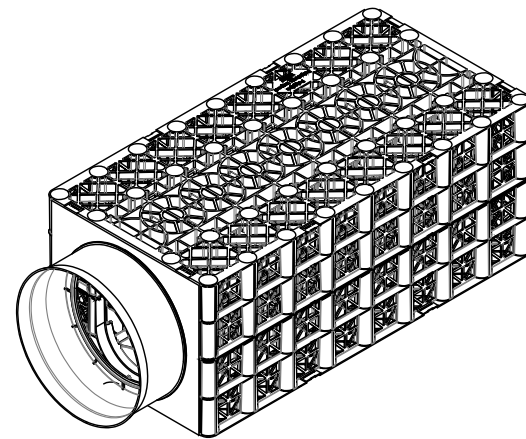
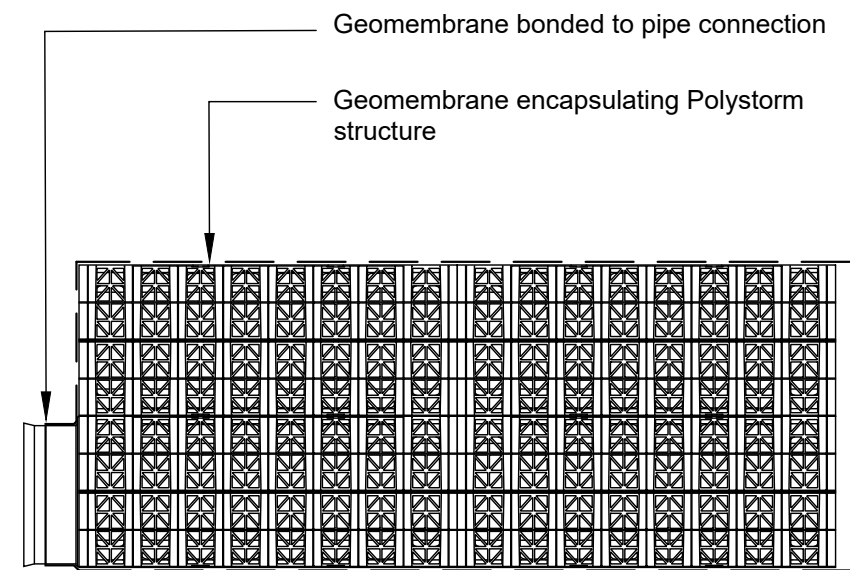


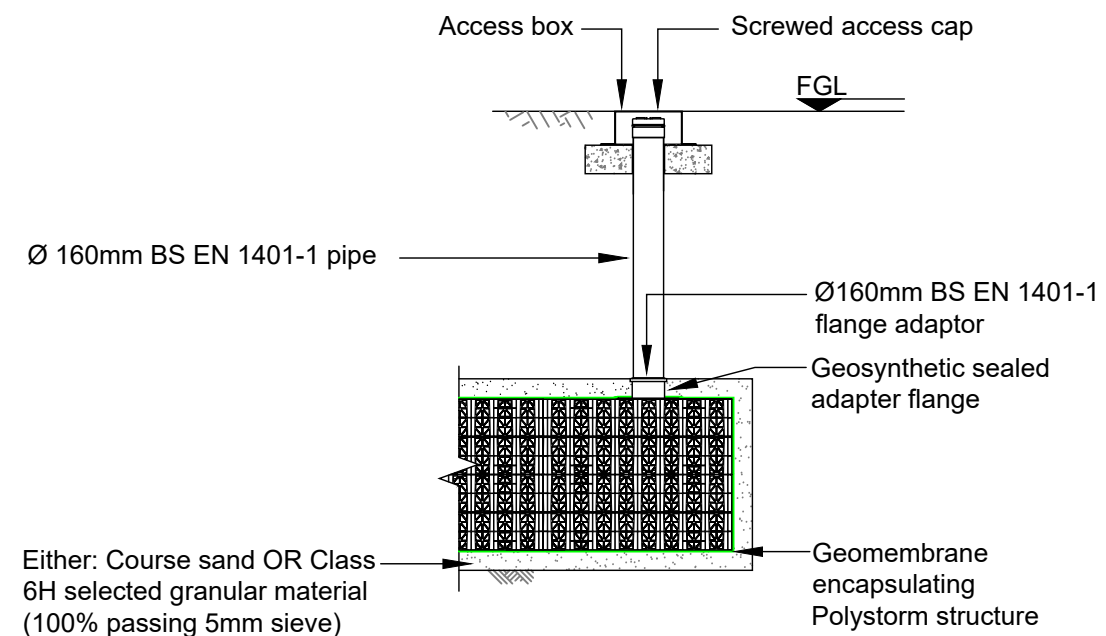
PSM4CRD Pipe Connection Unit



Isometric View (Scale 1:20)



Section View (Scale 1:20)



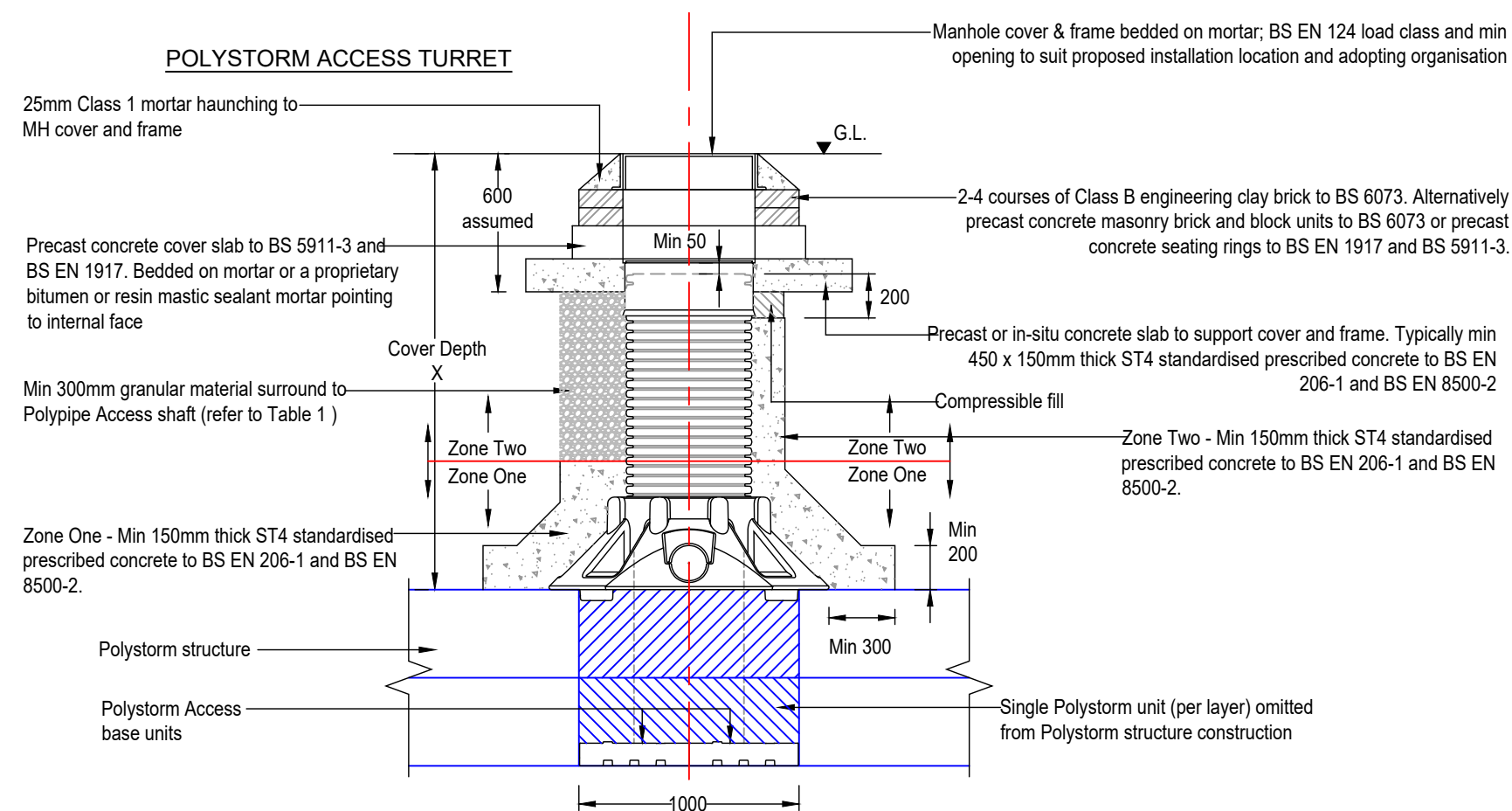
Ventilation System (Scale 1:40)

NOTES

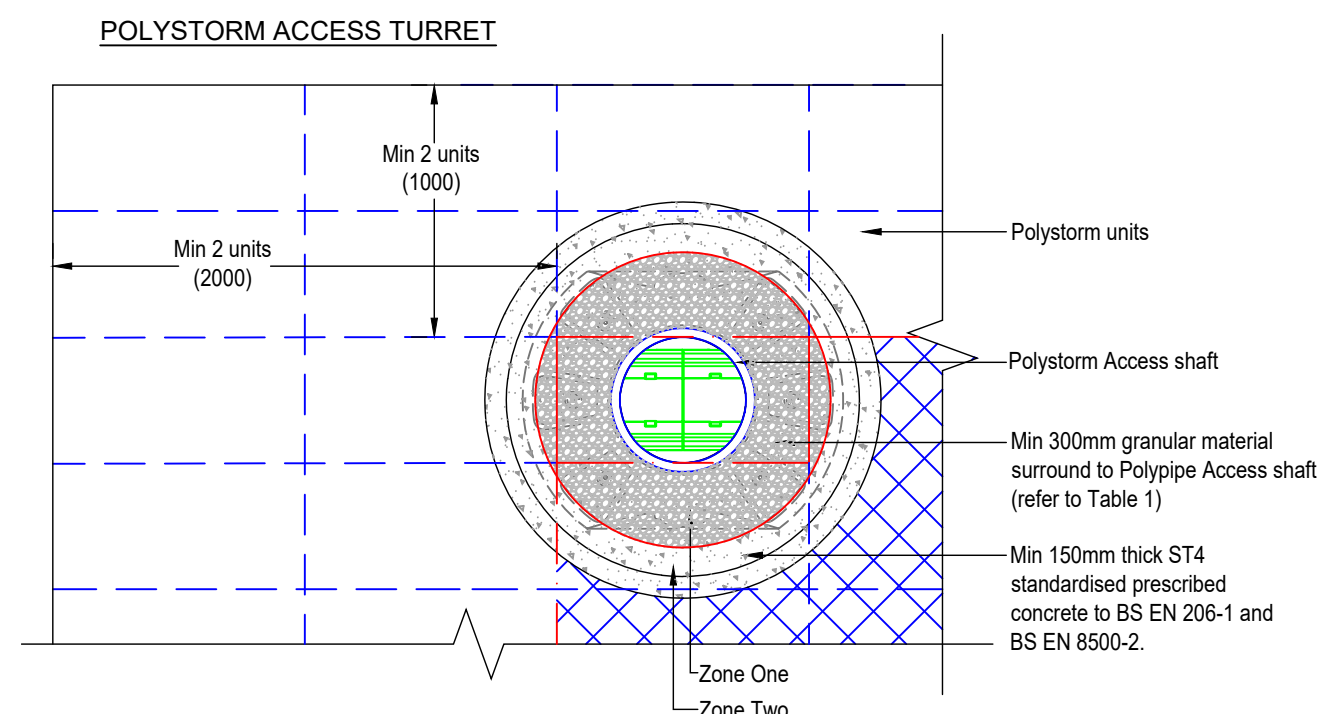
1. Proposed Hydro WMS layout.
2. All dimensions are in millimetres, all elevations in metres unless otherwise stated.
3. All temporary and enabling works by others.
4. All dimensions of fabricated items are nominal and may vary within manufacturing tolerances.

Pipe connections and Vent Pipe seals

- Wherever possible low level pipe connections are fitted during installation of the first level of cellular units. Cellular units are temporarily placed where pipe connections are required, and the membrane marked to note the position of the required hole.
- An aperture 70mm less than the pipe fitting being used, is cut into the membrane and the pipe fitting cleaned around the outside where the liner is to make contact. A 50mm wide strip of BDST sealing tape is then bonded in place around the fitting.
- The membrane is then lifted, the fitting aligned with the aperture, and heat of 450°C applied for 6 seconds. The liner is then pressed over the pipe fitting, to form a 'Top Hat' style connection aided by the BDST sealing tape. Additionally, a worm-driven jubilee band is tightened over the membrane seal to further aid adhesion.
- Pipe connections at 225mm & 300mm are formed using specialised cellular connection units - (PSM4CRD225 & PSM4CRD300) as shown.
- Vent pipe and smaller connections formed using twinwall pipe are to be made using "Flange Adaptors" which should be fixed into position using self-tapping screws.
- Where connection is required using 150mm PVC pipe these can be formed by pushing a short pipe section into the "knockout" part of the Polystorm unit and sealing as described above.



Typical Elevation(Scale 1:30)



Plan View (Scale 1:30)