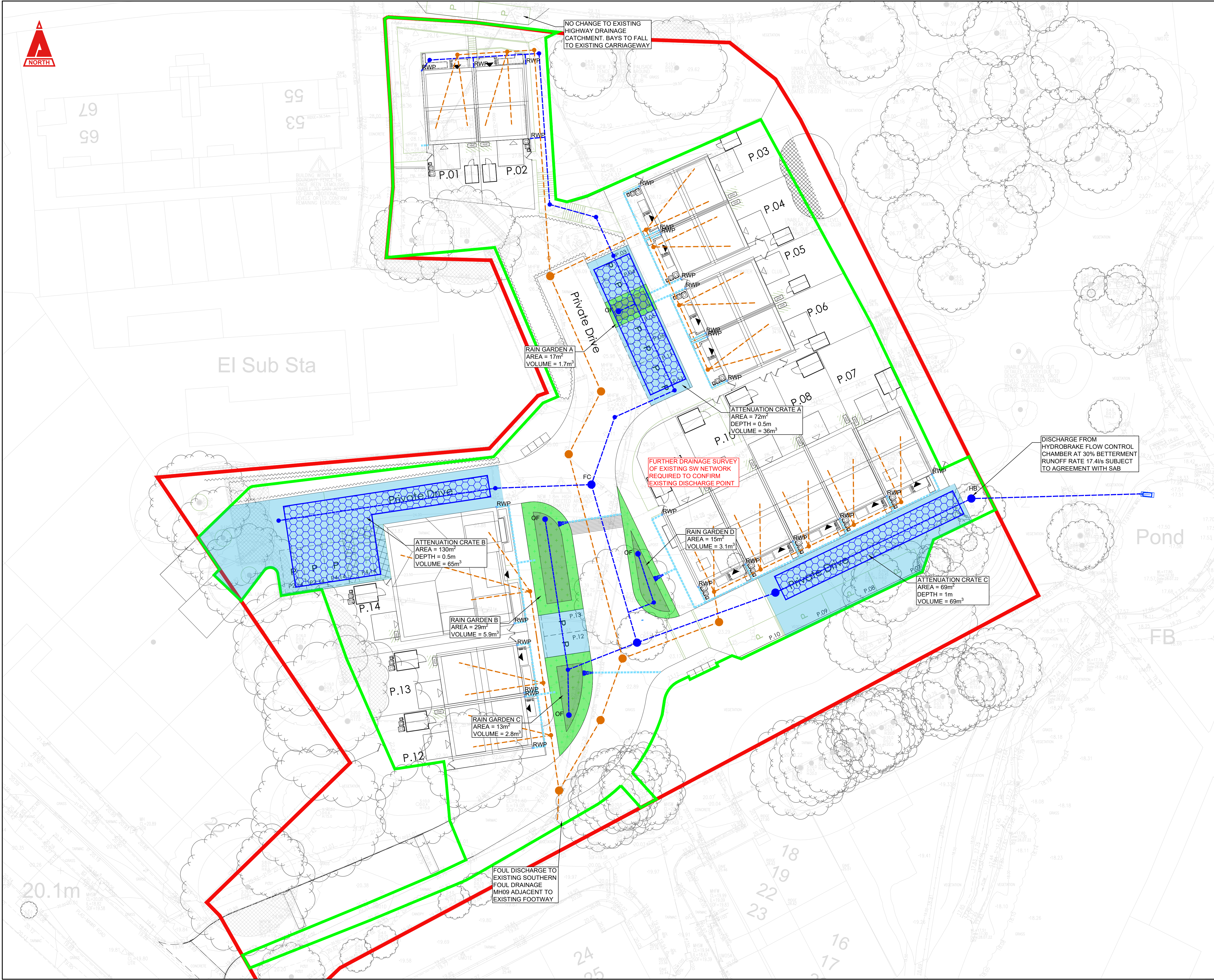




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CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO CAMBRIA CONSULTING LIMITED BEFORE PROCEEDING.

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.

NOTES

- THE BELOW TABLE OUTLINES THE CALCULATED GREENFIELD AND BROWNFIELD RUNOFF RATES FROM THE SITE, ATTENUATION REQUIREMENTS CALCULATED USING A QUICK STORAGE ESTIMATE, AND ONE-THIRD DESIGN VALUE FOR THE DESIGN STORAGE.

DESIGN DATA			
	DISCHARGE	ATTENUATION	ONE-THIRD
GREENFIELD	0.6l/s	833-1073m³	913m³
BROWNFIELD	17.4l/s	205-312m³	240m³

- THE GREENFIELD RUNOFF RATE WAS CALCULATED USING FEH DATA AND R6FH2 METHODOLOGY.
- THE BROWNFIELD RUNOFF RATE WAS CALCULATED THROUGH MODELLING THE EXISTING SURFACE WATER DRAINAGE NETWORK. A 30% BETTERMENT HAS BEEN PROVIDED ON 1 IN 1 YEAR FLOWS.
- A 10% CATCHMENT AREA INCREASE HAS BEEN APPLIED TO CALCULATIONS TO TAKE INTO CONSIDERATION URBAN CREEP.
- THE LOWEST INFILTRATION RATE RECORDED ON SITE WAS 7.80x10⁻⁵ m/s. INFILTRATION HASN'T BEEN CONSIDERED FOR ATTENUATION SIZING AT THIS STAGE.
- RWP LOCATIONS SHOWN INDICATIVELY AT THIS STAGE.

KEY:

-  SURFACE WATER DRAINAGE
-  PERFORATED SURFACE WATER DRAINAGE
-  FOUL WATER DRAINAGE
-  LINEAR / CHANNEL DRAIN
-  RWP RAINWATER PIPE
-  GEO-CELLULAR CRATES
-  PERMEABLE BLOCK PAVING
-  RAINGARDEN BASE
-  RAINGARDEN BATTER
- OF  OVERFLOW GULLY
- HB  HYDROBRAKE FLOW CONTROL CHAMBER
- FC  ORIFICE FLOW CONTROL CHAMBER
-  SURFACE WATER MANHOLE
-  FOUL WATER MANHOLE
-  SURFACE WATER INSPECTION CHAMBER
-  FOUL WATER INSPECTION CHAMBER
-  SITE BOUNDARY
-  SAB BOUNDARY
-  OUTLET
-  INLET

P02	REVISED SITE LAYOUT.	JD	BW	BW
				07/11/24
P01	ISSUED FOR PAC	JD	BW	BW
				28/10/2024
Rev.	Description	By	Chk	App

Client:



Project:

FAIRWATER CARDIFF HOUSING SITE

Drawing Title:

PROPOSED DRAINAGE STRATEGY

Drawing No.

CC2419 CAM XX XX DR C 0500

Project Originator Vol. Level Type Role Number

Status: SS PRELIMINARY Scale @A1: 1:200 Rev. P02

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