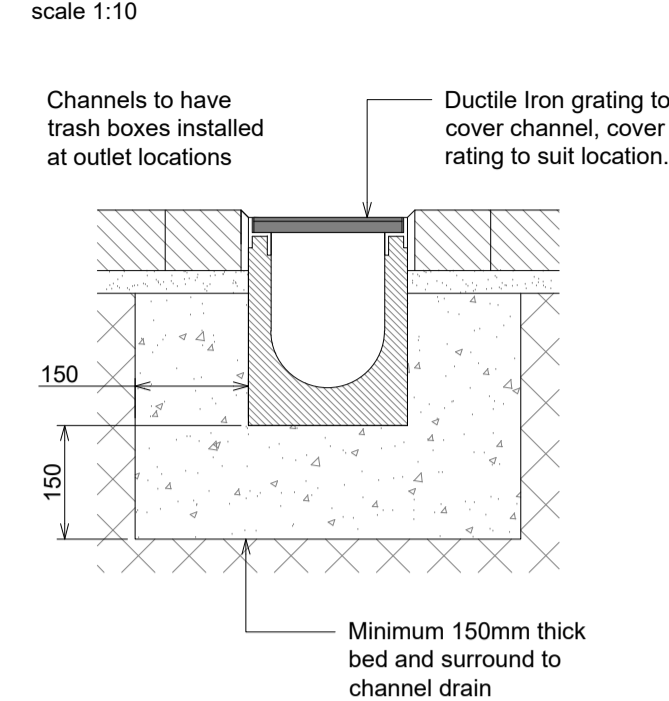


FOUL WATER PIPE SCHEDULE						
Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in ?)	Bedding	Remarks
PNF1.0	5.5	100	UPVC	40	Class S	-
PNF1.1	7.9	100	UPVC	40	Class S	-
PNF1.2	6.7	100	VC	5	Class S	Backdrop Connection

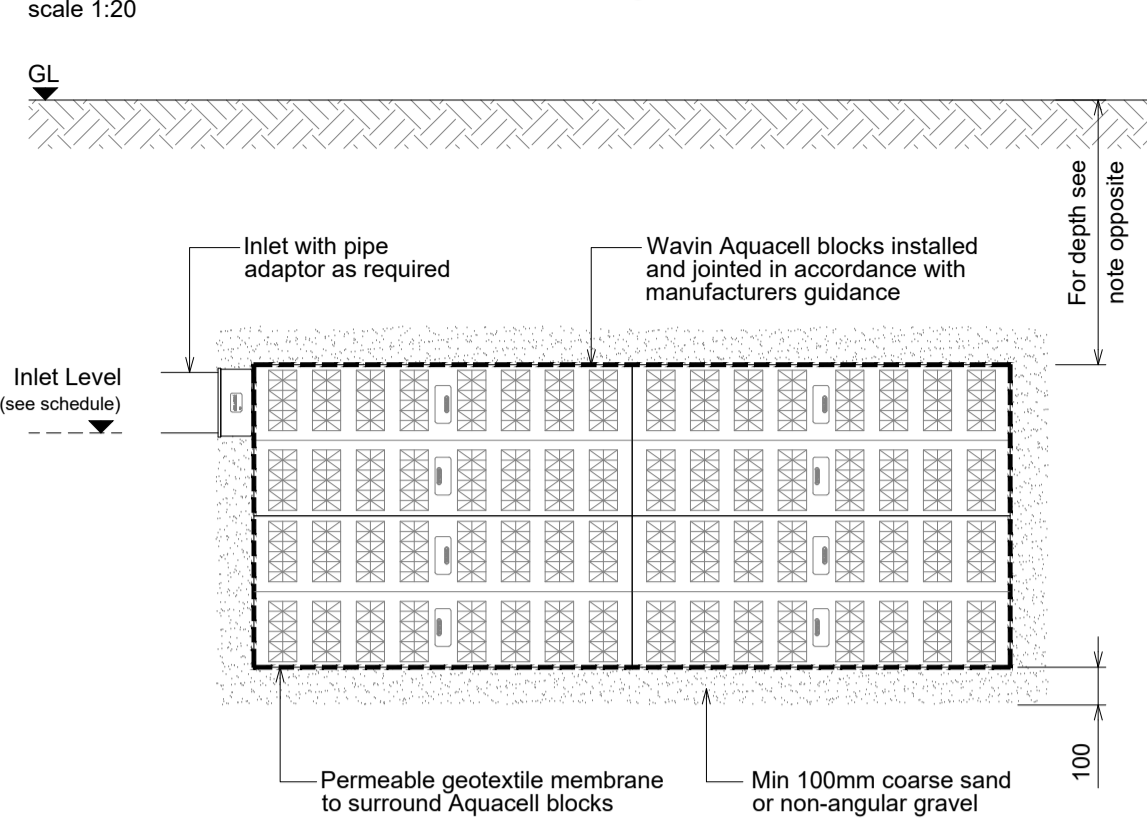
SURFACE WATER PIPE SCHEDULE						
Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in ?)	Bedding	Remarks
PNS1.0	2.9	100	UPVC	60	Class S	-
PNS1.1	3.7	100	UPVC	60	Class S	-
PNS2.0	2.9	100	UPVC	60	Class S	-
PNS2.1	38	100	UPVC	60	Class S	-

SURFACE WATER SOAKAWAY SCHEDULE - CELLULAR BLOCKS						
Soakaway Ref.	Cover / Ground Level (m)	Inlet Level(s) (m)	Base Level(s) (m)	Depth(s) (m)	Remarks	
SA1	10.050	8.290	7.190 TBC	2.860 TBC	Soakaway constructed using Wavin Aquacell blocks or similar approved product (Individual block dimensions: L=1.0m x W=0.5m x D=0.4m) Soakaway Structure Dimensions Length = 3.0m (6 Blocks) Width = 2.0m (2 Blocks) Depth = 1.2m (3 Layers of Blocks) Inlet to be located at high level into soakaway structure	
SA2	10.000	8.289	7.189 TBC	2.811 TBC	Soakaway constructed using Wavin Aquacell blocks or similar approved product (Individual block dimensions: L=1.0m x W=0.5m x D=0.4m) Soakaway Structure Dimensions Length = 3.0m (6 Blocks) Width = 2.0m (2 Blocks) Depth = 1.2m (3 Layers of Blocks) Inlet to be located at high level into soakaway structure	

Channel Drain Detail



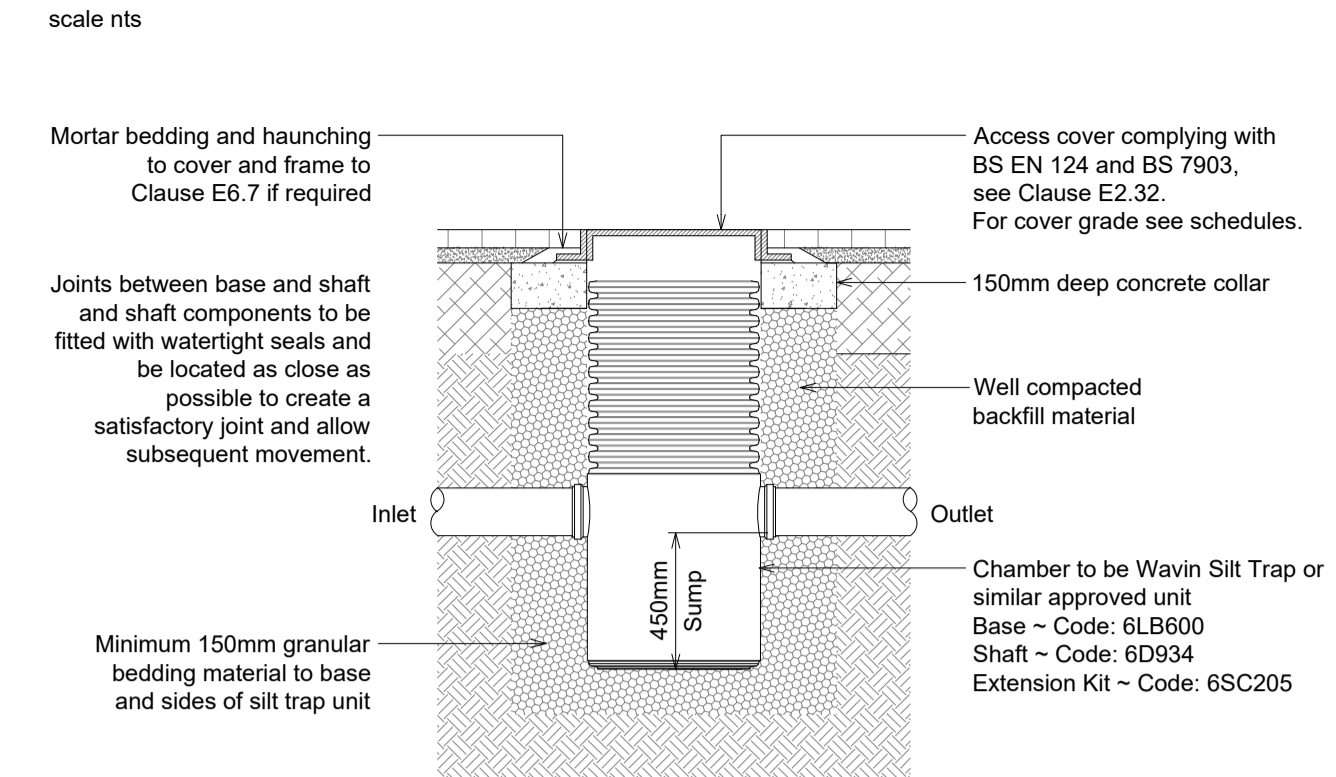
Section - Cellular Soakaway (Aquacell)



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

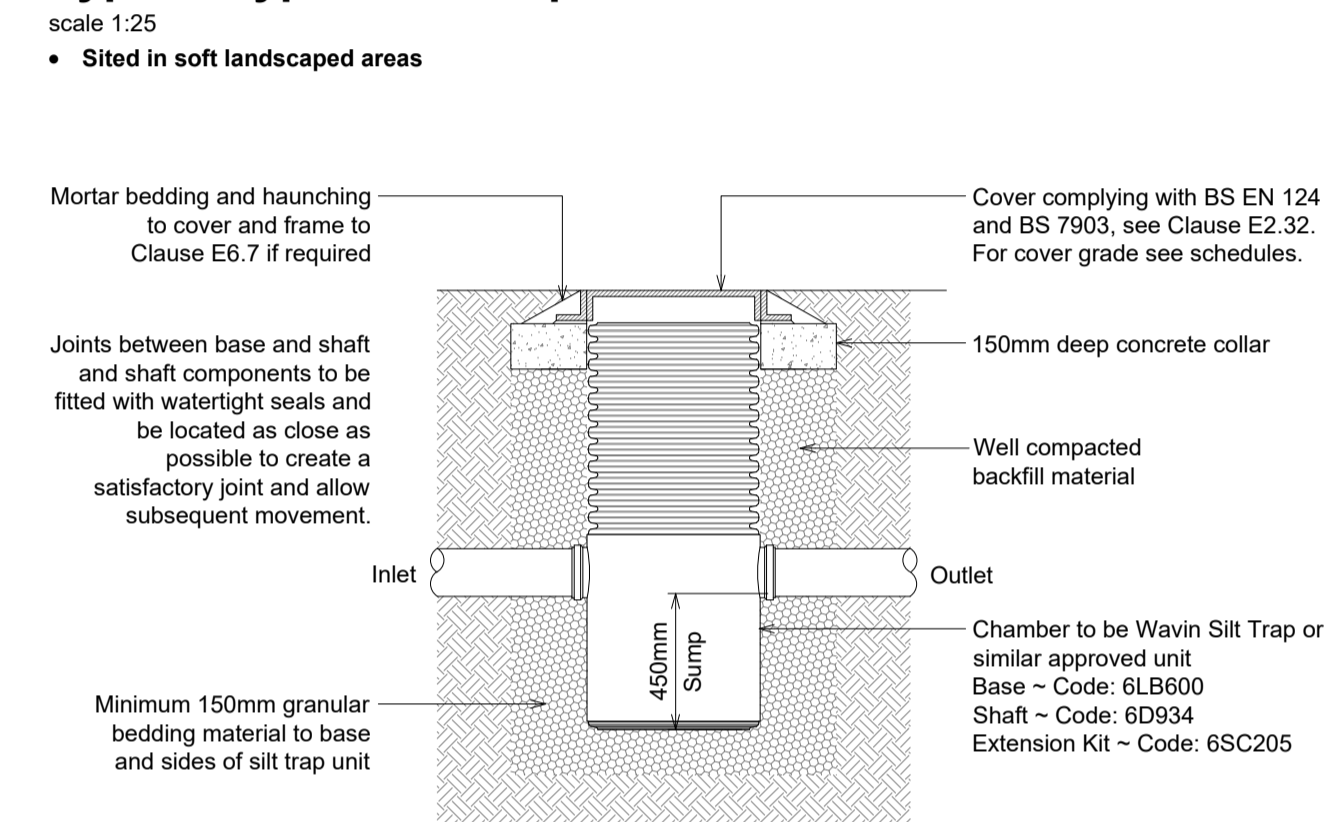
- Excavate the trench to the required depth ensuring that the plan area is slightly greater than that of the AquaCell units.
- Lay 100mm bed of coarse sand or non angular granular material, level and compact.
- Lay the geotextile membrane over the base and up the sides of the trench.
- Lay the AquaCell 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).
- Fix the pipe adaptors to the AquaCell units as required to suit the incoming pipework.
- In order to prevent silt from entering the tank, clogging the inlet pipework and reducing the storage capacity, it is recommended that a silt trap / catchpit is installed upstream of the tank inlet.
- Wrap and overlap the geotextile covering the entire AquaCell structure, minimum lap to be in the order of 300mm.
- Lay 100mm of coarse sand or non angular granular material between the trench walls and the AquaCell structure and compact being careful not to damage either the blocks or the geotextile membrane.
- Lay 100mm of coarse sand or non angular granular material over the geotextile and compact.
- Backfill tank with suitable clean material, free of organic matter and debris.

Typical Type 3 Silt Trap Detail



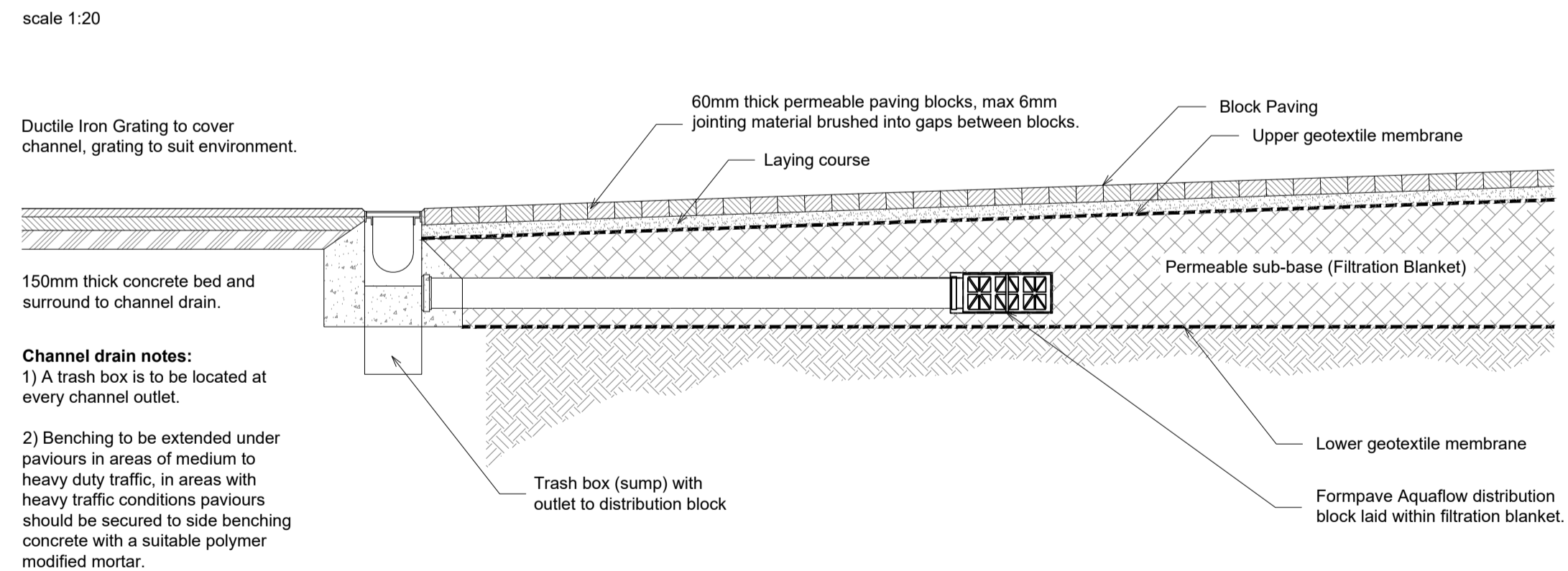
- NOTES:
- Plastic chambers and rings shall comply with BS EN 13598-1 or BS EN 13598-2 or have equivalent independent approval.
 - Backfill to be well compacted around shaft of chamber.

Typical Type 3 Silt Trap Detail



- NOTES:
- Plastic chambers and rings shall comply with BS EN 13598-1 or BS EN 13598-2 or have equivalent independent approval.
 - Backfill to be well compacted around shaft of chamber.

Permeable Paved Areas & Filtration Blanket Detail



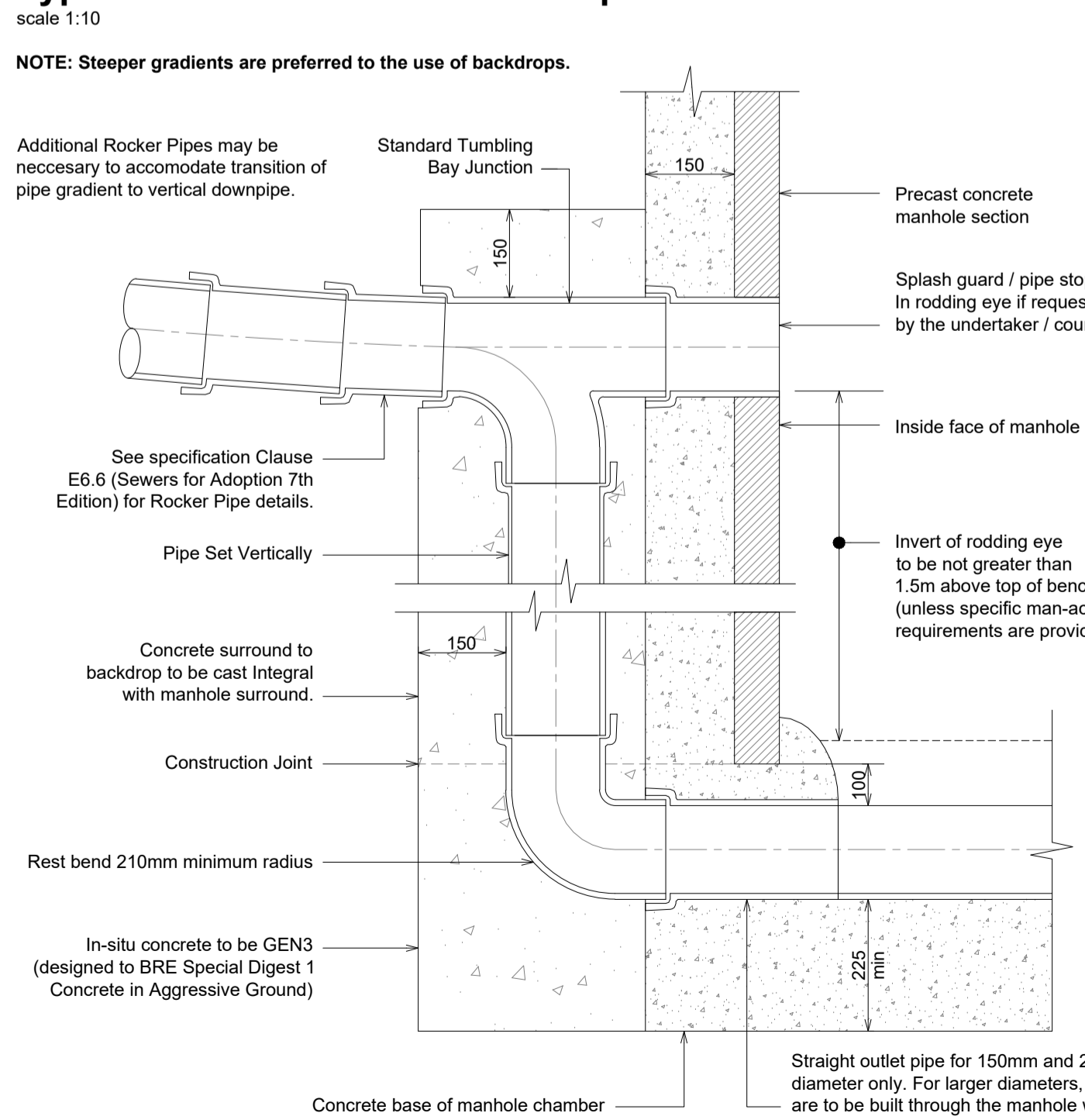
- Channel drain notes:
- A trash box is to be located at every channel outlet.
 - Benching to be extended under pavours in areas of medium to heavy duty traffic, in areas with heavy traffic conditions pavours should be secured to side benching concrete with a suitable polymer modified mortar.

- Permeable Paved Highway Construction Specification
- 60mm Concrete Blocks specifically designed for permeable usage. Blocks to have max 6mm aggregate jointing material brushed into gaps between blocks. (architect to confirm block type and colour).
 - 50mm Laying course comprising clean graded aggregate with particles within the range 3mm to 6mm.
 - Upper geotextile membrane such as Terram 1000 or similar approved product.
 - Filtration Blanket:** Minimum 300mm permeable sub-base material comprising clean graded aggregate with particles within the range 5mm to 20mm.
 - Lower geotextile membrane such as Terram 1000 or similar approved product.

- Permeable Paving Drive & Paths Maintenance Statement
- The System relies upon the permeability of the finished surface to allow for surface water to percolate through the open joints of the blocks and through the 'no-fines' bedding layer and sub-base to the sub-soil below. The open graded sub-base also allows for the storage of extreme storm events that has been designed to cater for a 1in100 year return period with a 30% allowance for climate change.
- The most common form of failure of permeable paving systems is the 'clogging' of the joints and accumulation of silt within the sub-grade. A regular planned inspection and maintenance regime is essential to ensure the effectiveness of the system.
- It is recommended that a regular visual inspection of the paving is carried out, but certainly at no greater intervals than once a year. Observe the performance of the paving during heavy periods of rain to ensure no ponding or standing water.

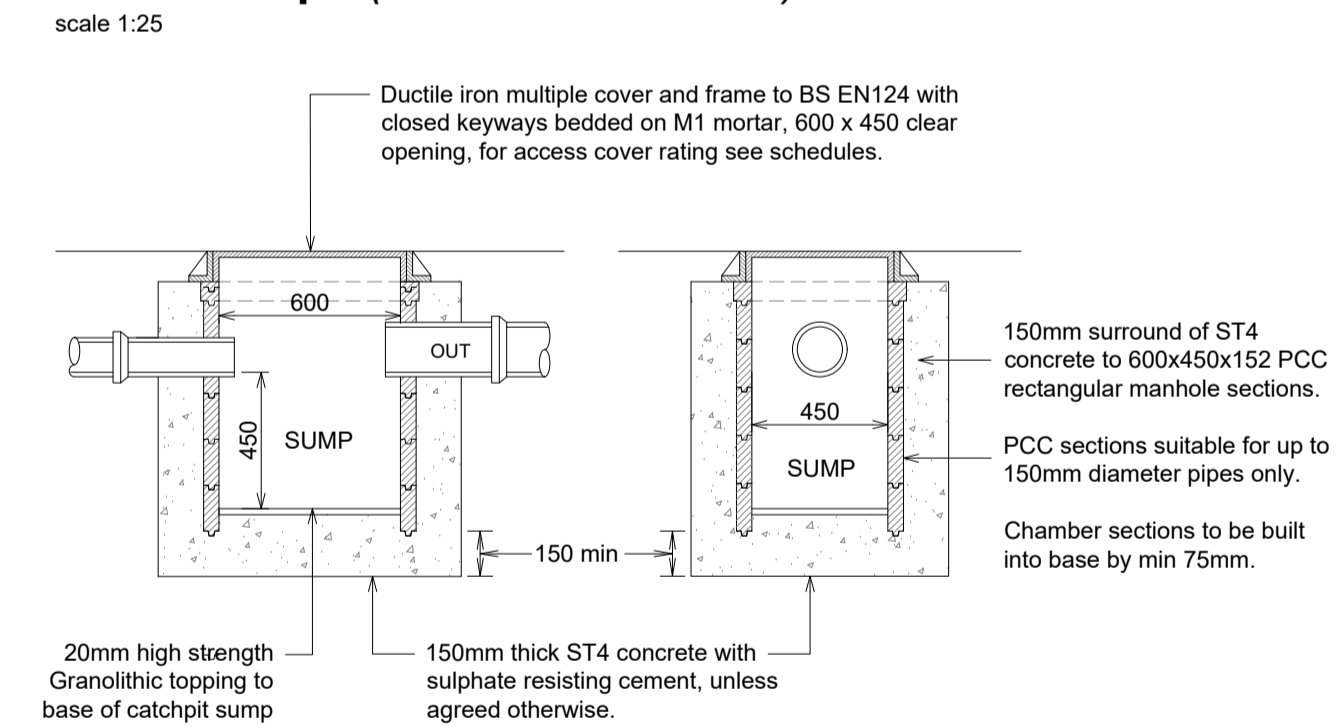
- Annual Inspection to include:
- Vacuum sweep or pressure-wash the surface of the paving to remove debris from the open-joints and remove any weed growth.
 - Apply a suitable weed-killer if required.
- 25-30 Year Anniversary:
Lift and set-a-side the block paving and replace the sub base as per the construction detail shown on the drawing.
- Maintenance Records:
Record the date of each inspection along with a brief description of any works carried out.

Typical External Vertical Backdrop Detail



NOTE: Steeper gradients are preferred to the use of backdrops.

PCC Catchpit (Alternative to PPIC)



- 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	08/01/2024
PROJECT: Proposed residential development on land between 61 & 77 Station Road, Walmer, Deal, Kent CT14 7RE		
CLIENT: ATS Homes		
DRAWING: Proposed Drainage Details Sheet 2	SCALE: As Noted	DATE: 05/01/2024
STATUS: PRELIMINARY	PROJECT: T-2023-146-06	REV: A
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