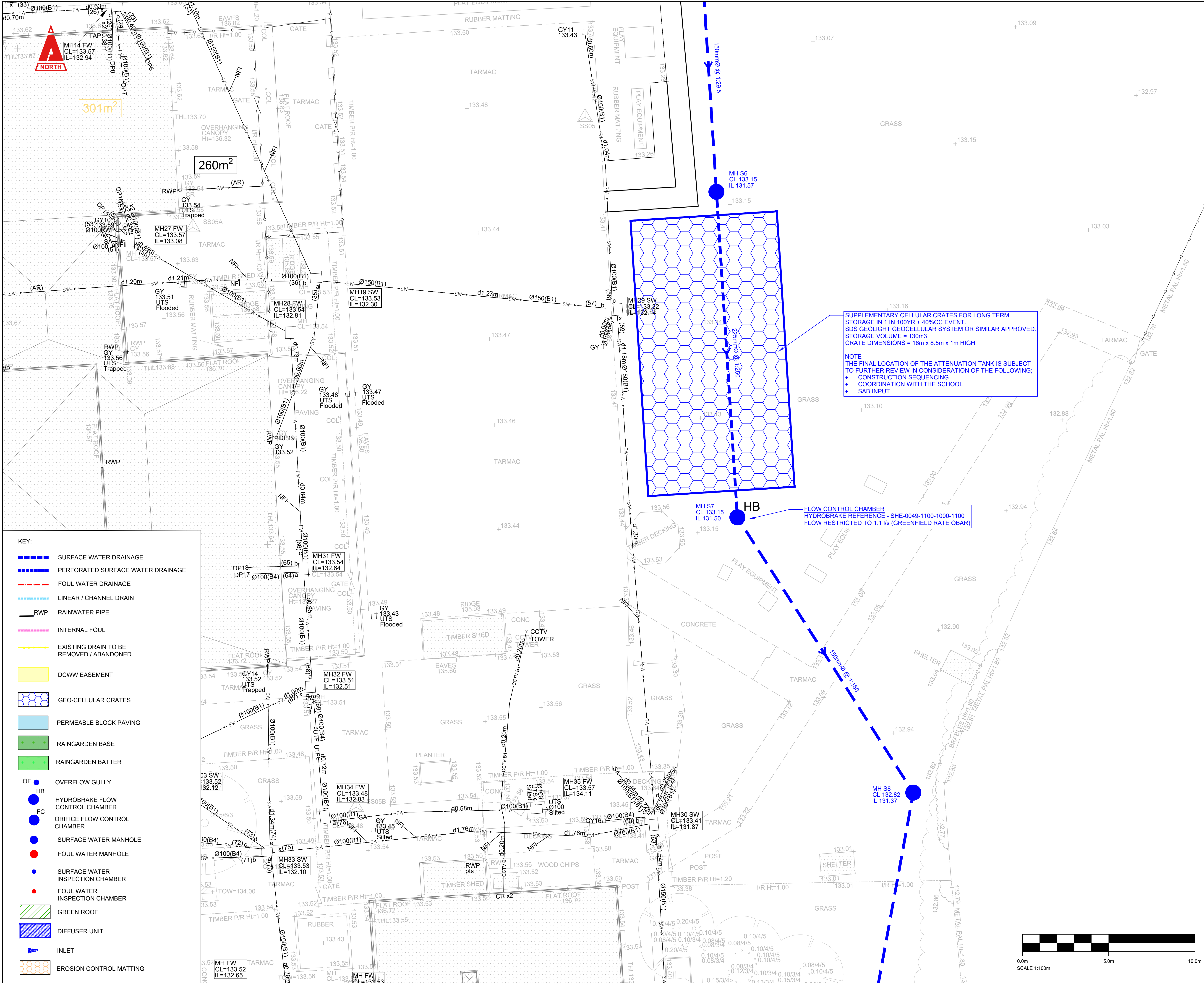




KEY:

- SURFACE WATER DRAINAGE
- PERFORATED SURFACE WATER DRAINAGE
- FOUL WATER DRAINAGE
- LINEAR / CHANNEL DRAIN
- RWP RAINWATER PIPE
- INTERNAL FOUL
- EXISTING DRAIN TO BE REMOVED / ABANDONED
- DCWW EASEMENT
- 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
- GREEN ROOF
- DIFFUSER UNIT
- INLET
- EROSION CONTROL MATTING

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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.

- NOTES**
- TOPOGRAPHICAL AND EXISTING UTILITY SURVEY INFORMATION PROVIDED BY SOLIM SURVEYING LTD - REFERENCE 1338, DATED 30/11/23.
 - TREE SURVEY CARRIED OUT BY ANDREW TAYLOR - ARBORICULTURALIST - FEBRUARY 2024.
- DRAINAGE STRATEGY**
- FOUL DRAINAGE**
- POPULATION NUMBERS ARE INTENDED TO INCREASE DUE TO THIS DEVELOPMENT THUS AN INCREASE IN PEAK FLOW FIGURE SHALL BE ESTABLISHED AND CATERED FOR.
 - IT IS ANTICIPATED THAT THE EXISTING ONSITE NETWORK SHALL BE UTILIZED FOR THE EXTENSION.
 - A SECTION 106 AGREEMENT SHALL BE IN PLACE PRIOR TO CONNECTION OF PROPOSED FOUL DRAINAGE.
 - A DCWW PRE-DEVELOPMENT ENQUIRY SHALL BE MADE TO ESTABLISH ALLOWANCE FOR THE DEVELOPMENT IN RESPECT OF FOUL DRAINAGE LOADING.
- SURFACE WATER DRAINAGE**
- SURFACE WATER DISPOSAL TO COMPLY WITH SUDs HIERARCHY AS SET OUT IN BUILDING REGULATIONS AND NATURAL RESOURCES WALES GUIDANCE.
 - MEETING THE 5mm INTERGRATION CRITERIA (NO INFILTRATION) ALL EXTERNAL HARDSTANDING TO BE A MIXTURE OF PERMEABLE AND RUNOFF DIRECTLY INTO BIORETENTION AREAS AND FILTER DRAINS WHERE POSSIBLE.
 - PROPOSED RUN OFF RATES SHALL BE DEPENDANT ON EXISTING LAND USAGE. RUNOFF FROM NEW IMPERMEABLE AREAS SHALL BE RESTRICTED TO GREENFIELD RATES AND RUNOFF RATES FROM THE REDEVELOPMENT OF EXISTING IMPERMEABLE AREAS SHALL PROVIDE A BETTERMENT OF 30%.
 - QUICK STORAGE ESTIMATE PROVIDES A VOLUME OF 164m³ TO CATER FOR THE 1 IN 100YR + 40% CLIMATE CHANGE EVENT.

DRAINAGE STRATEGY IS SUBJECT TO APPROVAL BY THE SAB AUTHORITY. IT IS STRONGLY ADVISED THAT A PRE-APP SAB APPLICATION IS SUBMITTED PRIOR TO RIBA STAGE 4.

SI SUGGESTS SETTLEMENT OF DRAINAGE INFRASTRUCTURE AND RECOMMENDS MINIMUM FALLS ARE AVOIDED. HOWEVER, SHALLOW EXISTING NETWORK AND FLAT SITE PROHIBIT STEEPER SLOPES.

P02	UPDATES TO DRAINAGE NETWORK AND ANNOTATIONS.	JD	BW	BW
			08/11/24	
P01	STAGE 3 ISSUE.	PY	BW	JB
			05/09/24	
Rev.	Description	By	Chk	App

Client:

Cambria Consulting Ltd
MERTHYR TUDFOL
MERTHYR TYDFIL
County Borough Council

Project:

YSGOL RHYD Y GRUG

Drawing Title:

PROPOSED DRAINAGE LAYOUT (SHEET 2 OF 4)

Drawing No.	RYG	CAM	ZZ	XX	DR	C	1102
Project	Originator	Vol.	Level	Type	Role	Number	
Status:	SS	PRELIMINARY	Scale @A1:	1:100	Rev.	P02	

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