



- NOTES:**
1. Pipes shown are diagrammatic only, refer project drawings for layout, levels, pipe types and classes.
  2. Concrete N25 in accordance with AS 1379 and AS 3600.
  3. All steelwork hot dip galvanized after fabrication to AS 1650.
  4. All bars Grade 400 to AS 1302. Fabric to AS 1304. Reinforcement bars shall be cut or displaced around pipes.
  5. All bolts and washers Grade AS 2837/316 stainless steel. All nuts Grade AS 2837/304 stainless steel.
  6. Ductile Iron Pipes, Valves & fittings, Class K12 to AS/NZS 2280. All underground ductile iron pipes and fittings shall be wrapped in polyethylene sleeving to AS 3680.
  7. Steel tube to AS 1074.
  8. Pressure relief valve with outlet pipe to discharge vertically onto floor slab. Outlet pipe shall be rigidly supported on a reinforced concrete column (200 x 400) and terminate 50 above slab. Reinforce with SL81 fabric placed centrally, folded and tied to floor reinforcement (250 MIN lap), 50mm edge cover.
  9. Switchboard shall sit on 300 high plinth. Plinth reinforced with SL81 fabric placed centrally, folded and tied to floor reinforcement (250 MIN lap), 50 edge cover, & shall be constructed to dimensions supplied by pump contractor. Electrical conduits to project 100 beyond top of the concrete plinth. For conduit layout, refer project drawing.
  10. All dimensions in millimetres.

**LEGEND**  
● Dimension is for Ø100 pipes.

APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	No	Yes	Yes	Yes	No	Yes	No
Applicable DWG							

REVISIONS	DATE
F IRC ADDED	11/2016
E GRC AND LSC ADDED	09/2014
D POST ALMAGAMATION REVIEW	01/2013
C BSC ADDED	09/2007
B CMDG REVIEW CHANGES	04/2007
A ORIGINAL ISSUE	10/2003

**DISCLAIMER.**  
The authors and sponsoring organisations shall have no liability or responsibility to the user or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused, directly or indirectly, by the adoption and use of these Standard Drawings including, but not limited to, any interruption of service, loss of business or anticipatory profits, of consequential damages resulting from the use of these Standard Drawings. Persons must not rely on these Standard Drawings as the equivalent of, or a substitute for, project-specific design and assessment by an appropriately qualified professional.

**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)

**HEADWORKS AT BORES**

WATER					
STANDARD DRAWING					
CMDG-W-050					
REV.	A	B	C	D	E
REV.	G				