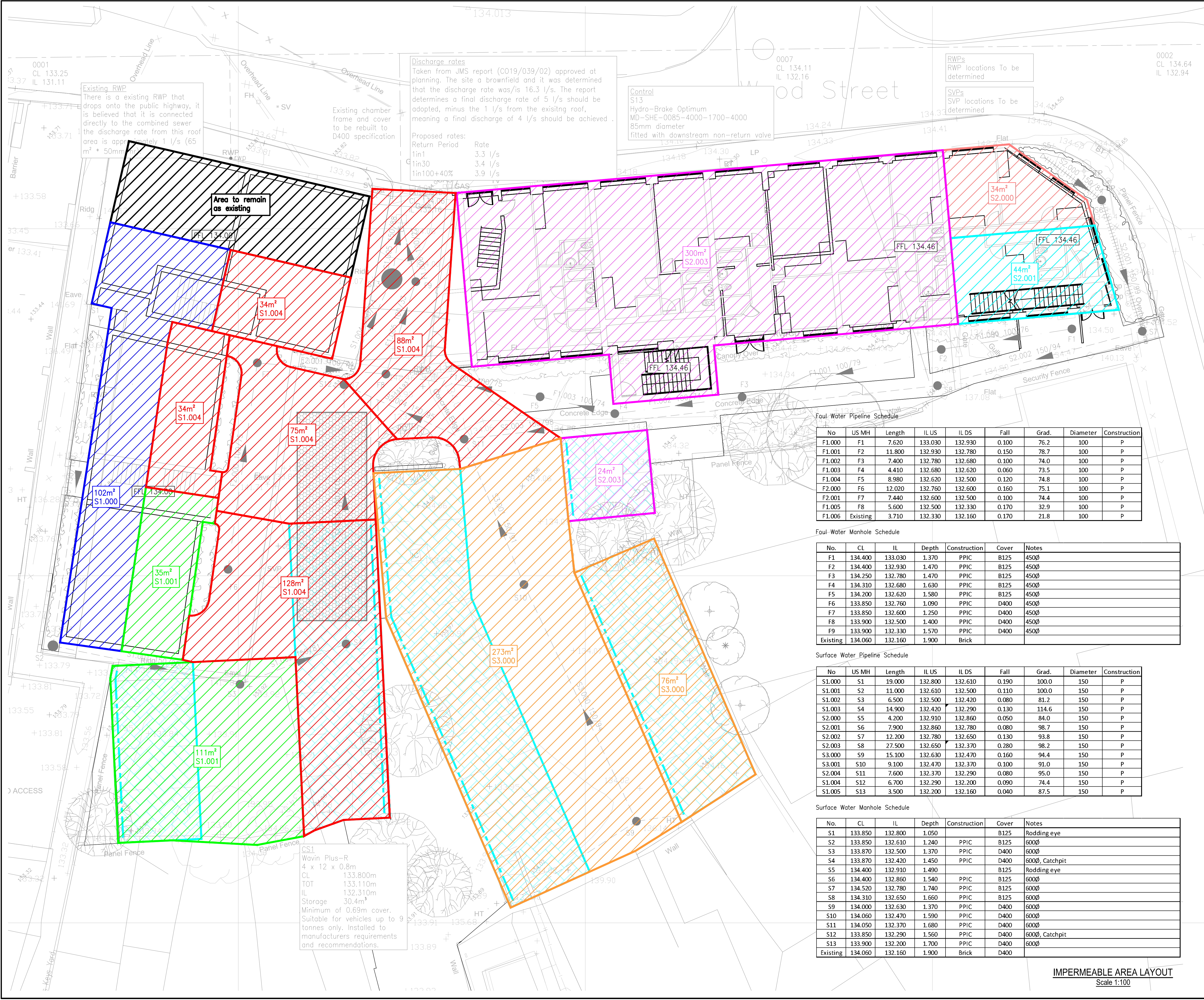




Discharge rates
Taken from JMS report (C019/039/02) approved at planning. The site a brownfield and it was determined that the discharge rate was/is 16.3 l/s. The report determines a final discharge rate of 5 l/s should be adopted, minus the 1 l/s from the existing roof, meaning a final discharge of 4 l/s should be achieved.

Proposed rates:

Return Period	Rate
1in1	3.3 l/s
1in30	3.4 l/s
1in100+40%	3.9 l/s

Control
S13
Hydro-Brake Optimum
MD-SHE-0085-4000-1700-4000
85mm diameter
fitted with downstream non-return valve

Existing RWP
There is a existing RWP that drops onto the public highway, it is believed that it is connected directly to the combined sewer the discharge rate from this roof area is approximately 1 l/s (65 m² x 50mm/min)

Area to remain as existing

CS1
Wavin Plus-R
4 x 12 x 0.8m
CL 133.800m
TOT 133.110m
IL 132.310m
Storage 30.4m³
Minimum of 0.69m cover.
Suitable for vehicles up to 9 tonnes only. Installed to manufacturers requirements and recommendations.

No	US MH	Length	IL US	IL DS	Fall	Grad.	Diameter	Construction
F1.000	F1	7.620	133.030	132.930	0.100	76.2	100	P
F1.001	F2	11.800	132.930	132.780	0.150	78.7	100	P
F1.002	F3	7.400	132.780	132.680	0.100	74.0	100	P
F1.003	F4	4.410	132.680	132.620	0.060	73.5	100	P
F1.004	F5	8.980	132.620	132.500	0.120	74.8	100	P
F2.000	F6	12.020	132.760	132.600	0.160	75.1	100	P
F2.001	F7	7.440	132.600	132.500	0.100	74.4	100	P
F1.005	F8	5.600	132.500	132.330	0.170	32.9	100	P
F1.006	Existing	3.710	132.330	132.160	0.170	21.8	100	P

No.	CL	IL	Depth	Construction	Cover	Notes
F1	134.400	133.030	1.370	PPIC	B125	4500
F2	134.400	132.930	1.470	PPIC	B125	4500
F3	134.250	132.780	1.470	PPIC	B125	4500
F4	134.310	132.680	1.630	PPIC	B125	4500
F5	134.200	132.620	1.580	PPIC	B125	4500
F6	133.850	132.760	1.090	PPIC	D400	4500
F7	133.850	132.600	1.250	PPIC	D400	4500
F8	133.900	132.500	1.400	PPIC	D400	4500
F9	133.900	132.330	1.570	PPIC	D400	4500
Existing	134.060	132.160	1.900	Brick		

No	US MH	Length	IL US	IL DS	Fall	Grad.	Diameter	Construction
S1.000	S1	19.000	132.800	132.610	0.190	100.0	150	P
S1.001	S2	11.000	132.610	132.500	0.110	100.0	150	P
S1.002	S3	6.500	132.500	132.420	0.080	81.2	150	P
S1.003	S4	14.900	132.420	132.290	0.130	114.6	150	P
S2.000	S5	4.200	132.910	132.860	0.050	84.0	150	P
S2.001	S6	7.900	132.860	132.780	0.080	98.7	150	P
S2.002	S7	12.200	132.780	132.650	0.130	93.8	150	P
S2.003	S8	27.500	132.650	132.370	0.280	98.2	150	P
S3.000	S9	15.100	132.630	132.470	0.160	94.4	150	P
S3.001	S10	9.100	132.470	132.370	0.100	91.0	150	P
S2.004	S11	7.600	132.370	132.290	0.080	95.0	150	P
S1.004	S12	6.700	132.290	132.200	0.090	74.4	150	P
S1.005	S13	3.500	132.200	132.160	0.040	87.5	150	P

No.	CL	IL	Depth	Construction	Cover	Notes
S1	133.850	132.800	1.050		B125	Rodding eye
S2	133.850	132.610	1.240	PPIC	B125	6000
S3	133.870	132.500	1.370	PPIC	D400	6000
S4	133.870	132.420	1.450	PPIC	D400	6000, Catchpit
S5	134.400	132.910	1.490		B125	Rodding eye
S6	134.400	132.860	1.540	PPIC	B125	6000
S7	134.520	132.780	1.740	PPIC	B125	6000
S8	134.310	132.650	1.660	PPIC	B125	6000
S9	134.000	132.630	1.370	PPIC	D400	6000
S10	134.060	132.470	1.590	PPIC	D400	6000
S11	134.050	132.370	1.680	PPIC	D400	6000
S12	133.850	132.290	1.560	PPIC	D400	6000, Catchpit
S13	133.900	132.200	1.700	PPIC	D400	6000
Existing	134.060	132.160	1.900	Brick	D400	

IMPERMEABLE AREA LAYOUT
Scale 1:100

DO NOT SCALE

This drawing is the copyright protected intellectual property of Diamond Wood & Shaw Limited and is not to be used or reproduced in any way without our written permission.

- NOTES**
- 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.
 - 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
1:100 6m @ 1:100 1:100

All dimensions to be verified by accurate site measurement prior to commencing work or ordering materials.

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

P1 First issue 14.07.25 LM

Ref Revision Date By

Issue

PRELIMINARY

DWS
Consulting Engineers

Diamond Wood & Shaw Limited
The Old School • Babay Road • Enderby • Leicester • LE19 4AR
Tel: 0115 284 8800 • Email: mail@dwsl.co.uk

Project Title
WOOD STREET,
HINCKLEY

Drawn LM Engineer LM Checked BP
Scale at 1:100 @ A1 Date DEC 2024

Drawing Title
IMPERMEABLE AREA LAYOUT

Project No. 24-21614 Drawing No. 0-503 Revision P1
BIM Code

NOT FOR CONSTRUCTION