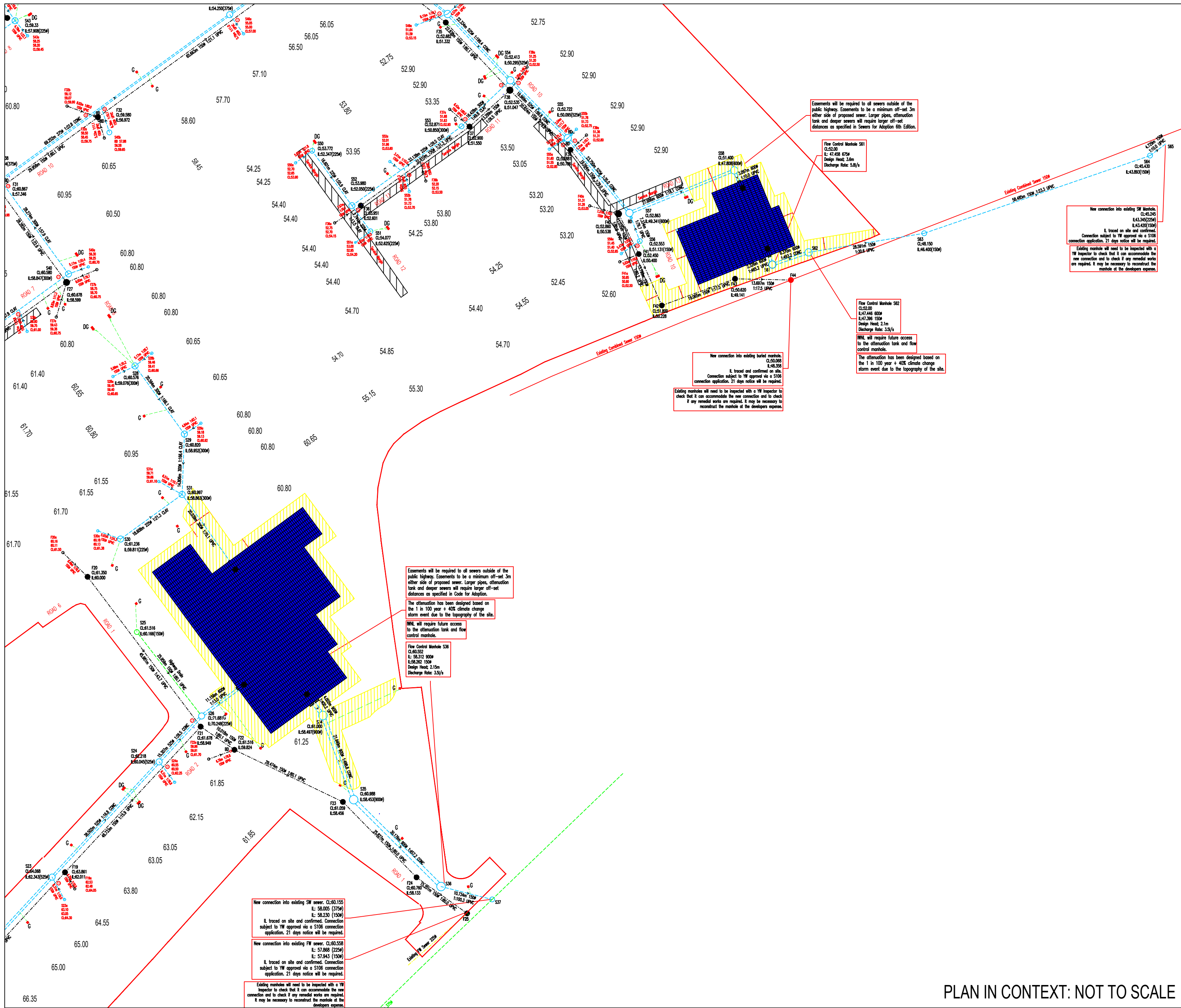
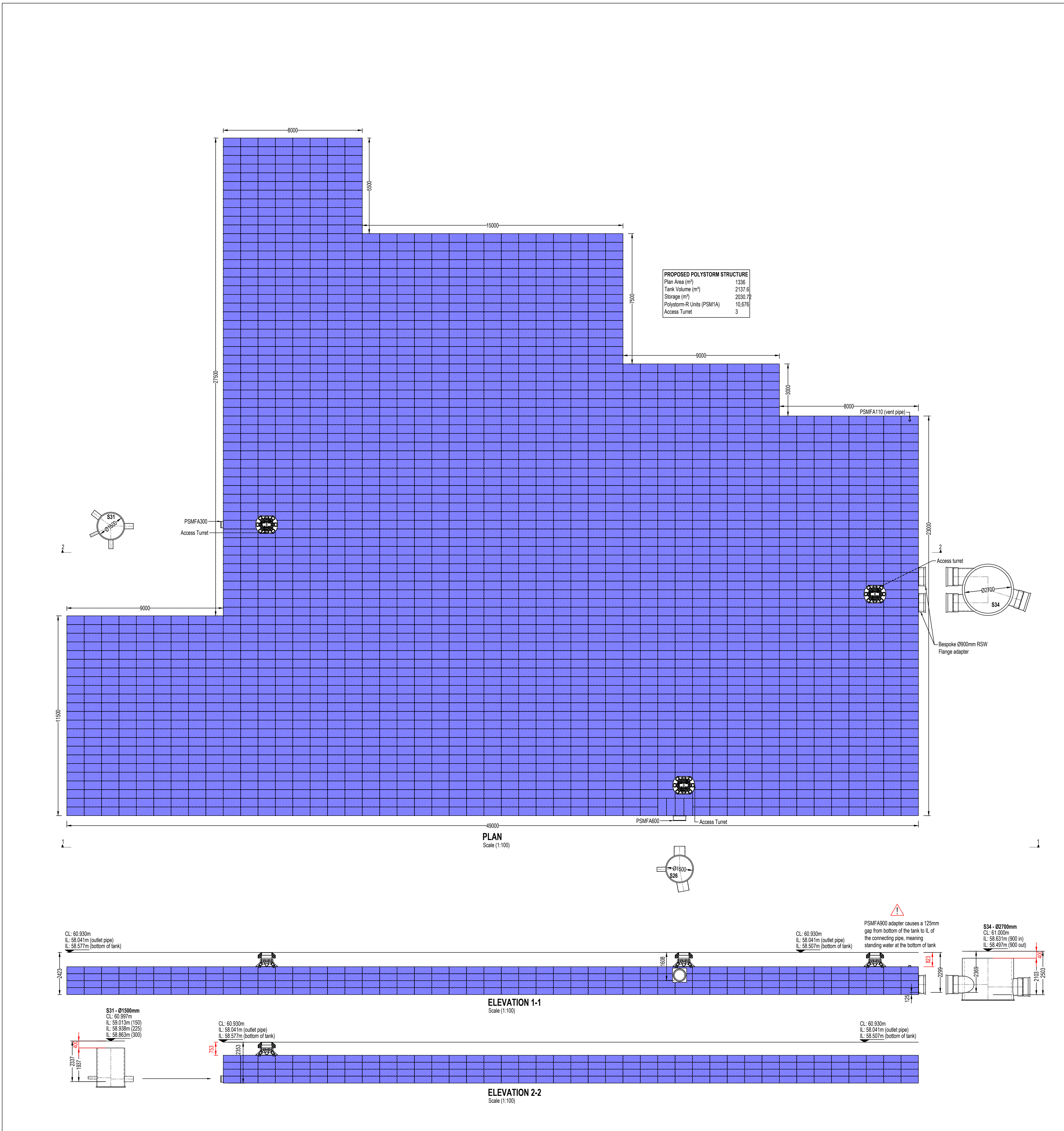
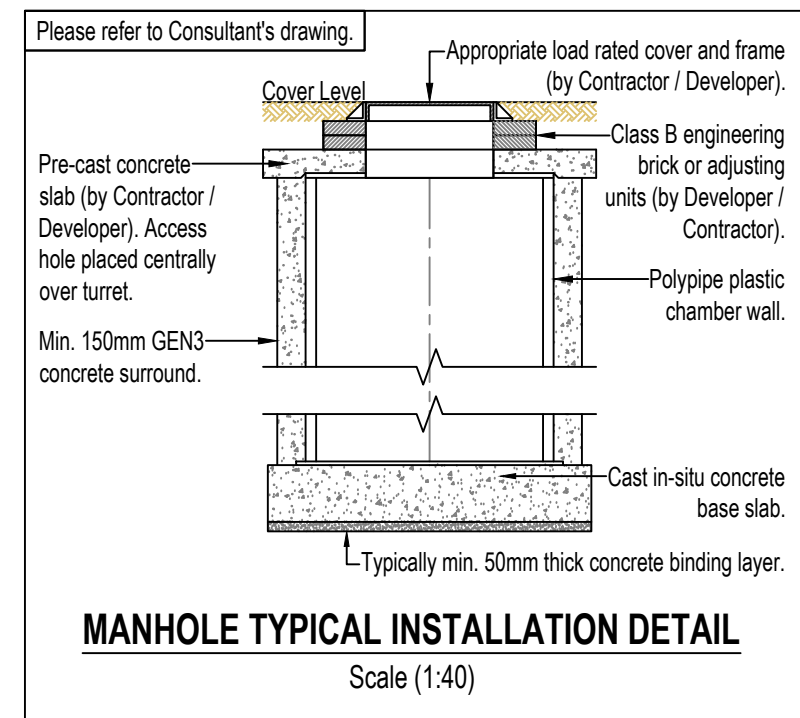
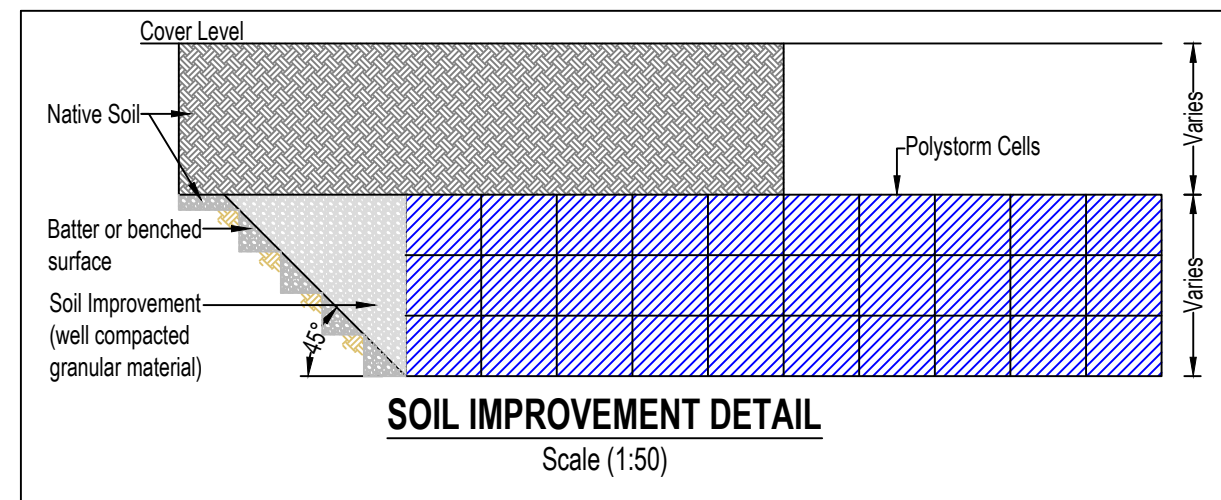
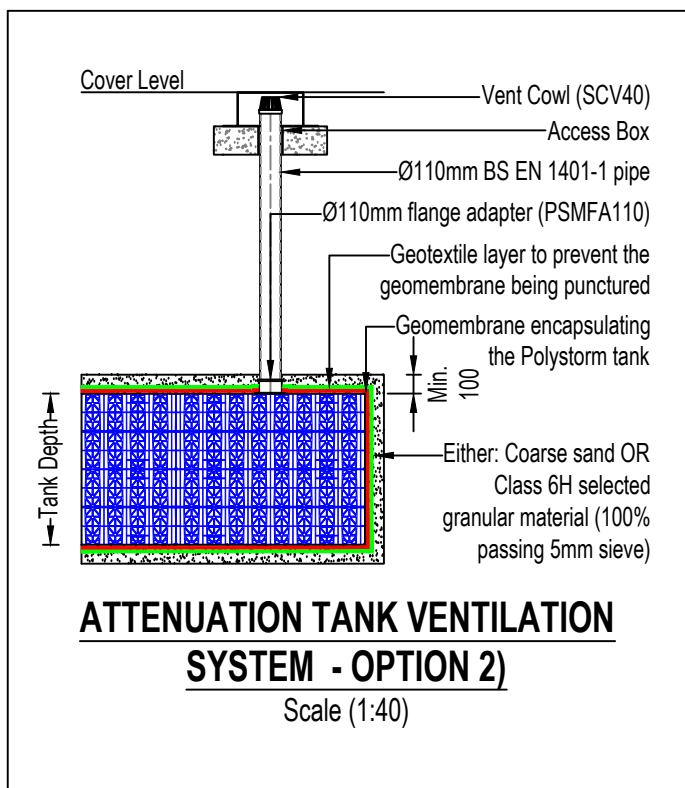
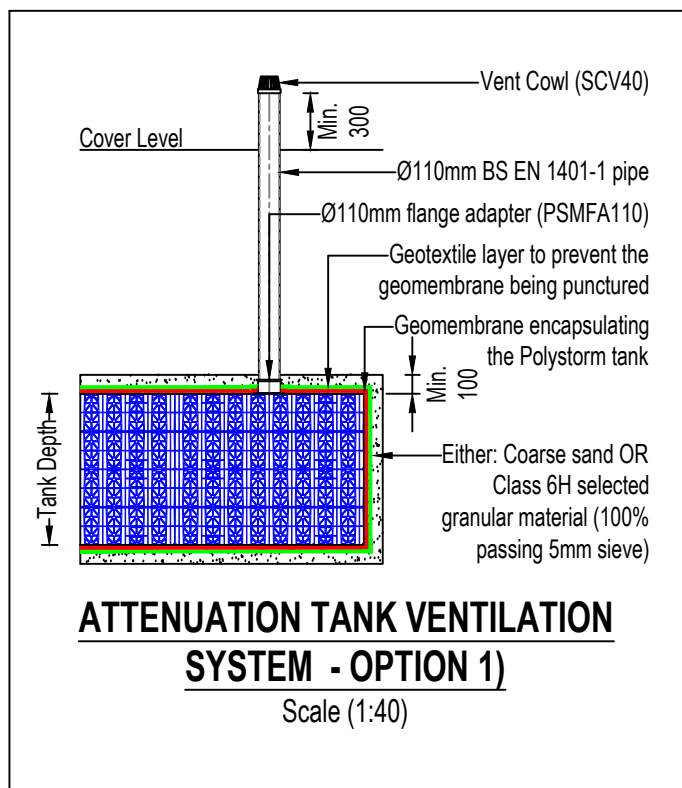
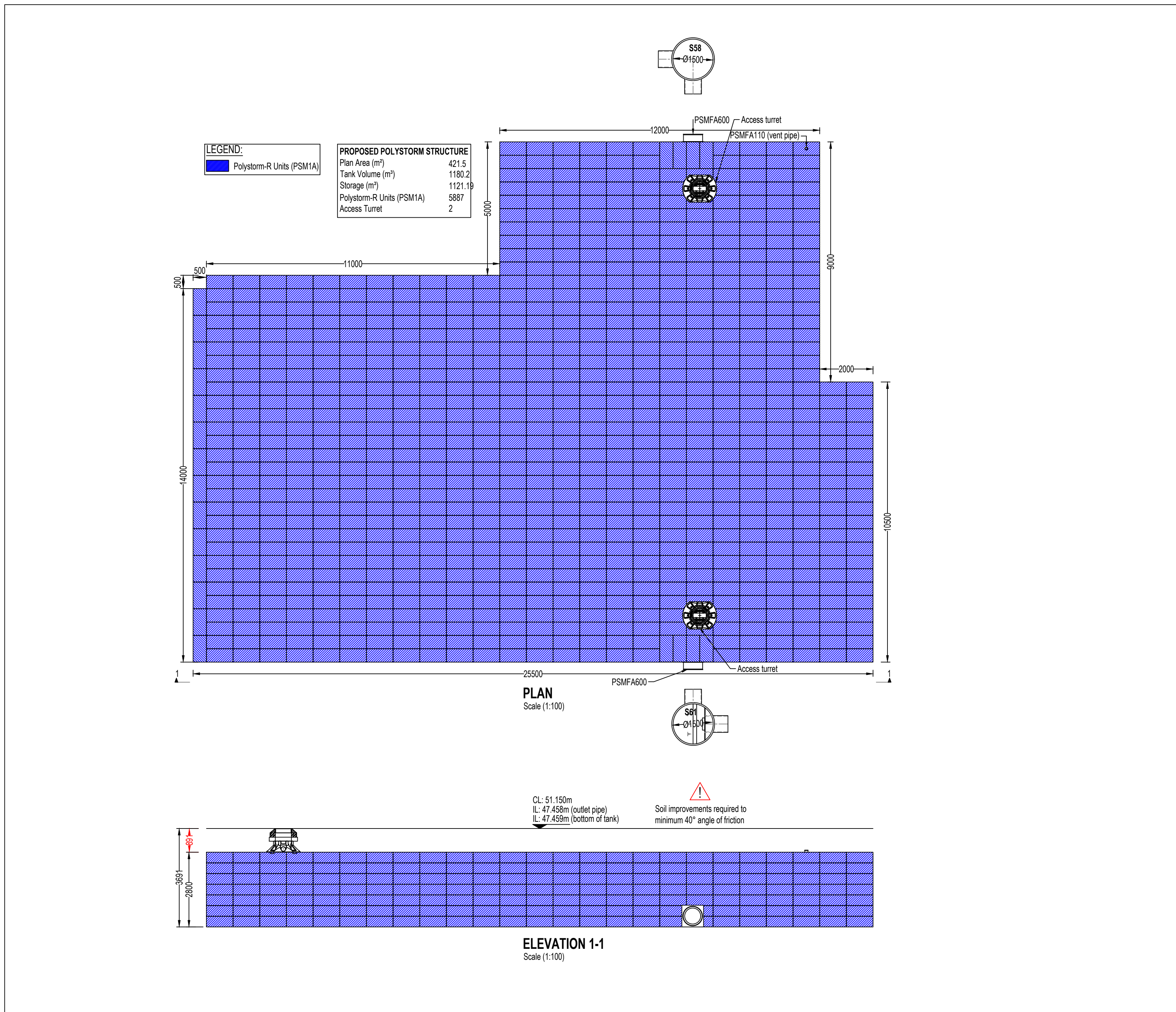




PLAN IN CONTEXT: NOT TO SCALE



POLYSTORM NOTES

- This drawing needs to be read in conjunction with all relevant Architect, Engineers and specialist drawings.
- Stormwater Attenuation / Infiltration system shall be Polypipe Civil's Polystorm pre-formed geocellular system, with minimum 94% volumetric void. Units shall be installed using recommended joining clips to maintain rigidity and minimise deflection.
- Multi-layered Polystorm tank configurations shall be fixed with proprietary shear connectors between each vertical layer to maintain rigidity and minimise lateral displacement.
- Drawings should be read in conjunction with the supporting structural calculations, which are illustrative and should be validated by a suitably qualified Engineer, or similar.
- For field conditions, backfill should be placed and compacted in layers no greater than 300mm and for trafficked areas, backfill should be placed and compacted in layers no greater than 150mm.
- The installer shall ensure that all expected temporary construction transient loads have been considered as part of the structural design and a minimum of 300mm backfill should be placed prior to initial completion.
- Polystorm Tanks should be installed in accordance with Polypipe Civils recommendations (refer to technical guidance for further information).

COVER SLAB THICKNESS

- Where cover slabs are applicable, the slab thickness (shown in red) has been assumed and therefore needs to be confirmed by others.

GENERAL TOLERANCES

All dimensions in millimetres, unless otherwise stated

PIPE Ø RANGE	TOLERANCE ±
< 300	5
> 300 to 750	10
> 750 NON ROLL	20
> 750 ROLL	+50 / -30

ANGLES	+1°30'
TYPICAL BENCHING SLOPE	1:9" - 5:7"
EXTERNAL BASE FLANGE	50 ± 20
ALL OTHER DIMENSIONS	+50 / -30

NOTES

- Standard spigots in accordance with ES23
- All dimensions annotated with * indicate points of intersection
- If applicable, dimensions annotated with KCB are key BM dimensions
- Remove all burrs and break sharp edges
- Spigot test at joints that require leak-tightness
- Team leader inspection points identified by:

JOINING KEY

Socket	RS	Ring seal joint
Spigot	EW	Internal extrusion welding joint
Spigot	EF	Electro-fusion joint

GENERAL NOTES

- This drawing details Polypipe Civils proposed offering, reflecting our interpretation of the information provided.
- Polypipe bespoke Ridgstorm XL chambers are complete pre-formed units.
- Polypipe products to be installed in accordance with Polypipe Civils recommendations (refer to Polypipe technical guidance for further information), giving due consideration to the requirements of the organisation who will take ultimate ownership of the installation.
- Site conditions may require specific installation requirements. The installer should verify that the proposed installation method is acceptable, giving due consideration to the requirements of the relevant approving and adopting authorities, before construction activities commence.
- Advice on any system requirements specific to the proposed Ridgstorm XL system should be sought from Polypipe Civils.
- All PE stub connections will require adapters to be supplied by Contractor / Developer.

DRAWING NOTES

- Drawings should not be scaled, refer to figured dimensions only.
- All dimensions in millimetres, unless otherwise stated.
- All dimensions are nominal and may vary within manufacturing or construction tolerances.
- All site temporary and enabling works by others.
- This drawing is intended for guidance only. Confirmation of the information contained within this document should be sought from the consulting engineers before final design or construction activities commence.

REV	AMENDMENT	DATE
E	S60 tank layout revised	25/11/22_LH
D	Levels revised	21/11/22_LH
C	Chamber fabrication details added to page 2	27/10/22_LH
B	S33 outlet changed to 2x PSMFA600, cataphors and flow control added	13/10/22_LH
A	S33 tank outlet changed to 3x PSMFA600	25/07/22_LH