



# BRYNEITHIN, DINAS POWYS

SuDS Maintenance Strategy

Intelle Construction

C15241-REP01-A  
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## Planning Approval Vale of Glamorgan Council

Response to Condition 9: Maintenance and Management for the SuDS system incorporated within the development drainage design.

### Below Ground Drainage

All onsite drainage will either be constructed to meet Building Regulation requirements or where the drainage is to be adopted by the water authority, Dwr Cymru Welsh Water, the drainage is to be constructed to adoptable standards, in accordance with **Sewers for Adoption 7<sup>th</sup> Edition**, and any of DCWW's specific requirements.

### Sustainable Urban Drainage (SuDS) – Private Geocellular Systems (Attenuation Storage and Soakaways)

A modular plastic geocellular system with a high void ratio has been introduced with the surface water design to control, manage and discharge the surface water runoff as they can be tailored to suit the specific requirements of the site. Regular inspection and maintenance is therefore critical for the effective operation of the system in that all pipework will be laid to achieve self-cleansing velocity with catchpits providing pre-treatment inlet screening upstream of the storage cells in order to reduce the risk of siltation.

### Maintenance Schedule

- Inspect and identify any areas that are not operating correctly and if required, take any remedial action.

**Frequency:** Initially post construction, monthly for 3 months, then 6 monthly.

- Debris Removal from catchment, cleaning catchpits.

**Frequency:** Monthly

- Where rainfall infiltrates into blocks from above, check surface filter for blockage by silt, weed algae etc. and remove.

**Frequency:** After large storms.

- Remove sediment from upstream catch pits, gullies and liner drainage.

**Frequency:** Annually

- Remedial Action: Repair/rehabilitation of inlets outlets, overflows and vents :

**Frequency:** As required

- Monitoring: Inspect/check the systems inlet, outlets, vents and overflows to ensure that they are in good condition and working order as designed:

**Frequency:** After large storms.

The specified design product selection is Polypipe Polystorm geocellular which allows and enables access for inspection and maintenance i.e. CCTV and flushing /rodding.