is subject to acceptance by SP		
55 FW-GRP (filament wound) pipe and	Couplings 4.5 - Soc-Sp RRJ	Superlit / Clover Pipelines	Superlit	DN300 - DN3000						
Fittings - Sewer Pipe	4.6 - Standard Glass				Sewer Pipe					
56	205J 4.1 - As per product	Hobas / Global Pipe	Hobas	DN250 - DN3600						
	4.2 - Pressure Class by design									
57	4.3 - Stiffness Class by design 4.4 - Jacking Load by design	Empire Infrastructure	BOSSPIPE	DN300 - DN2000				Use is subject to acceptance by SP		
CC-GRP (centrifugally cast) pipe and	4.5 - 316 Stainless Steel (min) or GRP couplings	Superlit / Clover Pipelines	Superlit	DN400 - DN1400						
Fittings - Jacking Pipe	4.6 - SBR & EPDM 4.7 - Pipe Lengths to manufacturers requirements				Jacking pipes					
	206J	Flowtite / Iplex	Flowtite	DN300 - DN3000	Jacking pipes					
	4.1 - As per product 4.2 - Pressure Class by design									
FW-GRP (filament wound) pipe and	4.3 - Stiffness Class by design							Has is subject to assentance by CD		
Fittings - Jacking Pipe	4.4 - Jacking Load by design 4.5 - 316 Stainless Steel (min) or GRP couplings							Use is subject to acceptance by SP		
	4.6 - SBR & EPDM									
59	4.7 - Pipe Lengths to manufacturers requirements 4.8 - Standard Glass									
60		b.1	Flap valve	DN50 to DN300						
61		lplex	Reflux valve fabricated	DN100						
62		Vinidex	Flap valve	DN50 to DN100						
Ш										
60 61 62 63		Hygrade Water	WaStop Non-return valves	DN75 to DN200						
64		Fluid Control	Red valve - Tideflex check	DN50 to DN2400						
Non-return valves	No WSA-PS		valves		All Di fittings to be wrapped					
65 66 67 68		Pentair Challenger	Keystone Challenger		Body stainless steel Grade 316. Gate stainless steel Grade 316.					
67		Challenger AVFI	Challenger AVFI		Gland Follower stainless steel Grade 304 or		Subject	ct to meeting the corrosion resistance requirements in Col	ımn F	
68	266	HMA Valveco	HMA Valveco		<ol> <li>Spindle stainless steel grade 304 or 316. Yoke/Pillar/Bridge stainless steel Grade 304 or 316.</li> </ol>				•	
69	4.1 - PN10 4.2 - Wafer or Lugged	AVK (Note: This is the only vendor complying	AVK		Seat EPDM, NBR, RTFE or Viton. All fasteners stainless steel					
Knife gate valve - Stainless Steel	4.3 - Clockwise closing, rising spindle	with 316 SS throughout)		Up to DN600	Grade 316.					
Knife gate valve - Fabricated Stainless	s 266 4.1 - PN1	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	4.1 - PN1 4.2 - Lugged				stainless steel Grade 316. Seat EPDM. All fasteners stainless steel Grade 316.					
	4.3 - Clockwise closing, rising spindle									
70	(Note: This is a low pressure type gate valve, suitable only for sewer	Pentair	Keystone							
71		Fentali	Reystorie		Body and Gland Follower ductile iron with fusion bonded polymeric coating external to 300 μm, internal to 350 μm (min.)					
		Challenger	Challenger		or high-build two-pack epoxy to 275 μm (min.).					
72					Gate stainless steel Grade 316. Spindle stainless steel Grade 316. Yoke / Pillar / Bridge carbon steel with fusion bonded					
72 73	266	AVFI	AVFI		polymeric coating to 300 µm or high-build two-pack epoxy to 275					
H	4.1 - PN10 4.2 - Wafer or Lugged	AVK	AVK		μm (min.). Seat EPDM, NBR, RTFE or Viton. All fasteners stainless steel Grade 316.					
74 Knife gate valve - Ductile iron body	4.3 - Clockwise closing, rising spindle			Up to DN600	All DI fittings to be wrapped					
A	WSAA Product Specification No.	C Manufacturer / Supplier	D Trade Name	Cina Danga	F Specified Requirements / Minimum Class	K Cumpic Regional Council (CRC)	G	H Bundahara Pasianal Caunail (BBC)	North Burnett Beginnel Council	South Burnett Barianal Council
Product	with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Category: SEWERA	AGE PIPES AND FITTINGS - PRESSURI	E								
76	209	lplex	BLUERHINO							
77	4.1 - PN16	Vinidex								
78 79	4.2 - Sewer Rising main 4.3 - Series 2 only		Hydro	DN100 150 200 225 250 300 & 375						
80 PVC-M pipe		Viadux	Hydro TUF-FLO	300 & 375				NOT ACCEPTED BY SP		
81	4.4 - Cream refer POP203	Viadux Micron Pipelines Pipemakers	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain					NOT ACCEPTED BY SP		
1: 1	210	Viadux Micron Pipelines	Hydro TUF-FLO Micron Pipelines	300 & 375				NOT ACCEPTED BY SP		
82	210 4.1 - PN16	Viadux Micron Pipelines Pipemakers	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain	300 & 375 DN100 - DN300				NOT ACCEPTED BY SP		
82 83	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main	Viadux Micron Pipelines Pipernakers Iplex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE	300 & 375  DN100 - DN300  DN100 150 200 225 250				NOT ACCEPTED BY SP		
82 83 84 DVO O 22	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375						
82 83 84 PVC-O pipe 85	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375				NOT ACCEPTED BY SP  Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Viadux Vinidex Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel LINX-GP	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375	PN20			Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Vinidex Viadux	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375	PN20					
82 83 84 PVC-O pipe 85 86 87 88 89 90	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375	PN20 PN20, CAC lining for corrosive flows			Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88 89 90 91	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Ppelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Viadux Vinidex Viadux Vinidex Vinidex Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150				Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88 89 90 91	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150				Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88 89 90 91	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150				Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88 89 90 91 92	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Viadux Vinidex Viridex Viridex Viridex Viridex Viridex Viridex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Aphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel Irontite	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows			Use is subject to acceptance by SP		
82 83 84 pvC-O pipe 85 86 87 88 89 90 91 92 93	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxool LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxool Irontite LINX-GP ZAP-GP ZAP-GP	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150				Use is subject to acceptance by SP		
82 83 84 PVC-O pipe 85 86 87 88 89 90 91 92 93	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxoel Irontte LINX-GP ZAP-GP TYONXTREME LINX-GP TYONXTREME LINX-GP TYONXTREME LINX-GP TYONXTREME LINX-GP TYONXTREME LINX-GP TYONXTREME	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows			Use is subject to acceptance by SP PN20 NOT ACCEPTED BY SP		
82 83 84 PVC-O pipe 85 86 87 88 99 90 91 92 93 94 95 96	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApoloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows		About	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe;	locks:	
82 83 84 PVC-O pipe 85 86 87 88 99 91 92 93 94 95 96 97	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Ppelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Viridex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxoel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxoel Irontite	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows			Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; eground applications; Combining joint estraint and thrust to Epoxy of fusion coated spigots (incl Tytonextreme pipe);	locks;	
82 83 84 pvC-O pipe 85 86 87 87 88 89 90 91 92 93 94 95 96 97 98	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApoloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows			Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; eground applications; Combining joint restraint and thrust to Epoxy or fusion coated spigots (incl Tytonextreme pipe). Other manufacturers sockets or other pipe materials.		
82 83 84 PVC-O pipe 85 86 97 98 99 91 92 93 94 95 96 97 98 99	210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Sewer Rising main 4.4 - Series 2 only, Cream refer POP203	Viadux Micron Ppelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Viridex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxoel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxoel Irontite	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows PN35		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; eground applications; Combining joint estraint and thrust to Epoxy of fusion coated spigots (incl Tytonextreme pipe);	contact with air/gas continuously or intermittently.	
82 83 84 PVC-O pipe 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99	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	Viadux Micron Ppelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel LINX-GP LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-HAC	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows PN35		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
82 83 84 PVC-O pipe 85 86 87 88 89 90 91 92 93 94 95 96 97 98	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	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Enviromain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxoel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxtreme LINX-HAC Tytonxtreme LINX-HAC Tytonxtreme LINX-HAC Tytonxtreme LINX-HAC Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
82 83 84 pvC-O pipe 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	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  200 and WSAA TN6 4.1 - All Pressure Classes - see Column F 4.2 - Seal Coat not required for Sewerage	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC ZAP-HAC Tytonxtreme LINX-HAC Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme LINX-HAC LINX-HAC ZAP-HAC Tytonxcel LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
82 82 83 9VC-O pipe 85 86 87 88 99 90 91 92 93 94 95 96 97 98 99 100 101 102	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  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	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-HAC ZAP-HAC Tytonxcel LINX-HAC ZAP-HAC Tytonxcel LINX-HAC Tytonxcel LINX-GP ZAP-GP Tytonxcel LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
82 83 84 PVC-O pipe 85 86 87 88 99 90 90 90 90 90 90 90 90 90 90 90 90	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  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	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP Tytonxtreme LINX-HAC LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme	300 & 375 DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
82 83 84 PVC-O pipe 85 86 87 88 99 99 100 101 102 103 104	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  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 - SR8 and EPDM	Viadux Micron Pipelines Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-HAC ZAP-HAC Tytonxcel LINX-HAC ZAP-HAC Tytonxcel LINX-HAC Tytonxcel LINX-GP ZAP-GP Tytonxcel LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	
76 77 78 79 80 PVC-M pipe 81 82 83 84 PVC-O pipe 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104	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  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-alluminium alloy coating, unless pipe	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Vinidex Micron Pipelines Pipernakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE  Supermain Micron Pipelines  Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxtreme LINX-HAC Tytonxcel Irontite LINX-GP Tytonxtreme LINX-HAC LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-HAC Tytonxcel LINX-GP ZAP-GP Tytonxtreme LINX-GP ZAP-GP Tytonxtreme	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	PN20, CAC lining for corrosive flows  PN35  PN35  PN35, CAC lining for corrosive flows  Flange Class  Flange Class, CAC lining for corrosive flows  PN35 with CAC lining: Flange Class with CAC		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust Epoxy or fusion coated spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in with non-corrosive linings shall be used. All linings of pipe	contact with air/gas continuously or intermittently.	
33 2 2 33 3 3 4 PVC-O pipe 5 35 36 37 38 39 34 4 35 56 37 38 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30	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  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 Ritings to be Fusion Bonded Polymeric Coated 4.5 - Restraint Joint Seals by approval 4.6 - SBR and EPDM 4.7 - PE Steeving is required on ALL DI pipes, including those	Viadux Micron Pipelines Pipernakers Iplex Vinidex Micron Pipelines Pipernakers Vinidex Micron Pipelines Pipernakers Viadux Vinidex	Hydro TUF-FLO Micron Pipelines Pipemakers Envirormain ApolloBLUE  Supermain Micron Pipelines Alphamain  Tytonxcel LINX-GP ZAP-GP Tytonxteren LINX-HAC ZAP-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxteren LINX-HAC ZAP-HAC Tytonxcel Irontite LINX-GP ZAP-GP Tytonxteren LINX-HAC ZAP-HAC Tytonxcel LINX-HAC ZAP-HAC Tytonxcel LINX-HAC ZAP-HAC Tytonxcel LINX-GP ZAP-GP Tytonxcel LINX-GP ZAP-GP Tytonxcel LINX-GP ZAP-GP Tytonxteren LINX-GP ZAP-GP Tytonxteren LINX-HAC ZAP-HAC	300 & 375  DN100 - DN300  DN100 150 200 225 250 300 & 375  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)  DN100 150 200 250 300 375 450 500 600 & 750 (not 225)	PN20, CAC lining for corrosive flows  PN35  PN35, CAC lining for corrosive flows  Flange Class		Cement mortar lining of any type is not permitted	Use is subject to acceptance by SP  PN20 NOT ACCEPTED BY SP  Restraint joint seals not suitable for: PN20 pipe; ground applications; Combining joint restraint and thrust to Epoxy or fusion coaled spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials. at locations where there is a potential of the pipe lining in.	contact with air/gas continuously or intermittently.	

The content of the	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, including those with zinc-alluminium alloy coating, unless pipe manufacturer/supplier can guarantee it is not needed following comprehensive soil testing and	VonRoll / Reece	Ducpur/ Ecopur	DN80 - 700	Polyurethane internal protection			Use is subject to acceptance by SP		
Marie   Mari	112 113 DI fittings - bends, tapers, tees/branches,	4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by approval	Crevet / [plex Vinidex Denwent Gillies Himgiri Castings/Galvin Engineering / CivilPines Dobbie Dico	Crevet Superlink Galvin Dobbie	Up to DN750 (not 225) DN100 & DN150 DN80 to DN300 DN100 to DN250	WSA PS 201 and WSA PS212			reground applications; Combining joint restraint and thrust l Epoxy or fusion coated spigots (incl Tytonextreme pipe); Other manufacturers sockets or other pipe materials.		
March   Marc	115 Bolts								Grade 316 Stainless Steel (min.)		
Ministry	116	· ·	Crevet		DN100 to DN300						
March   Marc				-							
Company   Comp											
Part	Repair Couplings	270				pipes only, to Pipe manufacturers specifications					
	120	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	lant (lands Was	Unio	DNAGE IN DNAGE				Use is subject to acceptance by SP		
March   Marc		20 mm minimum 4.2 - PN16	nawie / nygrade watei	паки	DN 125 (0 DN 355	accordance with manufacturers recommendations					
Manual Content   Manu	Vacuum Valve coupling use only	and ID of coupling greater than 16 mm			·				NOT ACCEPTED BY SP		
Manual	A Product	B WSAA Product Specification No.	C Manufacturer / Supplier	Trade Name	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Control	1		шаначана у баррио	Trado Hamo	0.25 mange	Gpoomed requirements , imminum Glass	Cympie riogienal Council (Cricy)	Trassi seast neglenal sealish (i site)	Daniaaborg Regional Council (2006)	Total Daniel Regional Council	Count Duriott Rogional Country
Total	124	270	Viadux	Gibault - Ezigib & Varigib							
1	125	4.1 - PN16	Crevet	Gibault & Universal							
18   18   18   18   18   18   18   18	126	4.3 - Long Series									
1	128		Derwent			1					
Second Content		4.6 - Flange end not used									
Part			Daenico	Removersal	Op 10 DN 000						
Ministry	131	4.1 - PN16 4.2 - DI and PE	Restraint (Gripper Type)	PN16 Restraint for AC, PVC, DICL, SCL, PE				Use of Hawle System 2000 is	s subject to acceptance in Acid Sulphate Soils and Saline or	coastal environmental locations	
1	122	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		for AC, PVC, DI, SCL, PE							
Majorial Volta, Fig. 20 of a plane of the	Restraint (Gripper Type)	4.7 - SBR & EPDM & Nitrile And SS316 bolts, nuts and washers	Nova Siria/Hygrade Water	for PE Multigrip	DN350-DN1400				Use is subject to acceptance by SP		
1	136	Aligned to WSA_PS 201 and 270 with Flanges to AS 4087 Figure B5	12/09	Vario	DN50 - DN200						
130   130	138		Viking Johnson			PN16.					
March   Marc	140 Dismantling joints for Flange Pipe and	4.3 - Thrust Restraint by Fitting				Larger sizes of UniFlange shall be assessed for available Fitting		ι	Uni-flange to be used within pit or aboveground locations or	nly	
PC   Pop Hys Stress Crask, Resistant (PSCR) Pop Hys Stress Crask, Resistant (PSCR) Pop Hys Hys Stress Crask, Resistant (PSCR) Pop Hys Hys Stress Crask, Resistant (PSCR) Pop Hys	4.44 Fittings	4.4 - SBR & EPDM	AVFI	AFD10 Series							
PC   Pop Hys Stress Crask, Resistant (PSCR) Pop Hys Stress Crask, Resistant (PSCR) Pop Hys Hys Stress Crask, Resistant (PSCR) Pop Hys Hys Stress Crask, Resistant (PSCR) Pop Hys	143 144 145	207 4.1 - PN16	Vinidex DMG Viadux	Sewertech Hi-Vis					PE is preferred pipe material		
PE per High Stress Crack Resistant (HSCR) Pythythylmi Pee   High Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pee	146 147	4.2 - Sewer Rising main			DNA0 50 62 00 425 490						
PE per High Stress Crack Resistant (HSCR) Pythythylmi Pee   High Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pythythylmi Pee   Stress Crack Resistant (HSCR) Pee	148	4.4 - Cream refer POP203	Enviropipes	Enviropressure	250 315 355 450 560 630	wire.					
HySCR  Polyethylene Pipe	PE pipe - High Stress Crack Resistant		ACP	ACP		For directional drilling and pipe bursting installations, minimum			Use is subject to acceptance by SP		
Friater / Vinidex	(HSCR) Polyethylene Pipe	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		Millennium HSCR PE	250 315 355 450 560 630	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					
208 2(a) - ASNZS4129 or EN1525 or EN12201 or EN13244 is acceptable 4.1 - PN16 4.2 - Electrofusion and but weld 4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges &S backing rings to ASNZS 4087 Fig B5 or B7 4.5 - SB 4.1 - PN16 4.5 - SB 4.1 - PN16 4.1	151										
2(a) - ASNZS4129 or EN1555 or EN12201 or EN13244 is acceptable acceptable 4.1 - PN16  4.2 - Electrofusion and but weld 4.3 - Cauchings, Reducers, End Cags, Bends, Tees, Stub Flanges 4.4 - Flanges & SS backing rings to ASNZS 4087 Fig B5 or B7  4.5 - SR & EPDM  50  4.1 - PN16  4.1 - PN16  60  60  60  60  60  60  60  60  60	152	200		Frialen							
4.1 - PN16 4.2 - Electrofusion and butt weld 4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges & SS backing rings to AS/NZS 4087 Fig B5 or B7 4.5 - SBR & EPDM  NUPIGECO  Eloft DN20 to DN710 Stub flange may only to be used for DN450 and larger sizes.  157 4.1 - PN16  DN80/DN100 Slotted flanges & Sacking rings suit both DN80 and DN100 to Slotted flanges suit both DN80 and DN100 to Slotted flanges suit both DN80 and DN100 to Slotted flanges is subject to acceptance by SP  Use of stub flanges is subject to acceptance by SP  Use of stub flanges is subject to acceptance by SP  Use of stub flanges is subject to acceptance by SP	153			ACRII	Up to DNIego	ļ					
155 4.2 - Electrofusion and but Weld 2.5 - Sub Flanges 4.2 - Electrofusion and but Weld 2.5 - Sub Flanges 4.3 - Couplings, Reduces, End Caps, Bends, Tees, Stub Flanges 8.5 backing rings to AS/NZS 4087 Fig B5 or B7  156 PE fittings  157 A.1 - PN16  158 Planges & SS backing rings to AS/NZS 4087 Fig B5 or B7  NUPIGECO  Eloft  DN20 to DN710  Slotted flanges & DN80/DN100  Slotted flanges & Sobacking rings suit both DN80 and DN100 to WSAA 98/50  WSAA 98/50  WSAA 98/50		4.1 - PN16				1					
208 Plasson DN80/DN100 Slotted flanges & backing rings suit both DN80 and DN100 to WSAA 98/50 Use of stub flanges is subject to acceptance by SP	100	4.3 - Couplings, Reducers, End Caps, Bends, Tees, Stub Flanges 4.4 - Flanges & SS backing rings to AS/NZS 4087 Fig B5 or B7						Spigot en	nded fittings, flanged tees and flanged saddles are not acce	epted by SP	
4.1 - PN16 WSAA 98/50						Slotted flanges & backing rings suit both DN80 and DN100 to			Use of stub flanges is subject to acceptance by SP		
	157		lplex		Up to DN355			1	_ ,, , <del>.</del>	1	1
158 4.4 - Flange standard AS/NZS 4087 B5 or B7 Friatec / Vinidex Frialen Up to DN180 Metal insert in the flange, backing rings not required Use is subject to acceptance by SP		4.3 - Full Face Flange with SS backing ring		Frialen				1	Use is subject to acceptance by SP	1	
4.5 - SBR & EPDM	159	4.5 - SBR & EPDM			·			_	out to appear to acceptance by or	1	1
216 Rodney / Vinidex Maxi Stub Up to DN355 Full bore connection 4.1 - PN16 4.1 - PN16 4.2 - Flectrofusion and butt weld	160	4.1 - PN16	roaney / vinidex	Maxi Stub	υρ το DN355	Full bore connection			1		1

		_	1							
	203 4.1 - MPa 1.6 minimum									
	4.2 - DN by Design subject to SP approval									
	4.3 - Seal Coat not required									
Steel pipe	4.4 - Sintakote minimum for above ground	Steel Mains	Sintapipe	DN324 - 813	RRJ unless otherwise approved			Use is subject to acceptance by SP		
Cition pipe	4.5 - Joint requirements by Design 4.6 - Cathodic Protection by design	Cool mans	Синариро	BROZ 1 010	Title dilloco outor moo approved			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	4.7 - Standard pressure tests									
	4.8 - Sintapipe lining									
161	4.8 - Sintapipe lining 4.9 - SBR & EPDM									
	No WSA-PS WSAA Materials Fact Sheet No:2 Selection of Stainless Steels				Min. Grade 316 Min. PN16					
Stainless Steel Pipe	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	Flange to AS4087 Fig B5			Use is subject to acceptance by SP		
162	Work Madelale Fact Greek No. 5 Fabricating Stamped Stock									
102		AVK	Series 57 (light type only for	Up to DN400			I	1		
			DN100 & 150)	Up to DN400 Up to						
	4.1 - PN16		Series 570 Series 36/80 Series 01/71	DN300 Up to DN300 DN450 to 600						
463	4.2 - All End configurations accepted		01//1 Series 55	DN450 to 600	For PE pipes					
163	4.3 - Integral By-pass on DN450 and larger (Unitywater accepts	Hawle	E2		PE gripper Sluice Valves by Hawle E2 System 2000 or AVK		Lice of Hour	le System 2000 is subject to acceptance in Acid Sulphate S	Soils and Solina	
164	either integral or constructed by-pass as per job specification)	Tiawie	LZ		Supa Plus Coupling Series 01/70 or equal Sluice Valves with PE stubs for electrofusion acceptable.		Use of Flaw	coastal environmental locations.	ouis and Same	
	4.4 - Gear Box on DN600 and larger (Refer Mechanical List) 4.5 - FCRC and NBRC only accept valves with clockwise close;	Viadou	Series 500	DN200 - DN300	Some valves may not need by-pass (check with SEQ SPs).		1	1	1	•
165	BRC, GRC and SBRC only accept valves with anti-clockwise	Viadux	Auslite II Auslite III	Up to DN 400	All DI fittings to be wrapped					
400	close	Voren / Chellenger			4					
166	4.6 - No requirement for spindle cap colour	Karon / Challenger AVFI	Karon	DN80 - DN600						
166 167 168	4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap	Betta	BETTA	DN100 - DN375			1	Use is subject to acceptance by SP		
169 170 Resilient seated gate valves, thermal	4.9 - SBR & EPDM	AAP Industries	Maxiflo/appFLO	DN80 to DN300	WSAA Appraisal 11/26 Issue 2		1			
170 Resilient seated gate valves, thermal 171 bonded polymeric coating		Derwent Industries	Derwent	DN80 - DN600 DN80 to DN300	WSAA Appraisal 1511 WSAA Appraisal 1517 (10/05/16)					
171 Bondod polymono codaling	B	DAEMCO C.	D	DN80 to DN300	W SAA Appraisal 1517 (10/05/16)	К	G	Н	1	.1
Product	WSAA Product Specification No.	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
1	with Service Provider Specific Requirements									
	274	Denteir Off- door	Ver -t	Lie te DNICO						
172	274 4.1 - PN16	Pentair / Viadux	Keystone	Up to DN50						
H	4.2 - Body material: 316 stainless steel	A)/F1	V/4 Coring 4 Discriber 2	DNC DNC Str	DCDT the control of t					
ll	4.3 - by product	AVFI	V1 Series - 1 Piece V2 Series - 2 Piece V3 Series - 3 Piece V2FH	DN8 - DN50 DN8 - DN100 DN8 - DN100	BSPT threaded connections Sutiable for sewage					
1/3 Roll Volume	4.4 - BSPT thread 4.5 - Clockwise closing		Series- Flanged	DN15 - DN50						
Ball Valves	-		<del> </del>	ļ	DI Fittings to WSA PS 201 for Tees and Bends			1	L	
CC-GRP (centrifugally cast) pipe and Fittings - Sewer Pipe	237S 4.1 - PN1				טו Fittings to wSA PS 201 for Tees and Bends					
9	4.2 - SN10,000 minimum	Superlit / Clover Pipelines	Superlit	DN400 - DN1400			Llse is st	ubject to acceptance by SP Coupling - Grade 316 Stainless	Steel (min.)	
1 1	4.3 - Soc-Sp RRJ	ouponit/ olover ripelliles	Опролік	511 100 - DIN 1400			Coe is su			
174	4.4 - Standard Glass 4.5 - SBR & FPDM									
	205S	Flowtite / Iplex	Flowtite	DN300 - DN3000						
175	4.1 - As per product									
	4.2 - PN1 4.3 - SN10,000 minimum	Global Pipe	Fiberstrong	DN300 - DN4000	1					
176	4.4 - Bends, T-piece, Y-piece, Saddles, Reducers, Flanges and MH	· ·					Use is su	ubject to acceptance by SP Coupling - Grade 316 Stainless	Steel (min.)	
FW-GRP (filament wound) pipe and	Couplings	Superlit / Clover Pipelines	Superlit	DN300 - DN3000	1					
177 Fittings - Sewer Pipe	4.5 - Soc-Sp RRJ 4.6 - Standard Glass				DI Fittings to WSA PS 201 for Tees and Bends					
178		ABB	ABB					ABB Water master		
179	No WSAA PS	Siemens	Siemens					Use is subject to acceptance by SP		
180	4.1 - Flange to AS4087 Figure 5	E&H	E&H					Use is subject to acceptance by SP		
180 181 Flowmeter - Network Meter	4.1 - Fiange to A54067 Figure 5 4.2 - PN16	E & H Emerson	E & H Emerson							
A	4.2 - PN16 B	Emerson C	Emerson D	E Size Pange	F Specified Requirements / Minimum Class	K Gymnia Pagional Council (GPC)	G Fracer Coast Perional Council (FCPC)	Use is subject to acceptance by SP	North Rurnett Pagional Council	South Burnett Pegional Council
180 Flowmeter - Network Meter  A  Product	4.2 - PN16  B  WSAA Product Specification No.			E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)		North Burnett Regional Council	J South Burnett Regional Council
Product	4.2 - PN16  B  WSAA Product Specification No. with Service Provider Specific Requirements	Emerson C	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	l North Burnett Regional Council	South Burnett Regional Council
Product	4.2 - PN16  B  WSAA Product Specification No. with Service Provider Specific Requirements	Emerson C	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product	WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS 290	Emerson C	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product	## B B WSAA Product Specification No. with Service Provider Specific Requirements  ### E MISCELLANEOUS ITEMS    Provident	Emerson C Manufacturer / Supplier  Gatic / Milne	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	J South Burnett Regional Council
Product	WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type	Emerson C Manufacturer / Supplier	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 B2 Category: SEWERAG 183 184	## B B WSAA Product Specification No. with Service Provider Specific Requirements  ### E MISCELLANEOUS ITEMS    Provident	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	J South Burnett Regional Council
Product  182 Category: SEWERAG  183  184  185	4.2 - PN16  WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290  4.1 - DN600  4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Rocking of cover in frame not permitted	Emerson C Manufacturer / Supplier  Gatic / Milne	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  182 Category: SEWERAG  183  184  185	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top (Conc Infill - QUU only) Sealed Type 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	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  182 Category: SEWERAG  183  184  185	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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).	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP	North Burnett Regional Council	J South Burnett Regional Council
Product  182 Category: SEWERAG  183  184  185	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Rocking of cover in frame not permitted 4.6 - Liffing 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	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge	Emerson D	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  182 Category: SEWERAG  183  184  185	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - QUI require QUI cast in as per Standard Drawings	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock)  Webforge Tellam Durham	Emerson D	E Size Range		K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	J South Burnett Regional Council
182 Category: SEWERAG 183 184 185 186	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam	Emerson D	E Size Range	Refer Standard Drawings. Covers with another Service Provider's name not accepted.	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS 290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock)  Webforge Tellam Durham	Emerson D	E Size Range	Refer Standard Drawings. Covers with another Service Provider's name not accepted. Use of Square and Rectangular Covers and Frames subject to	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
182 Category: SEWERAG 183 184 185 186	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS 290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Coading 4.12 - Bolt down for Surcharge and overland flow areas, 4 x M8	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade	Emerson D Trade Name	E Size Range	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	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top (Conc Infill - QUU only) Sealed Type 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 - Ish Standarde 4.13 - Ish Standarde 4.14 - Shandarde 4.15 CRAMAR AND	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock)  Webforge Tellam Durham	Emerson D	E Size Range	Refer Standard Drawings. Covers with another Service Provider's name not accepted. Use of Square and Rectangular Covers and Frames subject to	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - D01600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - Nu Standarde 292 4.1-DNc=450 Round 4.2-DN360 min clear opening 4.3-Standard Lifting Key	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream	Emerson D Trade Name	E Size Range	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	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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) S\$316 Bolts 4.1 - DN540 Solts Bolts 4.1 - DN540 Mind Red Solts Red Solts Red	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream	Emerson D Trade Name  Smartstream Top Hat-P8HDS	E Size Range	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 DI-Class D	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - D01600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - Nu Standarde 292 4.1-DNc=450 Round 4.2-DN360 min clear opening 4.3-Standard Lifting Key	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream	Emerson D Trade Name  Smartstream Top Hat-P8HDS	E Size Range	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 DI-Class D	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 B2 Category: SEWERAG  183  184  185  186  187  188 Maintenance structure covers, frames and risers  189  190	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Rocking of cover in frame not permitted 4.6 - Liffing Key as per Standard Drawings 4.7 - Markings to A\$3996 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) S\$316 Bolts  4.1 - DNc=450 Round 4.2-DN560 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  Syl Foundry/Aymroo	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS 290 4.1 - D0600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Hing. 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 - Nu Standarde. 292 4.1-DNc=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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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) S\$316 Bolts 4.1 - DN5-e450 Round 4.2-DN360 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYl Foundry/Aymroo  Terra Firma	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - hu Standarde 292 4.1-DN>=600 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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  Syl Foundry/Aymroo	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - No Standarde 292 4.1-DN:e450 Round 4.2-DN860 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 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-No bolt down required	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - hu Standarde 292 4.1-DN>=600 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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYl Foundry/Aymroo  Terra Firma	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 191 Maintenance shaft covers, frames and risers DNc=450 192	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - Nu Standarde 292 4.1-DNs=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 4.2-DN8600 min clear opening 4.3-Standard Lifting Key 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.2-DN8600 min clear opening 4.3-Standard Lifting Key 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.7-Bolt down for Surcharge and overland flow areas, 2 x M8 min	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H  Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A53996 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 - hu Standarde  292 4.1-DN>=600 Round 4.2-DN360 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A53996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required 4.2-DN500 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A53996 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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 4.3 - 600 mm Clear Opening 4.4 - Class B and Class D 4.5 - Rocking of cover in frame not permitted 4.6 - Liffing 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 - Not Standarde 292 4.1-DN560 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 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	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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) S\$316 Bolts 4.1 - DN560 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required 4.2-DN500 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 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 S\$316 Bolts  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - Ju Standarde  292 4.1-DNs=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1 182 Category: SEWERAG 183 184 185 186 187 188 Maintenance structure covers, frames and risers 189 190 Maintenance shaft covers, frames and risers DNc=450 192 193 Maintenance hole lightweight composite	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A53996 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 4.1 - JNS-450 Round 4.2-DN860 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A53996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required  292 4.1-DNS-600 Round 4.2-DN800 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A53996 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - Ju Standarde  292 4.1-DNs=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock)  Webforge  Tellam  Durham  Hygrade  Smartstream  Smartstream  SYI Foundry/Aymroo  Terra Firma  ACO SAKU	Emerson D Trade Name  Smartstream Top Hat-P8HDS  Smartstream Top Hat-P8PEC		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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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  4.1 - DNS60 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required  292  4.1 - DNS60 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 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  290  4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Packaging and Delivery 4.12 - Bolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - Justandarde  292 4.1-DNS=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class S Coerital Hinge not required 4.8 - Hand grip lifting points 4.9 - Standard Packaging and Delivery	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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) S\$316 Bolts 4.1 - Low Standards 4.2 - DN360 min clear opening 4.3 - Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5 - Standard packaging 4.6-No specific markings required 4.7 - No bolt down required  292 4.1-DN560 min clear opening 4.3 - Standard Lifting Key 4.4-Markings to A\$3996 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 S\$316 Bolts  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Packaging and Delivery 4.12 - Bolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - Justandarde  292 4.1-DNS=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class S Coerital Hinge not required 4.8 - Hand grip lifting points 4.9 - Standard Packaging and Delivery	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - QUI 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 - No Vatandarde  292 4.1-DNs-=600 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 4.2-DN500 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 4.7-Bolt down for Surcharge and overland flow areas, 2 x M8 min SS316 Bolts  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements 4.11 - No requirements 4.12 - 4 x 3/6" Alien Key SS 316 Bolts	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS 290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 - QUI require QUU cast in as per Standard Drawings 4.11 - Standard Packaging and Delivery 4.12 - Bolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - Nu Standarde 292 4.1-DN>=450 Round 4.2-DN860 min clear opening 4.3-Standard Lifting Key 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.5-No specific markings required 4.7-No bolt down required 4.2-DNS60 min clear opening 4.3-Standard Lifting Key 4.4-Markings to AS3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.5-No specific markings required 4.7-Bolt down for Surcharge and overland flow areas, 2 x M8 min SS316 Bolts 290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements 4.11 - Single Step	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge Tellam Durharn Hygrade Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites	Emerson D Trade Name  Smartstream Top Hat- P8HDS Smartstream Top Hat- P8PEC Aymroo  MC1000-Manway Cover	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Packaging and Delivery 4.12 - Dolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - Justandarde  292 4.1-DNs=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements 4.1 - No requirements 4.1 - No requirements 4.1 - No requirements 4.1 - Single Step 4.2 - Complies with Figure 5.10 of AS1657 4.3 - Steel bar internal with Plastic encapsulation or SS316	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites  Treloar  Milyama / Nextep Aymroo	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo  MC1000-Manway Cover  Mlyama Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 A\$3996 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) S\$316 Bolts 4.1 - DN5-450 Round 4.2-DN860 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 Clause 1.6 (a) to (f) 4.5-Standard packaging 4.6-No specific markings required 4.7-No bolt down required 4.2-DN800 min clear opening 4.3-Standard Lifting Key 4.4-Markings to A\$3996 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 S\$316 Bolts  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements 4.11 - No requirements 4.11 - No requirements 4.11 - No requirements 4.12 - 4 x 3/8" Allen Key S\$ 316 Bolts  314 4.1 - Single Step 4.2 - Complies with Figure 5.10 of A\$1657 4.3 - Steel bar internal with Plastic encapsulation or \$\$316	Emerson C Manufacturer / Supplier  Gatic / Milne East Jordan (Havestock) Webforge Tellam Durharn Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites  Treloar	Emerson D Trade Name  Smartstream Top Hat- P8HDS Smartstream Top Hat- P8PEC Aymroo  MC1000-Manway Cover	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council
Product  1	B WSAA Product Specification No. with Service Provider Specific Requirements  E MISCELLANEOUS ITEMS  290 4.1 - DN600 4.2 - Round Solid Top ( Conc Infill - QUU only ) Sealed Type 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 Packaging and Delivery 4.12 - Dolt down for Surcharge and overland flow areas, 4 x M8 (min) SS316 Bolts 4.13 - Justandarde  292 4.1-DNs=600 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 4.2-DN3600 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  290 4.1 - DN1000 4.2 - Two part round 4.3 - 920 mm Clear Opening 4.4 - Class C 4.5 - Rocking of cover in frame not permitted 4.6 - Hand grip lifting points 4.7 - No requirements 4.8 - Central Hinge not required 4.9 - Standard Packaging and Delivery 4.10 - No requirements 4.1 - No requirements 4.1 - No requirements 4.1 - No requirements 4.1 - Single Step 4.2 - Complies with Figure 5.10 of AS1657 4.3 - Steel bar internal with Plastic encapsulation or SS316	Emerson C Manufacturer / Supplier  Gatic / Milne  East Jordan (Havestock) Webforge Tellam Durham Hygrade  Smartstream Smartstream SYI Foundry/Aymroo Terra Firma ACO SAKU Prime Composites  Treloar  Milyama / Nextep Aymroo	Emerson D Trade Name  Smartstream Top Hat-P8HDS Smartstream Top Hat-P8PEC Aymroo  MC1000-Manway Cover  Mlyama Aymroo	360 mm clear opening	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 DI-Class D  PE - Class B  CI - Class B  Composite - Class B and D  Composite - Class B  Composite - Class B	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Use is subject to acceptance by SP  H Bundaberg Regional Council (BRC)  Concrete Infill Covers NOT ACCEPTED BY SP  Use is subject to acceptance by SP  Use is subject to acceptance by SP	North Burnett Regional Council	South Burnett Regional Council

200	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	Miyama / Nextep	Miyama		Fibre reinforced plastics (yellow). Brackets & Fasteners to be \$\$316  Min. Clearances for Rung Type Ladders as per A\$1657 Fixed Platforms, Walkways, Stairways and Ladders - Design and Installation					
201	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	Industrial Steps & Ladders	Add-A-Step		Revised installation procedure WSAA Product Update 1-2011, Subject to WSAA appraisal 5/11 and WSAA Product Alert 1- 2010. Brackets as per manufacture specification. Fasteners to be SS316. Bright yellow.			NOT ACCEPTED BY SP		
202 203 Ladders		Galvanised Steel Stainless Steel or Aluminium			Refer to Standard Drawings			[	I	
204	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	Aymroo	Aymroo					DN225 risers not accepted. Min DN300 risers are accepte	ad.	
205 Maintenance Shaft PVC	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	SMS	SMS # MS3 DN150 Only	DN225 PVC-U Riser Shaft	Configurations of "Central Axis" maintenance shaft (CAMS) are not accepted					
Maintenance Shafts PE	322 4.1 - As per Standards 4.2 - As per Specifications 4.3 - As per Standards 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 PVC Sewer connection Electrofusion 4.8 - Cap as shown in Standard Drawings 4.9 - As per Standard Drawings 4.10 - Max depth 3.0 metres FSL to Invert of Pipe	Smartstream	Poo-Pit		RIGSS DN225 PVC riser shaft. Nusewer fully welded with DN250 PE risers and sewer stubs.			DN225 risers not accepted. Min DN300 risers are accepte	ed.	
Product A	WSAA Product Specification No.	C Manufacturer / Supplier	Trade Name	E Size Range	F Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Maintenance Shafts Polypropylene - DN425 and DN600 risers	with Service Provider Specific Requirements  337, 341  4.1 – DN425 and DN600 Risers 4.2 – Polypropylene Riser 4.3 – DN425 SN4 & DN600 SN8 riser pipe 4.4A – DN425 Base with DN150 sewer 4.4B – DN600 Base with DN150/225 sewer 4.5 – In-line and bends and tees 4.6 – Base and Riser ribbed 4.7A – EPDM or SBR Ring Joints RIGSS 4.8 – No locking or relief cap 4.9 - Standard MH surround, cover and frame 4.10-Max depth 3.0 meters to Invert of Sewer Pipe	lplex	EZIpit PA 09/01 & PA 09/1-2 SMS		Refer Standard Drawings		Approved for DN150 to DN2	25 RIGSS only as per cell B, Base is single DN size, NOT	ACCEPTED FOR NUSEWER	
208 Maintenance Shafts Polypropylene - DN225 and DN300 risers	4.1 – DN225 and DN300 Risers 4.2 – PVC Riser 4.3 – SN8 riser pipe 4.4 - DN150 sewer 4.5 – In-line and bends and tees 4.6 – Base ribbed, Riser Solid Wall PVC 4.7 – EPDM or SBR Ring Joints RIGSS 4.8 – Locking relief cap as per Standard Drawings 4.9 - Standard MH surround, cover and frame 4.10- Max depth 3.0 meters to Invert of Sewer Pipe	SMS REHAU	PA 09/08 parts 0 to 5 Code: MS1 Code: MS2 Code: MS5 OD400-GD (Type H12) OD400- RML (Type H13)		Refer Standard Drawings			Approved for DN150 RIGSS only. DN225 risers not accepted. Min DN300 risers are accepte	ad.	
210 211 Pre-cast Maintenance Holes	323 4.1a - DN1000 minimum MH 4.1b - DN600 minimum MS 4.2 - Configurations as per Standard Drawings 4.3 - No step irons or ladders 4.4 - Elastomeric and Butyl rubber seals accepted 4.5 - Calcareous aggregates no additional cover 4.6 - No special treatments 4.7 - Base format as per SEQ SP approval 4.8 - Configurations as per Standard Drawings	Humes Rocla		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			Pre-cast MHs accepted Use of MS is subject to acceptance by SP		
Pre-cast Concrete Converter Slab for Cast In-situ MHs	No WSA-PS Refer Standard Drawings	Everhard			Refer Standard Drawings Calcareous aggregates to be used					
213 Cast in-situ MHS Plastic Maintenance Holes 214	No WSA-PS Refer details of Type K1 on SEQ-SEW-1314-2 Minimum DN1000	Tellam Smartstream	Smart Pit	DN150 to DN300 sewers	Refer Standard drawings  Max depth FSL to Invert of Pipe is 3.0 meters					
215 Vent selec	chamber and DN600 neck 325	RPC Technologies		-	Refer Standard Drawings Tapered, Galvanised, height as			Use is subject to acceptance by SP		1
Vent poles 216 217	Project Specific outcome Product Appraisal Report PA 0906 for RPC	Ingal EPS Viadux			design preferred colour: heritage or mist green			Minimum accepted Height 6.0 m		T
218 219 220 Valve box and cover C.I. & D.I.	No WSA-PS Refer details on SEQ-WAT-1305-1 and SEQ-WAT-1305-2	NIBF Gatic / Milne Tellam		<u> </u>	Refer Water Code Standard Drawings for approved Valve Box and Cover					
221 Loose PE sleeving to DI pipe 222 Embedment meterial arrished rook	320 Cream Colour to POP203	Viadux Crevet	BLUEBOSS Cream		Mandatory sleeving to all DI pipe					
Embedment material - crushed rock 223	351 4.1 - Single sized			<u> </u>						
Embedment material - recycled concrete 224	366 4.1 - Single sized 10 mm nominal 4.2 - Moisture Content by design	Queensland Recycling						NOT ACCEPTED BY SP		
Concrete-Normal Class 225	357 As follows N20 Thrust Blocks N25 for reinforced embedment 4.2 - Slump as required for placement							Calcaragua aggresata sina ta ha 10 a sa sa sa		
Concrete-Special Class (for Maintenance hole and for concrete in aggressive environment)  226  227	338 4.1 - SCC40 with Fly Ash/Type SR Portland Cement ratio of 0.25 to 0.30. 4.2 - Slump as required for placement	ARI Flow control						Calcareous aggregate size to be 10mm minimum. Admixtures shall be non-chloride type	T	
227 228 229 230 231	Refer Appendix B of AS4883 Size of Valve - DN50 BSP, DN50 to DN200 Flanged. Class of valve - PN16 Type of Port - Full and Reduced port Type of Valve - As per design	Bermad Vent-O-Mat Odour Technologies AVFI	Vinloc-Smartvalve ARV-3-N		PN16, Anti Slam as required, Thermal bonded polymeric					
232 Gas release valves 233	needs 264	ISCO HMA Valveco	Vent Master PX Valmatic Swing-flex	DN50-DN200 DN50 - DN600	coating or 316 Stainless steel			l	L	<u> </u>
234 235	Refer Appendix B of AS4794 a) Class - PN16 min - Size by Design b) Medium - Sewage	Dobbie Dico AVK	Dobbie Dico AVK Swing Check Valve 41/25	DN80-DN900 DN50				NOT ACCEPTED BY SP		

						_		NOT ADDEL TED BY OF		
236 Non-return valves -	c) Installation - Horizontal d) Spindle - Extended	AVK	AVK Swing Check Valve 41/8X	DN80-DN300				NOT AGGET TED BY G		
237 Swing check with counterweight lever	e) Lever and Counterweight minimum with switches and indicators by	Challenger Valves	Challenger - RSSC	DN80-DN375	l					
238 am	Design	AVFI Pty Ltd HMA Valveco	AVFI - RSFC Valmatic Swing-flex	DN50-DN300 DN50 - DN600	MIN. PN16, Thermal bonded polymeric coating		1		ī	
240	264	Dobbie Dico	Dobbie Dico	DN80-DN900			1		l	
244	Refer Appendix B of AS4794 a) Class - PN16 min - Size by Design	AVK	AVK Swing Check Valve 41/25	DN50	1					
241	b) Medium - Sewage	AVK	AVK Swing Check Valve 41/8X	DN80-DN300	,			Line is subject to accordance by CD		
Non-return valves -	c) Installation - Horizontal d) Spindle - Extended							Use is subject to acceptance by SP		
Tice acting (without counterweight)	j) Flanged to AS 4087 Figure B5	Challenger Valves	Challenger - RSSC	DN80-DN375	Į.					
244 Swing Check		AVFI Pty Ltd Vinidex	AVFI - RSFC	DN50-DN300	MIN. PN16, Thermal bonded polymeric coating					
245	230	Villidex			DWV uPVC Moulded Fitting reinforced to SEQ Standards.					
	4.1 - Plain Wall only	lplex			Type D Junction from moulded fittings welded and fibreglass wrapped.					
246	4.2 - Solvent Cement joints for Fabricated assemblies with Elastomeric Seal on Fitting Socket Ends		D O		45 Deg Oblique Jn and Property Connection bends and		DN100	at SN10, DN150 and larger at SN8 and Fittings at SN8 m	ninimum	
247	4.3 - Pipe DN100 @ SN6 min and Pipe DN150 and larger SN8 min.	Fabfit	Deep Sewer Junction & Reinforced Fittings such as		Inspection Tees fibreglass wrapped. Fabricator has Certification to Section 6 of AS/NZS 1260 and		Divide	o at 51415, D14155 and larger at 5145 and 1 kings at 5146 in		
PVC-U Fabricated Fittings Fibreglass	Fittings SN6 min 4.4 - RRJ @ SBR & EPDM	M.E. Christensen	Oblique Junctions and House		fittings Fibreglass wrapped as shown on the drawings SEQ-					
reinforced PVC Type 'D' junctions & fittings	4.4 - KKJ & SBK & EFDIW	W.E. Christensen	Connection Bends and Inspection Tees	DN100-300	SEW-1104-1 and SEQ-SEW-1105-1.					
A	В	С	D	E	F	К	G	Н		J
Product	WSAA Product Specification No.	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
1	with Service Provider Specific Requirements									
249	236	Vinidex								
250	4.1 - SN8 minimum 4.2.1 - DN150 only, 3.0 metres radius as a heat formed bend	below								
250	with standard socket and spigot RRJ ends. No ovality variation	lplex								
251	permitted.	Tri Underground								
252	4.2.2 - DN225 only, 3.0 metres radius preferred, spigot spigot ends as a heat formed bend or as a fibreglass wrapped									
202	fabricated bend with 7.5 degree segments with 300 mm to 400	Fabfit								
H	mm segment length on inside springline	M.E. Christensen		DNI450 on house in a Discour	AS/NZS 1260 SN8					
PVC-U SN8 long radius bends	4.2.3 - All long radius bends by Certified fabricators to AS/NZS 1260 Section 6		Long radius 3000 mm bends	DN150 as bent pipe & DN225 as bent or fabricated pipe	DN150 Bends available from 5Deg to 45Deg. DN225 and larger individually fabricated to 45Deg.					
, and an an		Boddingtons		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,					
254	318									
H	4.1 - Tape/Product Colour - Drinking Water = Blue Non-Drinking Water = Purple.	Tanay		-						
255	Sewerage = Cream	Tapex								
	4.2 - Message = "Caution ASSET DESCRIPTION Buried Below" or "Danger Buried ASSET DESCRIPTION Below"									
	4.3 - SS 316 tracer wire	Rain Harvesting	421							
256	4.4 - See 4.1 above									
Detectable marker tape				500 4000 10500	Assessed as Oak Object FUID and Oak Object Visions Facility					
	4.1 - CCS shall be AISI 1055 grade or higher			500, 1000 and 2500 (feet)	Approved are SoloShot EHS and SoloShot Xtreme For HDD and Pipe bursting etc.					
	4.2 - Wire gauge Shall be 12 or thicker			, ,	Components of test station, connector and grounding anode are					
I L .	4.3 - Minimum 520Kg	_			accepted					
Tracer wire	4.4 - Minimum 45mil 4.5 - minimum 1%	Tapex	Copperhead							
	4.6 - as per standards									
057	4.7 - as per standards									
257 Security fencing	4.8 - Blue for Water Supply, Purple for Recycled Water and				AS1725.1 Chain Link Fabric Fencing-powder coated black					
236										
259 Hydrophilic Seal	324		Hydrotite	HDX Series with Runner	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes					
Casing Spacers	4.1 - Carrier pipes OD from 100mm to 1668mm	kwik-ZIP	kwik-ZIP	height of 38, 65, 90 and						
casing Spacers	4.2 - Min space between carrier pipes and encasing pipes 50mm	KWIK-ZIF	KWIK-ZIF	125 mm						
Protective lining & coating (including PE	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM list	Refer to Mechanical IPAM	Refer to Mechanical IPAM list			Refer to Mechanical IPAM list		
lining)				list						
262 Camlock	D			-	S/Steel 316	V		Maximum DN100		
Product	WSAA Product Specification No.	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
1	with Service Provider Specific Requirements									
263 Cotos - WATER C	HIDDLY DIDEC BRECOVER									
264	UPPLY PIPES - PRESSURE	lplex	Reiber Blue	I	T					
264 265 266 267	4.1 - PN16	Vinidex	Hydro Blue	DN100 to DN300	1					
266	4.2 - Drinking Water	Viadux	Tuf-Flo		a a					
267 PVC M pins	4.3 - Series 2 only							NOT ACCEPTED BY SP		
268 PVC-M pipe	4.4 - Blue	Micron Pipelines	Micron Pipelines	DN100 to DN300	Sorios 2 DN46 Min CN 40 Daileas das account			NOT ACCEPTED BY SP		
I cool	45-SRR & FPDM	Pipemakers	Micron Pipelines Pipemakers Enviromain		Series 2 PN16, Min SN 10 Reiber ring accepted		T	NOT ACCEPTED BY SP		
269	4.5 - SRR & EPDM 210	Pipemakers lplex	Micron Pipelines Pipemakers Enviromain Apollo Blue	DN100 to DN300  DN100 to DN300	Series 2 PN16, Min SN 10 Reiber ring accepted		Γ	NOT ACCEPTED BY SP		
270	4.5 - SRR & FPDM 210 4.1 - PN16 4.2 - MRS400 or MRS450	Pipemakers	Micron Pipelines Pipemakers Enviromain		Series 2 PN16, Min SN 10 Reiber ring accepted			NOT ACCEPTED BY SP		
270	4.5 - SRP & FPDM  210  4.1 - PN16  4.2 - MRS400 or MRS450  4.3 - Water main	Pipemakers Iplex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain	DN100 to DN300				NOT ACCEPTED BY SP		
270 271	4.5. SRP & FPDM 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 No-	Pipemakers Iplex Vinidex Micron Pipelines	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines	DN100 to DN300  DN100 - DN375	Series 2 PN16, Min SN 10 Reiber ring accepted Series 2 PN16, Min SN 10 MRS400 or MRS450			NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe	4.5 - SRP & FPDM  210  4.1 - PN16  4.2 - MRS400 or MRS450  4.3 - Water main	Pipemakers Iplex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain	DN100 to DN300				NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines	DN100 to DN300  DN100 - DN375				NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe 273	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel	DN100 to DN300  DN100 - DN375				NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe 273 274	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain	DN100 to DN300  DN100 - DN375				NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe 273 274	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450			NOT ACCEPTED BY SP		
270 271 272 PVC-O pipe 273 274	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP	DN100 to DN300  DN100 - DN375						
270 271 272 PVC-O pipe 273 274 275 276	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450			Seal coat on pipes >= 450		
270 271 272 pvC-O pipe 273 274 275 276	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450		PN20 - Us		suitable for:	
270 271 272 PVC-O pipe 273 274 275 276	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Viadux Crevet / Iplex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450		PN20 - Us	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. e is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications.	suitable for:	
270 271 272 pvC-O pipe 273 274 275 276 277	4.5 - SRP & EPDM  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 No-Drinking Water refer POP203	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Viadux Crevet / Iplex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450		PN20 - Us	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. te is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks;		
270 271 272 PVC-O pipe 273 274 275 276 277 278	210 210 210 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Viadux Crevet / Iplex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450 PN 20		PN20 - Us	Seal coat on pipes >= 450 Seal coat requirement is dependant on water quality. e is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications.		
270 271 272 pvC-O pipe 273 274 275 276 277 278	210 210 210 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM 200 4.1 - All Pressure Classes - see Column F	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Violetx Violetx Violetx Violetx Violetx Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP ZAP-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		
270 271 272 pvC-O pipe 273 274 275 276 277 278 279 280	4.5 - SRP & FPDM  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 No-Drinking Water refer POP203  4.5 - SBR & EPDM  200  4.1 - All Pressure Classes - see Column F  4.2 - As per Standards	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Visidux Crevet / Iplex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP ZAP-GP Flange Class	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450 PN 20		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		
270 271 272 PVC-O pipe 273 274 275 276 277 278 279 280 281	210 210 210 210 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM  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	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Violetx Violetx Violetx Violetx Violetx Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP ZAP-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150	Series 2 PN16, Min SN 10 MRS400 or MRS450 PN 20		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		
270 271 272 PVC-O pipe 273 274 275 276 277 278 279 280 281	210 210 210 210 21.1 PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM  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	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Visidux Crevet / Iplex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Enviromain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP ZAP-GP Flange Class	DN100 to DN300  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	Series 2 PN16, Min SN 10 MRS400 or MRS450  PN 20  PN 35		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		
270 271 272 PVC-O pipe 273 274 276 277 278 279 280 281	210 210 210 210 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM  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	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Viadux Crevet / Iplex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Envirormain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontae LINX-GP ZAP-GP Flange Class LINX-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	Series 2 PN16, Min SN 10 MRS400 or MRS450 PN 20		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		
270 271 272 PVC-O pipe 273 274 275 276 277 278 279 280 281	210 210 210 210 21.1 PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM  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-alluminium alloy coating, unless pipe	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Viridex	Micron Pipelines Pipemakers Envirormain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontite LINX-GP ZAP-GP Elange Class LINX-GP ZAP-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	Series 2 PN16, Min SN 10 MRS400 or MRS450  PN 20  PN 35  Flange Class		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: 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.		
269 270 271 272 272 274 275 276 277 278 279 280 281 282 DICL pipe	210 210 210 210 4.1 - PN16 4.2 - MRS400 or MRS450 4.3 - Water main 4.4 - Series 2 only, Blue for Drinking Water and Purple for No-Drinking Water refer POP203 4.5 - SBR & EPDM  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	Pipemakers Iplex Vinidex Micron Pipelines Pipemakers Viadux Vinidex Vinidex Vinidex Vinidex Viadux Crevet / Iplex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex Vinidex	Micron Pipelines Pipemakers Envirormain Apollo Blue Supermain Micron Pipelines Alphamain Tytonxcel LINX-GP ZAP-GP Tytonexcel Irontae LINX-GP ZAP-GP Flange Class LINX-GP	DN100 to DN300  DN100 - DN375  DN100 to DN150  DN250 - 750 (not 225)	Series 2 PN16, Min SN 10 MRS400 or MRS450  PN 20  PN 35		PN20 - Us	Seal coat on pipes >= 450  Seal coat requirement is dependant on water quality. se is subject to acceptance by SP Restraint joint seals not: PN20 pipe; Aboveground applications; Combining joint restraint and thrust blocks; Epoxy or fusion coated spigots (ficel Tytonextreme pipe);		

1 1	202									
DI Pipe - ISO	4.1 – K9-PN35 4.2 – Soc-Soc & Sp-Sp & FI-FI & FI-Soc/Sp 4.3 – Restrained Joints on Zinc/Bitumen coated pipe 4.4 – Pohyurethane without seal coating 4.5 - Only Polyurethane coating on aerial pipes 4.6 – SBR, EPDM or NBR 4.7 - PE sleeving is required on ALL DI pipes, including those with zinc-alluminum alloy coating, 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		
Small DN Ductile Iron Water Main pipe at 285 PE OD's		Saint-Gobain PAM	BLUTOP	DN75-DN160	Restrained Joints PN16 Unrestrained joints PN25			Use is subject to acceptance by SP		
SCL pipe 286 287	203 4.1 - MPa 1.6 minimum 4.2 - DN by Design subject to SP approval 4.3 - Seal Coat required for DN450 and larger 4.4 - 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 option 4.9 - SBR & EPDM	Steel Mains Iplex	Sintakote	OD114, 168, 219, 257, 273, 324 to 2159.	Minimum thickness DN100 - 4.8 mm, >DN100 - 5 mm			Seal Coat requirement is dependant on water quality		
288 289 290 291	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	Vinidex DMG Cromford Poly Pipe	ldenti-pipe  Advantage/TYCO10		PE100 PN16 Blue colour - solid or striped for drinking water Purple colour -					
292	4.4 - Mains Colour Blue Solid for Drinking Water and Purple solid for Non-Drinking Water with Water Service pipe Black with	Viadux	_	ļ	solid for non-drinking water For directional drilling installations, minimum SDR 9 (PN20					
293	Blue Stripes for Drinking Water and Purple solid for Non- Drinking Water, refer POP203.	Enviropipes	Enviropressure	OD25 32 40 50 63 90 125 180 250 315 355 450	PE100) unless specified otherwise and install with SS316 tracer wire.					
294 PE pipe PE pipe - High Stress Crack Resistant	4.5 - PE100 only 207, POP016	ACP	ACP	560 630 800 DN25 32 40 50 63 90	Pipe wall thickness to be designed for installation forces.  For directional drilling and pipe bursting installations, minimum			Use is subject to acceptance by SP	<u> </u>	
(HSCR) Polyethylene Pipe	4.1 - PN16 minimum 4.2 - Drinking and Non-Drinking Water 4.3 - Pipse 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 - HSCR PE100 only	lplex	Millennium HSCR PE	125 180 250 315 355 450 126 180 250 315 355 450 560 630 800	SOR 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.					
Copper pipe 296	214 4.1 - Annealed for all pipe	Port Kembla Copper						Use is subject to acceptance by SP		
CC-GRP (centrifugally cast) pipe and Fittings - Water main	4.2 - SMatural nine colour 237 4.1 - PN16 minimum 4.2 - SN 10,000 minimum 4.3 - Sp-Sp RRJ Coupling and FI Joints 4.4 - Standard Glass	Superlit / Clover Pipelines	Superlit	DN400 - DN1400	Minimum SN10000, PN16			Use is subject to acceptance by SP		
Product A	B WSAA Product Specification No.	C Manufacturer / Supplier	Trade Name	E Size Range	F Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	J South Burnett Regional Council
1	with Service Provider Specific Requirements					., , , , , , , , , , , , , , , , , , ,		,		• • • • • • • • • • • • • • • • • • •
298	<b>205</b> 4.1 - DN300 and larger	Flowtite / Iplex	Flowtite	DN300 - DN3000						
299	4.2 - PN16 minimum 4.3 - SN 10,000 minimum	Global Pipe	Fiberstrong	DN300 - DN4000				Use is subject to acceptance by SP		
300 FW-GRP (filament wound) pipe and Fittings - Water main	4.4 - Standard bend forms permitted 4.5 - Sp-Sp RRJ Coupling and FI Joints 4.6 - Standard Glass	Superlit / Clover Pipelines	Superlit	DN300 - DN3000	Minimum SN10000, PN16					
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		
Δ	D									
Product	WSAA Product Specification No. with Service Provider Specific Requirements	C Manufacturer / Supplier	D Trade Name	E Size Range	F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product					F Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Product  1  302  Category: WATER SL 303 304  Lightweight Di bends, tees/branches &	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201 4.1 - Soc-Soc, Soc-Fi & Fi-Fi	C Manufacturer / Supplier  Viadux Dobbie Dico	Trade Name  Auslite Dobbie	E Size Range  DN100 & DN150 DN100 to DN150	Lightweight fittings Thermal bonded polymeric coating	K Gympie Regional Council (GRC)	-	H Bundaberg Regional Council (BRC)  strained Joint Rubber Rings (Tyton-lok) subject to accepta		South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201	Viadux	Auslite Dobbie Galvin	DN100 & DN150		K Gympie Regional Council (GRC)	-			South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201 4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering.	Auslite Dobbie	DN100 & DN150 DN100 to DN150	Lightweight fittings Thermal bonded polymeric coating	K Gympie Regional Council (GRC)	-	strained Joint Rubber Rings (Tyton-lok) subject to accepte		South Burnett Regional Council
Product  1  302  Category: WATER SL 303 304  Lightweight Di bends, tees/branches &	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  201  4.1 - Soc-Soc, Sp-Sp, Fi-Fi, Soc-Sp, Soc-Fi & Sp-Fi 4.1 - Soc-Soc, Sp-Sp, Fi-Fi, Soc-Sp, Soc-Fi & Sp-Fi	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering CivilPipes Viadux Crevet / lplex Vinidex Denwent Gillies Himigiri Castings/Galvin Engineering	Auslite Dobbie Galvin Tyton Joint	DN100 & DN150 DN100 to DN150	Lightweight fittings Thermal bonded polymeric coating	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepte	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 307 308 309 310 311 312 DI bends, tapers, tees/branches,	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PNI6 fittings 4.3 - By approval  201  4.1 - Soc-Soc, Sp-Sp, Fi-Fi, Soc-Sp, Soc-Fi & Sp-Fi 4.2 - Standard and PNI6 fittings 4.3 - Restraint Joint Seals by SP approval	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico	Auslite Dobbie Galvin Tyton Joint Crevet Superlink Galvin Dobbie	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 307 308 309 310 311	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval 4.0 - SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering.	Auslite Dobbie Galvin Tyton Joint Crevet Superlink Galvin	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 307 308 309 310 311 312 DI bends, tapers, tees/branches,	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PNI6 fittings 4.3 - By approval  201  4.1 - Soc-Soc, Sp-Sp, Fi-Fi, Soc-Sp, Soc-Fi & Sp-Fi 4.2 - Standard and PNI6 fittings 4.3 - Restrait Joint Seals by SP approval 4.4 - SBR & EPDM  270  4.1 - PNI6	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight Di bends, tees/branches & connectors 305 306 307 308 309 310 311 312 Di bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315 316	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  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  270  4.1 - PN16 4.2 - All pipe materials except PE 4.3 - Long Series	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering Civil/Pipes Viadux Crevet / lplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering Civil/Pipes Dobbie Dico Mallet Viadux	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigb & Vari-Gib	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 Lightweight Di bends, tees/branches & connectors 305 306 307 308 309 309 310 311 312 Di bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  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  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigib & Vari-Gib Gibault & Universal Multigib	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 308 309 310 311 312 DI bends, tapers, tees/branches, connectors, risers & caps/blank ends 314 315 316 317 318 319 DI mechanical couplings - Non End	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  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  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Denwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Denwent DEKS	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  / Galvin Dobbie Mallet Gibault Ezigb & Vari-Gib Gibault & Universal Multigib DEKS FLEXI-GIB	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 Lightweight Di bends, tees/branches & connectors 305 306 307 308 309 310 311 312 Di bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315 316 317 318	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201 4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval 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  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Derwent	Auslite Dobbie Galvin Tyton Joint Crevet Superfink  Galvin Dobbie Mallet Gibault Ezigh & Varl-Gib Gibault & Universal MaxiFit, QuickFit DEKS FLEXI-GIB Reinoversal Synoflex PN16 Restraint coupling	DN100 & DN150  DN100 to DN150  DN100 & DN150  Up to DN750  DN100 & DN150  DN80 to DN300  DN100 to DN250  DN80 to DN750  Up to DN750	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type	Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 308 309 310 311 312 DI bends, tapers, tees/branches, connectors, risers & caps/blank ends 314 315 316 317 318 319 DI mechanical couplings - Non End	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  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  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Denwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Denwent DEKS	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigib & Vari-Gib Gibault & Universal MaxiFit, QuickFit  DEKS FLEXI-GIB Reinoversal	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta Use is subject to acceptance by SP	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 306 307 308 309 310 311 312 DI bends, tapers, tees/branches, connectors, risers & caps/blank ends 314 315 316 317 318 319 DI mechanical couplings - Non End	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - Restraint Joint Seals by SP approval 4.4 - SBR & EPDM  270  4.1 - PN16 4.2 - All ppe 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  271 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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Denwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Denwent DEKS Daemoo	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigib & Vari-Gib Gibault & Universal Multigib Gibault & Universal Muskfit, QuickFit  DEKS FLEXI-GIB Reinoversal Synoflex PN16 Restraint coupling for AC, PVC, DICL, SCL  Multi/ joint 3000 Plus restraint type for AC, PVC, DICL, SCL	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	K Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta  Use is subject to acceptance by SP  strained Joint Rubber Rings (Tyton-lok) subject to accepta	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 Lightweight DI bends, tees/branches & connectors 305 306 307 308 309 309 310 311 312 DI bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315 316 317 318 319 DI mechanical couplings - Non End 320 Thrust Restraint 321  DI mechanical couplings - End Thrust Restraint 322  DI mechanical couplings - End Thrust Restraint 323 (Gripper Type)	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fl & Fl-Fl 4.2 - PN16 fittings 4.3 - By approval  4.1 - Soc-Soc, Sp-Sp, Fl-Fl, Soc-Sp, Soc-Fl & Sp-Fl 4.2 - Standard and PN16 fittings 4.3 - Restraint Joint Seals by SP approval 4.4 - SBR & EPDM  270  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  271  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering Civil/Pipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering Civil/Pipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Derwent DEKS Daemco Hawle / Hygrade Water  +GF+  Nova Siria/Hygrade Water	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigb & Vari-Gib Gibault & Universal Multigib Gibault & Universal Multigib Gibault & Universal MaxiFit, QuickFit  DEKS FLEXI-GIB Reinoversal Synoflex PNT Alf Restraint coupling for AC, PVC, DICL, SCL  Multif joint 3000 Plus restraint type for AC, PVC, DICL, SCL  Multigipt for all pipe material, For PVC and PE pipes use Nova Siria reinforcing liner inside the pipe when installing multigrip	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta  Use is subject to acceptance by SP  strained Joint Rubber Rings (Tyton-lok) subject to accepta	ance by SP	South Burnett Regional Council
Product  302 Category: WATER SL 303 304 Lightweight DI bends, tees/branches & connectors 305 307 308 309 310 311 312 DI bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315 319 DI mechanical couplings - Non End 320 Thrust Restraint  321  DI mechanical couplings - End Thrust Restraint	with Service Provider Specific Requirements  PPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  4.1 - Soc-Soc, Sp-Sp, Fi-Fi, Soc-Sp, Soc-Fi & Sp-Fi 4.2 - Standard and PN16 fittings 4.3 - Restraint Jorit Seals by SP approval 4.4 - SBR & EPDM  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  271  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering. CivilPipes Viadux Crevet / Iplex Vinidex Denwent Gillies Himigiri Castings/Galvin Engineering. CivilPipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Denwent DEKS Daemco Hawle / Hygrade Water	Auslite Dobbie Galvin Tyton Joint Crevet Superfink  Galvin Dobbie Mallet Gibault Ezigh & Varl-Gib Gibault & Universal Multigib Gibault & Universal MaxiFit, QuickFit DEKS FLEXI-GIB Reinoversal Synoflex PN16 Restraint coupling for AC, PVC, DICL, SCL  Multi/ joint 3000 Plus restraint type for AC, PVC, DICL, SCL	DN100 & DN150  DN100 to DN150  DN100 & DN150  Up to DN750  DN100 & DN150  DN80 to DN300  Up to DN750  Up to DN750  Up to DN750  Up to DN750  DN80 to DN350  Up to DN750  DN80 to DN750  DN80 to DN750  DN80 to DN750	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta  Use is subject to acceptance by SP  strained Joint Rubber Rings (Tyton-lok) subject to accepta	ance by SP	South Burnett Regional Council
Product  Category: WATER SL 303  Lightweight DI bends, tees/branches & connectors 305  306  307 308 309 309 310 311 312 DI bends, tapers, tees/branches, 313 connectors, risers & caps/blank ends 314 315 316 317 318 319 DI mechanical couplings - Non End Thrust Restraint  321  DI mechanical couplings - End Thrust Restraint 322  DI mechanical couplings - End Thrust Restraint 323  DI mechanical couplings - End Thrust Restraint 323	with Service Provider Specific Requirements  JPPLY FITTINGS - PRESSURE  201  4.1 - Soc-Soc, Soc-Fi & Fi-Fi 4.2 - PN16 fittings 4.3 - By approval  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  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 4.7 - SBR & EPDM And SS316 bolts, nuts and washers  271  4.1 - PN16 4.2 - DI 4.3 - Short and Long Series 4.4 - Straight and Stepped and Flange Adaptor 4.5 - Flange rigure as specified with SS316 bolts, nuts and washers  4.7 - SBR & EPDM & Nitrile And SS316 bolts, nuts and washers  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	Viadux Dobbie Dico Himigiri Castings/Galvin Engineering Civil/Pipes Viadux Crevet / Iplex Vinidex Derwent Gillies Himigiri Castings/Galvin Engineering Civil/Pipes Dobbie Dico Mallet Viadux Crevet AVK Viking Johnson Derwent DEKS Daemco Hawle / Hygrade Water  +GF+  Nova Siria/Hygrade Water	Auslite Dobbie Galvin Tyton Joint Crevet Superlink  Galvin Dobbie Mallet Gibault Ezigb & Vari-Gib Gibault & Universal Multigib Gibault & Universal Multigib Gibault & Universal MaxiFit, QuickFit  DEKS FLEXI-GIB Reinoversal Synoflex PNT Alf Restraint coupling for AC, PVC, DICL, SCL  Multif joint 3000 Plus restraint type for AC, PVC, DICL, SCL  Multigipt for all pipe material, For PVC and PE pipes use Nova Siria reinforcing liner inside the pipe when installing multigrip	DN100 & DN150	Lightweight fittings Thermal bonded polymeric coating All DI fittings to be wrapped  Thermal bonded polymeric coating All DI fittings to be wrapped  Long type  All DI fittings to be wrapped	Gympie Regional Council (GRC)	Use of Re	strained Joint Rubber Rings (Tyton-lok) subject to accepta  Use is subject to acceptance by SP  strained Joint Rubber Rings (Tyton-lok) subject to accepta	ance by SP	South Burnett Regional Council

326	201	Viadux	Readytap	DN100 to 300	ı			T	1	
327	4.1 - Soc-Soc only	Crevet / Iplex	Pretapped	DN100 & DN150	Thermal bonded polymeric coating					
328	4.2 - Standard and PN16 fittings	Vinidex	Superlink	DN100 & DN150	DN100 to DN150 with 4 x 20BSP tappings at 2 per side and					
328 329	4.3 - Restraint Joint Seals by approval 4.4 - SBR & EPDM	Himigiri Castings/Galvin Engineering /	Galvin	DN100 & DN150	DN200 to DN300 1 x 50BSP tapping			Use is subject to acceptance by SP		1
	DN100 to DN150 with 4 x 20BSP tappings at 2 per side and DN200 246	CivilPipes 4N Products & Stockbrands	Supertap	DN100 & 150	Only used on Series 2 PVC pipe Not suitable for DI			1		
Pretapped connectors	4.1 – Blue or Black for DW and Purple for NDW				pipe WSAA Appraisal 12/18					
331		Crevet	Wang	DN100 to DN300						
332	313	Viadux	Wang	DN100 to DN300						
333	4.1 - Type R or F by SP approval 4.2 - Pipe DN by SP approval	Cascade Control	Rapid Clamps	DN40 to DN350						
316 SS repair clamps, flanged off- take clamps & BSP tapping clamps	e 4.3 - Off-take DN by approval 4.4 - Min. PN16	Daemco	Norma Connect	DN80 to DN300	Min. PN16, Flanged off-take clamps approved on DI and CI host pipes only, to Pipe manufacturers specifications					
Repair Couplings	270	Nova Siria/Hygrade Water	Duofit	DN 300 - DN2000	pped drift, to 1 the managed de opedineation			Use is subject to acceptance by SP		
335	4.1 - PN16 4.2 - All ppe 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 And SS316 bolts, nuts and washers	United boards Wass	Unio	DNI40 to DNISSE						
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	Hawle/Hygrade Water	Haku	DN110 to DN355	For use on PE pipe only, installed and commissioned in accordance with manufacturers recommendations					
337		AVK	Series 57 (light type only for DN100 & 150) Series 570 Series 36/80 Series 01/71 Series 55	Up to DN400 Up to DN400 Up to DN300 Up to DN300 DN450 to 600	Anchor legs approved PE Pipe ended approved Gripper ends approved					
338		Hawle / Hygrade Water	E2 FL Ends E2 System 2000 A Valve FL & SOC Ends	DN50 - 200 DN50 - 300	WSAA Appraisal 11/23 WSAA Appraisal 06/07		Use of Hawle	e System 2000 is subject to acceptance in Acid Sulphate S coastal environmental locations.	oils and Saline	'
230	260 4.1 - PN16 4.2 - All End configurations accepted 4.3 - Integral By-pass on DN450 and larger (Unitywater accepts either	Viadux	Series 500 Auslite Auslite II Bayard Sureflow Auslite III	Up to DN600 DN80, 100 & 150 DN100 to DN300 DN50 - DN200 Up to DN 400	Anchor Legs approved With PE pipe tails approved		]			
339 340 341 342 343 344 Resilient Seated Gate Valves, thermal 345 bonded polymeric coating.	integral or constructed by-pass as per job specification) 4.4 - Gear Box on DN600 and larger (refer mechanical list)	Karon / Challenger	Karon	DN80 - DN600						
341 342	4.5 - Clockwise for opening 4.6 - No requirement for spindle cap colour	AVFI Betta	BETTA	DN100 - DN375			1	Use is subject to acceptance by SP		
343 344 Resilient Seated Gate Valves, thermal	4.7 - Extension Spindle to WSA PS - 262 4.8 - Spindle Cap	AAP Industries Derwent Industries	Maxiflo/appFLO Derwent	DN80 to DN300 DN80 - DN600	WSAA Appraisal 11/26 Issue 2 WSAA Appraisal 1511					
345 bonded polymeric coating.	4.9 - SBR & EPDM B	DAEMCO C	D	DN80 to DN300	WSAA Appraisal 1517 (10/05/16)	K	G	Н		J
Product	WSAA Product Specification No.	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
	with Service Provider Specific Requirements									
346		Pentair / Viadux	Keystone							
347		Ebro	Ebro	1						
348		AVFI	AVFI	1				Direction of closing: Clockwise		
		Valveco	Valveco					Wafer or Lugged valves not accepted without prior approv	ral	
349				ļ	Body ductile iron with fusion bonded polymeric coating external to 300 µm, internal to 350 µm (min.) or high- build two-pack					
350		lplex	AVK		epoxy to 500 µm (min.). Disc stainless steel Grade 316. Shaft					
351		Challenger	Challenger	DN50-600 for wafer/	stainless steel Grade 316, 410, 420, 430 or 431. Seat EPDM. All fasteners stainless steel					
352	263 4.1- PN16	Hydroflow Distributors	Watts	lugged DN100-1000 double	Grade 316. Operation Type: Lever or Gearbox. Gearbox ratio as per manufacturer's requirement,			Use is subject to acceptance by SP		
352 Butterfly Valves 353	4.2- resilient seated wafer, lugged or double flanged	Hydrants	Series 30/00 non-swab and	flanged	coating – high build two-pack Epoxy 275 µm (min.)					
354		Viadux	30/10 for swab Sureflow	ļ						
		Civil Pipe Supplies	BETTA normal & Swab	1			All new hydran	ts are to be 100 mm with 100 mm flanges, 100 mm risers a	and spring heads	
355 356 357		AAP Industries	MAXIFLO/appFLO	]						
357	267	Derwent Industries  Dobbie Dico	Derwent non-swab	1	Removable Top Cap & Internal Assembly. Thermal bonded polymeric coating. Purple body and lug for		All new hydran	NOT ACCEPTED BY SP ts are to be 100 mm with 100 mm flanges, 100 mm risers a	and spring heads	
358 Hydrants	4.1 - DN80 and DN100 Flanges No WSA-PS	AVK			recycled water.		. ,	Mandatory for Hydrants on Trunk Water mains		
359 360 361 Hydrant and air valve isolator's valves	Aligned to WSA_PS 201 and 270 with Flanges to AS 4087 Figure B5 To comply with WSA PS-201S when published	Viadux		DN80 - DN100	Thermal bonded polymeric coating Min. PN16		lenla	>DN300 stor Valve for Hydrant - Min. DN100 Clockwise Opening Dir	rection	
362	, , , , , , , , , , , , , , , , , , , ,	Crevet Viadux		<del>                                     </del>	mennai condeu polymeno coating wiin. PN 10		13018	,		
362 363 364 365 Valve box & cover C.I.	No WSA-PS	NIBF / Iplex Tellam		1						
365 Valve box & cover C.I.	Refer details on SEQ-WAT-1305-1 and SEQ-WAT-1306-1	Gatic / Iplex Viadux		1	Bitumen coated to AS 3750.4					
367		NIBF / Iplex		1						
368 369 Hydrant box & cover C.I.	No WSA-PS Refer details on SEQ-WAT-1305-1 and SEQ-WAT-1306-1	Tellam Gatic/lplex		{	Bitumen coated to AS 3750.4					
370 371 Valve & hydrant boxes (recycled plastics)		Viadux Crevet			Non-trafficable location only. H - Hydrants V - Valves AV - Air valve		•	Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2209-1		
372 & DI Covers	Refer details on SEQ-WAT-1305-1	Vinidex		1	•			Solution to SEQ-WAT-1300-1 and SEQ-NDW-2209-1		
Plastic surround to valve/hydrant boxes 373	No WSA-PS For sizes refer details on SEQ-WAT-1306-1	Replas Australia Viadux			Non-trafficable location only.			Coloured to SEQ-WAT-1300-1 and SEQ-NDW-2209-1		
374	4.1 - DN100 to DN525/600	Viadux NIBF / Iplex		ļ						
375	4.2 - Length by Design 4.3 - Valve extension spindles shall be coated with a polymeric									
376	coating to AS 4158 with 350 μm DFT (minimum), or Valve extension spindles shall be hot-dip galvanized in	Forge Bros / Vinidex								
377 Valve extension spindles	accordance with AS 4680. Spindle support with bearing at 1 per installation	Challenger		1	AS2638 Compliant			Use is subject to acceptance by SP		
	204 - Flanges			1						
378	4.1 - PN16 minimum 4.2 - DN by Design subject to SP approval	Steel Mains		1						
	4.3 - Flanged 4.4 - Seal coating for DN450 and larger			Į.	Class 16 Thermal bonded polymeric coating					
1 1				•	mermai bunded polyment coating			Ī.	Î	i l
370	4.5 - Sintakote minimum for above ground 4.6 - Flanged at PN16 minimum	NIDE / Inlov								
379 Flanges MS		NIBF / Iplex								

	I:	312	All WSA PS-312 compliant products						I	I	1
Part			are accepted	Ī							
Part		4.3 - Types WA, WC and WG subject to fluid needs		Ī							
Property of the property of		4.4 - DN as per design									
Column											
The control of the											
March   Marc											
Part	B0 Bolts	No WSA-PS		<u> </u>		316 Stainlace staal holin					
	B1 Boils					310 Staniness steer builts					
The content of the	82	208 DN63	-								
Company	33	2.(a) - AS/NZS4129 or EN 1254 acceptable Certification									
Control of Control o											
Part	<u> </u>	approved Plastic grippers/olives/thimbles									
Part	I I'		·								
Manual Content	<u> </u>	4.3.2 - Coupling - PE to PE	·								
March			VIELUX		DN63	PN16					
Property of the Property of	89	208	Plasson		Coupler up to DN710						
Property of the Content of the Con			Georg Fischer								
Part	91	acceptable.	Friatec / Vinidex	Frialen	DN250-560 with branch DN32						
Part			Agru	Agru	on Coupler up to DN630						
Manual	I	4.3 - Couplings, tees, bends, elbows/adjustable elbows, end						Spigot en	ded fittings, flanged tees and flanged saddles are not acce	pted by SP	
Mathematical State   Mathema	PE Fittings					Compry with AS4129, PN16, Electrofusion fittings to be long type.		•		•	
Part	(for mains and large service pipes)	4.5 - SRR & FPDM	NUPIGECO	Elofit	DN20 to DN710	Stub flanges only to be used for sizes DN450 and larger	v	e			
Manual And Company   Manual			Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Part		with Service Provider Specific Requirements									
			Plasson		DN80 / DN100	DN90 riser with slotted flanges suit both DN80 & DN100 flanged					
Part	:	2.(a) - AS/NZS4129 or EN 12201, EN 13244 or EN 14525							Lice of ctub flanges is subject to assessment by CD		
Company	<b>□</b>	acceptable Certification	lplex		Up to DN355	Full face full bore connections			ose or stub liarriges is subject to acceptance by SP		
Part											
Control   Cont	<b>□</b>	4.3 - Full Face Flange Adaptor with SS316 backing ring	Friatec / Vinidex	Frialen	Up to DN180	Metal insert in the flange, backing rings not required					
March   Marc				ĺ					Use is subject to acceptance by SP		
Marie	<del> </del>	216		1							
Manual   M	Full face PF flanges (for reticulation		Rodney / Vinidex	Maxi Stub	Up to DN355	Full face full bore connections			Use of stub flanges is subject to acceptance by SP		
Continue	sizes)	backing ring and AS 4087 "Figure" compatibility for mating flange									
Part	99	245	Hawle / Hygrade Water	System 2000 Synoflex	Up to DN630			Use of Hawle		oils and Saline	
Second   S	<u> </u>		I.GE.	Multi/ loint 2000	Lin to DN255			1	coastal environmental locations.	ı	
March   Marc	00	2.(b) - Plastic fittings not permitted			-						
Section   Sect	DI Restraint fittings (for PE) - couplings.	4.2 - SBR & EPDM seal options with AS 4087 "Figure" compatibility		·	·	Restraint type, Flange adaptor up to DN355 shall be full bore					
Control No.			-	riquar asi riquatinp	ορ το Είνου						
Second   S	03	216 4.1 - PN16 minimum	Vinidex / Rodney	<u> </u>							
Second   S	<u>,                                    </u>	4.2 - Electrofusion/Butt Weld pipe joint with Full Face Flange Adaptor	Kingston Bridge / Iplex								
Part	PE scour Tees	with SS316 backing ring and AS 4087 "Figure" compatibility for mating flange on outlet				Comply with AS4129					
Part	05	265 Appendix B AS 4956 Size - DN20 and Larger Class - PN16	ARI Flow control								
March   Marc	<b>⊣</b> l:	Type of Port - Full and Reduced Port Type of Valve - As per	Bermad		1						
State   Stat											
Part	07	other sizes	Vent-O-Mat								
March   Marc			AVFI	DAV-MH	ĺ						
March   Marc	09		ISCO	Vent Master PX		DNIC Dauble Office or required Thermal handed ash marie			NOT ACCEPTED BY SP		
Mark	Air valves				DN50-DN200						
Column   Pitts on See Joseph	10	264							NOT ACCEPTED BY SP	1	
Machine Number   Mach		a) Class - PN16 min - Size by Design									
Section and one of Control water   Section and on	12										
Mary		d) Spindle - Extended									
Mile		e) Lever and Counterweight minimum with switches and indicators by Design				Min. PN16. Thermal bonded polymeric coating			1		
March   Marc	16					,					
Control   Cont	17	264	Dobbie Dico	Dobbie Dico	DN80-DN900			•	•	•	•
10   Decident   Water   10   Decident   Decident   10   Decident   1	18		AVK	AVK Swing Check Valve 41/25	DN50						
Content waters   Cont	19		AVK	AVK Swing Check Valve 41/8X	DN80-DN300				Use is subject to acceptance by SP		
Flanged to AS 4000 Figure 85   AFF PyLIS   AFF PyEIS	Non-return valves -	c) Installation - Horizontal	Challenger Valves	Challenger - RSSC	DN80-DN375						
Singer I-MAN Valvace Singer I Plant Valvace Singer Singer Singer I Plant Valvace Singer Singer Singer I Plant Valvace Singer Singer Singer Singer I Plant Valvace Singer Sing	21 Swing Check		AVFI Pty Ltd	AVFI - RSFC		Min. PN16, Thermal bonded polymeric coating					
Company   Comp	22		-		DN40 - DN900						
28			-					(L. P. L.		Diversión Diversión de la companya d	
Bermad Water Technologies Singer / HMA Water Singer / HMA Water Dorot Australia Ply Lid Singer / HMA Water Singer / HMA Water Dorot Australia Ply Lid Singer / HMA Water Singer / HMA Wa	25	268	Dorot Australia Pty Ltd	Dorot 300 Series		Ma Divid Terraril		(in PRV installations where upstream pr	essures can be within 50 kPa of the required downstream p	pressure, Masson C valves are preferred).	
Singer / Mark Navewoo Singer   DN3-DN900   Pressure sustaining valves and altitude valves   See Appendix B of ASS0812008   Cla-Val Pacific / Challenger   C	26 Pressure reducing valves	See Appendix B of AS5081:2008			DN25-DN1200	Min PN16, Thermal bonded polymeric coating					
Dord Australia Ply Lid Dord 300 Series   DN95-DN1200   Sustaining valves and allitude valves   See Appendix B of ASS0812008	28				DN 40 - DN900						
Pressure sustaining valves and altitude valves	29								Use is subject to acceptance by SP		
See Appendix B of ASS081:2008		268	Cla-Val Pacific / Challenger	Cla-Val					•		
Plasson Fits N160 to DN1600 PE100/ PE4710 resin  Plasson PF lipe  Plasson PE100/ PE4710 resin  Plasson PE100/ PE4710 resin	valves	See Appendix B of AS5081:2008	-	ļ					T	1	
Viadux Viking Johnson Viadux Viking Johnson Volumer Volumer Pipe DNS0-DNS00 Volumer Pipe DNS00 Volumer Pipe DNS0-DNS00 Volumer Pipe DNS0-DNS00 Volumer Pipe DNS0-DNS00 Volumer											
434 Viking Johnson Vi	32 flange)		Plasson			PE100/ PE4710 resin					
Valveco Uni-Flange Adaptor DN50-DN500  435  436  437  438  439  439  439  439  439  439  439	33										
201 Hygrade Water Pipemate DN80-DN900 Thrust restraint type and non-thrust type are Flanged to AS4087 PN16.  4.7 FFFI or DJ & FVSp for UniFlange 4.2 - Thrust yea and non-thrust type ininimum PN16 AVFI AFD10 Series DN80-DN1200 SS316 bolts, nuts and washers.  4.8 Fitting AVFI AFD20 Series DN80-DN1200 PN vs Pipeline Test Head.  4.9 NS APS APS ABB Water master	34		Viking Johnson								
4.1 - FIFTlor DJ & FIVSp for UniFlange	35	201				Thrust restraint type and non-thrust type are Flanged to AS4007			Initiange to be used within hit or observed and least to	nk	
Instanting joints for Flange Pipe and Fitting Semanting joints for Flange Pipe and Fitting Semanting joints for Flange Pipe and Fitting Semanting joints for Flange Pipe and Semanting joints for Fl	36					PN16.		,	יינים ועם used within pit or aboveground locations or	ну	
138 Fittings 4.4 - SBR & EPDM PN vs Pipeline Test Head.  PN vs Pipeline Test Head.  ABB Water master	37 Dismantling joints for Flance Pine and										
No WSAA PS ABB ABB ABB ABB ABB		4.4 - SBR & EPDM			DN80-DN1200	PN vs Pipeline Test Head.					
4.1 - Flange to AS4087 Figure 5 Siemens Siemens	39 40		ABB Siemens	ABB Siemens	{				Use is subject to acceptance by SP		
4.1 - Flange to AS4087 Figure 5 Siemens Siemens Use is subject to acceptance by SP 4.2 - PN16 E & H E & H Use is subject to acceptance by SP	41				1	l			Use is subject to acceptance by SP		

442 Flowmeter - Network Meter		Emerson	Emerson	1	I			1		
Product A	WSAA Product Specification No.	C Manufacturer / Supplier	Trade Name	E Size Range	Specified Requirements / Minimum Class	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	H Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
1	with Service Provider Specific Requirements	паначана у саррно	Trado Italiio	0.20 Mango	Cposmou roquii sinoriis / iiiiiiiiiiiiii Siass	Cympio Rogional Council (Cite)	Tracer couet regional countin (i cite)	Danaaborg regional Council (2006)	norm Damest Regional Country	Country Lander Hogierian Country
443 O-4 WATER OF	FD\(\(\text{10}\)									
443 Category: WATER SE	ERVICES	Viadux		T	Т			Г		T
445	310	Gatic / Milne			Gunmetal - Positive stops					
446	4.1 - DN100 to DN300 4.2 - Without Electrical Isolation	RMC 4N Products & Stockbrands	4N	DN100, 150, 200	Positive stops, coloured blue WSAA Appraisal			1		
Tapping bands for DI & PVC pipes	4.3 - Female Rp thread to AS ISO 7.1		411		PA10/18					
448		Gatic / Milne		DN63-DN315	Gunmetal - Positive stops Only for where E-F saddles are not practicable			NOT ACCEPTED BY SP		
	327 4.1 - Pipe DN63 and larger ( see WSA PS 207 above ) - Off- take ID						-		•	
449	20 mm minimum 4.2 - PN16	4N Products & Stockbrands	4N	DN63, 90, 125 & 180	Positive stops, coloured black Only for where E-F saddles are not practicable WSAA Appraisal					
	4.3 - Female Rp thread to AS ISO 7.1				PA10/19					
450 451 Tapping bands for PE - mechanical	4.4 - Without electrical Isolation	Hawle / Hygrade Water	Haku	DN63 - DN315	Ductile iron lower half					
451 Tapping bands for PE - mechanical		Hawle / Hygrade Water Plasson	Haku	DN250 - DN630	Stainless steel strap lower half		+		+	
452	329 329.2.(a) - EN Standards accepted	George Fischer		-						
453	4.1 - Pipe DN63 and larger ( see WSA PS 207 above ) - Off- take ID	Friatec / Vinidex	Frialen	-						
454	20 mm minimum 4.2 - PN16	Fusion Group / FusionPlast	Fusamatic	DN63, 90, 125 & 180 Up to DN355				l		
455	4.3 - Combined Saddle and Outlet off-take with integral cutter/shut off 4.4 - Without electrical Isolation	rusion Group / rusion riast	rusamatic	Op to DN355			Spigot er	ded fittings, flanged tees and flanged saddles are not acce	epted by SP	
Tapping saddle for PE - electrofusion		0 11 (24)			Comply with AS4129 PN16			_		_
456	No WSA-PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and	Gatic / Milne								
	AS 3688. 2 - PN16 with ability for under pressure tapping 3 - Male R thread to	Elster		1						
457	AS ISO 7.1									
458	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	RMC			Dezincification resistant material and comply with AS/NZS					
Ferrules - TPFNR Bonnet Ferrule Cocks	outlet 274	Gatic / Milne			3688		<u> </u>	<u> </u>	<u> </u>	<u> </u>
459	4.1 - PN16 minimum			-						
460	4.2 - Plastic not permitted, Body and Handle to be DR copper alloy	Elster		-						
461	4.3 - By accepted product	RMC		ļ			Ball valves i	nust be capable of being locked by the customer with their	own padlock.	
462	4.4 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1 or PE Compression	Zetco TOF						. 5		
463	4.5 - 90 Degree closure with 38 mm handle for maintap and 50 mm handle for meter. Meter ball valve with Locking open/close	Cimberio / Strongcast	Strongcast		Dezincification resistant material and comply with AS/NZS					
464 Ball valves - Water Service	mm handle for meter. Meter ball valve with Locking open/close function	Austworld	LOGI VALVE		3688	<u></u>				
465	No WSA-PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and	Gatic / Milne								
466	AS 3688.	Elster			1					
	2 - PN 16 3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1	RMC			25 mm					
467 Union stopcock	4 - Watermark acceptance				Dezincification resistant material and comply with AS/NZS 3688					
468	No WSA-PS	Elster		DN20 and DN25						
469	1 - Compliance with AS 4020, DR to AS 2345, AS 3565.1, AS	All Valve Industries			1					
470	3718 and AS 3688. 2 - PN 16	RMC		1				NOT ACCEPTED BY SP		
470	3 - Male R thread to AS ISO 7.1 or Female Rp thread to AS ISO 7.1	Strongcast		-						
471	Watermark acceptance     Coupling to have 5mm to 20mm movement with locking nut			ļ	Dezincification resistant material and comply with AS/NZS 3688 Shall have a locking nut to prevent moving apart or kinking					
472 Slip Coupling		Austworld		DN20	between the moving parts					
	208 or 247 Up to DN63	Plasson								
473	2.(a) - AS/NZS4129, EN1254 or equivalent acceptable									
H	Certification 4.1 - PN16 minimum	+GF+			1					
474	4.2 - Mechanical Polyethylene or Copper Alloy both with							Push fitting not accepted by SP		
$\vdash$	approved Plastic grippers/olives/thimbles 4.3.1 - Transition - PE to Male R thread to AS ISO 7.1 or Female	Friatec / Vinidex			,					
475	Rp thread to AS ISO 7.1 4.3.2 - Coupling - PE to PE not used	Friatec / Viridex			PE electro-fusion to BSP connections Copper male fittings connecting to poly female fittings is not					
Transition couplers	4.4 - Flange not used				accepted					
476	208 or 247 DN25 to DN63	George Fischer								
477 478 479 480 481 482 483 484	2.(a) - AS/NZS4129, EN1254 or equivalent acceptable Certification	Philmac / Philmac & Vinidex Plasson		-						
479	4.1 - PN16 minimum	Elster								1
480 481	4.2 - Mechanical Polyethylene or Copper Alloy both with approved Plastic grippers/olives/thimbles	Zetco TOF Talbot		-						
482	4.3.1 - Transition - PE to Male R thread to AS ISO 7.1 or Female	Alprene		j						
483	Rp thread to AS ISO 7.1 4.3.2 - Coupling - PE to PE	lplex Viadux								
485 PE mechanical compression fittings for	4.4 - Flange not used	Viadux NUPIGECO	Elopress	DN25 to DN63	PE to PE or PE to BSP PN16			1		
486 Small Diameter Water Service pipes	4.5 - SBR & EPDM	Austworld	Metforge	DN25 & DN 32	Push fit type is not accepted			Use is subject to acceptance by SP	-	
487	No WSA-PS	Elster	V100 (PSM-T) (WM202PD)							
488 489	1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified	Elster	V200					1		
489 490	3 - Integral Strainer 4 - Std Tail Nut with gasket	ltron RMC	TD8 WM273MRP multijet							
<del></del>	5 - Colour and Check Valve requirements as per SEQ-SP	RMC	WM273MRP multijet WM281MRP multijet	-	Purple body for non-drinking water Accuracy Class 2					
Meters - 20 mm  492 (direct and sub-metering applications)	requirements	GVT	TPWM		Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy			1		
492 (allege and sub-inferential applications)		Elster	V100 (PSM-T) (WM252PD)		эронновког апили ривсу					
494	No WSA-PS 1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified	Elster	V200					1		
495	3 - Integral Strainer	ltron	TD8					i		
П	4 - Std Tail Nut with gasket     5 - Colour and Check Valve requirements as per SEQ-SP	RMC	WM271MRP multijet		Purple body for non-drinking water Accuracy Class 2			1		
Meters - 25 mm 496 (direct and sub-metering applications)	requirements				Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy					
A	В	С	D	E	F	К	G	Н	I	J
Product	WSAA Product Specification No.	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
	with Service Provider Specific Requirements									
407		Elster	V100 (PSM-T)							
101										
		Elster	V200							
498										
H	No WSA-PS	ltron	TD8							
499	1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer									
Ц	4 - Std Thread for attachment of a AS3565.1 Clause 2.6 (DR) Copper		-	ı	I	1	1	ı	ı	

0 Meters - 32 mm 5	Alloy Oval Flange with two Bolts 5 - Colour and Check Valve requirements as per SEQ-SP requirements	RMC	MRP		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy					
	No WSA-PS	Elster	V100 (PSM-T)							
	1 - NSC/NMI Pattern Approved 2 - AS 3565.1 Certified 3 - Integral Strainer	RMC	WM402MRP multijet					1		
2 A	4 - Std Thread for attachment of a AS3565.1 Clause 2.6 (DR) Copper Alloy Oval Flange with two Bolts									
	5 - Colour and Check Valve requirements as per SEQ-SP requirements	ltron	Flostar M		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub- meter			1		
(direct and sub- metering applications)					specification and/or policy					
4		Elster	H4000 Woltmann H5000 Woltmann							
j		Listoi	TIOOGO WOMINGIII							
6		Arad / RMC	Woltman Silver Turbo							
	No WSA-PS	ltron	Flostar M							
	1 - AS 3565.1 Certified 2 - Std integral Round Flange as per AS3565.1 Clause 2.5 to	ltron	Woltex							
A	AS4087 Figure B5 with four Bolts 3 - Colour and Check Valve requirements as per SEQ-SP	Sensus	Meistream		Purple body for non-drinking water Accuracy Class 2 Shall comply with relevant SEQ SP water meter/sub- meter					
	requirements				specification and/or policy					
ā		Arad Ultrasonica / RMC Siemens Eletromagnetic	Octave Siemens							
1 2 3 4 4		Siemens Ultrasonic	Siemens		j			Use is subject to acceptance by SP		
4	No WSA-PS	E & H Electromagnetic E & H Ultrasonic	E&H E&H		1					
<u>.</u>	1- Flange to AS4087 Figure 5	Emerson	Emerson		Shall comply with relevant SEQ SP water meter/sub- meter					
6 Flowmeters 2	2- PN16	ABB Enware	ABB		specification and/or policy		T	Water master	1	
,										
9		Epitomy								
4		Utility Technology  Halytech								
,		,								
Automatic Meter Reading (AMR)		Utiligy		]						
2 Systems 3 (sub-metering applications)	Meter reading dials shall have between 0 kL and 10 kL of consumption showing at the time of meter supply	ltron SUMS	Everblu Vivid Multi Logger	1	Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy					
1	No WSA-PS	Everhard Industries	vivia iviulii Loggei	368L * 271W * 316D	specification and/or policy		<u>l</u>			
	1 - Lids Virgin HDPE with Box Virgin and/or regrind HDPE 2 - Lid in Box at Class A to AS 3996			(for 20 mm meters only)						
3	3 - Lid shall have a slip resistant pattern that is certified to AS/NZS4586 for Table 2 ( Class W ) and Table 5 ( Classification R11	Everhard Industries		492L * 271W * 316D	1					
).	).						Purple lid for non-drinking	water meter box Black or green lid for drinking water meter	ur hov Rlue lid not permitted	
6 fe	4 - Lids shall snap-lock into the box and shall include a metal device for Location and a separate 2 mm Galvanised Chain or 2 mm SS304	Draper		440L * 275W * 280D			i diple lid for non-dilliking	water meter box black or green at for drinking water meter	or box blue at not permitted	
	wire rope fixed to the lid and box. 5 - The Lid shall have moulded on it's upper surface Water Meter and	01		427L * 267W * 316D	ļ					
7 s	shall be coloured as per SEQ-SP's requirements.	Strongcast		427L * 267W * 316D						
Meter boxes  Single check detector check valves  N	No WSA-PS	Pentair/Viadux	VALVCHEQ	DN100 & DN150	Blue, Black or Green meter box lids  Model SC03. Flanged connection & spring set to 50 kPa		1	T	ī	
	Single Check valve to AS/NZS 2845.1     Fitted with compliant meters as per above									
)	2 - Filled with compliant meters as per above	Pentair/Viadux	VALVCHEQ							
Double check valve (DCV), Double		Bermad	Cla-Val	1						
check detector assembly (DCDA)	No WSA-PS AS/NZS 2845	Hydroflow Distributors	Watts	DN40, 50, 100 & 150			1	Use is subject to acceptance by SP	ı	
,	NU WOA-PO AO/NZO 2040	Elster		DN40, 50, 100 & 150	Drinking & Drinking or			,		
3		Tellam		1	Drinking & Non-drinking Shall comply with relevant SEQ SP water meter/sub- meter					
<u>_</u>	No WSA-PS				specification and/or policy			Use is subject to acceptance by SP		
Pre-assembled dual meter boxes 1	1 - Approved Supplier Assemblies as per SEQ-SP requirements	RMC	KIT235 WMKIT235	DN20						
6		Strongcast Elster	SCMBA20		Drinking					
<b>₹</b>	No WSA-PS	Tellam		1	Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy			Use is subject to acceptance by SP		
8 Pre-assembled single meter boxes 1	1- approved Supplier Assemblies as per SEQ-SP requirements	RMC	KIT236	DN20	Specification and/or policy					
9 0 1 2 2 3		Elster Elster	46492-00 46491-00	DN25						
i l		Tellam		j						
<u> </u>		All Valve	SMA20M							
<u> </u>		Strongcast	SCMLIM20 SMK	]				Slip Coupling not accepted		
		Austworld			Drinking or Non-drinking					
5 Sub-meter assemblies	No WSA-PS 1 - Approved Supplier Assemblies as per SEQ-SP requirements	RMC	KIT227 KIT227Q	DN20	Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy					
A	В	C	D	E	F	K	G	Н		J
	WSAA Product Specification No. with Service Provider Specific Requirements	Manufacturer / Supplier	Trade Name	Size Range	Specified Requirements / Minimum Class	Gympie Regional Council (GRC)	Fraser Coast Regional Council (FCRC)	Bundaberg Regional Council (BRC)	North Burnett Regional Council	South Burnett Regional Council
Dual Check valves for Meter assembling			1							
DN40 and Larger 1	No WSA-PS 1 - Certified to AS/NZS 2845.1				i l			1		
DN40 and Larger 1 2 3	1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5	Pentair/Viadux	VALVCHEQ		Shall comply with relevant SEQ SP water meter/sub- meter					
DN40 and Larger 1 2 3 4	Certified to AS/NZS 2845.1     Non-Testable     Poll and Flanged to AS4087 Figure B5     Ouctile Iron body with AS4158 coating and lining or SS316 body	Pentair/Viadux	VALVCHEQ		Shall comply with relevant SEQ SP water meter/sub- meter specification and/or policy					
DN40 and Larger 1 2 3 4	1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5	Hydroflow Distributors	Watts					Use is subject to acceptance by SP		
DN40 and Larger 1 2 3 4 7 8 9 Reduced pressure zone device (RPZD),	Certified to AS/NZS 2845.1     Non-Testable     Poll and Flanged to AS4087 Figure B5     Ouctile Iron body with AS4158 coating and lining or SS316 body	Hydroflow Distributors LWG Zurn								
DN40 and Larger 1 2 3 4 7 8 9 Reduced pressure zone device (RPZD),	Certified to AS/NZS 2845.1     Non-Testable     Ph16 and Flanged to AS4087 Figure B5     Ductile Iron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable	Hydroflow Distributors LWG Zum RMC Pentain/Viadux	Watts Model 375 RP03					UW prefers RP03 RPZ		
DN40 and Larger 1 2 3 4 7 8 9 1 Reduced pressure zone device (RPZD), Reduced pressure detector assembly (RPDD)	Certified to AS/NZS 2845.1     Non-Testable     Poll and Flanged to AS4087 Figure B5     Ouctile Iron body with AS4158 coating and lining or SS316 body	Hydroflow Distributors LWG Zurn RMC Pentair/Viadux Hydroflow Distributors	Watts Model 375							
DN40 and Larger  1 2 3 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Certified to AS/NZS 2845.1     Non-Testable     Ph16 and Flanged to AS4087 Figure B5     Ductile Iron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable  No WSA_PS AS/NZS 2845	Hydroflow Distributors LWG Zum RMC Pentain/Viadux	Watts Model 375 RP03					UW prefers RP03 RPZ		
DN40 and Larger  1 2 3 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5 4 - Ductile fron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable  No WSA_PS AS/NZS 2845  No WSA-PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and	Hydroflow Distributors  LWG Zurn  RMC  Pentair/Vladux  Hydroflow Distributors  RMC	Watts Model 375 RP03					UW prefers RP03 RPZ		
DN40 and Larger  1 2 3 4 4 6 7 8 9 1	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  No WSA_PS AS/NZS 2845  No WSA-PS 1 - Compliance with AS 4020, DR to AS 2345, AS 3718 and AS 3688.	Hydroflow Distributors LWG Zurn RMC Pentair/Viadux Hydroflow Distributors	Watts Model 375 RP03		specification and/or policy  Dezincification resistant material and comply with AS/NZS 3688			UW prefers RP03 RPZ		
DN40 and Larger  1 2 3 4 4 6 7 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	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  No WSA_PS AS/NZS 2845  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	Hydroflow Distributors  LWG Zurn  RMC  Pentain/Viadux  Hydroflow Distributors  RMC	Watts Model 375  RP03  Watts		specification and/or policy			UW prefers RP03 RPZ  Use is subject to acceptance by SP		
DN40 and Larger  1 2 3 4 4 6 7 8 9 1	1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5 4 - Ductile fron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable  No WSA_PS AS/NZS 2845  No WSA_PS 1 - Compilance with AS 4020, DR to AS 2345, AS 3718 and AS 3688. 2 - PN 16	Hydroflow Distributors  LWG Zurn  RMC  Pentair/Vladux  Hydroflow Distributors  RMC	Watts Model 375 RP03		specification and/or policy  Dezincification resistant material and comply with AS/NZS 3688			UW prefers RP03 RPZ		
DN40 and Larger  1 2 3 4 4 6 7 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	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  No WSA_PS AS/NZS 2845  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	Hydroflow Distributors  LWG Zurn  RMC  Pentain/Viadux  Hydroflow Distributors  RMC	Watts Model 375  RP03  Watts	DN15 - DN50	specification and/or policy  Dezincification resistant material and comply with AS/NZS 3688	v		UW prefers RP03 RPZ  Use is subject to acceptance by SP		
DN40 and Larger  1 2 3 4 4 5 6 Pressure Limiting Valve for Water Services  A Product	1 - Certified to AS/NZS 2845.1 2 - Non-Testable 3 - PN16 and Flanged to AS4087 Figure B5 4 - Ductile fron body with AS4158 coating and lining or SS316 body or SS304 body if SS316 unavailable  No WSA_PS AS/NZS 2845  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  B  WSAA Product Specification No.	Hydroflow Distributors  LWG Zurn  RMC  Pentain/Viadux  Hydroflow Distributors  RMC	Watts Model 375  RP03  Watts	DN15 - DN50 E Size Range	specification and/or policy  Dezincification resistant material and comply with AS/NZS 3688	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	UW prefers RP03 RPZ  Use is subject to acceptance by SP	North Burnett Regional Council	J South Burnett Regional Council
DN40 and Larger  1 2 3 4 4 5 6 Pressure Limiting Valve for Water Services  A Product	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  No WSA_PS AS/NZS 2845  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  B	Hydroflow Distributors  LWG Zurn  RMC  Pentain/Viadux  Hydroflow Distributors  RMC  NEFA  Hydroflow Distributors	Watts Model 375  RP03 Watts  Watts	E	specification and/or policy  Dezincification resistant material and comply with AS/NZS 3688  Stainless Steel seat Not buried	K Gympie Regional Council (GRC)	G Fraser Coast Regional Council (FCRC)	UW prefers RP03 RPZ  Use is subject to acceptance by SP  Use is subject to acceptance by SP	North Burnett Regional Council	یا South Burnett Regional Council

557	240	Boddingtons								
	4.1 - Tape/Product Colour - Drinking Water = Blue Non-Drinking	Тарех		-						
558	Water = Purple. Sewerage = Cream									
559	4.2 - Message = "Caution ASSET DESCRIPTION Buried Below" or "Danger Buried ASSET DESCRIPTION Below"	LWG Zurn								
560 Detectable marker tape	4.3 - SS 316 tracer wire 4.4 - See 4.1 above	Rain Harvesting	421							
Detectable marker tape	343			500, 1000 and 2500	Approved are SoloShot EHS and SoloSHot Xtreme For HDD					
	4.1 - CCS shall be AISI 1055 grade or higher 4.2 - Wire gauge Shall be 12 or thicker 4.3 - Minimum 520Kg 4.4 - Minimum 45mil 4.5 - minimum 1%	Tapex	Copperhead	(feet)	Approved are solusing tens and solusions until the For HDD and Pipe bursting etc.  Components of test station, connector and grounding anode are accepted					
561	4.6 - as per standards 4.7 - as per standards 4.8 - Blue for Water Supply, Purple for Recycled Water and									
62	320	Viadux			Mandatory sleeving to all DI pipe Colours are Blue for Drinking Water and Purple for Non Drinking					
63 Loose PE sleeving to DI pipe	320	Crevet	BLUEBOSS blue		Water to POP203					
64	209 4.1 - PN12	Vinidex	Hydro S1							
665	4.1 - PN12 4.2 - Water Service Conduit 4.3 - Series 1 SCJ	lplex		j			UW requires uf	PVC PN9 series 1 with solvent weld joint- Refer drawing SE	EQ-WAT-1108-1.	
66 PVC - M conduits	4.4 - White for Water Conduit	Viadux			PN12 Series 1					
Embedment material - crushed rock	4.5 - SC Lonk/ 351 4.1 - Single sized.									
Embedment material - recycled concrete	4.2 - Nominal 5 or 7 mm 366	Queensland Recycling					L		J	
68	4.1 - Single sized 10 mm nominal 4.2 - Moisture Content by design	2000						NOT ACCEPTED BY SP		
Bedding sand 69	AS/NZS 2566.2 Table G3 for sand.									
70 Concrete	357 4.1 - N20 for Thrust Blocks and Unreinforced embedment. N25 for reinforced embedment				Normal class					
Security fencing	14.2 - Slumns as required for placement				AS1725.1 Chain Link Fabric Fencing-powder coated black		In accordance with Unitywater's spec	effication Pr9903 – Specification for Building and Structural	Works, Section 5.15 Security Fencing.	
_	324			HDX Series with Runner	For SCL, DI, PE, PVC, Concrete, GRP and FRP carrier pipes		Т	1	T	
72 Casing Spacers	4.1 - Carrier pipes OD from 100mm to 1668mm 4.2 - Min space between carrier pipes and encasing pipes 50mm	kwik-ZIP	kwik-ZIP	height of 38, 65, 90 and 125 mm	, , , , , , , , , , , , , , , ,					
73 Plastic marker post	1- Comply with Main Roads specification MRS11.14	Park International		1350 mm Long × 100 mm Wide × 4 mm Thick	As per SEQ-WAT-1300-2					
Kerb Markers 74	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		
Camlock					S/Steel 316			Maximum DN100		
76 Category: EMERGEN	CY STORAGE CHAMBERS									
777		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		
78		Rocla		Conc. Box units (2.4 m						
79		Humes	Concrete Detention System	modules) Conc. Pipe units (2.44 m modules)	Reinforced Concrete - Sacrificial layer or Plastilined As per SEQ-SPS-1402-1			UW accepts only PE lined Pipe		
80		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			NOT ACCEPTED BY SP		
31		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 Accepted with condition	of 30 Year Warranty & Providing access opening of larger	r size about 1200 mm opening	
32		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 is subject to acceptance by SP	-			Use is subject to acceptance by SP
83		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
84 Emergency Storage Chamber	402 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.	Polynex	Polynex	From 600mm to 3000mm in diameter	Double walled HDPE As per SEQ-SPS-1402-1			Use Accepted - Minimum 20 year warranty		