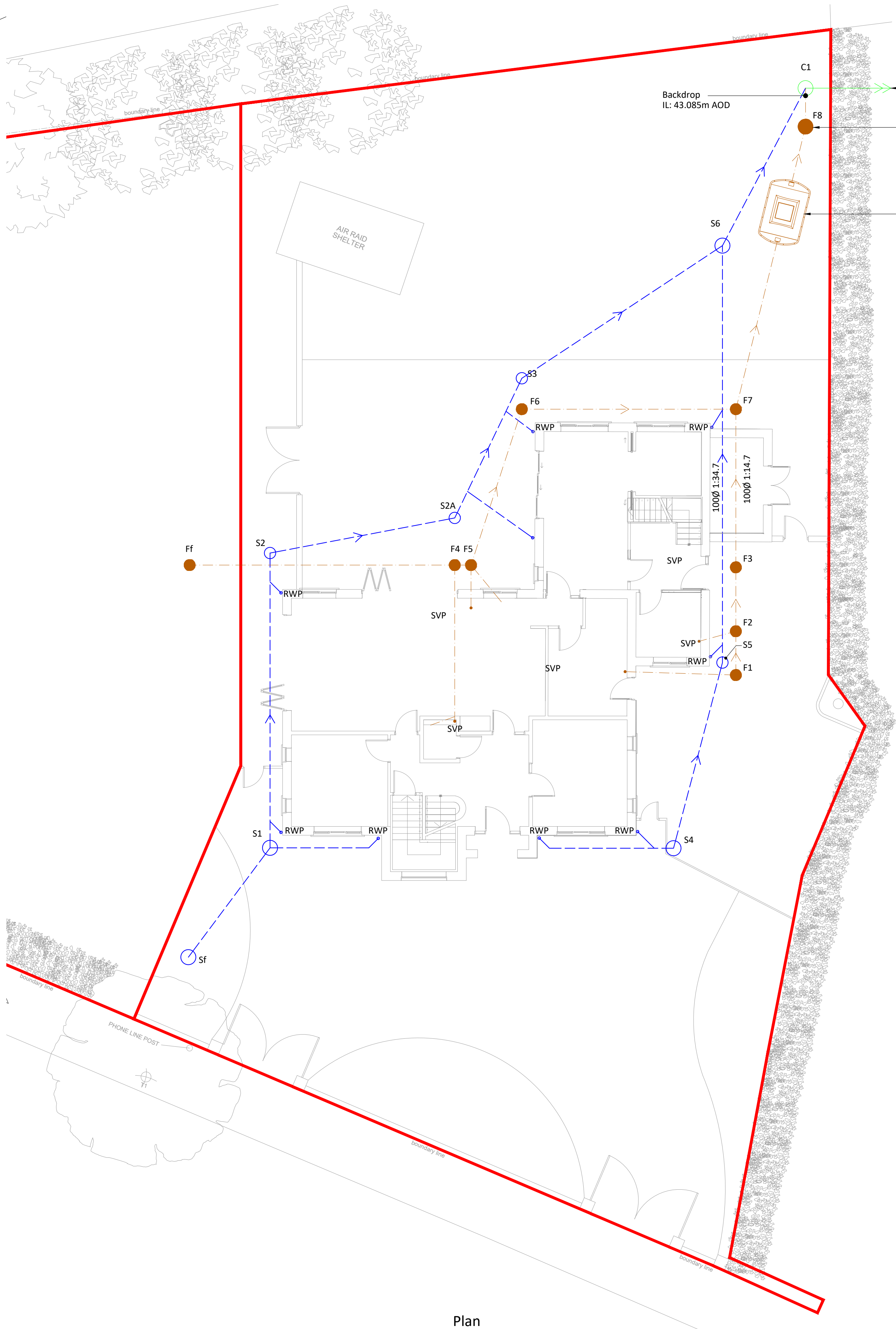
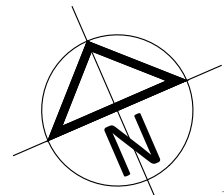




Plan
Scale 1:100

Proposed Surface Water Manhole Table

MH ref	MH CL, m	MH IL, m	MH Depth, m	Incoming Pipe Size (mm)	Incoming Pipe IL (mm)	MH Dia, m	MH Type	MH Cover
Sf	44.400	43.200	1.200	150	43.200	0.60	Type 3	D400
S1	44.400	43.146	1.254	150	43.146	0.60	Type 3	D400
S2	44.400	43.028	1.372	150	42.953	0.45	Type 1	B125
S2A	44.400	42.953	1.447	150	42.892	0.45	Type 1	B125
S3	44.400	42.892	1.508	150	42.892	0.45	Type 1	B125
S4	44.400	43.350	1.050	150	43.350	0.60	Type 3	D400
S5	44.400	43.274	1.126	150	43.274	0.45	Type 1	B125
S6	45.160	42.796	2.365	150	42.796	0.60	Type 3	B125
				150	42.796			

Proposed Foul Manhole Table

MH Ref	MH CL, m	MH IL, m	MH Depth, m	Incoming Pipe Size (mm)	Incoming Pipe IL (mm)	MH Dia, m	MH Type	MH Cover
F1	44.400	43.700	0.700	100	43.700	0.45	TYPE 1	B125
F2	44.400	43.678	0.722	100	43.678	0.45	TYPE 1	B125
F3	44.400	43.648	0.752	100	43.648	0.45	TYPE 1	B125
Ff	44.400	43.550	0.850	100	43.550	0.60	Type 3	B125
F4	44.400	43.418	0.982	100	43.418	0.45	TYPE 1	B125
F5	44.400	43.409	0.991	100	43.409	0.45	TYPE 1	B125
F6	44.400	43.325	1.075	100	43.325	0.45	TYPE 1	B125
F7	44.400	43.219	1.182	100	43.219	0.45	TYPE 1	B125
				100	43.219			
F8	45.200	43.104	2.096	100	43.104	0.60	TYPE 3	B125

Proposed Combined Manhole Table

MH Ref	MH CL, m	MH IL, m	MH Depth, m	Incoming Pipe Size (mm)	Incoming Pipe IL (mm)	MH Dia, m	MH Type	MH Cover
C1	45.200	42.725	2.475	100	43.085	0.60	TYPE 3	B125
				150	42.725			

Note

All proposed cover levels are based on proposed FFL less 250mm around perimeter of the building, and existing external levels as per Holden Surveys Ltd Topographical Survey drawing JWMA_096_Denbigh Rev - dated 14/02/2025. All levels TBC once proposed level information is available and prior to commencement on site.

Existing watercourse levels TBC prior to construction to ensure adequate depth for discharge is available.

Drainage Run Gradients

All surface water drain runs to be 150Ø 1:100 UNO

All foul water drain runs to be 100Ø 1:80 UNO

All RWP's connecting into MH system to be 100Ø in minimum 1:100 gradient.

All pop up waste locations to be confirmed by Architect.

All RWP locations to be confirmed by Architect.

Key

- Existing Surface Water Drainage
- Existing Foul Water Drainage
- Existing Combined Water Drainage
- Proposed Surface Water Drainage
- Proposed Foul Water Drainage
- Proposed Combined Water Drainage
- Proposed Surface Water Drainage Channel
- RWP Proposed Rainwater Pipe
- SVP Proposed Soil Vent Pipe/Waste Pop Up
- Site Boundary

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A1

Drainage & Pipe Laying Notes

- Design subject to review following receipt of further drainage survey information.
- Existing drainage information based on Holden Surveys Ltd Topographical Survey drawing JWMA_096_Denbigh Rev - dated 14/02/2025.
- All work is to be undertaken in accordance with the following standards;
BS EN 1610:2015 - Construction & Testing of Drains & Sewers.
Building Regulations Document Part H.
- All pipe laying works are to proceed upstream unless noted otherwise.
- All drainage runs shall be completed in advance of the external works.
- Manhole locations where full setting out is not provided shall be fixed at the best location that suits the criteria indicated on the drawings (i.e. pipe gradients, lengths, incoming connections). Such manholes shall have their placement confirmed to the contract administrator.
- Flows into the network should be avoided until the outfalls are established. If water entry is unavoidable prior to this, a sump should be constructed to be pumped out as required.
- Existing invert levels at final discharge points to be checked prior to construction.
- Where additional connections to the network are instructed by others (or shown on their drawings) such connections shall not be made without confirmation from the contract administrator.
- Any existing pipes, french drains, streams or water entries encountered during pipe laying or elsewhere within the contract boundary should be reported to the contract administrator immediately.
- Manhole cover and frame to suit manhole/inspection chamber Ø, in accordance with EN 124.
- Concrete pipes to comply with the requirements of BS 5911 and to be flexibly jointed.
- Plastic pipes and fittings to the following;
UPVC - to BS EN 1401
Polypropylene - to BS EN 1852
- Clay pipes to be vitrified clay extra strength, plain end pipes and fittings with plastic sleeve joints to BS 65:1981.
- Pipes and fittings are to be laid in accordance with manufacturers recommendations.
- Pipe work beneath buildings to have concrete bed and surround.
- Where cover to adopted pipes is less than 1200mm and 900mm to private pipes in roads and hard standings concrete protection is to be provided. All drain runs near buildings shall also receive concrete protection - refer to details.
- Where surface water pipes cross foul water pipes both pipes to have concrete bed, surround and infill between.
- All pipe trenches shall have selected excavated material for backfill, except for those which pass beneath any buildings or external pavements which shall have type 2 material for backfill.
- Until final surface is placed, heavy traffic is not to be allowed over pipe trenches without special provisions
- All landscaping, footpaths and street furniture to Architects specification and details.

Revised to reflect scheme change.	A	24/03/26	KA	LA
DESCRIPTION	REV	DATE	CHK	APR

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PROJECT
**Denbigh
Pex Hill, Cronton**

DRAWING TITLE
**Proposed Drainage
General Arrangement**

CLIENT
Mr Araz Athar

STATUS
Information

DRAWN LA	DATE 25/02/2025
CHECKED KA	SCALE AS SHOWN @ A1
APPROVED KA	REVISION A
DRAWING NUMBER LACE-DP-25-031-500	