OS GRID REFERENCE 388938,375529

FL 76.55

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.

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)

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.

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 attenuation crates to be Polystorm PSM1A or similar approved.
9.50m x 4.00m x 1.2m deep = 45.60m³
Minimum volume required = 43.32m³
(Considering 95% volit ratio)
The 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 0.14472 m/h has been used based on soakaway test results from Brownfield Solutions Ltd test WS103 from Report JL/C6579/15383.

All Drainage Channels to be ACO MD100.

Drainage Channel to be ACO MD100 and fitted with sump box unit .

Existing light column to be relocated.

Tricel Sewage Treatment Plant UK50 Tank.

Silt Trap

Line and level of existing chamber requires investigation.

MH S04 CL: 76.440 IL: 75.790

MH S05 CL: 76.650 IL: 75.000

MH F01 CL: 76.760 IL: 76.010

MH F02 CL: 76.760 IL: 75.801

MH F03 CL: 76.760 IL: 75.651

MH F04 CL: 76.760 IL: 75.624

MH S01 CL: 76.400 IL: 75.680

MH F05 CL: 76.760 IL: 75.554

MH F06 CL: 76.610 IL: 75.380

MH S02 CL: 76.400 IL: 75.420

MH F07 CL: 76.760 IL: 75.356

MH F08 CL: 76.760 IL: 75.311

MH F09 CL: 76.760 IL: 76.010

MH F10 CL: 76.760 IL: 75.902

MH F11 CL: 76.760 IL: 75.875

MH F12 CL: 76.760 IL: 75.831

MH F13 CL: 76.760 IL: 75.796

MH F14 CL: 76.760 IL: 75.227

MH S03 CL: 76.650 IL: 75.235

EX MH CL: 76.310 IL: 74.800

ST03 76.580

ST04 76.483

Rev	Details	By	Chk	Date
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

AVIE CONSULTING LTD
6 Killingbeck Court,
Killingbeck Office Village,
Killingbeck Drive,
Leeds LS14 6FD.
Tel: 0113 249 7416
www.avie-consulting.co.uk

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	A1

Drawing Number: P4920-01 Rev: F