

174260N

463740E

463740E

463780E

Wigmore Lane

Sign

NOTE:

All SVP's are indicative only, to be confirmed by architect.

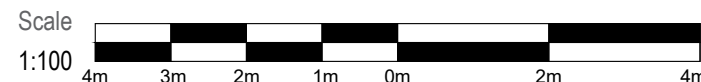
Cellular Infiltration (Soakaway)
Plan area = 7m²
Storage depth = 1.2m
Storage volume = 7.98m³ (95% Void Ratio)
Design Event = 1 in 100 years + 40%CC
Infiltration Value = 5.79 x 10⁻³m/sec = 0.208m/hr
(Based on estimated soil rate provided by Land Science report ref. LS8952)
Crate base level = 37.400
Crate Top level = 38.600

Cellular Infiltration (Soakaway)
Plan area = 10m²
Storage depth = 0.8m
Storage volume = 7.6m³ (95% Void Ratio)
Design Event = 1 in 100 years + 40%CC
Infiltration Value = 5.79 x 10⁻³m/sec = 0.208m/hr
(Based on estimated soil rate provided by Land Science report ref. LS8952)
Crate base level = 37.416
Crate Top level = 38.216

Proposed channel drain to intercept the surface runoff water from the parking area before entering on to the road.

Proposed Foul water from the new development discharges into the extended foul sewer, subject to approval from TW.

Drainage Key			
Private Surface Water		Private Foul Water	
Surface Water Manhole Text	CL 00.00 IL 00.00	Foul Water Manhole Text	CL 00.00 IL 00.00
Surface Water Pipe Diameter / Gradient	100/80	Foul Water Pipe Diameter / Gradient	100/80
Inspection chamber 480mm Ø >600mm Depth		Inspection chamber 480mm Ø >600mm Depth	
Rodding Eye	RE IL 00.00	Inspection chamber 225mm Ø 0-600mm Depth	
Rain Water Pipe	RWP	Foul Connection	SVP
Channel drain		Existing Foul Water Sewer	300mmØ
Cellular Attenuation		Existing Foul Water Manhole	Ex FW MH(7202) CL 39.88 IL 38.33
Impermeable paving		Existing Surface Water Sewer	225mmØ
Existing Surface Water Manhole		Existing Surface Water Manhole	Ex SW MH(7251) CL 39.770 IL 38.160
External works Proposed Level	00.000		
Finished Floor Level	FFL		
Underbuild with No. of Brick Courses	3C		
Steps	2st		



Surface Water Manhole Schedule							
Manhole Number	Manhole size (mm)	Cover Level	Invert Level	Pipe Diameter	Connections	Pipe No.	Manhole Cover Type
RE 01	-	-	38.500	100		1.000	-
MH 01	480	39.530	38.413	100		1.001	B125
MH 02 (Silt trap Chamber)	480	39.650	38.261	100		1.002	B125
RE 02	-	-	38.796	100		2.000	-
MH 03	480	39.200	38.643	100		2.001	B125
MH 04 (Silt Trap Chamber)	480	39.200	38.600	100		2.002	B125

Foul Water Manhole Schedule							
Manhole Number	Manhole size (mm)	Cover Level	Invert Level	Pipe Diameter	Connections	Pipe No.	Manhole Cover Type
MH 01	480	39.650	39.297	100		1.000	B125
MH 02	480	39.650	39.223	100		1.001	B125
MH 03	480	39.650	39.059	100		1.002	B125
MH 04	480	39.650	38.953	100		1.003	B125

P3	Updated Infiltration rate & Storage capacity	SP	SP	13.01.2025
P2	Updated Surface & Foul Strategy	SP	BN	09.12.2025
P1	Preliminary Issue	SP	BN	24.11.2025

Issue	Notes	Drawn	Approved	Date
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Project
90 Stone Street
Reading RG30 1HU

Drawing Title
Proposed Drainage
Layout (For New Build)

Project No.	Drawing No.	Issue
EX25/371/10	201	P3

PRELIMINARY