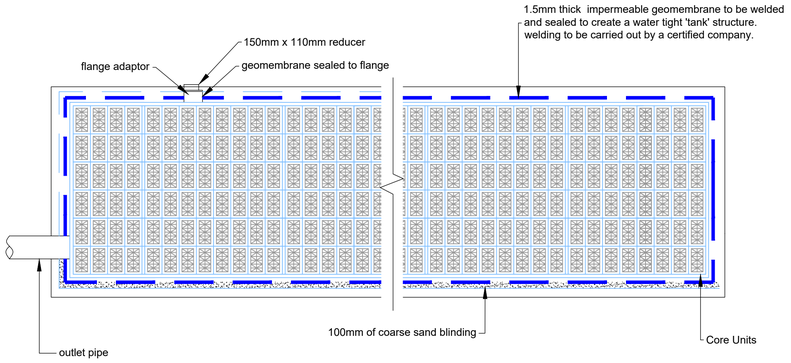


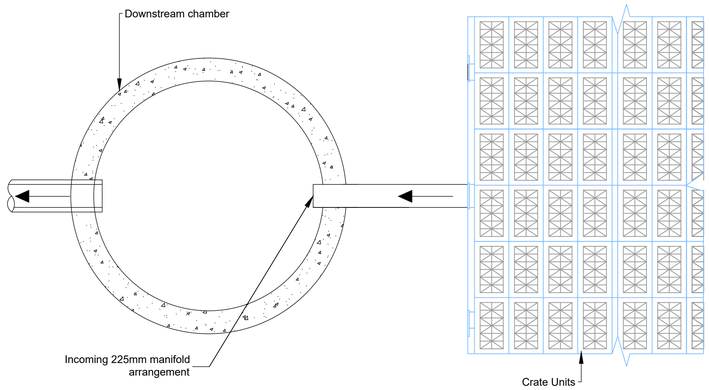
Sump at each end of trench to drain water while installing the tank

Based on polypipe polystorm unit (1.0m x 0.5m x 0.4m high) and laid to manufacturers recommendations

Manhole dimensions and design to suit health and safety requirements

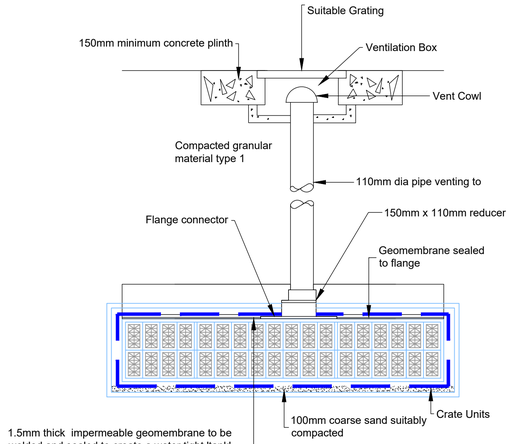
Typical Section Through Cellular Crate Storage

Scale: NTS



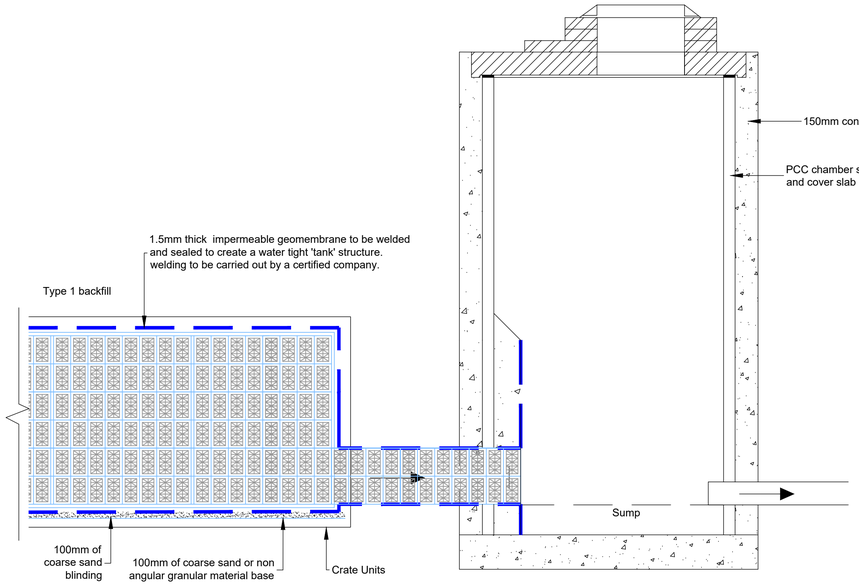
Typical Outgoing Manifold Connection Configuration

Scale: NTS



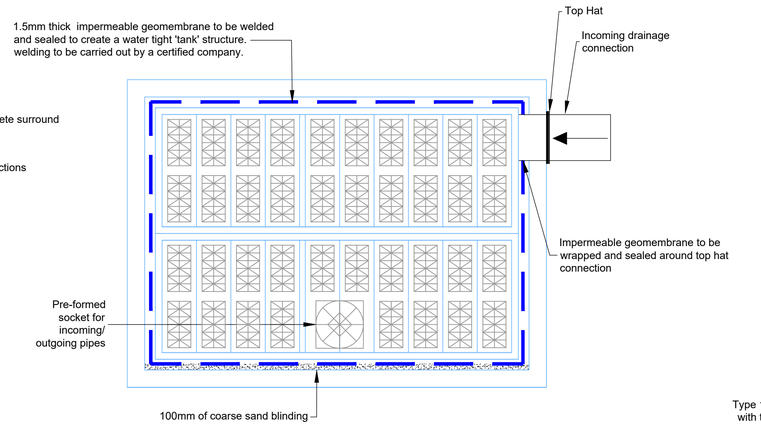
Note: It is recommended that one vent pipe, 110mm in diameter, is provided per 7,500 square meters of impermeable catchment area on a site

Note: Vent to be positioned out of the way of children/ those with visual impairments. To be concealed within nearby planting.



Typical Box Feed Connection

Scale: NTS



Typical Incoming Connections

Scale: NTS

Backfill Notes
Type 1 or Type 2 sub-base backfill to the sides and over the cells only. Material to be compacted in accordance with table 6/1 or 8/1 of the specification for highway works and taking into account maximum roller weights as advised by manufacturer.

Construction plant **not** to traffic near or over tank locations unless specifically authorised by the engineer.

Typical Air Vent Installation Details

Scale: NTS

For Trafficked Areas - With Storage Wrapping

Pipework shown indicatively only. See general arrangement for locations and levels of pipework.

POLYPIPE POLYSTORM UNIT (FOR TRAFFICKED AREAS)
(EACH UNIT 1.0 x 0.5 x 0.4)
LAID TO MANUFACTURERS RECOMMENDATIONS
0.6m COVER BETWEEN TOP OF TANK AND GROUND LEVEL

Notes
Type 1 or Type 2 sub-base backfill to the sides and over the cells only. Material to be compacted in accordance with table 6/1 or 8/1 of the specification for highway works and taking into account maximum roller weights as advised by Manufacturer.

Construction plant **not** to traffic near or over tank locations unless specifically authorised by the engineer.

Units to be wrapped in a geomembrane as recommended and specified by the manufacturer units to be placed on 100mm deep of sharp sand.
Pipe entry points and geotextile to be sealed in accordance with manufacturers recommendations, including welded double seams.
Polystorm by Polypipe units to be used unless specific agreement given by client for alternative approved product.

DO NOT SCALE THIS DRAWING | A1

GENERAL NOTES:

1. Before construction commences, the setting out Engineer shall ensure that all setting out information is mutually compatible with all the drawings and documents provided by the designers. Where information is apparently contradictory or ambiguous, the design Engineer and/or the Architect is to be informed immediately. Thomas Consulting will accept no liability for setting out errors where work is constructed to incorrect information.

2. All drawings and documents are to be read in conjunction with one another, are mutually compatible and shall be read as such. All documents shall be checked to ensure that they are compatible by the contractor before construction commences. In the event of apparent ambiguity or contradiction the engineer and/or architect shall be notified immediately. Thomas Consulting accept no liability in the event of not being so notified and where construction work has commenced.

3. In accordance with CDM regulations 2015 this drawing has been prepared with due attention to identifying any unusual design hazards that may exist. Unusual design hazards are hazards that a reasonably competent contractor, experienced in this type of work may not be expected to identify. In dealing with unusual design hazards we have adopted the "ERIC" principle and where possible eliminated (E) the hazard at design stage, if it has not been possible to eliminate the hazard we have endeavoured to reduce (R) it. Where it has not been possible to eliminate these hazards, the hazard is noted on the drawing with appropriate information (I) in order that the hazard can be controlled (C) during construction. It is the contractor's responsibility to fully acquaint themselves with all construction drawings before commencing construction and if in doubt about any matter to ask for clarification from the designer.

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PROPRIETARY PRODUCT DIMENSIONS MAY VARY SLIGHTLY FROM AS NOTED, DIMENSIONS TO SUIT PREFERRED MANUFACTURERS PRODUCT SPECIFICATIONS.
ALL PROPRIETARY PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECFICAITIONS

REVISIONS

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
P1	24.09.25	Preliminary	MD	BRH

DRAWING STATUS: FOR DISCUSSION

THOMAS CONSULTING
STRUCTURAL & CIVIL DESIGN ENGINEERS
Chorley | Lancaster | **Liverpool** | London | Shrewsbury
01772 299040 | info@thomasconsulting.co.uk

CLIENT: COSMIC BUILD

PROJECT: STORE STREET, MANCHESTER

DRAWING TITLE: DRAINAGE DETAILS PART 3

DATE CREATED:	DRAWING SCALE:	DRAWN BY:	CHECKED BY:	QA CATEGORY:
12.09.2025	1:50 @A1	MD	BRH	4

DRAWING REF: LV0118-TC-SS-DT-DR-C-053 | REV: P1

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