

DRAINAGE STRATEGY:

FOUL DRAINAGE

- NEW FOUL SYSTEM TO COLLECT ALL FOUL DISCHARGE FROM PROPOSED SITE UNDER GRAVITY.
- DRAIN SURVEY REQUIRED TO CONFIRM FOUL CONNECTION POINT.
- S106 AGREEMENT REQUIRED TO CONNECT TO ON-SITE DCWW SEWER.

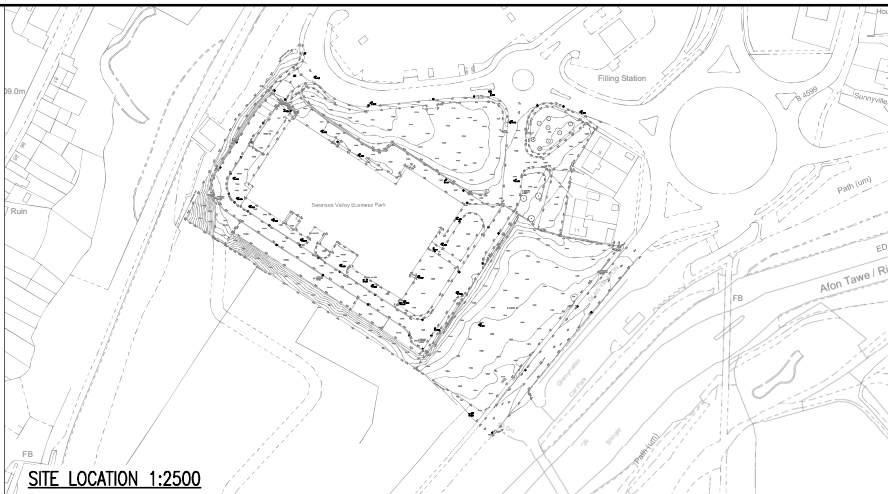
SURFACE WATER

OPTION 1 (POROUS PARKING):

- POROUS PARKING SUBJECT TO PERCOLATION TESTING.
- TOTAL SITE AREA – 3345m²
- 100yr + 30% DESIGN STORM, BASED ON A ASSUMED GROUND PERMEABILITY RATE OF 1x10⁻⁵m/s.
- POROUS PARKING TO TAKE PLOT ROOF RUN-OFF. CARPARKING AREA TO CONSIST OF A PERMEABLE SURFACE, DISCHARGING TO GROUND.
- 640mm DEPTH OF SUB-BASE REQUIRED TO CATER FOR 100yr + 30% DEIGN STORM

OPTION 2 (ATTENUATED DISCHARGE):

- DRAIN SURVEY REQUIRED TO CONFIRM STORM CONNECTION POINT.
- A NEW ATTENUATED CONNECTION INTO THE EXISTING STORM RUN AT THE BUSINESS PARK IS PROPOSED.
- TOTAL HARD-PAVED SITE AREA – 3345m²
- STORAGE VOLUME REQUIREMENT: 210m³ (100yr + 30% DESIGN STORM, BASED A DISCHARGE RATE OF 5lit/sec).
- ATTENUATION STRATEGY TO BE CONFIRMED AT DETAILED DESIGN STAGE.



SITE LOCATION 1:2500

- GENERAL NOTES**
1. DO NOT SCALE THIS DRAWING.
 2. CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
 3. ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

KEY

- EXISTING DCWW FOUL DRAINAGE LAYOUT
- FOUL DRAINAGE LAYOUT
- SURFACE WATER DRAINAGE LAYOUT
- [Hatched Box] ATTENUATION TANK (OPTION 2) OR STORAGE PROVIDED WITHIN SUB BASE OF POROUS PAVING
- [Blue Hatched Box] BIODIVERSITY/AMENITY SPACE

| Rev. | Detail | By | Date |
|-----------|--------|----|------|
| Revisions | | | |

Reinforcement schedules nos.



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Client

Project
INDUSTRIAL UNITS – SWANSEA VALLEY BUSINESS PARK, YSTALYFERA

Drawing Title
PROPOSED DRAINAGE STRATEGY PLAN

INFORMATION

| | |
|-----------------------------|------------------------------|
| Project No. C1422 | Drawing No. C-SK04 |
| Scales /500 | Date 16.05.19 |
| Drawn CP | Checked GT |
| | Revision Sheet Size A3 |

