



**Notes:**

- Do not scale from this drawing. All dimensions in m unless specified otherwise.
- This drawing is to be read in conjunction with all other Architectural information.
- The specification in all respects shall be in accordance with the current Vale of Glamorgan Council Specification and Construction publications in force in the county at the time of construction.
- All drainage to be constructed in line with Building Regulations Part H, Sewers for Adoption 7th Edition & SAB requirements.
- Proposed connections to sewers subject to VOGC & DCWW approval.
- In areas loaded by vehicles, where cover to sewers exceeds 1.2m, Type S surround is to be used. Where cover is less than 1.2m, Type Z surround is to be used.
- Surface water pipe material to be twin wall HDPE pipework in accordance with BS-EN 13476-1 and to achieve the HAPAS specification issued by the BBA.
- All jointing in accordance with manufacturer's technical advice & specification.
- All trafficked covers and gratings to be D400 load classification, with B125 for non-trafficked areas.
- Hydrock SI report RP-GE-0003 indicates infiltration was not possible due to high ground water levels and collapsed excavations. Groundwater levels vary across the site at around 0.5m - 1.5m depths. Buoyancy calculations checks may be required on below ground attenuation and chambers.
- Brownfield runoff for the existing road calculated to be 20.4 l/s. Discharge rate for the proposed S278 works restricted to 30% betterment of the brownfield rate, 14.28 l/s.
- Attenuation sized to attenuate for all storm events up to and including 100 year +40% climate change.

**Legend**

- Proposed Surface Water Drainage
- Hydrobrake chamber
- Road Gully
- ACC Swale/Rain Garden Inlet

P3	13.01.22	Layout Updated	MS	GS
P2	22.09.22	Swale updated, footpath removed	MS	GS
P1	29.08.22	ISSUED FOR ISG REVIEW	WS	MS

Rev Date Description By Apvd

**PROJECT:**  
YSGOL Y DERI

**TITLE:**  
SECTION 278 DRAINAGE LAYOUT

**CLIENT:**  
ISG

**SCALE@A1:**  
1:250

**PROJECT REF:**  
22112  
**DRAWING No:** YYDE-JUB-XX-XX-DR-C-00560 P3 **REV:**

**Revision Referencing**  
P = Preliminary A = Approval T = Tender C = Construction

