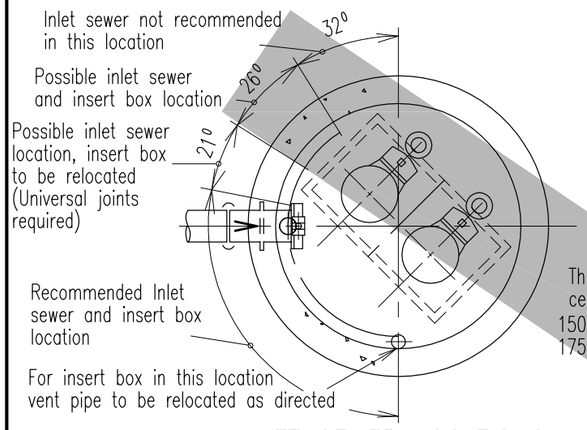
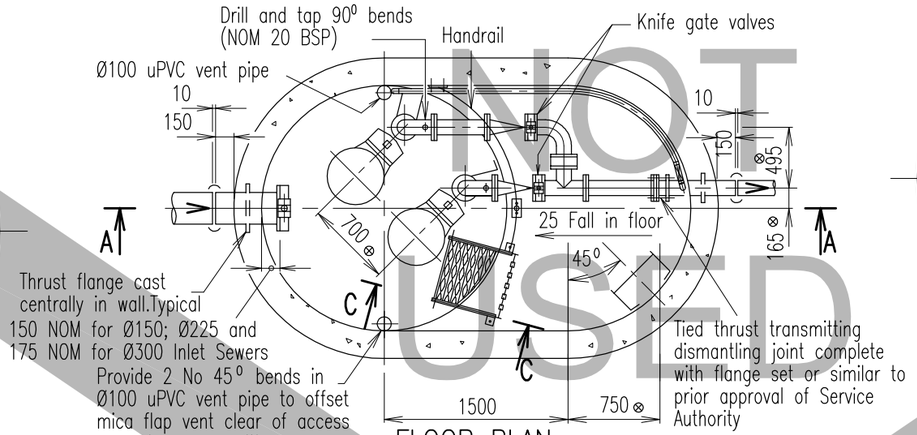
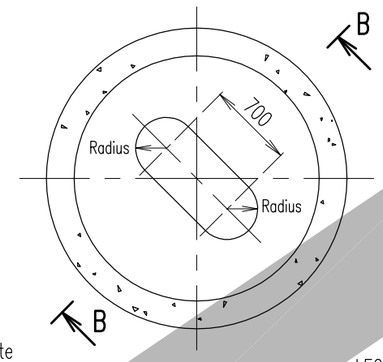


INLET SEWER LOCATIONS

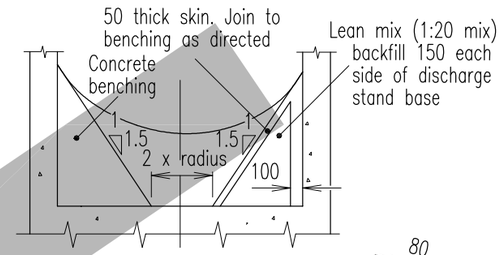


FLOOR PLAN

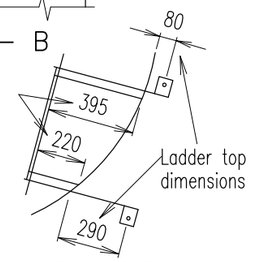


PUMPWELL FLOOR

Showing benching only
Refer note 4



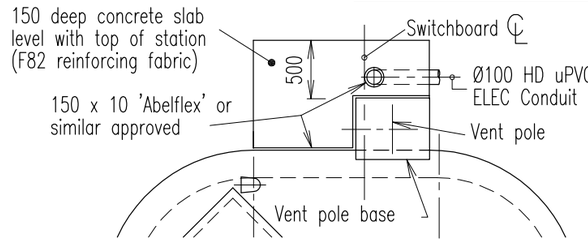
SECTION B – B



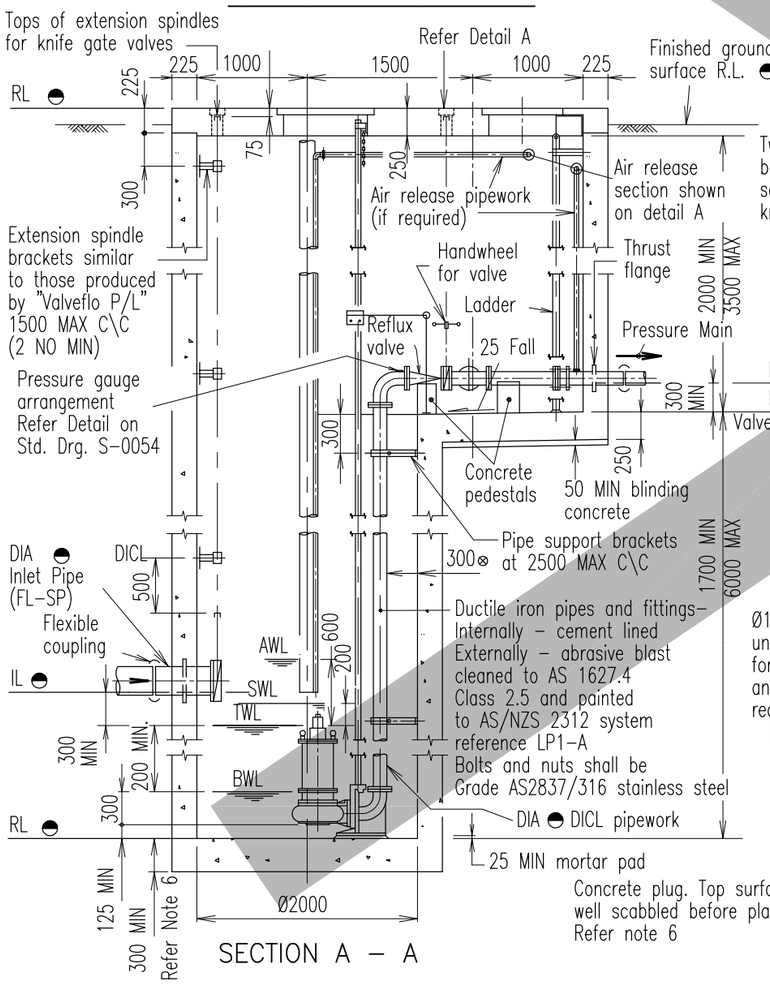
LADDER DIMENSIONS

LEGEND

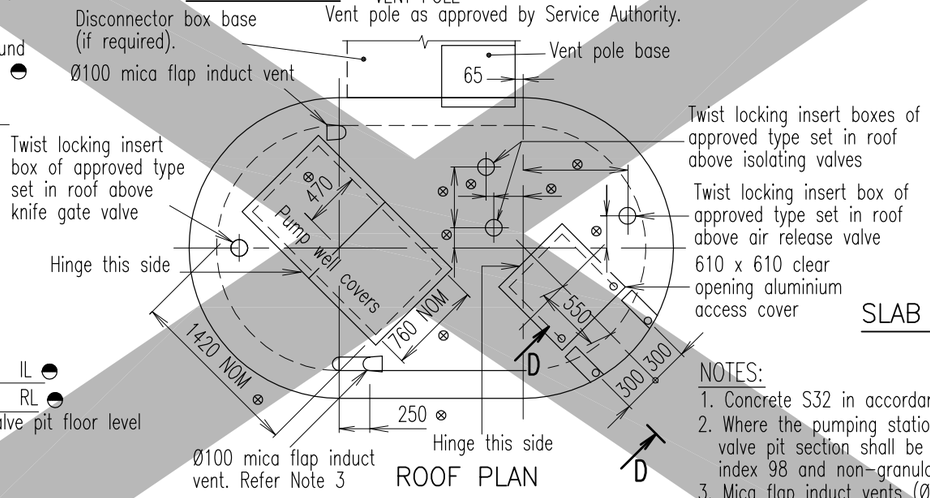
⊗ These dimensions shall be supplied by the Superintendent upon receipt of approved drawings from the Equipment Supplier



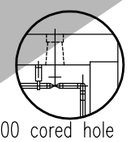
SLAB DETAIL FOR VENTPOLE MOUNTED SWITCHBOARD



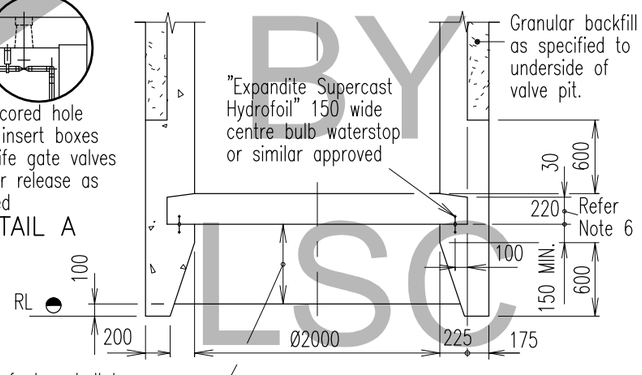
SECTION A – A



ROOF PLAN



DETAIL A



PART SECTION A – A

ALTERNATIVE CAISSON CONSTRUCTION

NOTES:

1. Concrete S32 in accordance with AS 1379 and AS 3600.
2. Where the pumping station is constructed in part or wholly in open cut excavation, backfill under the valve pit section shall be approved material. Granular material shall be compacted to relative density index 98 and non-granular to 98% maximum dry density as determined by AS 1289, E1.1
3. Mica flap induct vents (Ø100 CI) shall be installed in the pumpwell roof. Vents shall be similar to those produced by Charmac Industries Pty Ltd and shall be hot dip galvanized to AS 1650. Vents shall have Ø100 uPVC Class 9 pipe extended into the pumpwell to IL of the inlet pipe and be clipped to the wall as directed by the Superintendent.
4. Benching dimensions shall be as directed by the Superintendent. The "Radius" at floor level shall be equal to the pump's volute radius with concurrent centre lines. The 700* dimension shall be adjusted to suit the pump unit spacing. The 50mm thick skin shall be 2:1 fine sand and cement mortar.
5. All internal surfaces of the pumpwell and valve pit shall be coated with Peerless Emulsion "Epigen 1311" or Wattyl "Sigmaguard CSF75" (White or Off-white). The concrete surface shall be smooth and free from holes and lightly sandblasted or acid-etched before painting. The concrete surface shall have cured for not less than 28 days. The paint shall be applied in two coats with a total dry film thickness of not less than 600 microns.
6. Floor and plug thicknesses shown are minimum only, thickness to counter flotation of structure shall be determined by the designer.
7. (a) . The isolating valve on the inlet sewer shall be a fully Grade AS2837/316 stainless steel lugged knife gate valve including stainless steel superstructure and non-rising spindle adaptor with stainless steel metal to metal seat.
   (b) Reflux valves shall be coated internally and externally with a fusion bonded epoxy.
8. On section A-A pump unit and pipework, inlet pipe, valve pit ladder and openings in roof are shown in section plane for convenience. Benching not shown. Refer Section B-B. Pump well ladder not shown, refer Section C-C on Standard Drawing SD-S-055.
9. Refer project documentation for control levels and pipe DIA marked '◓'.
10. All dimensions in millimetres.

NOT USED
BY LSC

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

SUBMERSIBLE SEWAGE PUMPING STATION GENERAL ARRANGEMENT 2000mm DIA.

Livingstone Shire Council

STANDARD

STANDARD DRAWING

SD-S-050-LSC

REV. A B