Sheet ACAD - A1 rev. C

N

0 1000 2000 3000 4000 5000 mm

SCALE 1:100

FLOW CONTROL REF	COVER LEVEL (m)	INVERT LEVEL (m)	ORIFICE SIZE (mm)	FLOW RATE (l/s)
MHSW06	83.000	81.900	20	0.5

PROPOSED PLANTING SCHEDULE

YELLOW FLAG IRIS (IRIS PSEUDOCORUS)

PENDULOUS SEDGE (CAREX PENDULA)

PURPLE LOOSESTRIFE (LYTHRUM SALICARIA)

WATER MINT (MENTHA AQUATIC)

HEMP AGRIMONY (EUPATORIUM CANNABINUM)

RAGGED ROBIN (LYCHNIS FLOS-CUCULI)

MARSJ WOUNDWORT (STACHYS PALUSTRIS)

SOFT RUSH (JUNCUS EFFUSU)

ROYAL FERN (OSMUNDA REGALIS)

BUGLE (AJUGA REPTANS)

CHIVES (ALLIUM SCHOENOPRASUM)

EXISTING SURFACE WATER SEWER AS INDICATED BY CCTV REPORT (REF: UM24-2949-EVA). ANY REPAIRS/DESILTING REQUIRED AS RECOMMENDED WITH CCTV REPORT TO BE CARRIED OUT PRIOR TO NEW CONNECTION BEING MADE.

EXSWMH01
CL:82.820
IL:81.740

Existing carpark

MHSW06 (FC)
CL:83.000
IL:81.900

1500 @ 2.94

15.000

1500 @ 1.20

DEPTH OF CRATES = 0.4M
REFER TO 20851_501_R01
FOR FURTHER DETAILS

MHSW05
CL:83.150
IL:81.950

6.000

1500 @ 1.19

FURTHER INVESTIGATION REQUIRED TO CONFIRM THAT EXISTING SURFACE WATER SEWER IN LOCATION OF PROPOSED ATTENUATION TANK IS REDUNDANT. IF NOT REDUNDANT, EXISTING SURFACE WATER SEWER TO BE DIVERTED AROUND PROPOSED CRATE ACCORDINGLY.

MHSW07
CL:83.100
IL:82.400

1500 @ 2.92

MHSW01
CL:83.100
IL:82.400

1500 @ 1.48

MHFW01
CL:83.150
IL:82.200

1000 @ 1.50

MHFW02
CL:83.200
IL:82.115

MHSW02
CL:83.150
IL:82.340

1000 @ 1.40

1000 @ 1.40

MHFW03
CL:83.150
IL:82.185

MHFW04
CL:83.010
IL:81.740

1000 @ 1.13

1500 @ 1.44

1000 @ 1.39

FFL 83.300 (TBC)

MHSW04
CL:83.100
IL:82.055

1500 @ 1.00

1500 @ 1.00

Proposed new path

CCTV REPORT (REF: UM24-2949-EVA) INDICATED THIS AS AN EXISTING FOUL WATER SEWER, HOWEVER FURTHER INVESTIGATION HAS BEEN ADVISED TO CONFIRM THIS.

EXFWMH01
CL:83.080
IL:81.530

MHSW03
CL:83.100
IL:82.230

+83.150

RWP

DC

RS

DRAINAGE LEGEND

- 1000 @ 1:40 / 1500 @ 1:150 — PROPOSED FOUL WATER DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- RWP — PROPOSED RAINWATER PIPE
- FLOW CONTROL CHAMBER
- ACO DRAINAGE CHANNEL (SO / RA) — PROPOSED ACO MD100 DRAINAGE CHANNEL
- GEO-CELLULAR TANK 1 IN 100 YEAR EVENT WITH ACCESS POINTS
- +11.300 — PROPOSED SPOT LEVEL
- EXISTING SURFACE WATER DRAINAGE
- EXISTING FOUL WATER DRAINAGE
- RAINGARDEN WITH PERFORATED PIPE UNDERDRAIN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
4. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
6. EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.
7. ANY WORKS COMMENCING ON SITE PRIOR TO PLANNING, HIGHWAY & DRAINAGE APPROVALS BEING GRANTED IS UNDERTAKEN IS AT THE DEVELOPER'S OWN RISK
8. TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM UTILITY MAPPING DRG NO. UM24-2949-EVA DATED DECEMBER 2024.

PRELIMINARY

rev.	drawn	chkd.	apprvd.	date	description
01	CT	JP	PG	27.01.25	PRELIMINARY ISSUE

Client
WERNICK

Project
YSGOL MORGAN LLWYD

Title
PROPOSED DRAINAGE LAYOUT

Vale Consultancy
CONSULTING CIVIL & STRUCTURAL ENGINEERS
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date	drawn	checked		approved	
JAN 2025	CT	JP	27.01.25	PG	27.01.25

scale @ A1	project no.
1:100	20851

status	drg. no.	rev.
P	20851_500	01

DRAWING STATUS
A - Approval, AB - As-Built, C - Construction, D - Draft, P - Preliminary, T - Tender

ORIGINAL DRAWING SIZE 841 x 594

10 0 10 20 50 100mm NATURAL SCALE

A1