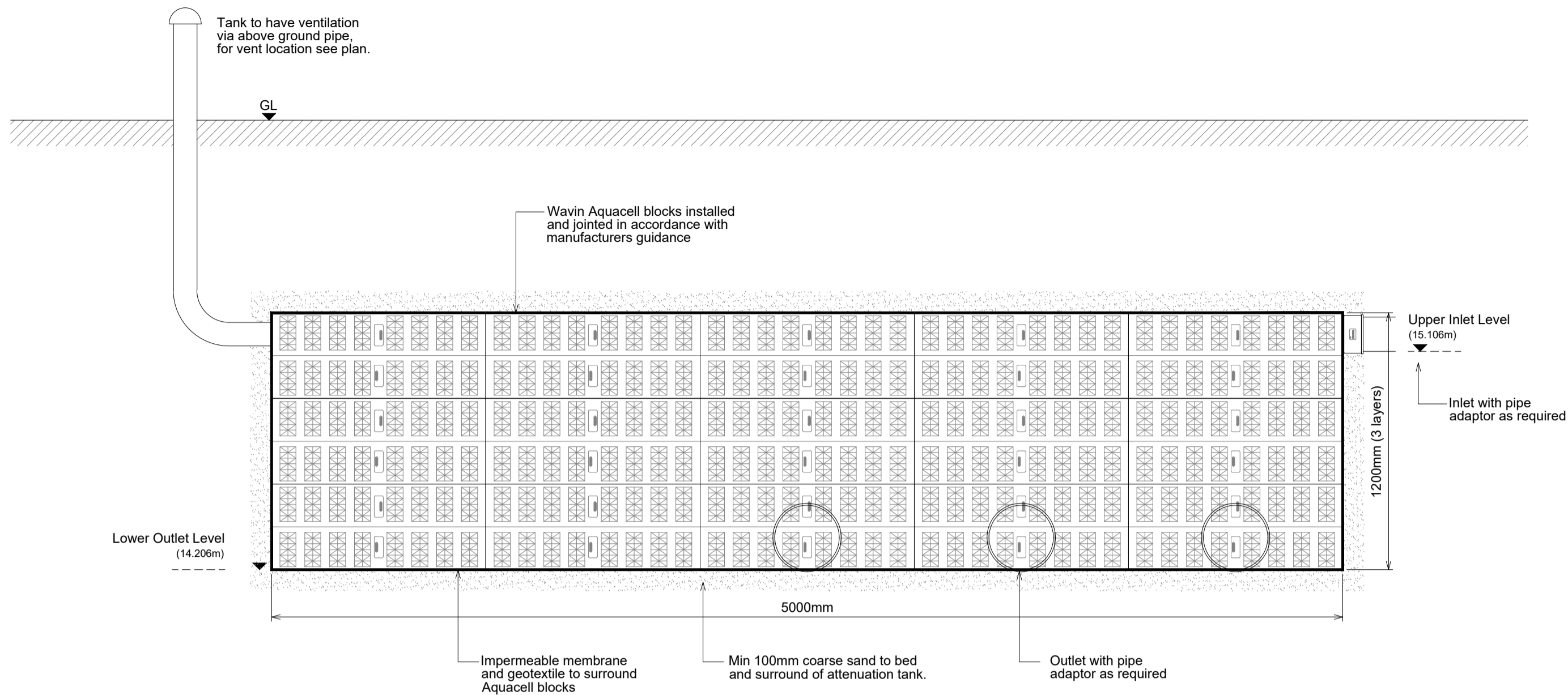


Section Cellular Attenuation Tank (AquaCell)

scale 1:20



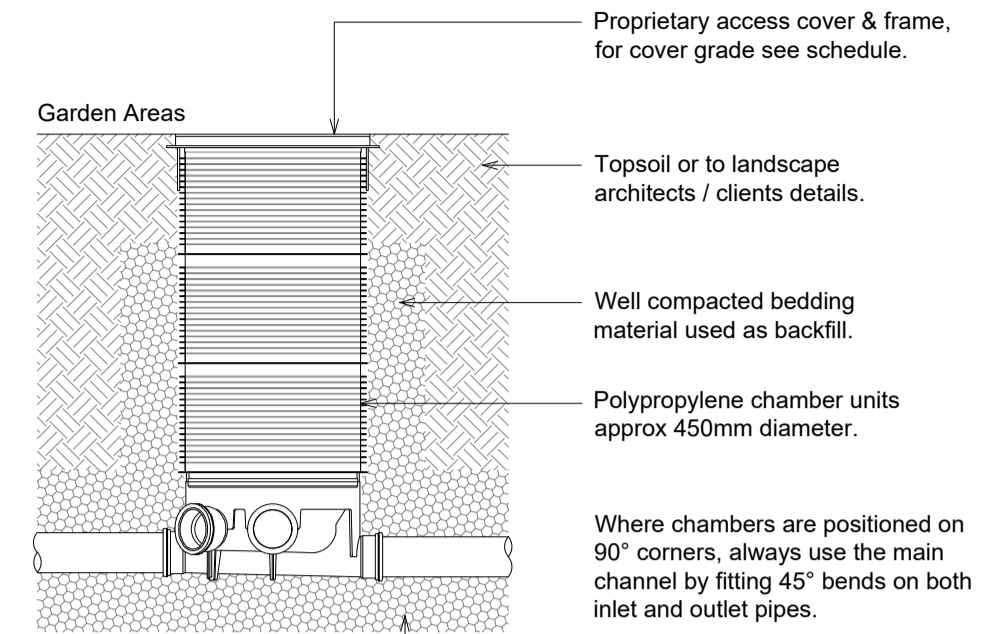
AquaCell Installation Notes: (Contractor to consult manufacturers literature for full details)

- Excavate the trench to the required depth ensuring that the plan area is slightly greater than that of the AquaCell units.
- Lay 100mm bed of coarse sand, level and compact.
- Lay the geotextile over the base and up the sides of the trench.
- Lay the impermeable membrane on top of the geotextile over the base and up the sides of the trench.
- Lay the AquaCell units parallel with each other. In multiple layer applications, wherever possible, continuous vertical joints should be avoided. AquaCell units can be laid in a 'brick bonded' formation (i.e. to overlap the joints below). For single layer applications use AquaCell Clips and for multi layers use AquaCell Clips and AquaCell Shear Connectors (vertical rods).
- Wrap the impermeable membrane around the AquaCell structure and seal in accordance with the manufacturers recommendations.
- If side connections into the AquaCell units are required, (other than the preformed socket), use the appropriate Flange Adaptor. Fix the flange adaptor to the unit using self-tapping screws. Drill a hole through the Flange Adaptor and connect the pipework.
- In order to prevent silt from entering the tank, clogging the inlet pipework and reducing the tank capacity, it is recommended that a silt trap / catchpit is installed upstream of the tank inlet.
- Wrap and overlap the geotextile to cover the entire AquaCell structure protecting the impermeable membrane.
- Lay 100mm of coarse sand between the trench walls and the AquaCell structure and compact being careful not to damage the blocks or either of the membranes.
- Lay 100mm bed of coarse sand over the geotextile and compact.
- Backfill tank with suitable clean material, free of organic matter and debris.

Polypropylene Inspection Chamber (PPIC)

Use on private drainage works only

scale 1:20



NOTE: Maximum diameter of main channel 150/160mm

Maximum pipe diameter of inlets 100/110mm

Unused inlets are to be sealed and made watertight.

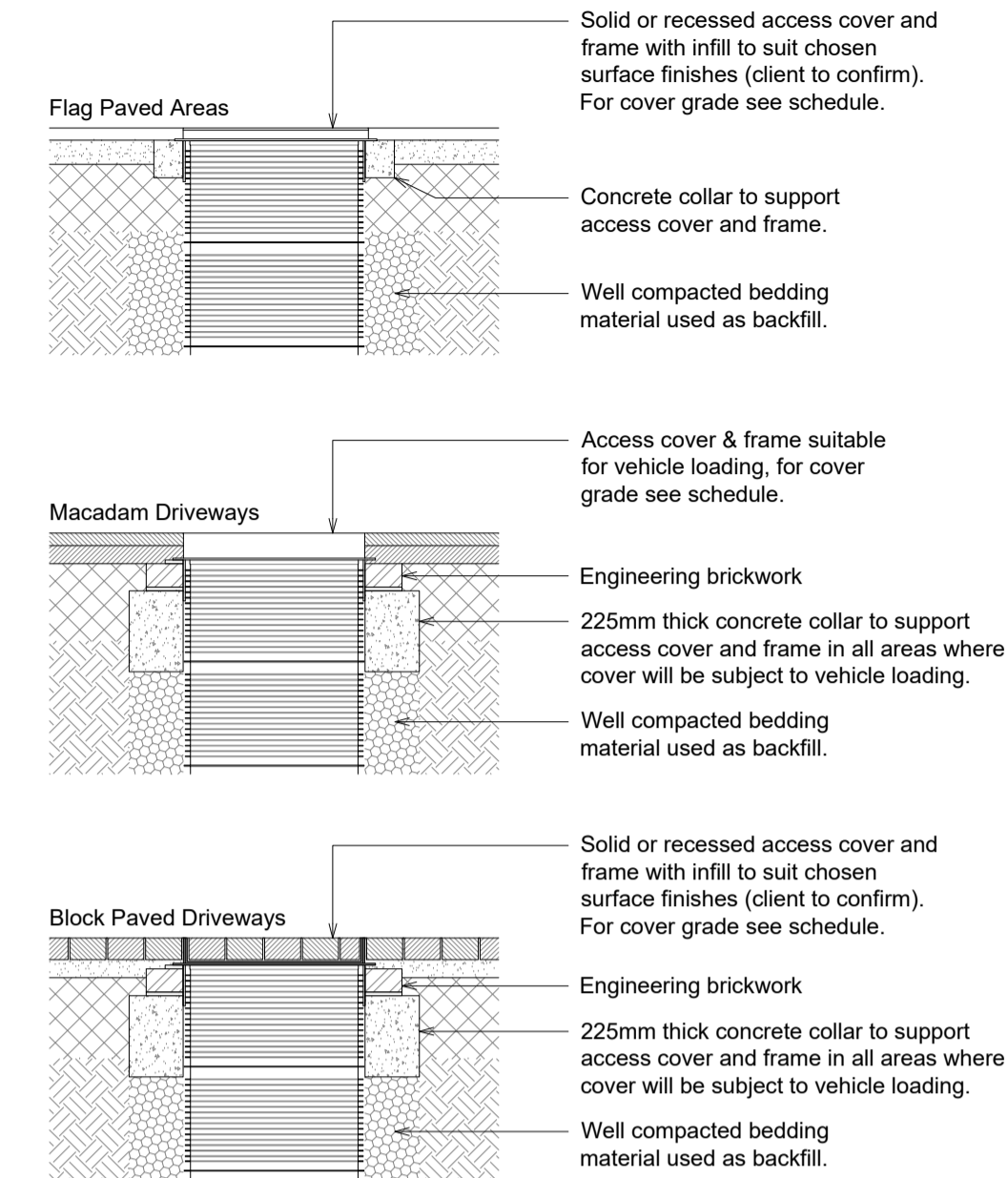
Backfill to be well compacted around shaft of chamber.

No incoming branch is to be less than 90° from the outgoing direction of flow, all pipes entering the bottom of the manhole are to have level soffits.

Alternate Access Cover Details (PPIC)

Use on private drainage works only

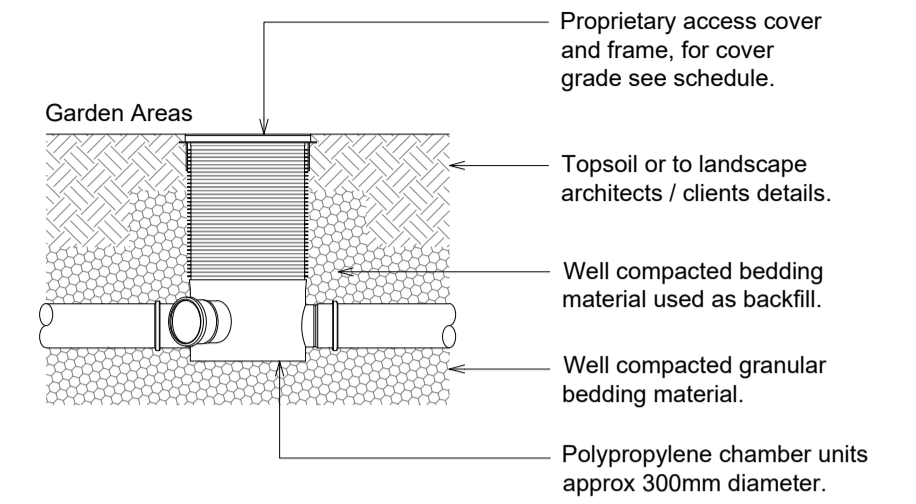
scale 1:20



Shallow Inspection Chamber (SIC)

Use on private drainage works only

scale 1:20



NOTE: Where chambers are positioned on 90° corners, always use the main channel by fitting 45° bends on both inlet and outlet pipes.

Maximum diameter of main channel 150/160mm

Maximum pipe diameter of inlets 100/110mm

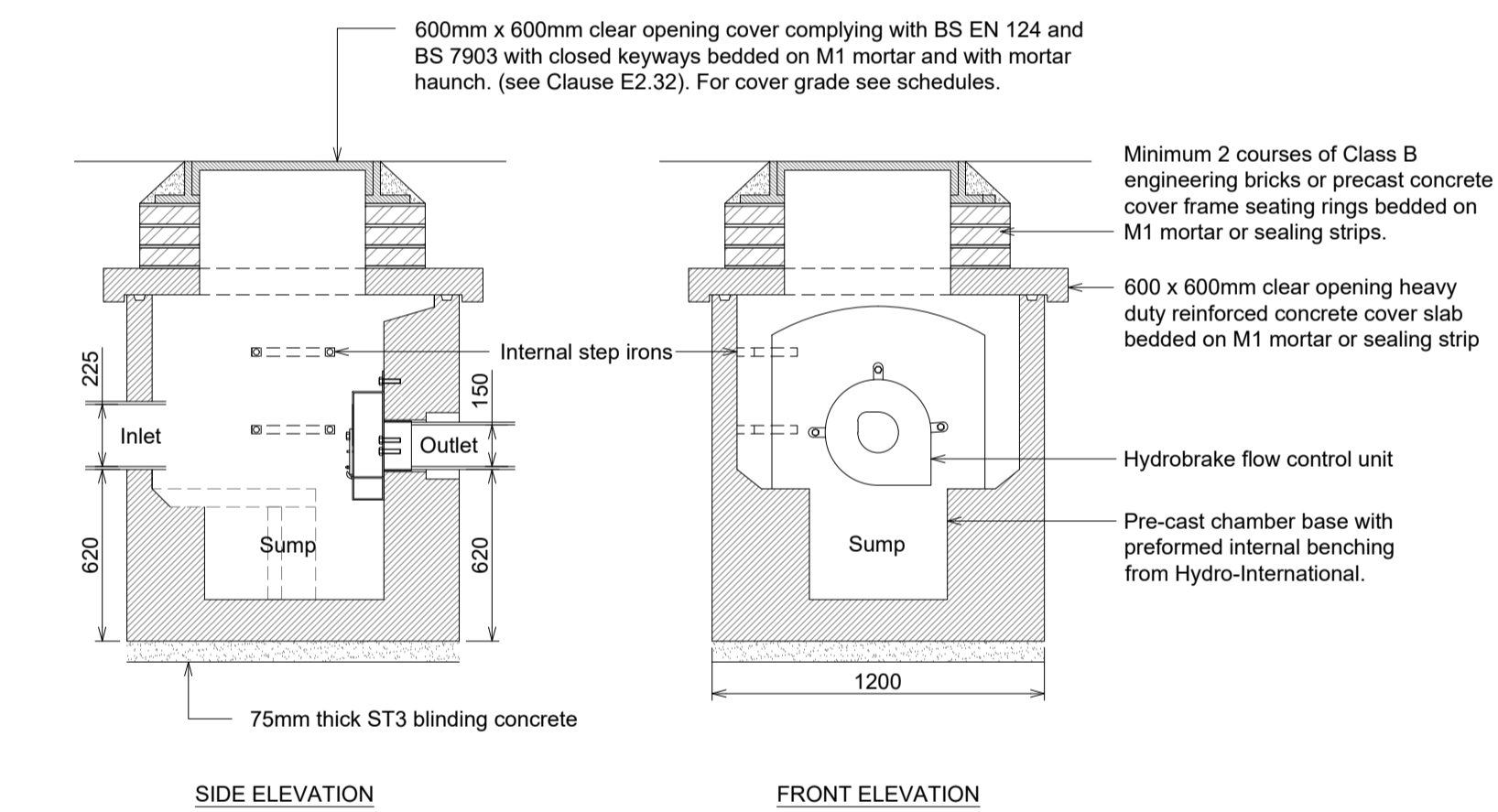
Unused inlets are to be sealed and made watertight.

Backfill to be well compacted around shaft of chamber.

No incoming branch is to be less than 90° from the outgoing direction of flow.

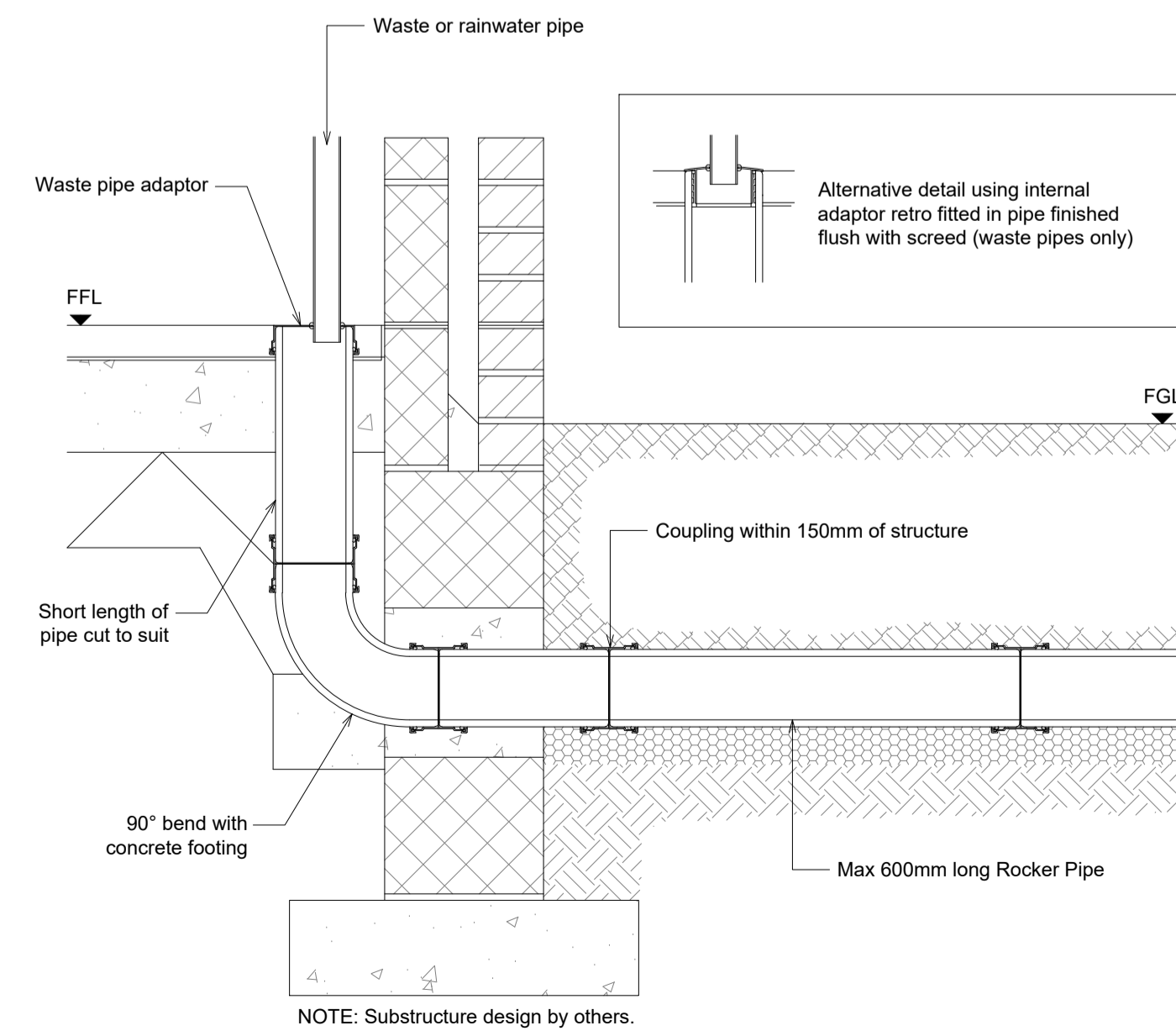
Hydrobrake Flow Control Chamber Detail (Manufactured)

scale 1:25



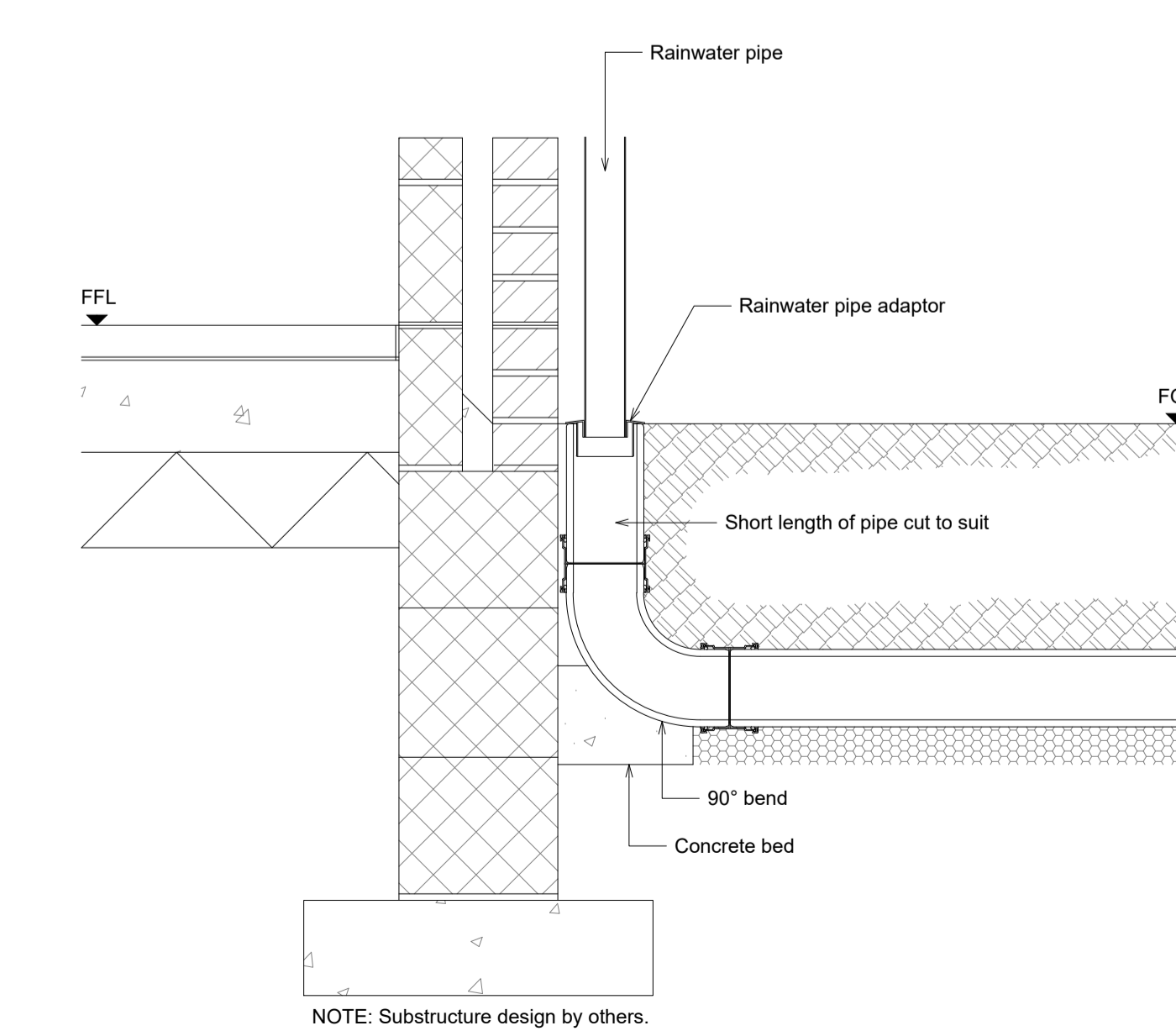
Typical Internal Waste Pipe Connection Detail

scale 1:10



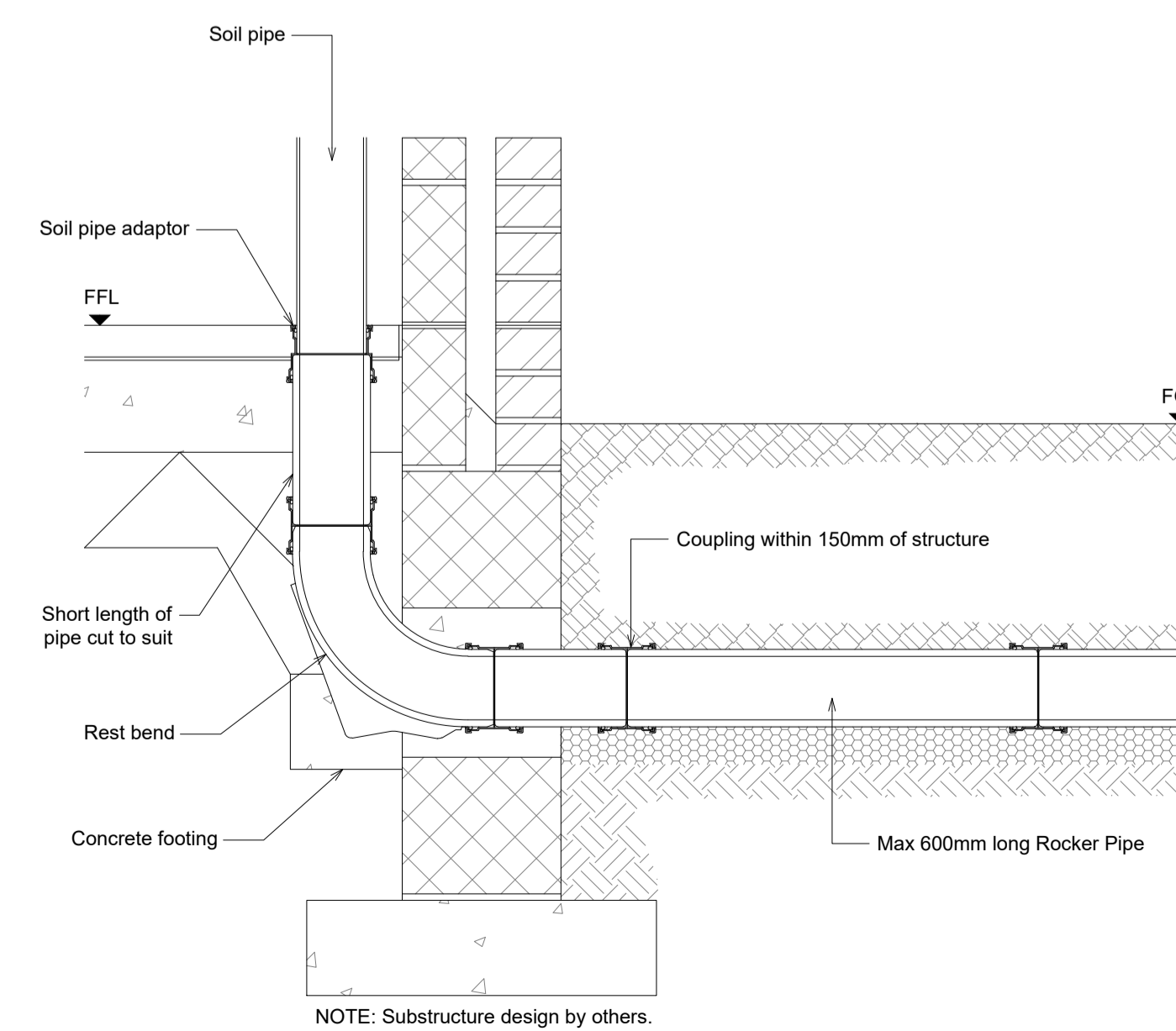
Typical External Rainwater Pipe Connection Detail

scale 1:10



Typical Soil Vent Pipe / Stub Stack Connection Detail

scale 1:10



DRAINAGE NOTES

- The location of any existing drains and sewers are to be accurately located and reported prior to any work commencing on site.
- All materials, workmanship and construction to be in accordance with the requirements of 'Sewers for Adoption - 7th Edition' and published addendum and corrigendum.
- Channel drains shown are only to collect surface water run-off from hard paved areas and door thresholds and are not intended to collect groundwater or run-off from gardens and landscaped areas.
- All abandoned pipework to be completely removed or grout filled unless stated otherwise.

NOTES

- The Contractor should check all dimensions on site.
- It is the Contractors responsibility to ensure compliance with building regulations and current codes of practice.
- Drawings cannot take into account any drains or underground works not locatable by visual survey of the site.
- Commencement of any building works prior to full building regulation approval is entirely at the clients risk.

Rev	Description	Date
A	First issue to client	25/10/2023
PROJECT: Proposed residential development at St Peters Presbytery, 117 Canterbury Road, Westgate-On-Sea, Kent CT8 8NW		
CLIENT: AGI Architecture		
DRAWING: Proposed Drainage Details Sheet 2	SCALE: As Noted	DATE: 25/10/2023
STATUS: PRELIMINARY	PROJECT: T-2023-081-04	SIZE: A1



Suite 2, The Powder House, Merceries Road, White Cliffs Business Park, Whitfield, Dover, Kent, CT16 2HQ. Tel: 01304 820777

Copyright and other intellectual property rights in this document and all related documents, drawings, etc., including calculations, is invested in Tridax Ltd and cannot be used or reproduced for any other purpose than that for which they were created without the express permission in writing by Tridax Ltd. In first instance ring 01304 820777.