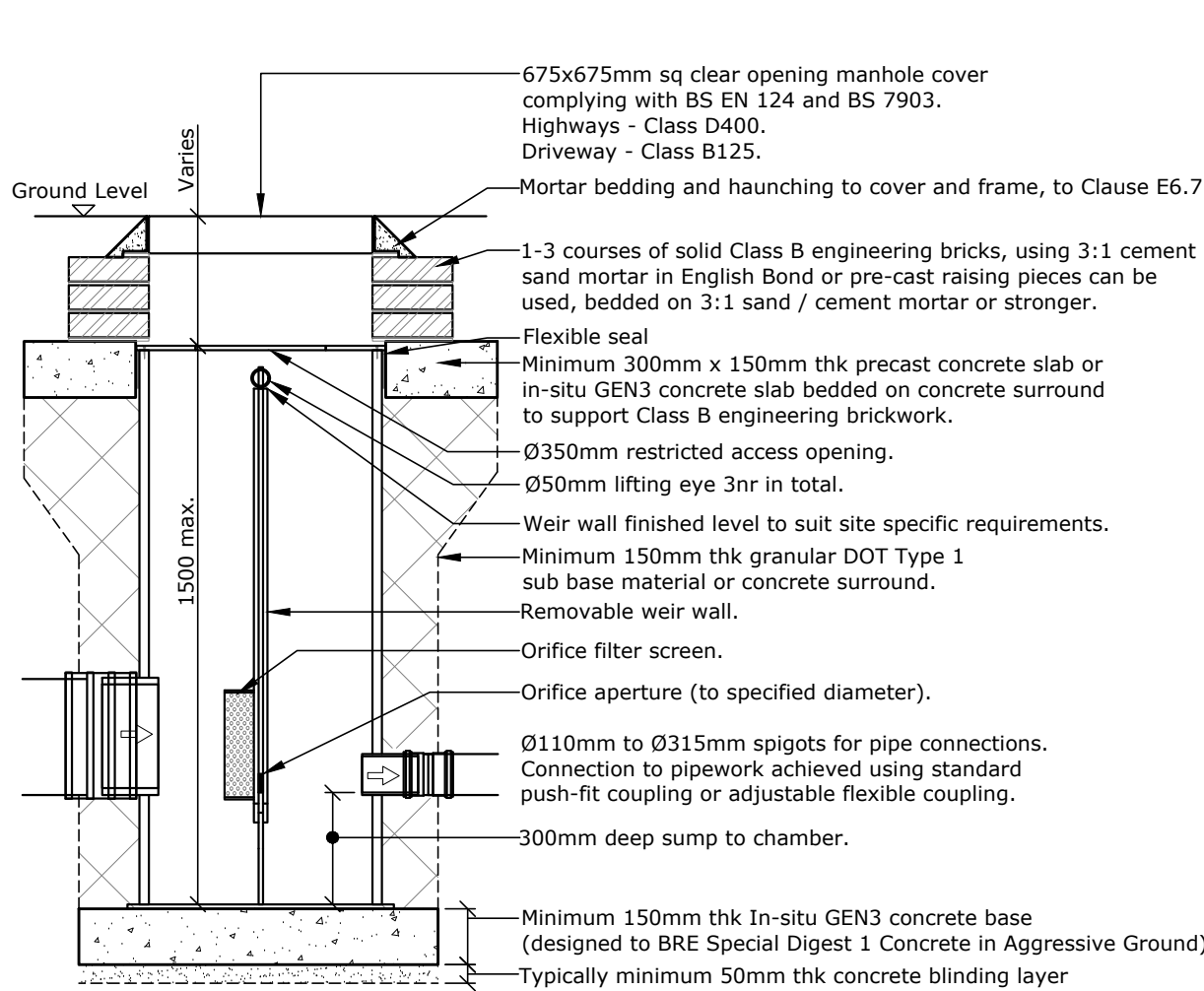




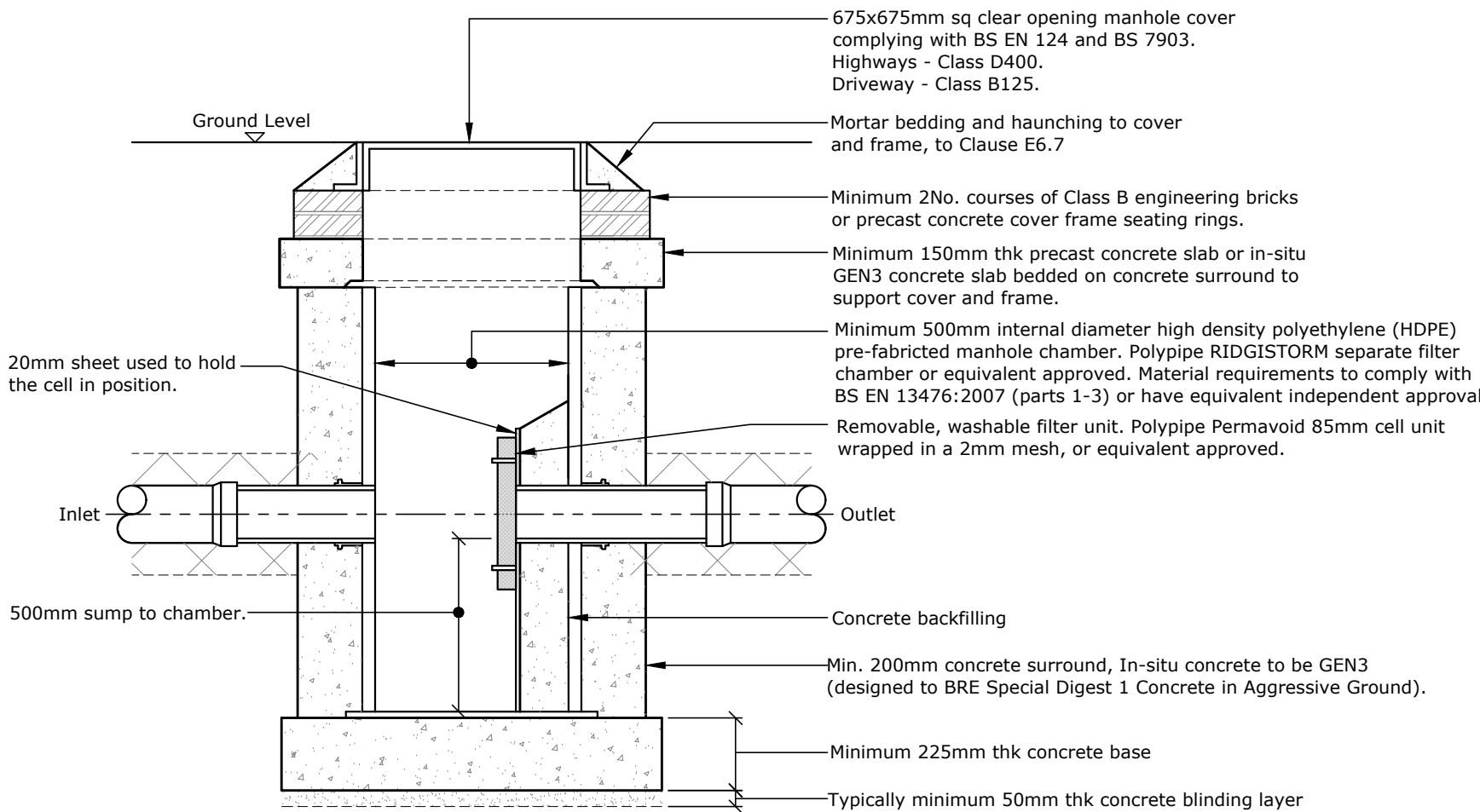
'OF6' Prefabricated Orifice Flow Control Chamber (nts)

Ø600 with internal weir, up to 1.5m deep chamber (including sump)

Source: By SEL Environmental ref WASP06102WW Series Prefabricated Orifice Flow Control or equal approved.

Located where flows within a drainage system are require to be limited or checked (i.e Prior to discharge from site).

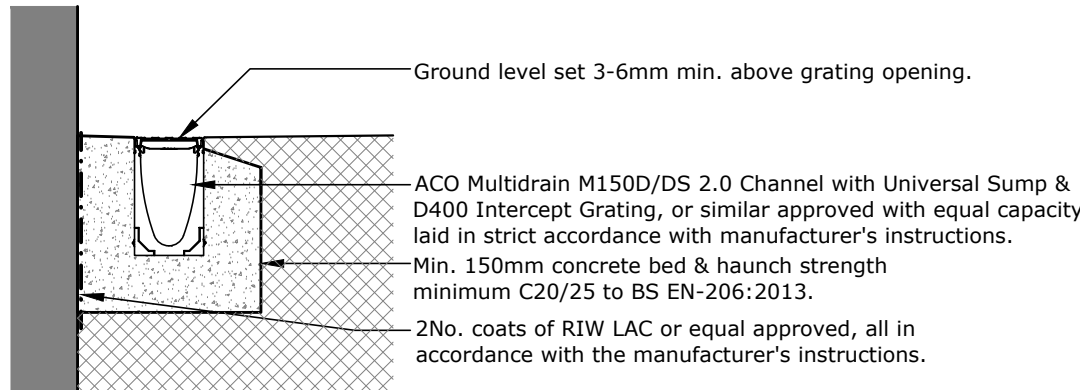
General arrangement drawing only. Contact SEL Environmental for site specific fabrication drawings, subject to Structural Engineers approval.



'SFC' Sump Filter Chamber Detail (nts)

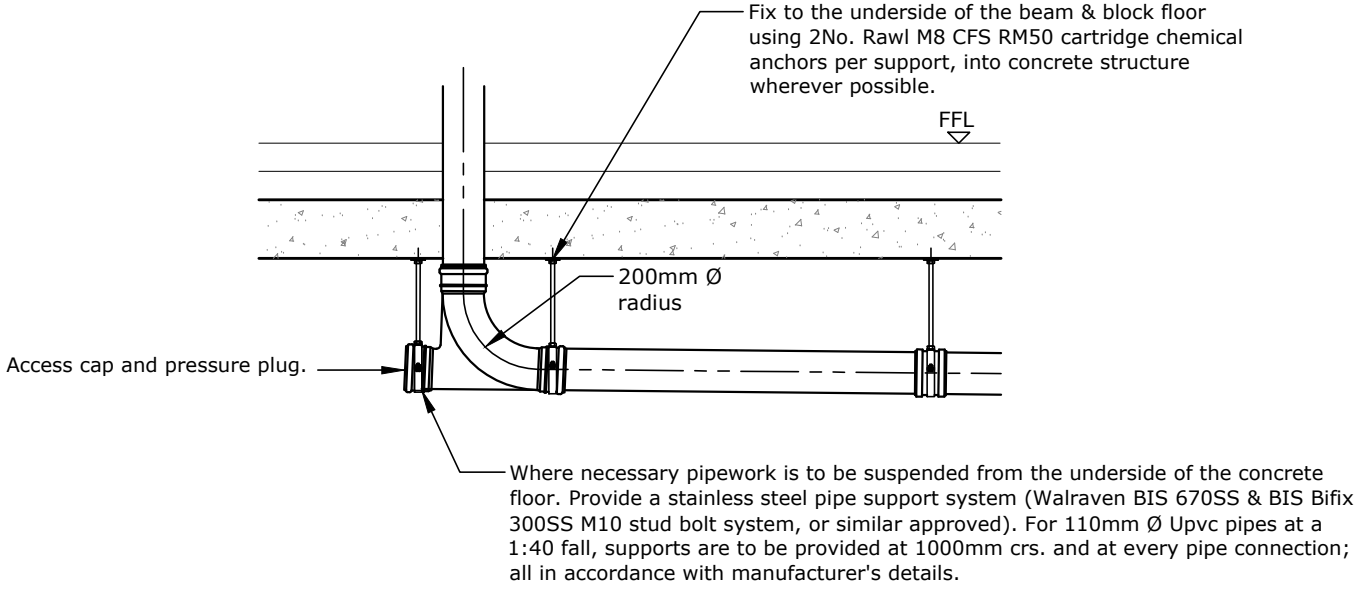
Located upstream of attenuation, retention and infiltration systems, Silt Traps isolate silt and other particles, preventing ingress into sustainable drainage systems (SuDS).

General arrangement drawing only. Contact Polypipe for site specific fabrication drawings, subject to Structural Engineers approval.



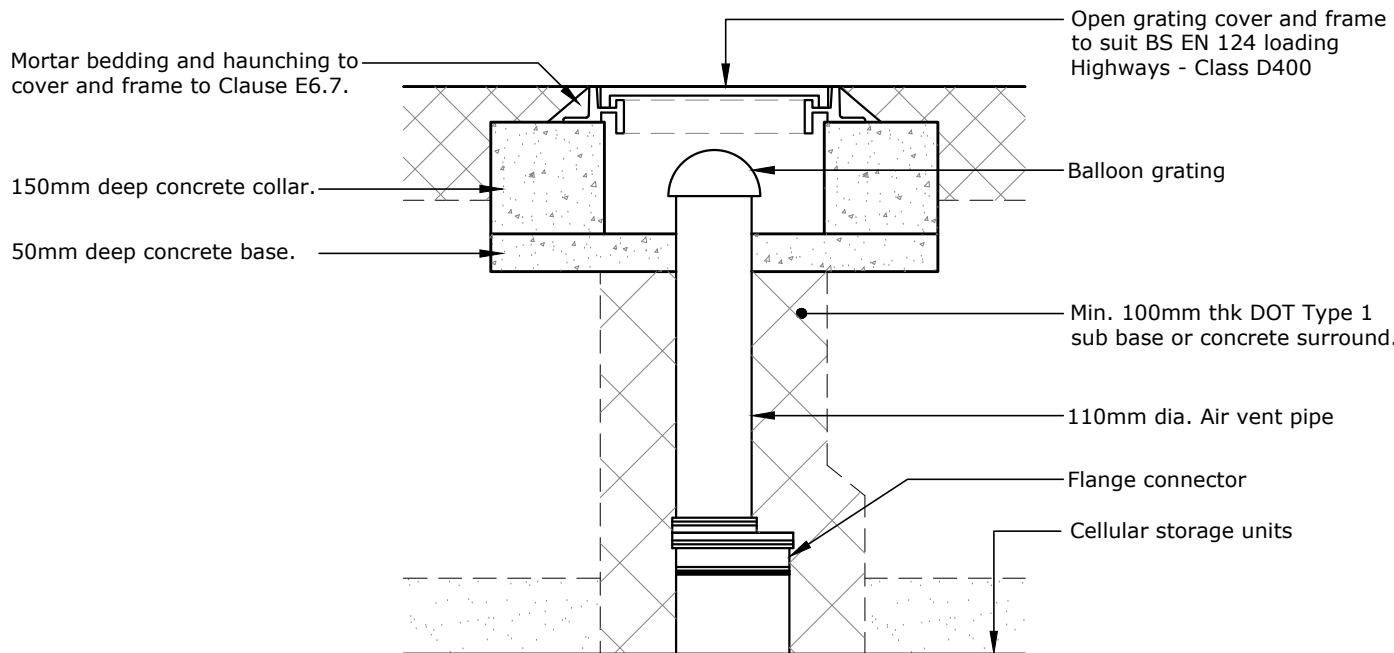
'RC' Indicative Road Channel Drain Detail (1:20)

The surface area covered by one channel should not exceed 200m² area.



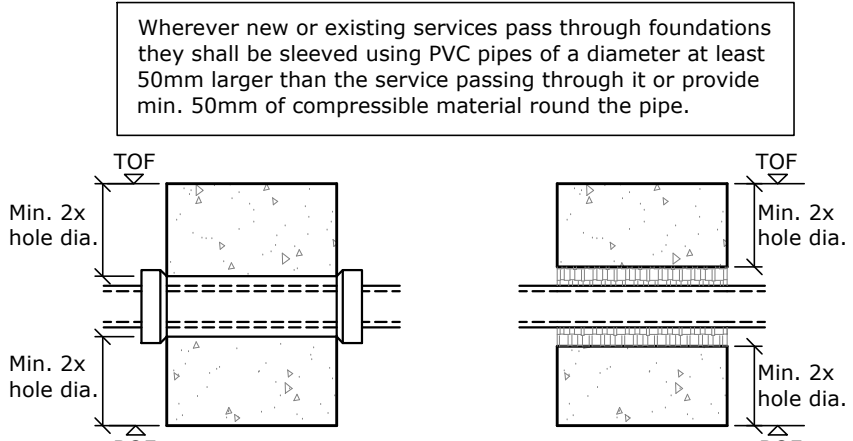
Indicative Suspended Pipework Detail (1:20)

Pipework penetrations in separating walls, compartment walls, and floors are to be provided with the appropriate fire protection and sound insulation in accordance with architects details.

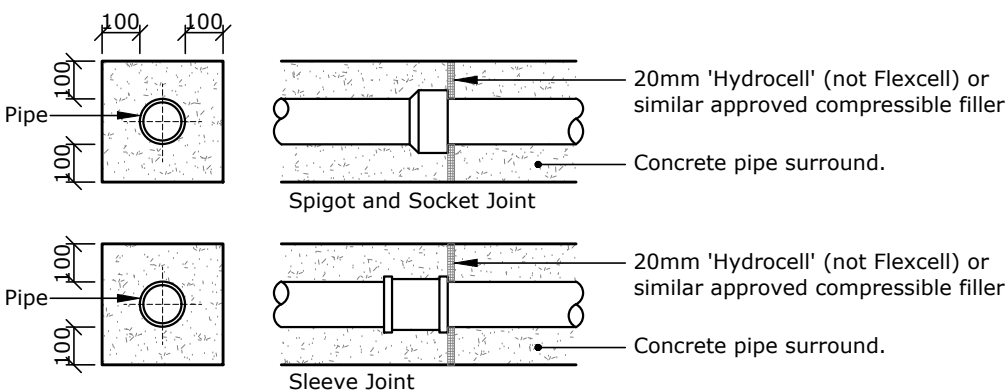


Indicative Cellular Storage Vent Detail (nts)

To be installed in strict accordance with specialist manufacturers instructions.



Typical Foundation Sleeve Details (1:20)



Joints For Concrete Encased Pipes (1:20)

Underground Attenuation Tank (**No Infiltration**)

Provide cellular storage units or equivalent with:-

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

Undisturbed earth base of excavation. excavated area to be smooth, firm and level, free from lumps and debris and suitable to carry anticipated loads.

Units wrapped in:-

- Inner layer to be 1mm thick Permavoid Impermeable Geomembrane or equal approved. Sheet widths supplied in lengths to suit installation. Jointing shall be formed using fusion or extrusion bead welding in accordance with manufacturing recommendations to form a watertight seal. Advice on seam testing procedures as given in CIRIA SP 124:1996.
- Outer layer to be 500g/m² (snw50) A heavy-duty, non-woven, needle punched geotextile, Permavoid Wicking Geotextile or equal approved. Overlaps shall be a minimum of 300mm.

Provide 20/6 clean crushed stone or sand to BS EN13242:2002 surround immediately around tank minimum thickness:-

- 100mm - Base
- 100mm - Sides
- 100mm - Above

Backfilling layers to be 300mm thk (before any compaction) Type 2 sub-base. No vibratory mechanism should be used compacting the first layer.

Cellular storage units design requirements:-

- 30 tonne traffic Loading
- 0.70m Approx minimum cover depth below ground
- 20-25° minimum angle of shearing resistance
- No infiltration, storage only
- Ventilation requirements
- Groundwater is likely to be less than 3.0m below the ground surface. The preliminary design will use a pessimistic groundwater level at the top of the tanks, subject to geotechnical Engineers' recommendations. Groundwater monitoring is recommended.

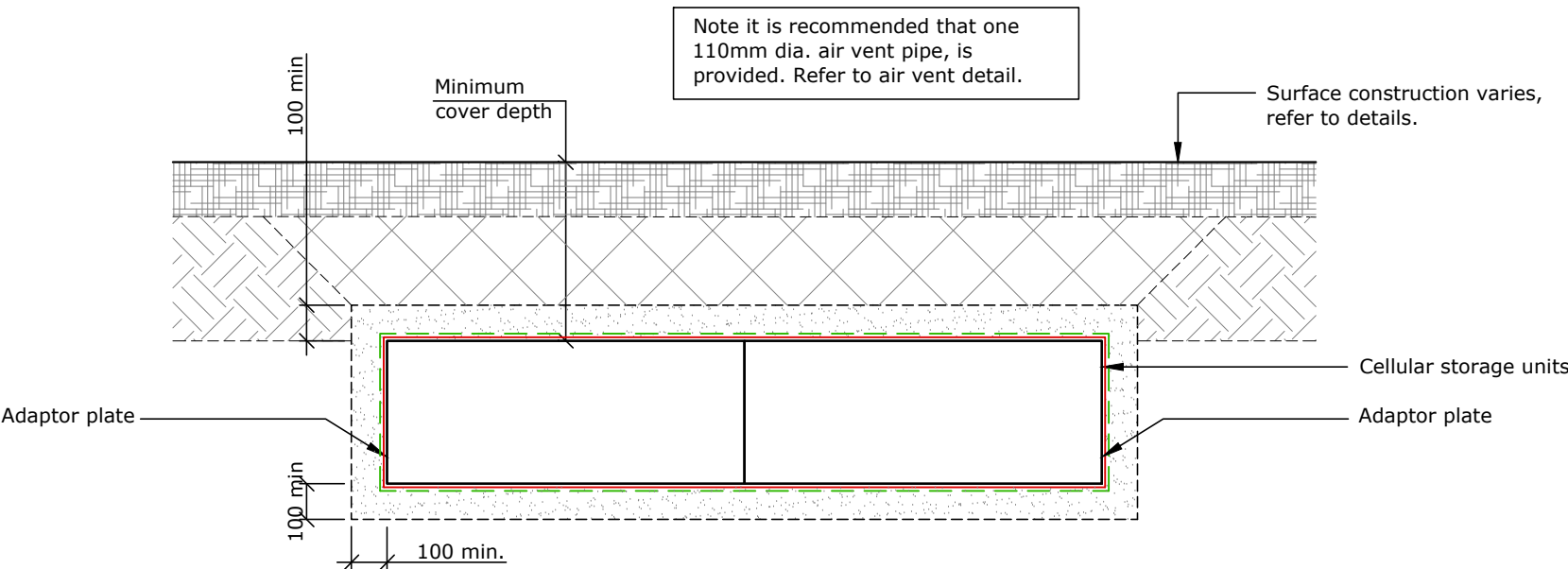
Approximate underground storage volume required:

AT1 Cellular Attenuation Tank

9.12m³ = (min. 24m² x 0.4m deep units, 95% void)

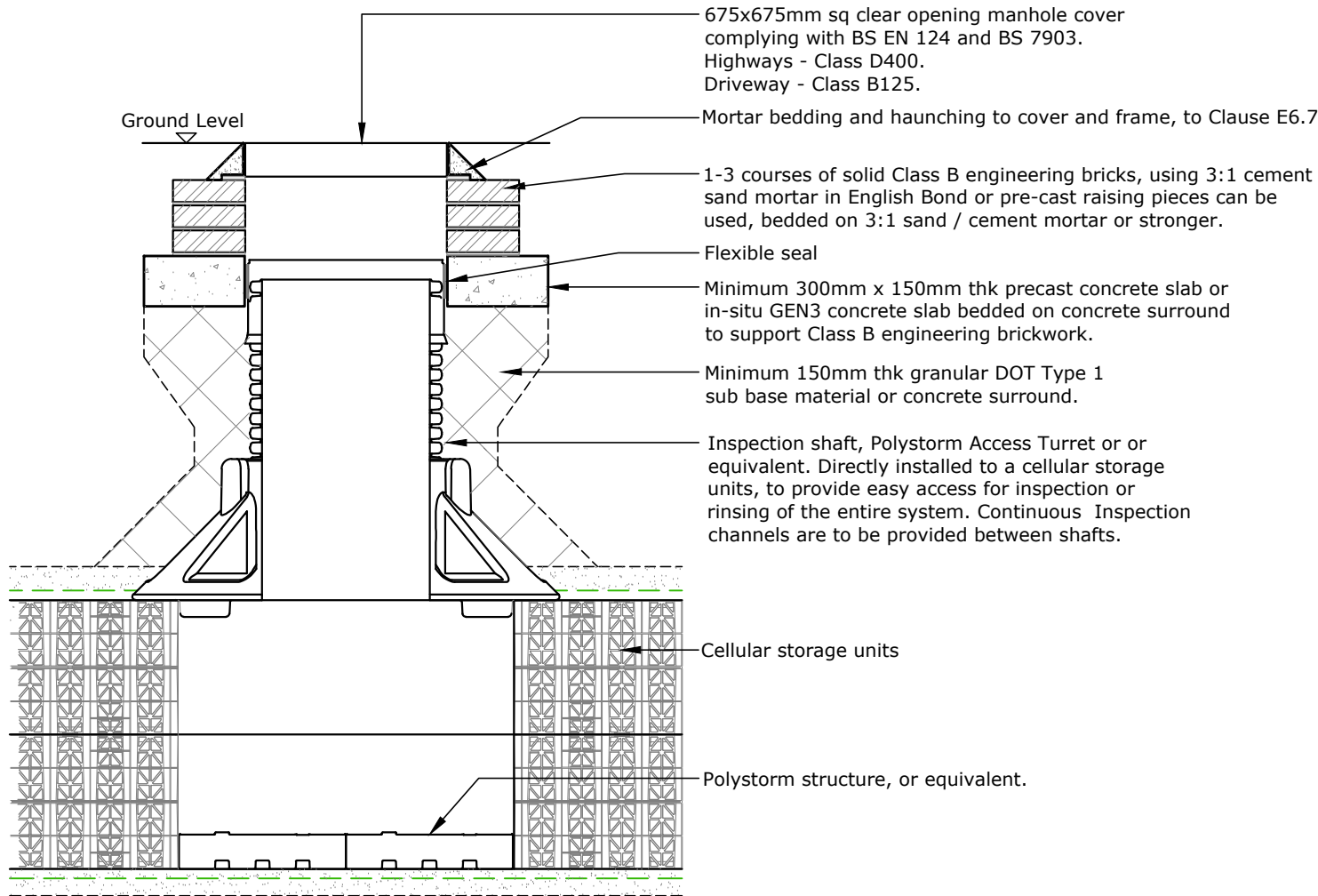
52.18 = Formation level

In Abyeance: The final design and installation by specialist manufacturer and will be subject to agreement and approval from Building Control, and the Lead Local Flood Authority (LLFA), This will follow localised geotechnical investigations and recommendations to ensure compliance with all relevant regulations and standards



Indicative Underground Attenuation Tank Section (nts)

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



'ISC' Indicative Cellular Inspection Shaft Detail (nts)

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

General Notes

All dimensions shown are in millimetres unless otherwise stated. They should not be scaled from the drawings and must be checked on site, by the Contractor, from the actual work wherever possible.

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

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

The Contractor shall provide evidence, including photographs, to show that the drainage systems have been constructed as such. Records shall be incorporated within the Health & Safety File.

For Approval

P01 14/02/25 Issued for approval rmh

rev date amendment by

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BPS

client:
PR Homes Direct

architectural design:
CKA Architectural

project:
1-3 Barclay Court, Market Place
Haywards Heath, RH16 1DB

drawing title:
**Proposed Conversion To Form 10No Flats
Drainage Details 1**

scale: as shown @ A1 date: feb 25 drawn by: rmh

project no: 24079 drawing no: DR-D-1220-S4 P01