

6.

Do not scale from this drawing. All dimensions in m unless specified 1 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. 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 is 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 resitrcted 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 \emptyset .
- 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

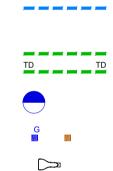
Perforated Pipe

Linear Channel: Aco Channel M100/DS075

Threshold Drain

Hydrobrake chamber

Gully/Foul Gully



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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 Ap				Apvd

PROJECT: **YSGOL Y DERI**

TITLE: PROPOSED DRAINAGE LAYOUT SHEET 1 OF 2

CLIENT:

ISG

SCALE@A1: 1:250

PROJECT REF:

22112 DRAWING No: **REV**: YYDE-JUB-XX-XX-DR-C-00500 P5

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



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