

BOUNDARY CONNECTION PARTS LIST					
No.	DESCRIPTION	COMMENTS			
1	DN.100 'EuroMag MUT 2300' EL Flow Meter	Supplied by TasWater			
2	DN.100 Strainer	Owned, operated and maintained by Property Owner			
3	DN.100 Lug Type Butterfly Valve with Worm Gear Actuator	1 x Supplied by TasWater			
4	DN.100 Lug Type Butterfly Valve with Worm Gear Actuator - Not Required for Non-Testable Backflow Devices	or Approved Equivalent			
5	DN.100 PN16 Metallic Water Pipe	Copper not to be used			

No.	DESCRIPTION	COMMENTS	
6	Low Hazard DN.100 'ValvCheQ' DCO3 Double Check Non-Testable Valve - or equivalent  Medium Hazard DN.100 'ValvCheQ' DCO3 Double Check Testable Valve - or equivalent  High Hazard DN.100 'ValvCheQ' RPZD RP03 Complete Assembly - or equivalent	Owned, operated and maintained by Property Owner	
7	Earth Stake through 50mm Conduit		
8	DN.100 x 200mm Hydrant Riser with 25mm Tapping for Pressure Testing, 20mm Valve and Plug	Supplied by TasWater	
9	100mm (minimum) Reinforced Concrete Slab	SL72 placed central	
10	Concrete Thrust Block made to WSAA Standard	(Refer MRWA-W-205)	
11)	Pipe Wrapped where Concrete will contact Pipe	(Refer Note 3)	
12	Main Isolator	Supplied by TasWater	

## **VALVE & EQUIPMENT SCHEDULE**

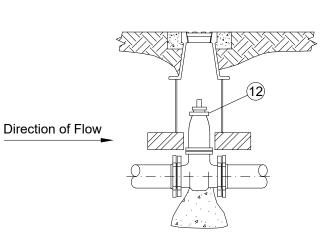
- 1. Only use products with watermark certification and approved for use by TasWater and listed within TasWater's approved products catalogue.
- 2. Installation must comply with manufacturer's written instructions.
- 3. All valves must be resilient seated, clockwise closing to AS 1628 with 316 stainless steel bolts and washers.
- 4. Unless approved otherwise the water meter/s, tails and meter boxes are to be supplied by TasWater.

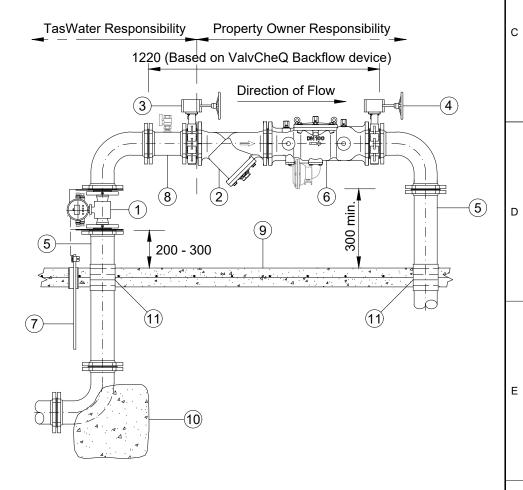
## **GENERAL NOTES**

- 1. All dimensions in millimeters (mm), unless noted otherwise.
- 2. DN refers to the nominal internal diameter of the installation/components.
- 3. A 3mm clearance has been added where a gasket is required.
- 4. All metallic pipework to be 'Denso' wrapped, or equivalent where it comes in contact with concrete to protect it from corrosion.
- 5. Where a vented back flow prevention device is required such as a Reduced Pressure Zone Device (RPZD) it shall:
  - Comply with AS 3500 and AS 2845; and shall
  - Have free ventilation to the atmosphere for the relief valve at all times.
  - Not be in an area that may be subject to ponding;
  - Have the relief drain outlet not less than 300mm above the surrounding surface.
- 6. Install the meter assembly in cage in accordance with TWS-W-0003.
- 7. The Property Owner is responsible for the ongoing maintenance of the security cage.
- 8. Install and locate the meter assembly so that the meter can be easily read.
- 9. The Magflow Meter requires a straight length of pipe measured from the centre of the meter:
  - To an upstream length of 5 times the Nominal diameter; and
  - To a downstream length of 3 times the Nominal diameter to minimize turbulance.
- 10. Earth the meter as per manufacturer's specifications.
- 11. Locate the meter in an upright position to ensure accuracy.
- 12. Install main isolator in ground to ensure minimum turbulence near the meter.
- 13. Concrete slab to have 50mm conduit for correct installation of earth stake.

## WARNING

Where a metallic water service is to be replaced using non metallic pipe a licensed electrician shall assess affected property's electricity supply for defects and the likely effect on earthing adequacy. Work can commence once the electrician declares in writing that it is safe to proceed.





## **ELEVATION**

1:20

Revision Notes

5. AMENDMENTS TO SHEETS 7, 12 AND 17

6. AMENDMENT TO ValvCheQ NOTE

7. UPDATE GEN NOTES, UPDATE METER HT, BOUNDARY CONNECTION PARTS TO SHEETS 13, 14, 15, 16, 17 AND 18

Rev. 7 Date 28/06/2023 Approved G. HENDERSON

taswater

SCALE - 1:20

metres

Scale	1:10			
Datum	N/A			
Sheet Size	A3			
References				
1.0.0.01000				

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l	Drawn	R. HAWLEY		07/02/2017	ľ
l	Designed	R. CAMERON		08/02/2017	I
l	Verified	Verified R. JAMES		20/03/2017	I
l	Project No.	JR16982-035	Discipline	W	I
l	Vault Folder	STANDARDS	© 2018		
l	HPRM File Ref. T15/82-006-0004				

APPROVED

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TASWATER STANDARD DRAWING
PROPERTY SERVICE CONNECTIONS
DN.100 WATER METER
ELECTROMAGNETIC FLOW METER

TASMANIAN WATER & SEWAGE CORPORATION PTY LTD

ABN: 47 162220 653

| TWS-W-0002 | Sheet Number | REVISION | 18 of 19 | 7

