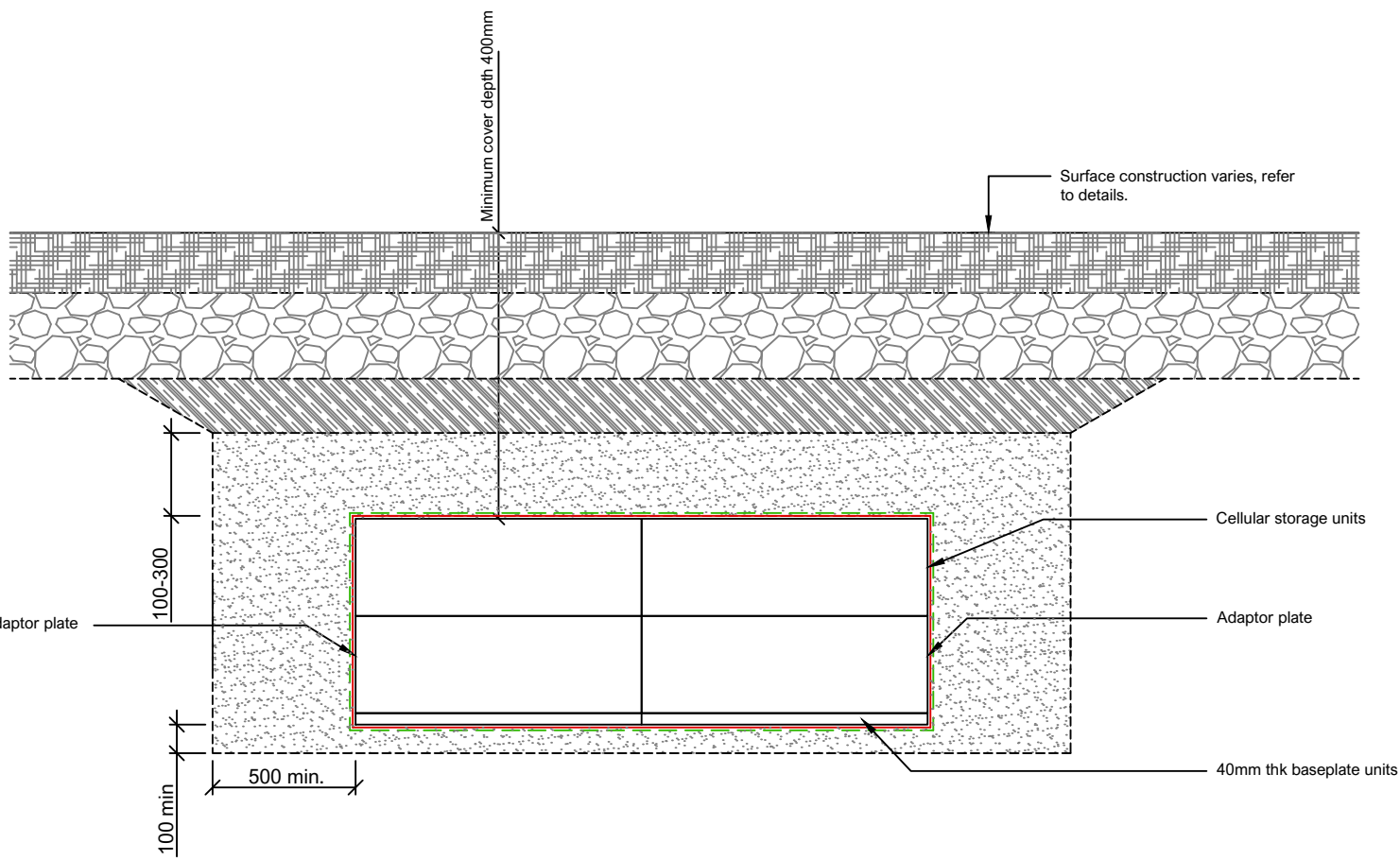




Typical Attenuation Tank Details (nts)

Underground Attenuation

Provide Graf cellular storage units, 0.8x0.8x0.35m deep to the levels and extents as shown on the plans, with:-

- 2x inspection shafts for inspection and maintenance.
- Ventilation, specialist manufacturer to confirm requirements.
- Inspection channel, for inspection, cleaning and maintenance.
- Sump filter chambers provided upstream of storage units to capture and retain silt, preventing ingress into SuDS.

Units shall be wrapped in:-

- Inner layer to be 1mm thick Excalfiter Edge impermeable membrane. Sheet widths of 5.6m and supplied in lengths to suit installation. All joints to be wedge welded to form a watertight seal.
- Outer layer to be 300gsm² (smw40) non-woven geotextile. Installed with a min. overlap of 300mm

Provide 10 to 16mm single sized non-angular stone immediately around tank to the dimensions shown.

Formation material to base of excavation to be undisturbed and to be smooth, firm and level, free from projections and debris and suitable to carry anticipated loads.

Backfilling layers to be 300mm thk (before any compaction) comprising good quality returned, excavated material where appropriate and available, and/or Type 2 sub-base.

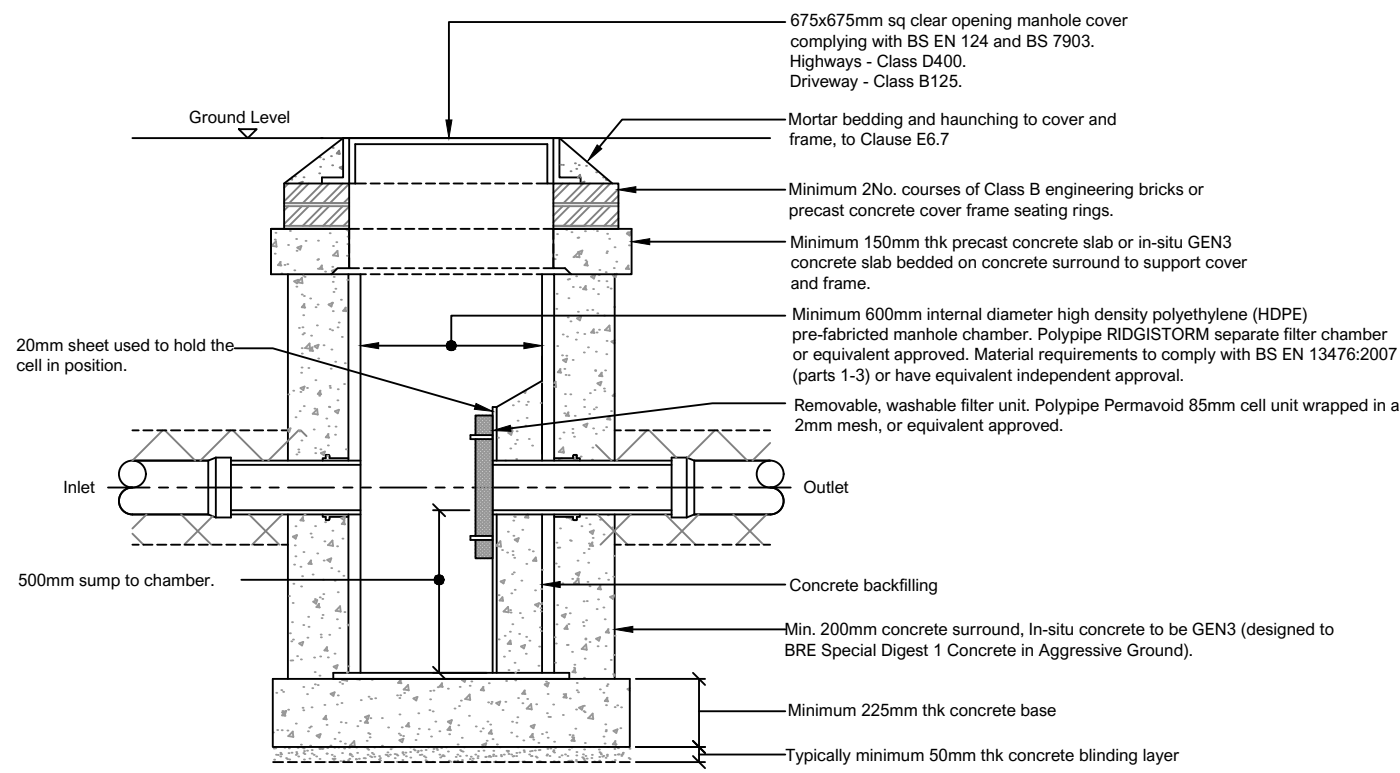
No vibratory mechanism should be used compacting the first layer.

Cellular storage units to be as designed by Graf.

Internal friction angle to be taken as 25 degrees.

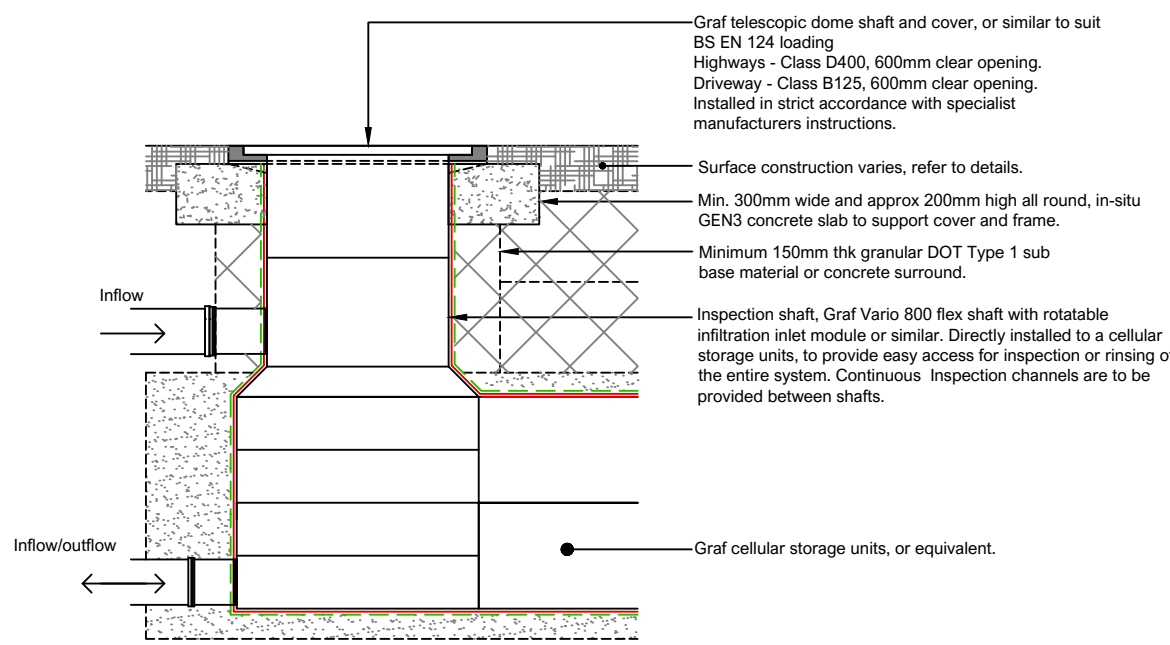
Lorry 30 Loading.

Short-term localised groundwater should be considered at the top of the tank levels.



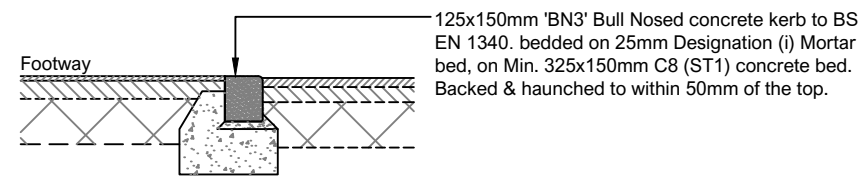
'SFC' Sump Filter Chamber Detail (nts)

Located upstream of attenuation, retention and infiltration systems. Silt Traps isolate silt and other particles, preventing ingress into sustainable drainage systems (SuDS). General arrangement drawing only. Contact Polypipe for site specific fabrication drawings, subject to Structural Engineers approval.

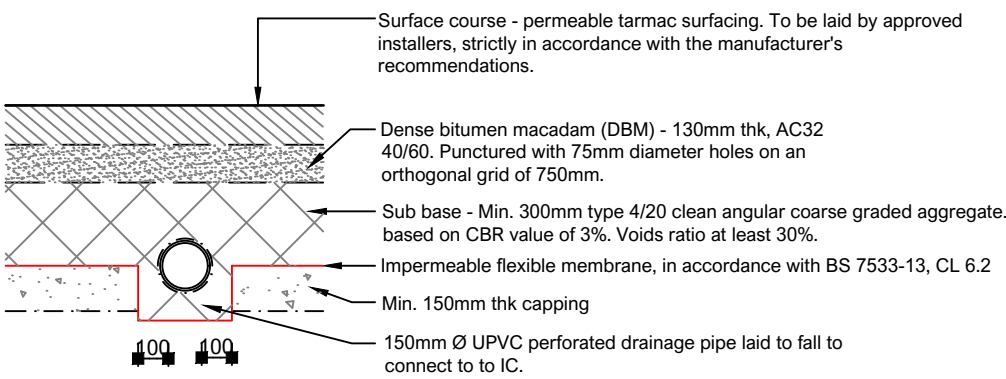


'ISC' Indicative Cellular Inspection Shaft (nts)

All to be installed in strict accordance with specialist manufacturers instructions.



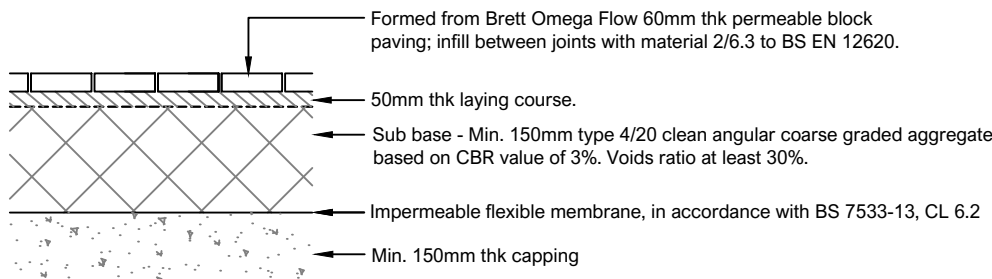
Typical Footway Drop Kerb Detail (1:25)



Typical Permeable Tarmac Construction (1:25)

System 'C' No Infiltration / Load Category '3'

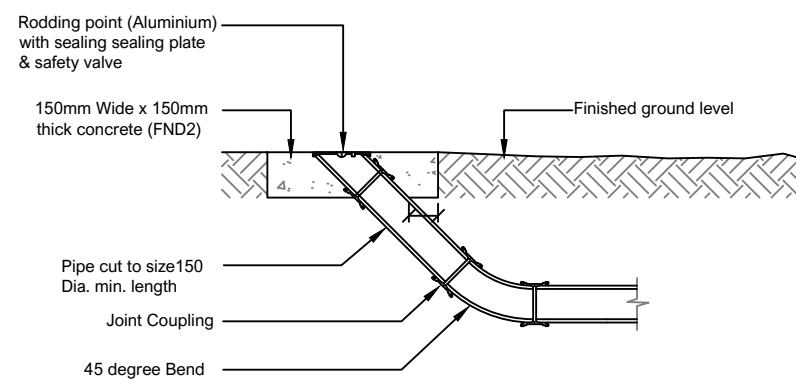
Main components to be in accordance with British 'Permeable Pavement Materials and Construction Specification', BS EN 7533 and all generally in accordance with Interpave Guidance 2010.



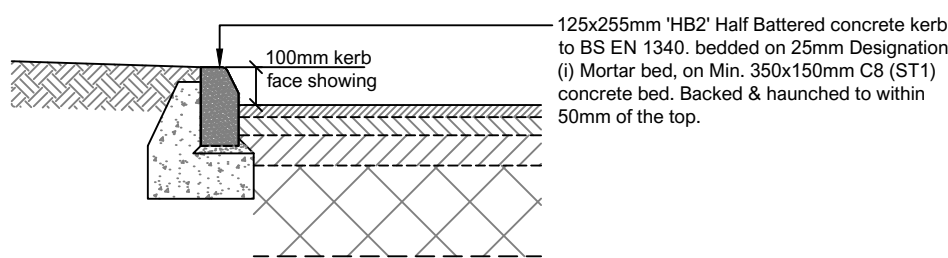
Private Parking Bay Permeable Block Paving Construction (1:25)

System 'C' No Infiltration / Loading Category 'B'

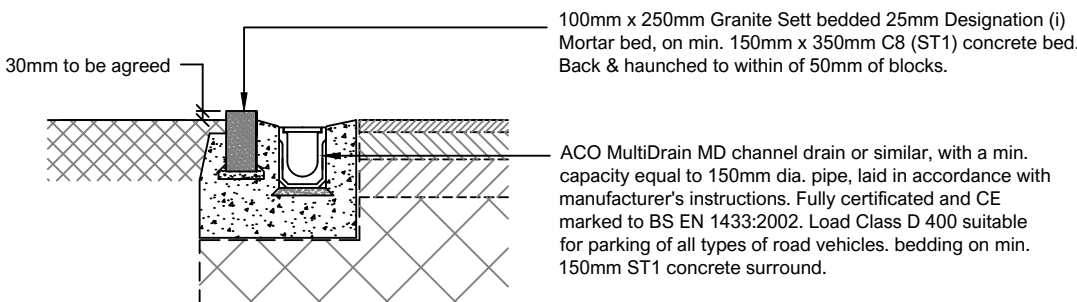
Main components to be in accordance with British 'Permeable Pavement Materials and Construction Specification', BS EN 7533 and all generally in accordance with Interpave Guidance 2010.



Rodding Eye Detail (1:25)



Typical Kerb Detail (1:25)



Channel Drain Demarcation Detail (1:25)
New / Existing access road

Drainage Notes

All dimensions shown are in millimetres unless otherwise stated.

These notes shall be read directly in conjunction with the design team's other relevant drawings, details and specification, together with any subsequent revisions and amendments.

The Contractor shall be responsible for all temporary and permanent support works necessary.

For Approval

P1 25/03/25 Issued for approval.

Rev 002 Approved

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Client
Silver Homes (Cuckfield) Limited

Architect

MJB

Project
Hatchgate Cottage

Hatchgate Lane, Cuckfield

Proposed Development

Drainage & External Works Details 2

Scale
As shown @ A1 Date
march 2025 By
jml

Drawing No.
P21126-HZL- ZZ-DR-D- [2222]

Sheet
S4