

DRAINAGE STRATEGY:

FOUL DRAINAGE

- NEW FOUL SYSTEM TO COLLECT ALL FOUL DISCHARGE FROM PROPOSED SITE UNDER GRAVITY.
- FOUL SYSTEM TO CONNECT INTO EXISTING DCWW SEWER ONSITE (SUBJECT TO A-S106 AGREEMENT)
- ALL FOUL PIPES (100mm ϕ) TO HAVE A GRADIENT OF 1:80 OR STEEPER.

SURFACE WATER

- A NEW DITCHED CONNECTION INTO THE EXISTING WATERCOURSE TO THE SOUTH OF SITE.
- TOTAL SW AREA - 0.996Ha
- PROPOSED OFFSITE DISCHARGE RATE AT A GREENFIELD RUNOFF RATE OF 6.26lit/sec.
- TOTAL RUNOFF AREA INCLUDED IN ATTENUATION SIZING - 0.739Ha.
- VOLUME REQUIREMENT: 465m³ (100yr + 30% DESIGN STORM, BASED A DISCHARGE RATE OF 6.26lit/sec).
- ALL SW PIPES (150mm ϕ) TO HAVE A GRADIENT OF 1:120 OR STEEPER.
- ALL SW PIPES (225mm ϕ) TO HAVE A GRADIENT OF 1:200 OR STEEPER.

FOUL WATER CONNECTION POINT TO EXISTING DCWW SEWER ONSITE

PROPOSED CULVERT (450mm ϕ) IN PLACE OF EXISTING DITCH ONSITE IL-98.46 AT INTERSECTION WITH PROPOSED FOUL

**LANDSCAPED SUDS BASIN
VOLUME REQUIRED= 465m³
1:3 BANKS
TOP OF BANK LEVEL 99.40
BED LEVEL 98.40
MAX. 100YR+30% WATER DEPTH 1.0m
MIN. FREEBOARD 0.3m**

STORM WATER CONNECTION POINT 6.26l/s TO EXISTING WATERCOURSE

EXISTING PIPE OUTSIDE SITE BOUNDARY. PIPE LOCATION INDICATIVE AND WILL NEED FURTHER SURVEY ONSITE

- NOTES**
- DO NOT SCALE THIS DRAWING
 - CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER

- PROPOSED STORM
- PROPOSED FOUL
- EXISTING STORM
- EXISTING FOUL
- SITE BOUNDARY

Rev.	Detail	By	Date
Revisions			

Reinforcement schedules nos.



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Client: **MOLLER PCI**

Project: **PROPOSED NEW HEADQUARTERS MOLLER PCI, GARGOCH SWANSEA**

Drawing Title: **PROPOSED DRAINAGE STRATEGY**

PLANNING

Project No. C0947	Drawing No. C-001
Scales	Date 27.10.17
Drawn JP	Checked GT
Sheet Size A1	Revision

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