



PRESSURE MAIN DISCHARGE CHAMBER

NOTES:

1. Discharge Chambers, refer project drawings.
2. Backfill in vent trench shall be compacted to at least the same density as the surrounding soil.
3. Wind loads have been calculated for Terrain Category 2 and 3 in accordance with AS 1170.2. Mt=1. Region B.
4. Design parameters for soil properties:- Clay - $C_u \geq 15$ Kpa
Loose Sand - Relative Density $\geq 15\%$
Water Table at surface level
5. Concrete N32 in accordance with AS 1379 and AS 3600.
6. All steelwork hot dip galvanized after fabrication to AS 1650.
7. Bars Grade 250 to AS 1302. Plate Grade 250 to AS 3678.
8. All bolts & washers Grade AS 2837/316 stainless steel. Nuts and vent pole cover Grade AS 2837/304 stainless steel.
9. Anti-galling lubricant "Loctite 222 or 567" or similar approved shall be used on all threads and between all stainless steel abutting surfaces.
10. Corrosion Protection of discharge chamber or pump well alternatives:
 - a) Polyethylene chambers are preferred.
 - b) All internal surfaces shall be smooth and free of holes and lightly sandblasted or acid-etched before painting with Peerless Epigen 1311 or Parchem Nitocote EP410 in two coats with a total dry film thickness of 600 microns. The concrete surface shall have cured for at least 28 days; or
 - c) A fabricated chamber liner of polyethylene shall be placed before the wall and top slab is poured or use a complete polyethylene manhole system such as Iplex EZI pit or Wavin Tegra; or
 - d) An alternative method of corrosion protection approved by the Service Authority.
11. Any chamber within 100m downstream of rising main discharge to be protected in similar manner to discharge chamber.
12. All dimensions in millimetres.

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

| REVISIONS | DATE |
|-----------------------------|---------|
| E IRC ADDED | 11/2016 |
| D GRC AND LSC ADDED | 09/2014 |
| C VENT POLE DETAILS REMOVED | 01/2013 |
| B RRC AMENDMENTS | 04/2010 |
| A ORIGINAL ISSUE | 01/2010 |

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Capricorn Municipal Development Guidelines
Incorporating:
Banana Shire Council (BSC) Livingstone Shire Council (LSC)
Central Highlands Regional Council (CHRC) Maranoa Regional Council (MRC)
Gladstone Regional Council (GRC) Rockhampton Regional Council (RRC)
Isaac Regional Council (IRC)

PRESSURE MAIN DISCHARGE DETAILS

SEWERAGE
STANDARD DRAWING
CMDG-S-070
REV. A B C D E