



**NOTES:**

- All cabling within the building to be overhead on cable trays.
- All pumps to be designed and installed in accordance with CMDG D11.
- Output demand for the station will need to be calculated for the specific location which will result in variable pump and pipe sizes.
- 1m clearance between separate items.
- The ventilation of the building (e.g. windows) must meet the design requirements of AS 1688.2 'The use of ventilation and air conditioning in buildings'.
- Standby diesel generator may be located in an external enclosed structure if requested by the asset owner/operator.
- Provide provision for pump set/manifold isolation and bypass booster pump installation where requested by the asset owner/operator.
- Fire Pumps & Normal Duty Pumps may need to be equally sized. Contact Local Government Authority (LGA) to confirm.
- Roof construction to be suitable for installation of solar panels.
- Where possible the radiator discharge air should be ducted through the roof.

**THIS STANDARD DRAWING IS A GUIDE ONLY AND SHOULD NOT BE USED FOR DESIGN PURPOSES**

DN(OUT) AND DN(SUCTION MANIFOLD)  
Bill of Materials

| No. | Description of Item       | Qty. |
|-----|---------------------------|------|
| P1  | FL/FL Pipe, Length 1000mm | 2    |
| P2  | FL/FL 90° Bend            | 4    |
| P3  | FL/FL Pipe, Length 800mm  | 1    |
| P4  | FL/FL Pipe, Length 800mm  | 1    |
| P5  | FL/FL Concentric reducer  | 2    |
| P6  | FL/FL Pipe, Length 754mm  | 1    |
| P7  | FL/FL Pipe, Length 765mm  | 1    |
| P8  | Uniflange                 | 1    |
| P9  | FL/FL Pipe, Length 596mm  | 2    |
| P12 | FL/FL Tee Joint           | 2    |
| V1  | FL/FL Sluice Valve        | 3    |
| F1  | Electromagnetic Flowmeter | 1    |

DRAWING APPLICABILITY TABLE

| Council    | BSC | CHRC | GRC | IRC | LSC | MRC | RRC |
|------------|-----|------|-----|-----|-----|-----|-----|
| Applicable | Yes | Yes  | Yes | Yes | Yes | Yes | Yes |

REVISIONS

| REVISIONS                             | DATE    |
|---------------------------------------|---------|
| J PRESENTATION AND REFERENCES UPDATED | 10/2025 |
| I STRUCTURAL DETAILS REMOVED          | 03/2017 |
| H IRC ADDED                           | 11/2016 |
| G GRC AND LSC ADDED                   | 09/2014 |
| F DIMENSION AMENDMENTS                | 08/2014 |
| E POST AMALGAMATION REVIEW            | 01/2013 |

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Capricorn Municipal Development Guidelines

Incorporating:

Banana Shire Council (BSC) Maranoa Regional Council (MRC)  
 Central Highlands Regional Council (CHRC) Rockhampton Regional Council (RRC)  
 Gladstone Regional Council (GRC) Isaac Regional Council (IRC)  
 Livingstone Shire Council (LSC)

STANDARD WATER SUPPLY BOOSTER  
PUMP INSTALLATION  
TYPICAL LAYOUT PLAN

WATER

|                  |                       |
|------------------|-----------------------|
| STANDARD DRAWING | A3                    |
| CMDG-W-071       |                       |
| REV.             | E   F   G   H   I   J |