

THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND THE INTELLECTUAL PROPERTY OF ADS DESIGN. IT IS DISCLOSED IN CONFIDENCE ON TERMS THAT IT WILL NOT BE DISCLOSED TO ANY THIRD PARTY, USED, SOLD, LOANED, LICENSED OR REPRODUCED IN WHOLE OR IN PART IN ANY MANNER OR FORM FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF ADS DESIGN.

© ADS DESIGN

NOTES:

GENERAL INFORMATION

Overall tank dimensions shown are indicative for a 75,000 litre tank - actual tank suppliers products may vary. These overall dimensions must be adjusted to suit for other suppliers and for other tank capacities with differing overall dimensions.

BELOW GROUND TANK INSTALLATION

Contractor to consult with the ground investigation report to make necessary allowance for ground water levels and any requirements for pumping during installation.

Tank slab designed for a ground bearing pressure of 100kN/m² to the satisfaction of the local building inspector.

Should the ground conditions provide a bearing pressure of less than this then the Engineer should be consulted.

Prior to excavations of tank farm contractor is to confirm with tank manufacturer overall size of tanks.

Line excavation, base and sides with Terram 1000 membrane prior to pouring base and wedge membrane under base.

Lay 200mm wide x 15mm thick oil resistant neoprene bedding gasket under tank centreline. 150mm oversail to tank gasket at each end.

Tank base foundation to be 250mm thick Grade 30N sulphate resisting RC slab with 1No. layer A193 mesh top and bottom with min. 150mm min. sand blinding.

Tank lashings cast into tank base slab -
1 no. strap per every 10,000 litres or part of.

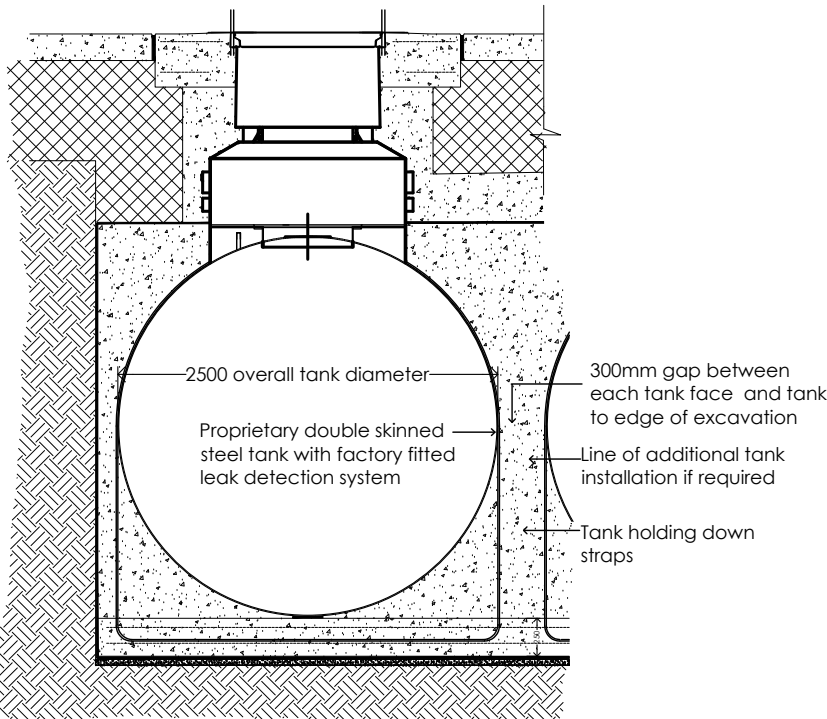
All straps to comprise of nylon webbing positioned equally avoiding chambers, (max 500mm from tank ends). Typically min 8 no. tank strap anchorages for each 75,000 litre tank.

TANK CHAMBERS

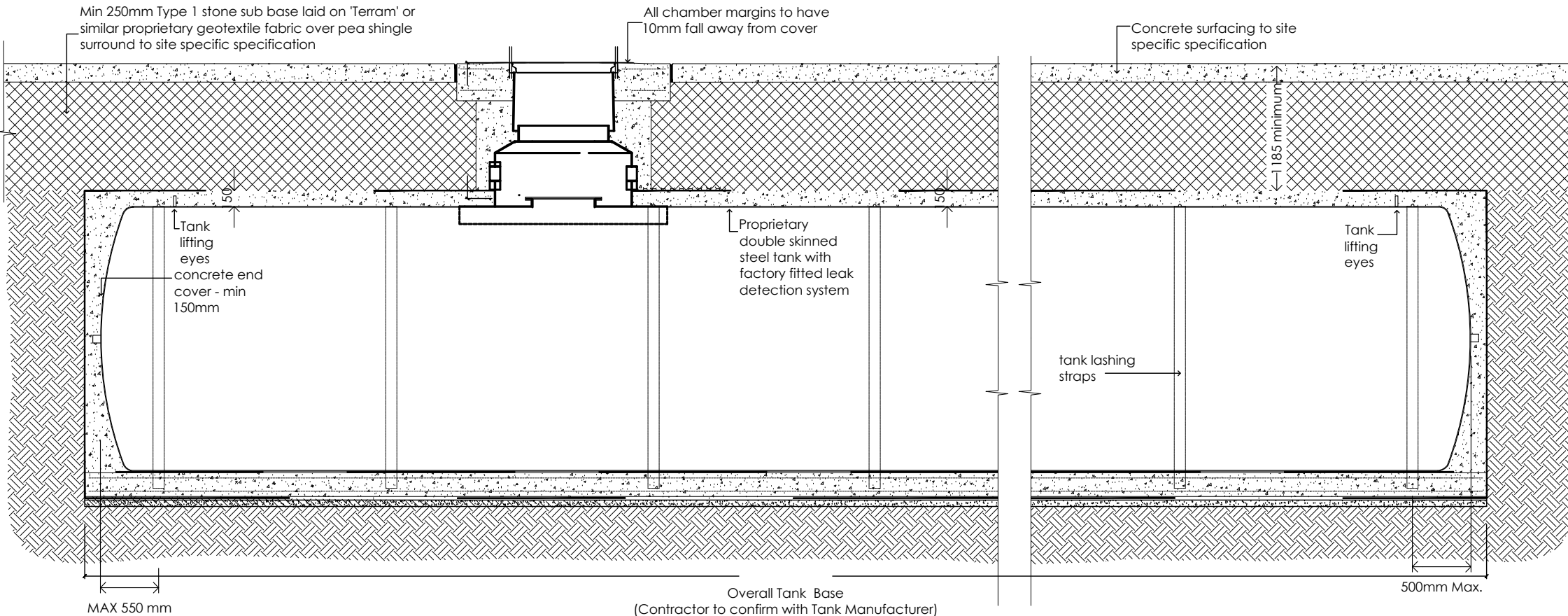
Tank manhole surrounds to be ATLAS Mono Gen 2 Mono chamber with integral corbel, constructed from mild steel plate with predefined pipe entry and exit positions incorporating ATLAS pipe boot sealed entry system. Chamber system to be welded directly to the tank during tank manufacture and tested to ensure chamber is watertight and leak free. 150mm pea shingle surround to manhole chamber.

All chambers to be pressure tested prior to completion.

Tank manhole covers to be Fibrelite FL90 cover and frame



END SECTION



LONGITUDINAL SECTION

REVISIONS

CLIENT **ROTTNER & RUDGE**

**PROJECT 71 CARDIFF ROAD
NEWPORT
NP20 2EN**

TITLE BELOW GROUND
TANK SECTION

DATE 01.05.24

SCALE 1:50 @ A3

JOB ID 1884

DWG 22