OS GRID REFERENCE
388988.375629

BRP As-Built drainage drawing 3829-EW06 Rev P used a base.

Existing Soakaways. Refer to BRP As-Built drawing 3829-EW06 Rev P for drainage schedule.
Soakaway req size - 12000
Soakaway pit size - 5.00m (l) 5.50m (w) 4 soakaway pits in total

Treated foul flows to discharge to existing soakaway system located adjacent 3G synthetic pitch via the 225Ø carrier drain. Soakaway system is located approximately 100m to the north east of the new modular building.

Proposed attenuation crates to be Polystorm PSM1A or similar approved.
5.50m x 4.00m x 1.2m deep = 40.80m³
Minimum volume required = 43.32m³
Considering 95% void ratio
Attenuation has been designed based on the 1 in 100 year plus 40% climate change storm event.
Crates to be constructed in strict accordance with manufacturers guidance.
Infiltration rate of 0.144713 m/h has been used based on soakaway test results from Brownfield Solutions Ltd test WS102 from Report JL-DS5979/1083

Maximum foul flow rate of 0.047 l/s discharging from the new building to Ex MH06

Trivel Sewage Treatment Plant UK50 Tank.

Drainage Channel to be ACO MD100 and fitted with sump lock unit

All Drainage Channels to be ACO MD100.

Existing light column to be relocated.

Silt Trap

Notes-

This drawing is copyright and must not be copied in part or in whole unless agreed with Avie Consulting Ltd

All dimensions are in millimetres unless noted otherwise

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK

1. All dimensions & levels to be checked by the contractor prior to commencement of work, any discrepancy shall be reported immediately to Avie Consulting Ltd
2. All work shall be carried out in accordance with Local Authority, statutory authority, health & safety requirements and regulations.
3. The drawings shall be read in accordance with all other contract documents relevant at that time of issue and during the period of the contract.
4. The contractor must ensure the overall stability of the works is adequate at all stages of the construction.
5. No allowance has been made for cutouts, holes, notches, etc. for services. All of these are to be agreed prior to the start of the works.

PRIVATE DRAINAGE KEY-

- PPIC — PROPOSED SURFACE WATER SEWER/INSPECTION CHAMBER
- PPIC — PROPOSED FOUL WATER SEWER/INSPECTION CHAMBER
- RAIN WATER PIPE (CONNECTION PIPE 110Ø)
- TRAPPED POLYPROPYLENE ROAD GULLY (CONNECTION PIPE 110Ø)
- RODDING EYE
- DRAINAGE CHANNEL
- SOIL PIPE (CONNECTION PIPE 110Ø) NOTE: HEAD OF ALL FOUL RUNS AND EVERY 6 PLOTS TO BE VENTED
- BACK INLET GULLY (CONNECTION PIPE 110Ø)

Internal SVP/SS and gulley locations subject to final locations provided by Modulek. RWP location subject to above ground drainage proposals.

Retain existing access to front of building and tie in with new external works proposals.

Surface water drainage proposals subject to soakaway testing.

Any existing live services will require diverting to accommodate future development if any present.

Internal foul connections penetrating radon barrier to be fitted with Visqueen top hat connection in accordance with manufacturer's guidance.

Foul flows discharging to ground subject to LLFA approval. A gravity system discharging to existing public foul sewer/private foul drain cannot be achieved.

Proposed foul flows from new building equates to 4.03m³ per day (0.047 l/s) confirmed by Hadon.

In preparing "AS-BUILT" record drawings Avie has relied upon information provided by the contractor. Avie has not been appointed to supervise the works and accepts no responsibility for the accuracy of the records.

Rev	Details	By	Chk	Date
H	Drawing amended to As-Built.	T.C.	T.C.	23.10.2026
G	Drawing size amended to show outfall location. Existing MH06 IL confirmed. Notes added.	T.C.	T.C.	08.10.2026
F	Foul ILs amended. Additional notes added.	T.C.	T.C.	18.08.2026
E	Surface water to rear of building amended. MH schedule amended.	J.C.	T.C.	11.05.2026
D	Amended MHF03,MHF05 and MHF08	J.C.	T.C.	06.05.2026
C	Amended to new drainage pop-ups	J.C.	T.C.	01.05.2026
B	Drainage amended	J.C.	T.C.	29.04.2026
A	Amended to Brownfield Solutions' infiltration report	J.C.	T.C.	24.04.2026
Ø	Initial issue	J.C.	T.C.	01.04.2026

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Client: Modulek

Project: Colliers Park, Wrexham

Title: Foul and Surface Water Drainage Layout

Drawn:	Checked:	Date:	Scale:	Original dwg size
J.C.	T.C.	April 2026	1:200	A0

Drawing Number: P4920-01 Rev: H