

# **SEQ Water Supply and Sewerage Design & Construction Code**

## **SEQ Accepted Infrastructure Products and Materials**

# **SCHEDULE OF AMENDMENTS**

**Amendment No.9 – October 2017**



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## Schedule of Amendments to SEQ Accepted IPAM Lists (Changes from May 2017 Version to October 2017 Version)

SEQ Accepted Civil IPAM List	
Document Structure Change	
Column title Change Gold Coast	Title for City of Gold Coast has been changed to Gold Coast Water and Waste to reflect new naming convention by council.
Category: Sewerage Pipes and Fittings- Non Pressure	
PE fittings – Moulded	Changed UW's Column "Use is subject to acceptance by SP" to "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP." Updated QUU Col requirements
DI mechanical couplings - Non End Thrust Restraint	Added new manufacture "Daemco" in Col C Updated SP columns to reflect new manufacture
VC Pipe	Updated GCWW with "Use is subject to acceptance by SP, May only be used as jacking pipes"
Reinforced Concrete Pipe	Updated GCWW with "Use is subject to acceptance by SP"
Polycrete pipe	Updated GCWW with "Use is subject to acceptance by SP"
PE pipe - NuSewers	Updated QUU column with further requirements
DI IO bends or X Drop Fitting	Added requirement in col F "All DI fittings to be wrapped"
Non-return Valves	Added requirement in col F "All DI fittings to be wrapped"
Knife gate valve – Ductile Iron body	Added requirement in col F "All DI fittings to be wrapped"
Category: Sewerage Pipes and Fittings - Pressure	
DI fittings - bends, tapers, tees/branches, connectors, risers & caps/blank ends	Added in Col F "All DI fittings to be wrapped" Updated LCC column to reflect acceptance of "Dobbie Dico" fittings
DI mechanical couplings - Non End Thrust Restraint	Added in Col F "All DI Fittings to be wrapped" Added new manufacture "Daemco" in Col C Updated SP columns to reflect new manufacture
Resilient seated gate valves, thermal bonded polymeric coating	Updated Col E, AVK Series 570 valve to DN400 Removed GCWW "Use is subject to approval by SP" requirement for "Daemco" Updated QUU for Daemco to "Not Accepted by SP" Added new product to Col C and D Viadux "Auslite III" Updated Column B clause 4.4 with addition of "Refer Mechanical List" Added new requirement in Col f "All DI fittings to be wrapped"
PE fittings	Changed UW's column from "use is subject to acceptance by SP" to "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP" Updated Col B point 4.3 and col F with minor wording changes Updated QUU col with requirements
PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	Removed UW's column "Use is subject to acceptance by SP"

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316 SS repair and flanged off-take clamps	Added new manufacturer "Daemco" product "Norma Connect" and updated SP columns as required Updated Col B with "Type R or F by SP approval" and Col F with ".... Flanged off take clamps approved..."
PVC-O Pipe	Added new product line "Pipemakers Alphamain"
Ball Valves	Added new Product for UW "AVFI"
DI mechanical fittings - End Thrust Restraint (Gripper Type)	Added new Manufacturer for UW "Nova Siria/Hygrade Water" Added new requirement "All DI fittings to be wrapped"
Flange (DI) off-take clamps	Added new requirement in Col F "All DI fittings to be wrapped"
DI Flanged telescopic flexible fitting	Added new requirement in Col F "All DI fittings to be wrapped"
Dismantling joints for Flange Pipe and Fittings	Added new requirement in col F "All DI fittings to be wrapped"
Repair Couplings	Added new product row "Repair Couplings" and updated columns B to E with requirements and updated SP columns.
<b>Category: Sewerage Miscellaneous Items</b>	
Tracer Wire	Updated Col B with Service Provider Specific Requirements Updated Col F with "SoloShot EHS and SoloShot Xtreme" before "For HDD" Updated SP columns regarding use of Product
Non-return valves - free acting (without counterweight) Swing Check	Updated UW's column with "Use is subject to approval by SP" for all manufactures except "HMA Valveco"
Maintenance Shaft PVC	Updated Col B 4.11 to "Max depth 3.0 metres FSL to Invert of Sewer Pipe"
Maintenance Shafts PE	Updated Col B 4.10 "Max depth 3.0 metres FSL to Invert of Pipe" Added clause to QUU's column "Max depth of 5.0 meters is acceptable"
Maintenance Shafts Polypropylene - DN425 and DN600 risers	Updated Col B 4.10 "Max depth 3.0 metres FSL to Invert of Pipe"
Maintenance Shafts Polypropylene - DN225 and DN300 risers	Updated Col B 4.10 "Max depth 3.0 metres FSL to Invert of Pipe"
Pre-cast Maintenance Holes	Updated Col F with "Max depth of DN600 MS FSL to Invert of Pipe is 3.0 meters" and 4.5 to include "Calcareous aggregates no additional cover"
Pre-cast Concrete Converter Slab for Cast In-situ MHs	Updated col F with "Calcareous aggregates to be used"
Plastic Maintenance Holes	Updated Col F with "Max depth FSL to Invert of Pipe is 3.0 meters"
Concrete-Special Class (for Maintenance hole and for concrete in aggressive environment)	Updated point 4.3 with "Calcareous aggregate at 20mm"

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Maintenance hole lightweight composite lids and frames (non-corrosive)	Added additional clause to GCWW, "TMR approval is required on TMR roads"
Maintenance structure covers, frames and risers	Changed wording of "Watertight Type 'd'" to "Sealed type" in Col B
Detectable Marker Tape	Updated Col C with new Manufacture "Rain Harvesting" and updated SPs column for new product Updated Col B with new WSAA product specs and acceptance of Blue for Drinking water
Camlock	Added new row for Camlocks
Non-return valves - Swing check with counterweight lever arm	Updated QUU column with further requirements Updated GCWW column with approval of Challenger -RSSC product acceptance.
Non-return valves - free acting (without counterweight) Swing Check	Updated QUU column with further requirements
<b>Category: Water Supply Pipes – Pressure</b>	
PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	Removed UW's requirement "Use is subject to acceptance by SP", product is now accepted by SP
PVC-M pipe	Added requirement to GCWW "PN20 PVC-M and PN35 DI/DICL are preferred pipes for carriageways and industrial/commercial areas." Updated QUU for Pipemakers Enviromain to "Only accepted where PE is unsuitable"
DICL pipe	Added requirement to GCWW "PN20 PVC-M and PN35 DI/DICL are preferred pipes for carriageways and industrial/commercial areas." Updated QUU requirements to "Use of Vinidex ZAP products is subject to acceptance by SP"
DI Pipe - ISO	Added requirement to GCWW "PN20 PVC-M and PN35 DI/DICL are preferred pipes for carriageways and industrial/commercial areas."
PE Pipe	Updated LCC with "Approved for water services and water mains <= DN63 only. Other uses, or the use of larger diameters, are subject to acceptance"
PVC-O Pipe	Added new product line "Pipemakers Alphamain" Updated LCC column to reflect acceptance of product
Casing Spacers	Updated RCC column regarding the use of product
<b>Category: Water Supply Fittings – Pressure</b>	
DI Fittings	Changed "All DI" to "All DI fittings"
Resilient Seated Gate Valves, thermal bonded polymeric coating.	Updated Col E, AVK Series 570 to DN 400 Removed GCWW "Use is subject to approval by SP" requirement for "Daemco" Updated QUU for Daemco to "Not Accepted by SP" Added new product to Col D Viadux "Auslite III" Updated SPs regarding new product.

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	Updated clause 4.4 of Col B with addition of "Refer Mechanical List"
PE Fittings PE Fittings (for mains and large services)	Changed UW from "use is subject to acceptance by SP" to "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP" Removed QUU requirement "Use is subject to acceptance by SP" for Friatec/ Vinidex and updated requirements for SP Updated RCC column for Agru and Frialen fittings with "Accepted for Dn63 and DN 110" and re format RCC column
DI mechanical couplings - Non End Thrust Restraint	Added new manufacture "Daemco" Updated GCWW, LCC, QUU & UW to reflect acceptance by SP of "Daemco" Changed Col F "DI fittings" to "All DI Fittings" Added in Col F "DI must have thermal bonded polymeric coating"
Non-return valves - free acting (without counterweight) Swing Check	Updated UW with "Use is subject to approval by SP" for all manufactures except "HMA Valveco"
Hydrant and air valve isolator's valves	Updated UW with additional requirement "Clockwise Opening Direction"
Butterfly Valve	Added new Manufacturer "Hydroflow Distributors" updated SPs with "Use is subject to acceptance by SP" and LCC column with "Use is subject to acceptance by SP: Direction of closing anti-clockwise direction"
Lightweight DI bends, tees/branches & connectors	Col F Changed wording of "DI fittings" to "All DI fittings"
DI bends, tapers, tees/branches, connectors, risers & caps/blank ends	Col F Changed wording of "DI fittings" to "All Di fittings"
316 SS repair and flanged off-take clamps	Added new manufacturer "Daemco" product "Norma Connect" and updated SP columns as required Updated Col B with "Type R or F by SP approval" and Col F with ".... Flanged off take clamps approved..."
Hydrants	Added new manufacture for LCC "Dobbie Dico"
DI mechanical fittings - End Thrust Restraint (Gripper Type)	Added new Manufacturer for UW "Nova Siria/Hygrade Water"
Non-return valves – Swing check with counterweight lever arm	Updated GCWW column with acceptance of "Challenger – RSSC product"
Repair Couplings	Added new product row "Repair Couplings" and updated columns B to E with requirements and updated SP columns.
<b>Category: Water Services</b>	
Automatic Meter Reading (AMR) Systems (sub-metering applications)	Changed Col C "Watersave" to "SUMS" Updated QUU Col for products Enware and Utility Technology
Tapping saddle for PE - electrofusion	Changed UW from "use is subject to acceptance by SP" to "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP" Removed "Use is subject to acceptance by SP" from QUU for "Friatec/

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	Vinindex” manufacturer and updated SP col requirements
PE mechanical compression fittings for Small Diameter Water Service pipes	Updated Col C with new manufacturer/ supplier “Metforge” Updated LCC who has accepted use of new product “Metforge” Updated LCC column which has accepted the use of Viadux and NUPIGECO Updated Col B “AS/NZS4129, EN1254 or Equivalent” to “or 247” Added “Or PE to BSP” in Column F Updated QUU col with requirements for Austworld “Metforge” product Updated manufacturer “TOF” to “Zetco TOF”
Sub-meter assemblies	Updated GCWW with “Accepted with Slip Coupling” for Austworld products Added new Manufacturer product “RMC” KIT 227Q and updated QUU SPs acceptance of product
Slip Couplings	Added new Manufacturer “Austworld” to Col C Updated GCWW to reflect SP’s acceptance of product, updated other SP columns to reflect new manufacturer Updated QUU to “Not Accepted by SP” for all products Updated Col F with further clarification “...moving apart or...” to wording
Ball valves – Water Service	Updated QUU to Accept “Austworld” ball valves
Transition couplers	Updated Col B “AS/NZS4129, EN1254 or Equivalent” to “or 247” Added “PE electro-fusion” in Col F
Double check valve (DCV), Double check detector assembly (DCDA)	Added new Manufacturer “Hydroflow Distributors” updated SPs with “Use is subject to acceptance by SP”
Dual Check valves for Meter assemblies DN40 and Larger	Added new Manufacturer “Hydroflow Distributors” updated SPs with “Use is subject to acceptance by SP”
Reduced pressure zone device (RPZD), Reduced pressure detector assembly (RPDA)	Added new Manufacturer “Hydroflow Distributors” updated SPs with “Use is subject to acceptance by SP” except for LCC who has accepted the product and QUU who specifies acceptance requirements
Pressure Limiting Valve for Water Services	Added new Manufacturer “Hydroflow Distributors” updated SPs with “Use is subject to acceptance by SP”
Flowmeters	Fixed spelling mistake of “Siements” to “Siemens”
Ball valves – Water Service	Fixed WSAA product specs CI 4.2, 4.4 and updated Manufacture TOF to “Zetco TOF”
<b>Category: Water Supply Miscellaneous Items</b>	
Tracer Wire	Updated Col B with Service Provider Specific Requirements Updated Col F with “SoloShot EHS and SoloShot Xtreme” instead of prior “For HDD” Updated SPs columns
Security fencing	Updated UW with “In accordance with Unitywater’s specification Pr9903 – Specification for Building and Structural Works, Section 5.15 Security

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	Fencing.”
Detectable marker tape	Updated Col C with new Manufacture “Rain Harvesting” and updated SPs column for new product Updated Col B with new WSAA product specs
Camlock	New row added for Camlock’s
Casing Spacers	Updated RCC column regarding the use of product
<b>Category: Emergency Storage Chambers</b>	
Emergency Storage Chamber	Updated Col B with requirements Changed Col A name to “Emergency Storage Chamber” Added new Product for UW “Polynex”

<b>SEQ Accepted Mechanical IPAM List</b>	
<b>Document Structure Changes</b>	
Column Gold Coast	Changed Gold Coast Title from “Gold Coast City Council” to “Gold Coast Water and Waste”
<b>Products</b>	<b>Change</b>
<b>PUMPS</b>	
<b>ACTUATOR/ SOLENOID VALVES</b>	
Dual Input gearbox-gate valves	New product added for UW, “AVFI”
<b>MISCELLANEOUS ITEMS</b>	