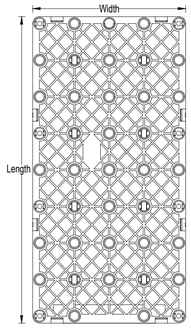
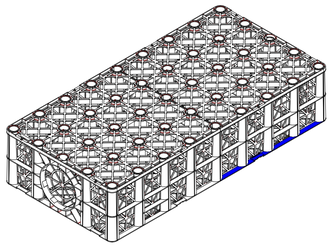
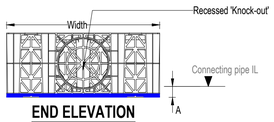
POLYSTORM CELL
Product Code: PSM1A



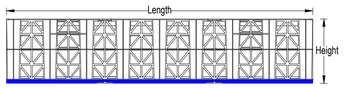
PLAN VIEW
Scale 1:10



ISOMETRIC VIEW
Scale 1:10



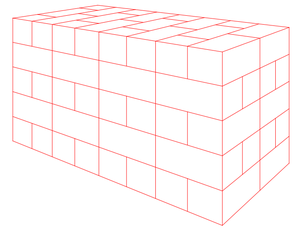
END ELEVATION
Scale 1:10



SIDE ELEVATION
Scale 1:10

POLYSTORM TABLE

NAME	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	A (mm)	VERTICAL STRENGTH (kN/m²)	LATERAL STRENGTH (kN/m²)	COLOUR	MATERIAL
Polystorm - R	PSM1A	1000	500	400	25	610	63	Black	Recycled Polypropylene



TYPICAL ATTENUATION CELLS LAYOUT
N.T.S.

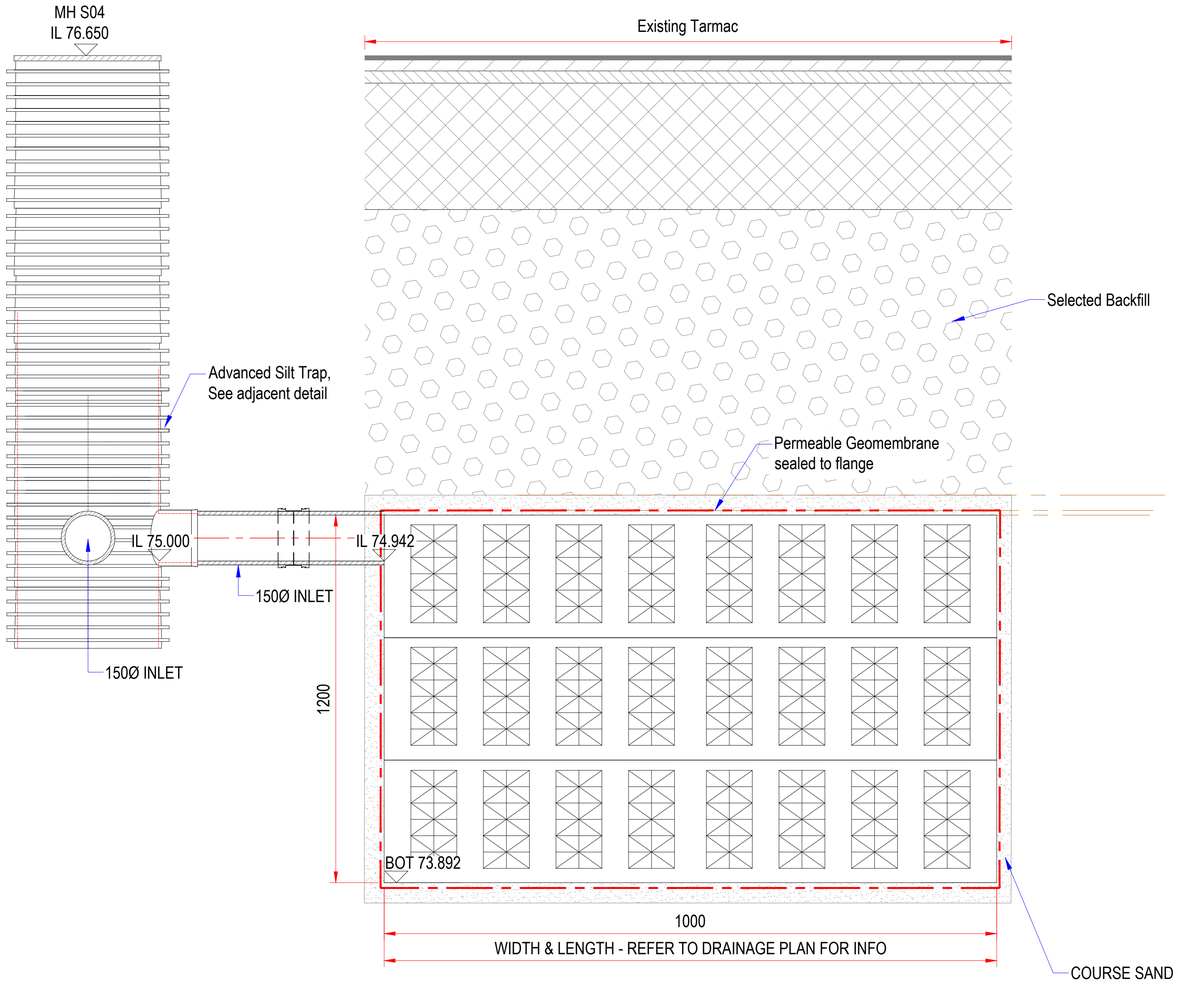
Notes-

This drawing is copyright and must not be copied in part or in whole unless agreed with Avie Consulting Ltd.

All dimensions are in millimetres unless noted otherwise.

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK

1. All dimensions & levels to be checked by the contractor prior to commencement of work, any discrepancy shall be reported immediately to Avie Consulting Ltd.
2. All work shall be carried out in accordance with Local Authority, statutory authority, health & safety requirements and regulations.
3. The drawings shall be read in accordance with all other contract documents relevant at that time of issue and during the period of the contract.
4. The contractor must ensure the overall stability of the works is adequate at all stages of the construction.



ATTENUATION CELLS POLYSTORM - R
SCALE 1:10

Typical Installation Procedure

1. Excavate the trench to the required depth ensuring that the plan area is slightly greater than that of the units.
2. Lay 50mm bed of coarse sand or non angular granular material, level and compact.
3. Lay the geotextile* over the base and up the sides of the trench.
4. Lay the units parallel with each other. In multiple layer applications, wherever possible, continuous vertical joints should be avoided. Units can be laid in a 'brick bonded' formation (i.e. to overlap the joints below). For single layer applications use the clips and for multi layers use the clips and the shear connectors.
5. Fix the Adaptors to the units as required and connect pipework.
6. In order to prevent silt from entering the tank, clogging inlet pipework and reducing storage capacity, it is recommended that the Domestic Silt Trap or a standard Silt Trap is installed prior to the inlet pipework.
7. Wrap and overlap the geotextile covering the entire structure.
8. Lay 100mm of coarse sand or non angular granular material between the trench walls and the structure and compact.
9. Lay 100mm of coarse sand or non angular granular material over the geotextile and compact.
10. Backfill with suitable material

* THE GEOMEMBRANE SHOULD BE SELECTED ACCORDING TO SPECIFIC SITE CONDITIONS. SPECIALIST ADVICE SHOULD BE SOUGHT.

FOR SPECIFIC SIZES AND LEVEL INFORMATION REFER TO DRAINAGE PLAN DRG P4920-01

ATTENUATION DETAIL IS TYPICAL AND SPECIFIC DETAILS SUCH BE CONFIRMED/ OBTAINED FROM CHOSEN TANK MANUFACTURER
DETAIL AND DESIGN BASED UPON POLYSTORM - R ATTENUATION CELLS.

Rev	Details	By	Chk	Date
Ø	Initial issue	J.C.	T.C.	01.04.2026

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Client: Modulek

Project: Colliers Park, Wrexham

Title: Attenuation Tank Details

Drawn:	Checked:	Date:	Scale:	Original dwg size
J.C.	T.C.	April 2026	As Stated	A1

Drawing Number: P4920-02-02 Rev: Ø