



THIS DRAWING IS COPYRIGHT © CAMBRIA CONSULTING LTD.
DO NOT SCALE FROM THIS DRAWING.

CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO CAMBRIA CONSULTING LIMITED BEFORE PROCEEDING.

THE CONTRACTOR IS TO REFER TO THE SPECIFICATION, FULL SCHEDULE OF RESIDUAL RISKS IN THE CONTRACT DOCUMENTATION AND ALSO TO INFORMATION FROM OTHER DESIGNERS, IN PARTICULAR THE M&E CONSULTANT REGARDING EXISTING LIVE SERVICES.

THIS SYMBOL IS USED TO HIGHLIGHT INSTANCES OF RISK WITHIN THE CONSTRUCTION PROCESS. ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.

- KEY:**
- BRE 365 SOAKAWAY TEST
 - EXISTING SURFACE WATER (PRIVATE)
 - EXISTING FOUL SEWER (ADOPTED DCWW)
 - EXISTING DCWW WATER SUPPLY
 - EASEMENT (ASSUMED 6m)
 - RAINGARDEN
 - RAINGARDEN / SWALE
 - PERMEABLE PAVING
 - ATTENUATION BASIN

- NOTES**
- DRAINAGE STRATEGY IS INDICATIVE OF DESIGN INTENT ONLY AND REMAINS SUBJECT TO DETAILED DESIGN
 - SOAKAWAY TESTING UNSUCCESSFUL - SURFACE WATER REQUIRES POSITIVELY DRAINING SOLUTION

P01	FIRST ISSUE.	LM	LM	LM
Rev.	Description	By	Chk	App
				07.10.24

Client:
PMG DEVELOPMENT LTD.

Project:
LAND AT READERS WAY, RHOOSE

Drawing Title:
DRAINAGE STRATEGY

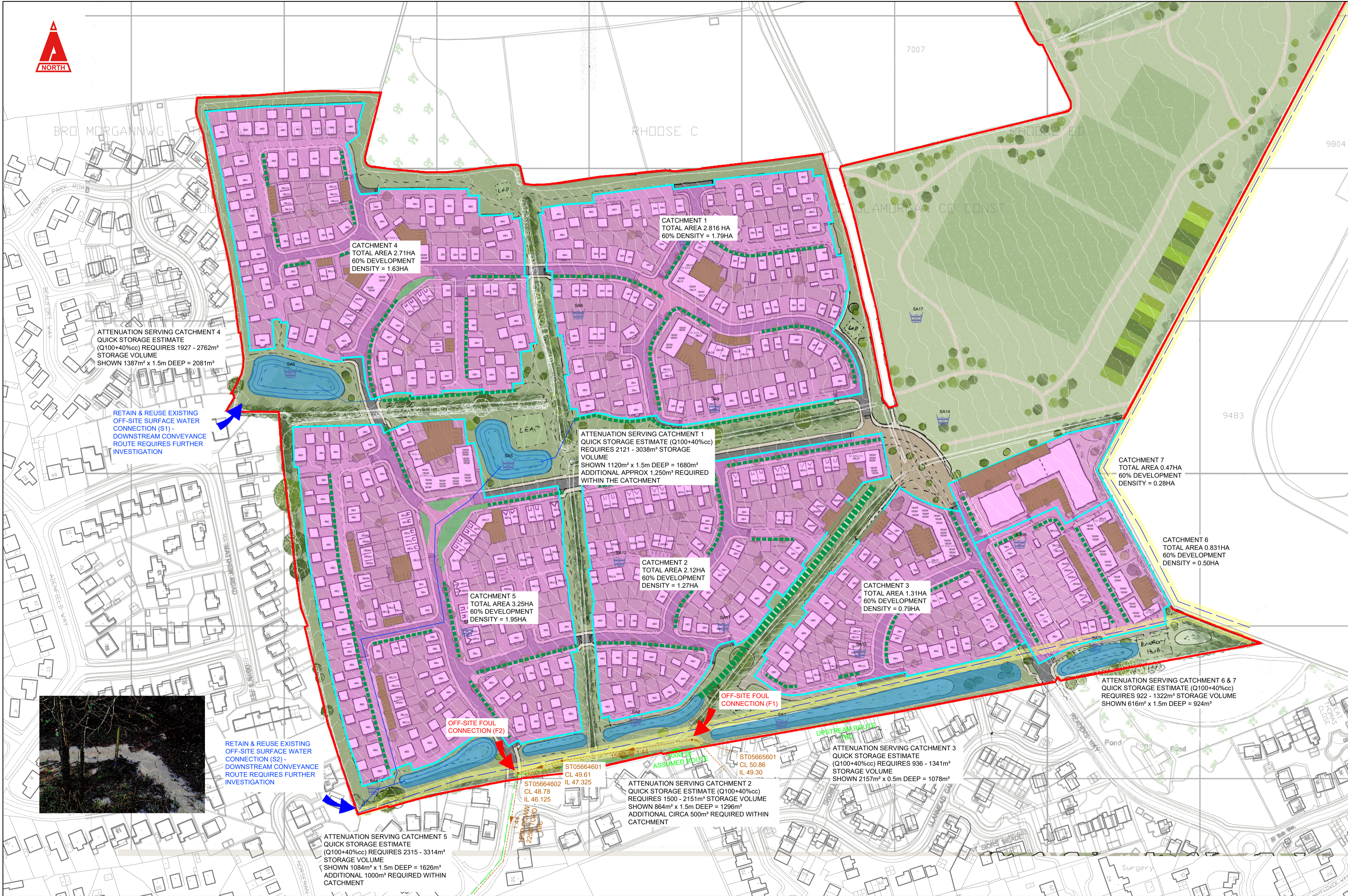
Drawing No:
CC2719 CAM XX XX DR C 0500

Project	Originator	Vol.	Level	Type	Role	Number
SS	PRELIMINARY					P01

CAMBRIA
Constructive Thinking

Civil & Structural Engineers
Cambria House
16 Plas St. Pol de Leon
Penarth Marina
Cardiff, CF64 1TR

T 029 2099 3333
E admin@cambria.co.uk
W www.cambria.co.uk
@cambriauk



RETAIN & REUSE EXISTING OFF-SITE SURFACE WATER CONNECTION (S2) - DOWNSTREAM CONVEYANCE ROUTE REQUIRES FURTHER INVESTIGATION

OFF-SITE FOUL CONNECTION (F2)

OFF-SITE FOUL CONNECTION (F1)

UPSTREAM ROUTE

ST05664601
CL 49.61
IL 47.325

ST05665601
CL 50.86
IL 49.30

ATTENUATION SERVING CATCHMENT 2
QUICK STORAGE ESTIMATE (Q100+40%cc)
REQUIRES 1500 - 2151m³ STORAGE VOLUME
SHOWN 864m² x 1.5m DEEP = 1296m³
ADDITIONAL CIRCA 500m³ REQUIRED WITHIN CATCHMENT

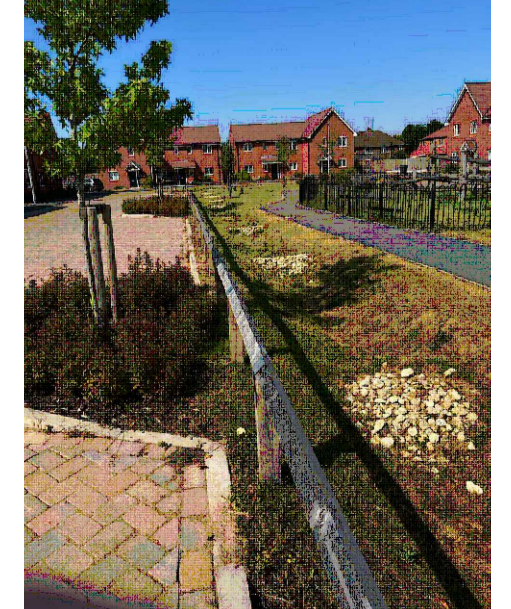
ATTENUATION SERVING CATCHMENT 3
QUICK STORAGE ESTIMATE (Q100+40%cc)
REQUIRES 936 - 1341m³ STORAGE VOLUME
SHOWN 2157m² x 0.5m DEEP = 1078m³

ATTENUATION SERVING CATCHMENT 5
QUICK STORAGE ESTIMATE (Q100+40%cc)
REQUIRES 2315 - 3314m³ STORAGE VOLUME
SHOWN 1084m² x 1.5m DEEP = 1626m³
ADDITIONAL 1000m³ REQUIRED WITHIN CATCHMENT

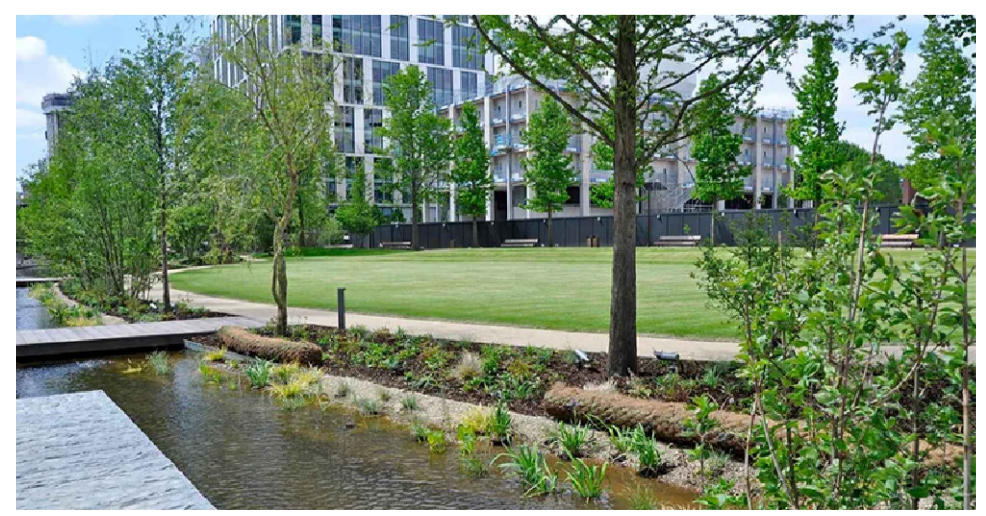
ROADSIDE RAINGARDENS



SWALES



LINEAR RAIN PARK



ATTENUATION BASIN



PERMEABLE PAVING

