55m² AREA OF LOADING BAY PROPOSED TO BE ADOPTED NOT CONSIDERED AND TO DRAIN VIA HIGHWAY DRAINAGE SYSTEM AS PER EXISTING CASE

PHASE A ATTENUATION TANK
NET VOLUME = 158 m³

AREA = 140 m²
DEPTH = 1.2 m
VOID RATIO = 95%

PHASE A BLUE ROOF
NET VOLUME = 89 m³

BLUE ROOF AREA = 940 m²
100mm SYSTEM @ 95% VOID RATIO

EX. FW MANHOLE 5+ m DEEP

RWP'S FROM DEVELOPMENT TO DISCHARGE WITHIN UPPER LANDSCAPED AREAS

NEW OUTFALL TO SERVE PHASE A INSTALLED WITH HYDRO-BRAKE SET TO 1.9 l/s. DISCHARGING THROUGH RETAINING WALL TO SUDS FEATURE ABOVE GROUND.

56m² AREA OF LOADING BAY PROPOSED TO BE ADOPTED NOT CONSIDERED AND TO DRAIN VIA HIGHWAY DRAINAGE SYSTEM AS PER EXISTING CASE

EX SW MANHOLE
IL = 31.440 (T.B.C)

TO BE INSTALLED WITH HYDRO-BRAKE TO RESTRICT FLOWS FROM PHASE A TO 2.1 l/s
CHAMBER POTENTIALLY TO BE RECONSTRUCTED TO ALLOW INSTALLATION

NET VOLUME = 13.2 m³
25m² OF SWALE
550mm OF 30% VOID RATIO MATERIAL VIA BIO-RETENTION SOIL AN GRANULAR MATERIAL FOR ATTENUATION STORAGE.

78m² OF PERMEABLE PAVING:
400mm OF GRANULAR MATERIAL WITH MIN. 30% VOID RATIO FOR ATTENUATION STORAGE

EX FW MANHOLE
TO BE PICKED UP AND SERVED AS PART OF PHASE A DEVELOPMENT

FILE LOCATION PATH: P:\PROJECTS HOT\3341 IQ WESTON HALLS & PENDULUM CONFERENCE CENTRE, MANCHESTER\004 BIM\CIVILS\DRAWINGS\3341-CIV-XX-XX-D-C-30001_DRAINAGE LAYOUT PHASE A.DWG

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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NOTES

1. THIS DRAWING IS PART OF A INFORMATION RELEASE SHOWING THE DRAINAGE STRATEGY TO SERVICE THE PROPOSED DEVELOPMENT.
2. THE PROPOSAL IS SUBJECT TO FURTHER DETAILED DESIGN DEVELOPMENT.

DESIGN NOTES

1. DRAINAGE DESIGNED IN ACCORDANCE WITH TO BS EN 752 & CURRENT BUILDING REGULATIONS PART 'H'
2. PIPES TO HAVE CLASS Z BEDDING WHERE LOCATED LESS THAN 0.6m BELOW FINISHED GROUND
3. UNDER BUILDING ALL DRAINAGE COMPONENTS USED ARE TO HAVE A 60 YEAR DESIGN LIFE.
4. ALL DRAINAGE DROP-POINTS TO HAVE RODDING ACCESS POINTS AT GROUND FLOOR LEVEL.
5. DRAINAGE MAY REQUIRE CO-ORDINATION WITH BELOW GROUND SERVICES.
6. DRAINAGE DESIGNED TO NOT FLOOD IN THE 1-IN-100-YEAR + 45% CC STORM EVENT
7. THIS DRAWING WAS PRODUCED USING THE FOLLOWING INFORMATION:
   - 7.1. TOPOGRAPHICAL SURVEY DRAWING 'SSL:13441A' BY SURVEY SYSTEMS, DATED FEB 2022
   - 7.2. PROPOSED LANDSCAPE LAYOUT '3489-PLA-XX-XX-DR-L-0001-General Arrangement Plan' BY PLANIT, DATED 07.11.2025

LEGEND

- PROPOSED BLUE ROOF
- PROPOSED BIO SOLAR ROOF
- PROPOSED GREEN ROOF
- PROPOSED BELOW GROUND ATTENUATION TANK
- PROPOSED GREEN SuDS FEATURES (RAIN GARDENS/ SWALES)
- PROPOSED PERMEABLE PAVING
- PROPOSED SURFACE WATER DRAIN
- EXISTING SURFACE WATER DRAIN
- EXISTING FOUL WATER DRAIN
- EXISTING COMBINED WATER SEWER

DATE	REV	DESCRIPTION	DRAWN	CHKD
11.12.12	P02	UPDATED BASED ON LATEST LAYOUTS	JK	KW
20.11.25	P01	STAGE 2 ISSUE	JK	KW

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PROJECT

IQ WESTON HALL AND
PENDULUM CONFERENCE CENTRE
MANCHESTER

TITLE

BELOW GROUND DRAINAGE LAYOUT
SHEET 1
PHASE A

DRAWING STATUS	STATUS CODE
RIBA STAGE 2	-

CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED
3341	1:250	NOV 25	JK	KW

DRAWING No.	REV
3341-CIV-XX-XX-D-C-30001	P02