

Hydro Logic Services		Page 3
		rage 5
The Corner House		
18-20 West End Road		1 m
Mortimer RG7 3TF		Mirrn
Date 29/03/2018 18:28	Designed by aquigley	Drainage
File L0148 Soakaway dwelling	Checked by	Diamage
Micro Drainage	Source Control 2017.1	
10007		
Ra	infall Details	
D-1-6-11 (4-1		
Rainfall Mode Return Period (years		
FEH Rainfall Versio		
	on GB 366100 221600 SO 66100 21600	
Data Typ	catchment	
Summer Storn		
Winter Storm		
Cv (Summer		
Cv (Winter Chartest Sterm (min		
Shortest Storm (mins Longest Storm (mins		
Climate Change		
offind to offinitige		
Tin	ne Area Diagram	
Tota	al Area (ha) 0.026	
	me (mins) Area om: To: (ha)	
	0 4 0.026	
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Hydro Logic Services		Page 4			
The Corner House					
18-20 West End Road		4			
Mortimer RG7 3TF		- un			
Date 29/03/2018 18:28	Designed by aquigley				
File L0148 Soakaway dwelling	Checked by	Drainage			
Micro Drainage	Source Control 2017.1				
6					
1	Aodel Details				
Storage is O	nline Cover Level (m) 1.000				
Infiltrat	tion Trench Structure				
Infiltration Coefficient Base (r	n/hr) 0.01000 Trench Width (m) 5.0			
Infiltration Coefficient Side (r					
Safety Fa	actor 1.5 Slope (1:X osity 0.30 Cap Volume Depth (m) 0.000			
Invert Level	L (m) 0.000 Cap Infiltration Depth (m) 0.000			
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Dwellings Driveway

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Hydro Logic Servi	ces						Page 1
The Corner House		1					
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	au						
Mortimer RG7 3TF							Mirrn
Date 29/03/2018 1	8:21		Designed	by aqu:	igley		Desinar
File L0148 Soakaw	ay drivewa	y	Checked	by			Drainag
Micro Drainage			Source C		2017.1		-
-	2.12		100				
Summa	_		o <u>r 100 y</u> e in Time :			iod (+40%)	
	Storm	Max	Max	Max	es. Max	Status	
	Event		Depth Infi			Status	
	lvene	(m)	Contraction of the second seco	(1/s)	(m ³)		
		(,	()	(1)0)	()		
15	min Summer	0.329	0.329	0.4	14.8	ОК	
	min Summer				19.8		
	min Summer				25.1	ОК	
	min Summer				29.5	ОК	
	min Summer					Flood Risk	
	min Summer					Flood Risk	
	min Summer					Flood Risk	
	min Summer			0.5		Flood Risk	
	min Summer					Flood Risk	
	min Summer					Flood Risk	
	min Summer				33.4	Flood Risk	
	min Summer min Summer					O K	
	min Summer				28.5		
	min Summer				20.1		
	min Summer				19.2		
	min Summer				16.9		
	min Summer				15.1		
	min Summer				13.6		
	min Winter				16.6		
	Ste	orm	Rain	Flooded	Time-Pe	ak	
	Eve	ent		Volume	(mins)		
				(m³)			
	15 mi	n Summe	er 132.160	0.0		19	
	30 mi	n Summe	er 89.040	0.0		34	
			er 57.540			64	
			er 35.000			22	
			er 26.079			82	
			er 21.105			42	
			er 15.563			60	
			er 12.476			80	
			er 10.482			36	
		n Summe		0.0		96	
			er 7.210			22	
	1440 mi 2160 mi				9	84	
	2160 mi 2880 mi				14		
	2880 mi 4320 mi				25		
	4320 mi 5760 mi			0.0	34		
	7200 mi				41		
	8640 mi				41		
	10080 mi				56		
			er 132.160			19	
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The Corner Hou							(
18-20 West End							4
Mortimer RG7	NAMES OF STREET, STREE						
And a second state of the second	12 204 24 27			•			Micro
Date 29/03/2018 18:21		1	Designed	by aqu:	lgley		Drainag
File L0148 Soa	akaway drivew	ay 0	Checked	by			Diamac
Micro Drainage	e		Source C	ontrol 2	2017.1		
2001							
SI	ummary of Resu	ilts fo	r 100 ye	ar Retu	rn Per	iod (+40%)	
	Storm	and the second s	Мах	Max	Маж	Status	
	Event	Level I	Depth Infi				
		(m)	(m)	(1/s)	(m ³)		
	30 min Winter	0 101 0	101	0.4	22.2	ΟK	
	60 min Winter			0.4		OK	
	120 min Winter			0.5		Flood Risk	
	180 min Winter					Flood Risk	
	240 min Winter					Flood Risk	
	360 min Winter			0.5		Flood Risk	
	480 min Winter					Flood Risk	
	600 min Winter			0.5		Flood Risk	
	720 min Winter	0.882 0	0.882	0.5		Flood Risk	
	960 min Winter			0.5	38.5	Flood Risk	
	1440 min Winter	0.800 0	0.800	0.5	36.0	Flood Risk	
	2160 min Winter					Flood Risk	
	2880 min Winter				28.4	O K	
	4320 min Winter				22.7	O K	
	5760 min Winter				18.3	0 K	
	7200 min Winter 8640 min Winter				14.9	OK	
	10080 min Winter				12.3	ОК	
		orm		Flooded			
	EV	ent	(mm/nr)	Volume (m ³)	(mins)		
			r 89.040			33	
			r 57.540	0.0		62	
			r 35.000			20	
			r 26.079			80	
			r 21.105			38 52	
			r 15.563 r 12.476			62	
			r 10.482			70	
			r 9.077			70	
			r 7.210			58	
			r 5.198		10		
			r 3.734		15		
			r 2.960		19		
	4320 m	in Winte:	r 2.154	0.0	28	08	
			r 1.737		35		
			r 1.487		43		
		in Winte:			51		
	10080 m.	in Winte:	r 1.202	0.0	58	56	



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The Corner House		
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Mortimer RG7 3TF		1 mm
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	Source Control 2017.1	
Micro Drainage	Source control 2017.1	
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Return Period (years		
FEH Rainfall Versio		
	on GB 366100 221600 SO 66100 21600	
Data Typ Summer Storn		
Winter Storn		
Cv (Summer		
Cv (Winter	c) 0.840	
Shortest Storm (mins		
Longest Storm (mins		
Climate Change	% +40	
Tin	ne Area Diagram	
Tota	al Area (ha) 0.061	
	me (mins) Area om: To: (ha)	
	0 4 0.061	
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Storage is of	niine Cover Level (m) 1.000				
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Infiltration Coefficient Base (r					
Infiltration Coefficient Side (r					
Safety Fa	actor 1.5 Slope (1:X osity 0.30 Cap Volume Depth (m				
	1 (m) 0.000 Cap Infiltration Depth (m				
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Sheffield

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