

- All works by the contractor should be carried out in strict accordance with the 'Health and Safety Act' requirements.
- All works to be in accordance with the 'Building Regulations 2010' and all relevant British Standard Specifications and Codes of Practice.
- All dimensions in millimetres unless otherwise noted
- No dimensions are to be scaled from this drawing
- All dimensions and levels shown to be checked on site by the contractor.
- Where any dimensions, ground conditions, existing structures vary on site, the engineer must be notified immediately
- The Contractor is to ensure they are aware of the implications of changes which either they or the sub-contractor make with regard to the structural integrity of the building and the engineer notified of any such changes.
- This drawing to be read in conjunction with all relevant architectural and engineering services drawings.
- Structural members including slabs, beams, columns and walls are designed for their strength and lateral stability, assuming that all of these components are connected and constructed in their final position. The contractor is responsible for the stability of the building structure and excavations during the construction period i.e. its temporary state. All temporary propping must be carried down to a firm bearing and be agreed with the engineer prior to dewaterings.
- The engineer must be notified prior to construction loads or temporary loads being applied to complete or partially complete structures.
- All materials and proprietary systems to be installed in strict accordance with the manufacturer's recommendations.
- Structural design based on and drawings to be read in conjunction with Architect's drawing numbers

Sewerage installation works to be carried out in accordance with " Sewers for Adoption, a design and construction guide for developers" 7th edition. 100mm, 150mm and 225mm diameter sewers to be uPVC structured wall gravity sewer pipes with manufacturers flexible joints and comply with the relevant provisions of BS 4660 and BS EN 1401-1, BS EN 1852 AND BS EN 12666-1. Thermoplastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 and be kite marked. (stiffness classification sn8)

- Concrete protection to sewers to be in accordance with the current sewers for adoption specifications and drawings.
- Disconnecting chambers to be provided on the foul and surface water drains before connecting to sewers, chambers to be 450mm dia. non-entry uPVC where depth to invert is less than 3m.
- House FFL to be verified with architects final layouts and checked prior to commencement of works.
- Tree planting adjacent to sewers is to be restricted.
- Drainage should be constructed based on the invert levels provided, invert levels shown are for outlet pipes only.
- Manhole cover levels should be checked against final landscaping levels prior to construction.

- Sewers should be constructed by competent contractor and in accordance with sewers for adoption, a design and construction guide for developers" 7th edition.
- Appropriate notice and a programme of works should be provided to the local water authority in order to allow them to programme site audits and testing.
- Once works are completed the line should be de-silted with "as built" drawings and a CCTV survey of the works recorded and then submitted prior to application for completion certificate.
- Local water authority should also carry out joint inspection of the works with developer or site agent.
- A defects liability period (minimum 12 months)

- The Storm water SUDS scheme has been designed such that maintenance of the SUDs areas is anticipated to be minimal and only requires ad-hoc inspection and monitoring rather than a regular inspection period.

- Maintenance of the rainwater planters and rainwater garden areas should be inspected routinely (Daily/Weekly) to remove surface rubbish/debris and to tend to the plants as required to ensure they remain healthy with suitable soil coverage.
- Replace plants should they become damaged or die as required.

- The permeable tarmac driveway does not require regular maintenance other than ensuring surface rubbish or debris is removed if present.

- Remove cover and inspect ensuring water is flowing freely and that the exit route for water is unobstructed. Remove debris and silt.
- Undertake inspection after leaf fall in Autumn.

Rainwater Planter Planting Schedule:

PLANTING SPECIFICATION FOR RILL & BASIN
EM8 Meadow Mixture for Wetlands.
Sowing Rates 4g/m²
Reference: Emorgate Seeds

R01	22.05.2026	SC	Issued for Comment	RD	IH
REV	DATE	BY	DESCRIPTION	CHK	APPD
DRAWING STATUS:					
HCE HCE Limited Canolfan Gorseionon Centre Millers Drive Gorseionon SA4 4QN Delivering Engineering Excellence Tel: 01792 805010 Email: info@hcelimited.com Web: www.hcelimited.com					
CLIENT: MR. ALISTAIR & MRS ANWEN BUTLER					
PROJECT: DR DESIGN LTD.					
MARCHOLWS, PENIEL CARMARTHENSHIRE SA32 7AA GENERAL NOTES					
SCALE @ A1: NTS		CHECKED: RD		APPROVED: IH	
CAD FILE: HCE-1841-CVD-001		DESIGN-DRAWN: SC		DATE: MAY 2026	
PROJECT No: 1841		DISCIPLINE: CVD		REV: 001	
				R01	