

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.

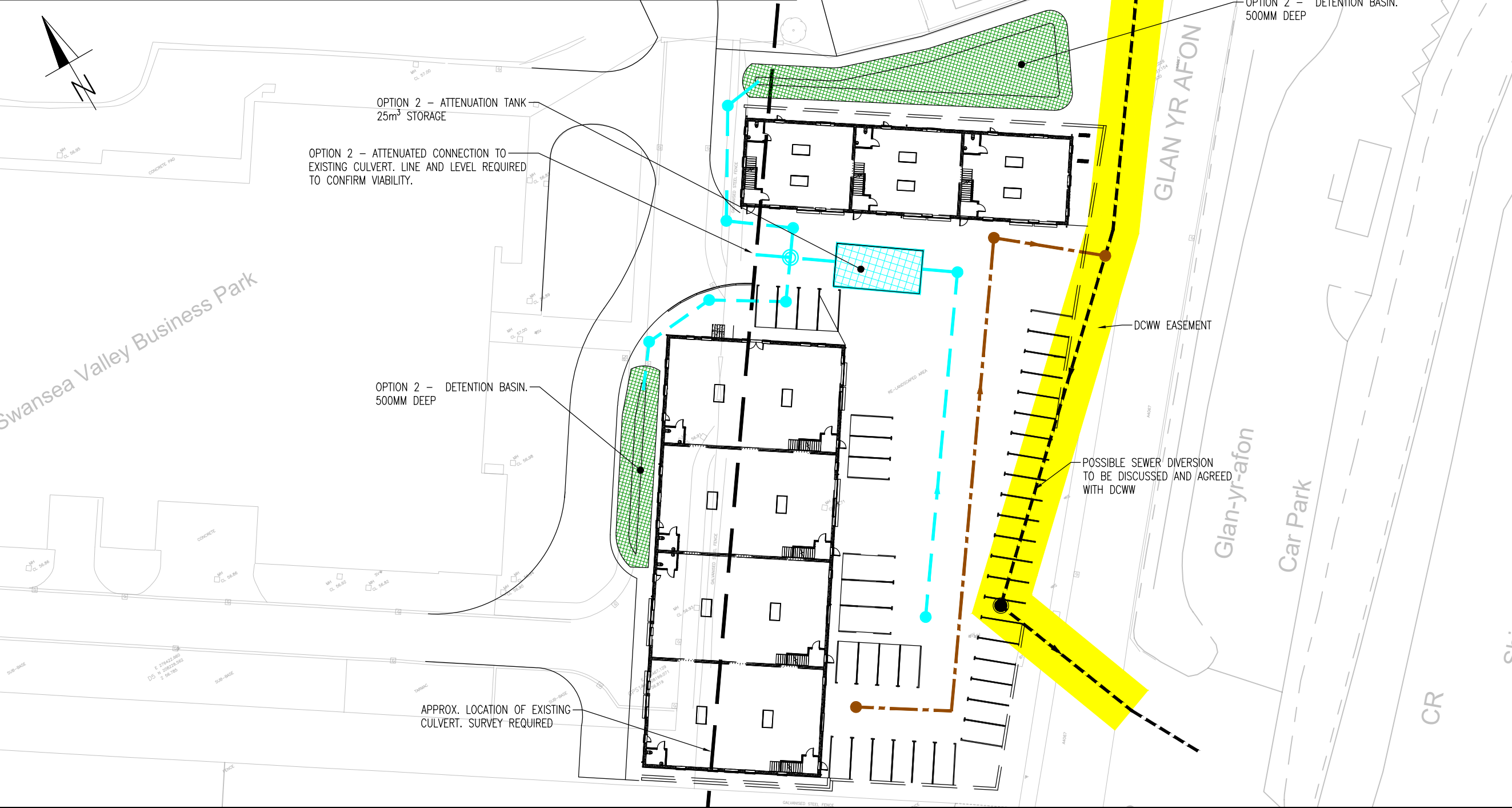
SURFACE WATER

OPTION 1 (POROUS PARKING):

- POROUS PARKING SUBJECT TO PERCOLATION TESTING.
- TOTAL SITE AREA – 3225m²
- 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% DESIGN STORM

OPTION 2 (ATTENUATED DISCHARGE):

- DRAIN SURVEY REQUIRED TO CONFIRM LINE AND LEVEL OF EXISTING CULVERT.
- A NEW ATTENUATED CONNECTION INTO THE EXISTING THE CULVERT WHICH IS THOUGHT TO BISECT THE DEVELOPMENT IS PROPOSED
- TOTAL HARD-PAVED SITE AREA – 3225m²
- STORAGE VOLUME REQUIREMENT AS SHOWN HAS BEEN DESIGNED FOR A 100yr + 30% DESIGN STORM, BASED A DISCHARGE RATE OF 5lit/sec.
- SOME PARKING SPACES WHICH DO NOT SIT OVER THE EXISTING PROPOSED DCWW SEWER MAY BE DESIGNED TO PROVIDED ADDITIONAL ATTENUATION
- ATTENUATION STRATEGY TO BE CONFIRMED AT DETAILED DESIGN STAGE.



SITE LOCATION 1:2500

GENERAL NOTES

- DO NOT SCALE THIS DRAWING.
- CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
- ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
- 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
- ATTENUATION TANK (OPTION 2)
- DETENTION BASIN (OPTION 2)

DRAWING REVISED FOLLOWING ARCHITECTS LAYOUT ALTERATIONS. DETENTION BASINS ADDED, TANK SIZE REDUCED		DF	24.07.20
Rev.	Detail	By	Date
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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 1/500		Date 16.05.19	Revision
Drawn CP	Checked GT	Sheet Size A3	A