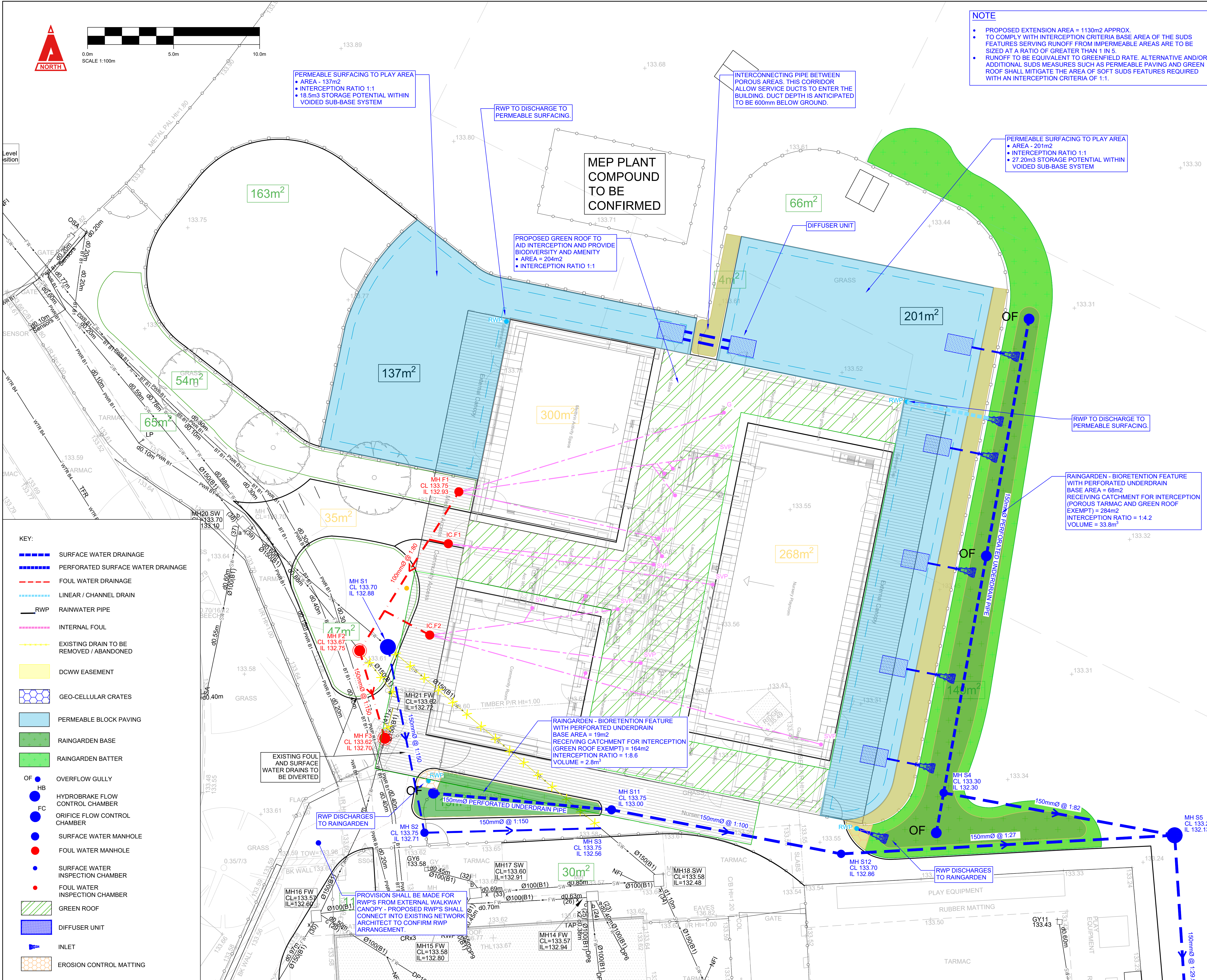




NOTE

- PROPOSED EXTENSION AREA = 1130m² APPROX.
- TO COMPLY WITH INTERCEPTION CRITERIA BASE AREA OF THE SUDS FEATURES SERVING RUNOFF FROM IMPERMEABLE AREAS ARE TO BE SIZED AT A RATIO OF GREATER THAN 1 IN 5
- RUNOFF TO BE EQUIVALENT TO GREENFIELD RATE. ALTERNATIVE AND/OR ADDITIONAL SUDS MEASURES SUCH AS PERMEABLE PAVING AND GREEN ROOF SHALL MITIGATE THE AREA OF SOFT SUDS FEATURES REQUIRED WITH AN INTERCEPTION CRITERIA OF 1:1.

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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

- TOPOGRAPHICAL AND EXISTING UTILITY SURVEY INFORMATION PROVIDED BY SOLUM SURVEYING LTD - REFERENCE 1338, DATED 30/11/23.
- TREE SURVEY CARRIED OUT BY ANDREW TAYLOR - ARBORICULTURALIST - FEBRUARY 2024.
- FURTHER DETAILS OF ROOT PROTECTION ZONES AND EXACT TREE LOCATIONS TO BE CONFIRMED.

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 INTERCEPTION 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%.
- EXISTING SITE IMPERMEABLE CATCHMENT AREA = 7630m² (0.763ha)
- 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.

Rev.	Description	By	Chk	App
P03	UPDATES TO DRAINAGE NETWORK AND ANNOTATIONS.	JD	BW	BW
P02	REVISIONS AS PER ATKINSREALIS COMMENTS.	PY	BW	JB
P01	STAGE 3 ISSUE.	PY	BW	JB

Client:



Project:
YSGOL RHYD Y GRUG

Drawing Title:
PROPOSED DRAINAGE LAYOUT (SHEET 1 OF 4)

Drawing No.
RYG CAM ZZ XX DR C 1101

Project Originator Vol. Level Type Role Number

Status: SS PRELIMINARY Scale @A1: 1:100 Rev. P03

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