



- Notes:
1. Do not scale from this drawing. All dimensions in m unless specified otherwise.
 2. This drawing is to be read in conjunction with all other Architectural, Engineering and M&E drawings/information. This is for tendering & planning purposes and should not be used for construction.
 3. 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.
 4. All drainage to be constructed in line with Building Regulations Part H, Sewers for Adoption 7th Edition & SAB requirements.
 5. Proposed connections to sewers subject to VOGC & DCWW approval.
 6. 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.
 7. 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.
 8. Foul water pipe material to be PVCU pipework in accordance with BS-EN 1401-1 and to achieve the HAPAS specification issued by the BBA.
 9. Inspection chamber access to be restricted to 350mmØ when depth to invert level exceeds 1.2m.
 8. All jointing in accordance with manufacturer's technical advice & specification.
 9. Unless noted otherwise, all pipe diameters to be 100mm Ø.
 10. Root barriers are to be installed where sewers are within 1.5m of proposed/existing trees.
 11. All trafficked covers and gratings to be D400 load classification, with B125 for non-trafficked areas.
 12. RWPs to have above ground access points.
 13. 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.
 14. Greenfield runoff (Qbar) from site calculated to be 12.0 l/s. Site discharge rate restricted to Qbar.
 15. Attenuation sized to attenuate for all storm events up to and including 100 year + 40% climate change.
 16. Foul drainage is indicative and subject to M&E building foul design.

- Legend
- Proposed Surface Water Drainage
 - Proposed Foul Water Drainage
 - Rain Garden
 - Kalzip Green roof
 - Geocellular Attenuation
 - Perforated Pipe
 - Linear Channel:
Acco Channel M100/DS075
Threshold Drain
 - Hydrobrake chamber
 - Gully/Foul Gully
 - ACO Swale/Rain Garden Inlet

P5	23.09.22	Layout updated	MS	GS
P4	26.08.22	Updated for SAB Issue	MS	GS
P3	08.04.22	Road gully Ø added	MS	GS
P2	25.03.22	Layout updated	MS	GS
P1	15.03.22	STAGE 3 ISSUE	NC	MS

Rev Date Description By Apvd

PROJECT:
YSGOL Y DERI

TITLE:
PROPOSED DRAINAGE LAYOUT
SHEET 1 OF 2

CLIENT:
ISG

SCALE@A1:
1:250

PROJECT REF:
22112
DRAWING No: YDE-JUB-XX-XX-DR-C-00500 P5

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



REFER TO DRAWING 0501