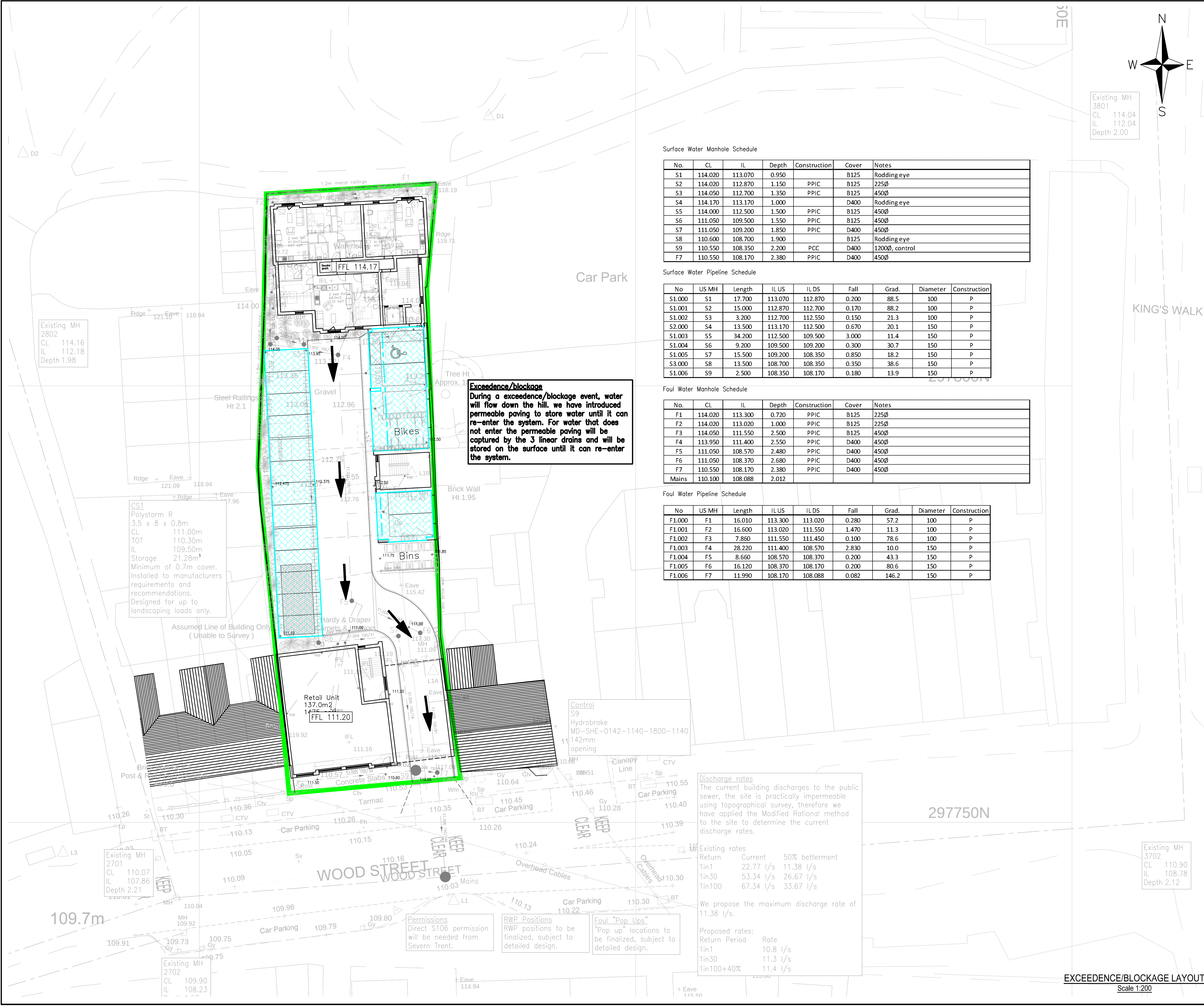




Surface Water Manhole Schedule

No.	CL	IL	Depth	Construction	Cover	Notes
S1	114.020	113.070	0.950		B125	Rodding eye
S2	114.020	112.870	1.150	PPIC	B125	225Ø
S3	114.050	112.700	1.350	PPIC	B125	450Ø
S4	114.170	113.170	1.000		D400	Rodding eye
S5	114.000	112.500	1.500	PPIC	B125	450Ø
S6	111.050	109.500	1.550	PPIC	B125	450Ø
S7	111.050	109.200	1.850	PPIC	D400	450Ø
S8	110.600	108.700	1.900		B125	Rodding eye
S9	110.550	108.350	2.200	PCC	D400	1200Ø, control
F7	110.550	108.170	2.380	PPIC	D400	450Ø

Surface Water Pipeline Schedule

No	US MH	Length	IL US	IL DS	Fall	Grad.	Diameter	Construction
S1.000	S1	17.700	113.070	112.870	0.200	88.5	100	P
S1.001	S2	15.000	112.870	112.700	0.170	88.2	100	P
S1.002	S3	3.200	112.700	112.550	0.150	21.3	100	P
S2.000	S4	13.500	113.170	112.500	0.670	20.1	150	P
S1.003	S5	34.200	112.500	109.500	3.000	11.4	150	P
S1.004	S6	9.200	109.500	109.200	0.300	30.7	150	P
S1.005	S7	15.500	109.200	108.350	0.850	18.2	150	P
S3.000	S8	13.500	108.700	108.350	0.350	38.6	150	P
S1.006	S9	2.500	108.350	108.170	0.180	13.9	150	P

Foul Water Manhole Schedule

No.	CL	IL	Depth	Construction	Cover	Notes
F1	114.020	113.300	0.720	PPIC	B125	225Ø
F2	114.020	113.020	1.000	PPIC	B125	225Ø
F3	114.050	111.550	2.500	PPIC	B125	450Ø
F4	113.950	111.400	2.550	PPIC	D400	450Ø
F5	111.050	108.570	2.480	PPIC	D400	450Ø
F6	111.050	108.370	2.680	PPIC	D400	450Ø
F7	110.550	108.170	2.380	PPIC	D400	450Ø
Mains	110.100	108.088	2.012			

Foul Water Pipeline Schedule

No	US MH	Length	IL US	IL DS	Fall	Grad.	Diameter	Construction
F1.000	F1	16.010	113.300	113.020	0.280	57.2	100	P
F1.001	F2	16.600	113.020	111.550	1.470	11.3	100	P
F1.002	F3	7.860	111.550	111.450	0.100	78.6	100	P
F1.003	F4	28.220	111.400	108.570	2.830	10.0	150	P
F1.004	F5	8.660	108.570	108.370	0.200	43.3	150	P
F1.005	F6	16.120	108.370	108.170	0.200	80.6	150	P
F1.006	F7	11.990	108.170	108.088	0.082	146.2	150	P

Exceedence/blockage
During a exceedence/blockage event, water will flow down the hill. we have introduced permeable paving to store water until it can re-enter the system. For water that does not enter the permeable paving will be captured by the 3 linear drains and will be stored on the surface until it can re-enter the system.

Discharge rates
The current building discharges to the public sewer, the site is practically impermeable using topographical survey, therefore we have applied the Modified Rational method to the site to determine the current discharge rates.

Return	Current	50% betterment
1in1	22.77 l/s	11.38 l/s
1in30	53.34 l/s	26.67 l/s
1in100	67.34 l/s	33.67 l/s

We propose the maximum discharge rate of 11.38 l/s.

Proposed rates:

Return Period	Rate
1in1	10.8 l/s
1in30	11.3 l/s
1in100+40%	11.4 l/s

EXCEEDENCE/BLOCKAGE LAYOUT
Scale 1:200

DO NOT SCALE
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NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DWS DRAWINGS, CALCULATIONS, REPORTS AND SPECIFICATIONS (WHERE APPLICABLE) AND, ALL OTHER RELEVANT ENGINEERS, ARCHITECTS & SPECIALIST DESIGN DETAILS.

2. STANDARD NOTES & DETAILS:
Refer to drawing number 0-170 onwards for standard notes - CIVIL
Refer to drawing number 0-180 onwards for standard details - CIVIL

SCALE BAR TEST
1:200 12m @ 1:200 1:200
All dimensions to be verified by accurate site measurement prior to commencing work or ordering materials.

KEY

- Surface Water Pipe (Private)
- Surface Water Pipe (Perforated)
- Surface Water Chamber (Private)
- Rodding Eye
- Linear Drain
- Attenuation Tank
- Permeable Paving
- Fin Drain
- Foul Water Pipe (Private)
- Foul Water Chamber (Private)
- Existing Combined Water Sewer
- Site Boundary

P1	First issue	16.12.25	LM
Ref	Revision	Date	By

NOT FOR CONSTRUCTION

PRELIMINARY

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Project Title
68 WOOD STREET, EARL SHILTON

Drawn LM	Engineer LM	Checked BP
Scale at 1:200 @ A1		Date DEC 2025

Drawing Title
EXCEEDENCE/BLOCKAGE LAYOUT

Project No. 25-22559	Drawing No. 0-501	Revision P1
BIM Code		