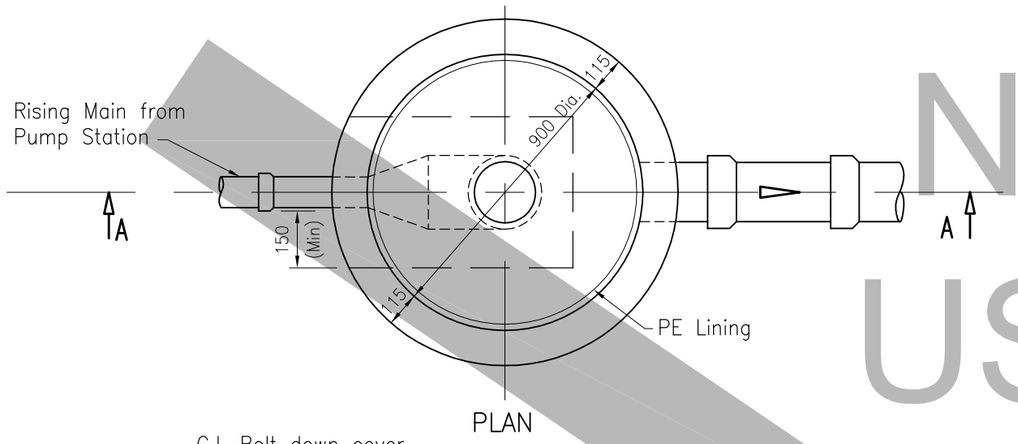
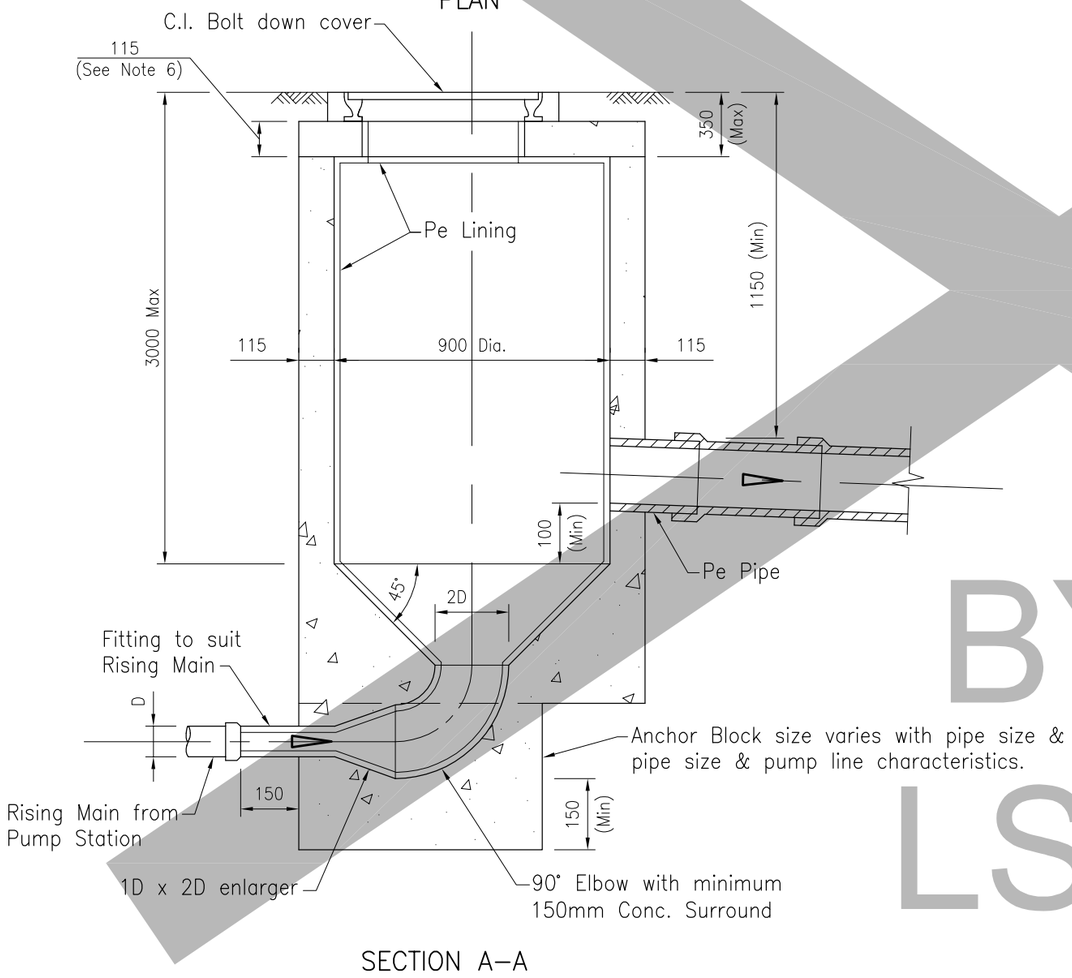
NOT USED
BY LSC



PLAN



SECTION A–A

PRESSURE MAIN DISCHARGE CHAMBER

Not to Scale

GENERAL NOTES

PUMP FLOW RATES SHALL BE DESIGNED TO PROVIDE A NON–TURBULENT DISSIPATION IN THE DISCHARGE MAINTENANCE HOLE.

DESIGN VELOCITIES FROM THE DISCHARGE MAINTENANCE HOLE SHALL CONFORM WITH THE DESIGN VELOCITIES FOR GENERAL SEWER DESIGN AS SET OUT IN THE "RETICULATION STANDARDS AND SPECIFICATIONS".

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 – Cu ≥ 15 Kpa
   Loose sand – Relative density ≥ 15%
   Water table at surface level.
5. Concrete N32 in accordance with AS 1379 and AS 3600.
6. Top Slab Thickness shall be increased from 115mm to 150mm where Class "D" Covers are specified for Trafficable Locations.
7. All steelwork hot dip galvanized after fabrication to AS 1650.
8. Bars Grade 250 to AS 1302. Plate Grade 250 to AS 3678.
9. All bolts & washers Grade AS 2837/316 stainless steel.
   Nuts and vent pole cover Grade AS 2837/304 stainless steel.
10. Anti–galling lubricant "Loctile 222 or 567" or similar approved shall be used on all threads and between all stainless steel abutting surfaces.
11. CORROSION PROTECTION OF DISCHARGE CHAMBER – Alternatives
    (a) Walls and top slab soffit shall be coated with a 5µm thick layer of Peerless Industrial Systems "Epigen" 1513 or an equivalent approved product. Chamber shall be sand blasted prior to epoxy coating.
    (b) A fabricated chamber liner of polyethylene shall be placed before the wall and top slab is poured. Black Brute Chamber Unit or similar.
    (c) An alternative method of corrosion protection approved by Service Authority.
12. Any chamber within 100m downstream of rising main discharge to be protected in similar manner to discharge chamber.
13. All dimensions in millimetres.
14. This Standard Drawing applies for All Discharge Reticulation Sewers up to 300mm Dia.

REVISIONS		APPROVED	RPEQ	DATE
B	LSC ALTERATIONS	D.T.	5424	24/03/06
A	ORIGINAL ISSUE			

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 nor 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: Rockhampton City Council, Livingstone Shire Council, Fitzroy Shire Council, Mount Morgan Shire Council

PRESSURE MAIN DISCHARGE DETAILS – OPTION B
Livingstone Shire Council

STANDARD
STANDARD DRAWING
SD–S–071–LSC
REV. A B