Amazi Consulting Ltd	Page 2	
13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Soakaway (A = 1,000 sqm) FOS = 1.5	The same of the sa
Date 27 May 2014 File Teddington_soakaway.srcx	Designed by LSP Checked by PW	Drainage
Micro Drainage	Source Control 2014.1.1	

Summary of Results for 100 year Return Period (+30%)

	Stor Even		Max Level (m)	Max Depth (m)	Max Infiltration (1/s)	Max Volume (m³)	Statu	s
20		77.1 t. a.v.	4 725	0 525	1.0	45.8	0	v
07007		Winter		0.535			0	
		Winter	and a make the state of	0.610	1.0			
120	min	Winter	4.881	0.681	1.1		0	K
180	min	Winter	4.916	0.716	1.1	61.2	0	K
240	min	Winter	4.934	0.734	1.1	62.7	0	K
360	min	Winter	4.944	0.744	1.1	63.6	0	K
480	min	Winter	4.937	0.737	1.1	63.0	0	K
600	min	Winter	4.921	0.721	1.1	61.7	0	K
720	min	Winter	4.906	0.706	1.1	60.3	0	K
960	min	Winter	4.868	0.668	1.1	57.1	0	K
1440	min	Winter	4.791	0.591	1.0	50.5	0	K
2160	min	Winter	4.683	0.483	1.0	41.3	0	K
2880	min	Winter	4.587	0.387	1.0	33.1	0	K
4320	min	Winter	4.407	0.207	0.9	17.7	0	K
5760	min	Winter	4.291	0.091	0.9	7.7	0	K
7200	min	Winter	4.248	0.048	0.8	4.1	0	K
8640	min	Winter	4.241	0.041	0.7	3.5	0	K
10080	min	Winter	4.236	0.036	0.6	3.0	0	K

Storm		Rain	Flooded	Time-Peak	
	Even	t	(mm/hr)	Volume	(mins)
				(m ³)	
30	min	Winter	112.974	0.0	36
60	min	Winter	65.865	0.0	66
120	min	Winter	38.400	0.0	122
180	min	Winter	28.007	0.0	180
240	min	Winter	22.388	0.0	238
360	min	Winter	16.328	0.0	350
480	min	Winter	13.052	0.0	458
600	min	Winter	10.971	0.0	554
720	min	Winter	9.520	0.0	578
960	min	Winter	7.549	0.0	728
1440	min	Winter	5.443	0.0	1030
2160	min	Winter	3.925	0.0	1472
2880	min	Winter	3.113	0.0	1876
4320	min	Winter	2.174	0.0	2600
5760	min	Winter	1.685	0.0	3232
7200	min	Winter	1.383	0.0	3672
8640	min	Winter	1.177	0.0	4400
10080	min	Winter	1.027	0.0	5096

Amazi Consulting Ltd		Page 3
13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Soakaway (A = 1,000 sqm) FOS = 1.5	Tun.
Date 27 May 2014 File Teddington_soakaway.srcx	Designed by LSP Checked by PW	Drainage
Micro Drainage	Source Control 2014.1.1	

Rainfall Details

Rai	nfall	Model						FEH
Return Per	iod (years)						100
Si	te Lo	cation	GB	516650	171400	TQ	16650	71400
	C	(1km)					1	-0.024
	D1	(1km)						0.332
	D2	(1km)						0.304
40	D3	(1km)						0.225
	E	(1km)						0.307
	F	(1km)						2.513
Su	mmer	Storms						Yes
Wi	nter	Storms						Yes
	Cv (S	ummer)						0.750
	Cv (W	inter)						0.840
Shortest S	torm	(mins)						15
Longest S	torm	(mins)						10080
Clima	te Ch	ange %						+30

Time Area Diagram

Total Area (ha) 0.100

Time	(mins)	Area	Time	(mins)	Area
From:	To:	(ha)	From:	To:	(ha)
0	4	0.050	4	8	0.050

Amazi Consulting Ltd	Page 4	
13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Soakaway (A = 1,000 sqm) FOS = 1.5	Tun
Date 27 May 2014 File Teddington_soakaway.srcx	Designed by LSP Checked by PW	Drainage
Micro Drainage	Source Control 2014.1.1	

Model Details

Storage is Online Cover Level (m) 5.600

Cellular Storage Structure

Depth (m)	Area	(m²)	Inf.	Area	(m²)	Depth	(m)	Area	(m²)	Inf.	Area	(m²)
0.000)	90.0			90.0 L20.4	0.	801		0.0		1	20.4
0.800)	90.0		1	120.4							

Amazi Consulting Ltd	Page 1	
13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Small Soakaway	Fun
Date 28 May 2014 File SMALL SOAKAWAY.SRCX	Designed by LSP Checked by PW	

Summary of Results for 100 year Return Period (+30%)

Half Drain Time : 621 minutes.

	Storm		Max	Max	Max	Max	Status
	Even	it	Level	Depth	Infiltration	Volume	
			(m)	(m)	(1/s)	(m ³)	
15	min	Summer	4.952	0.752	0.3	14.3	ОК
30	min	Summer	5.067	0.867	0.3	16.5	ОК
60	min	Summer	5.189	0.989	0.3	18.8	ОК
120	min	Summer	5.310	1.110	0.4	21.1	ОК
180	min	Summer	5.370	1.170	0.4	22.2	ок
240	min	Summer	5.403	1.203	0.4	22.9	ок
360	min	Summer	5.427	1.227	0.4	23.3	ок
480	min	Summer	5.422	1.222	0.4	23.2	ок
600	min	Summer	5.413	1.213	0.4	23.1	ок
720	min	Summer	5.402	1.202	0.4	22.8	OK
960	min	Summer	5.363	1.163	0.4	22.1	ок
1440	min	Summer	5.285	1.085	0.4	20.6	ок
2160	min	Summer	5.183	0.983	0.3	18.7	ок
2880	min	Summer	5.095	0.895	0.3	17.0	ок
4320	min	Summer	4.907	0.707	0.3	13.4	ок
5760	min	Summer	4.762	0.562	0.3	10.7	ок
7200	min	Summer	4.645	0.445	0.3	8.5	OK
8640	min	Summer	4.550	0.350	0.2	6.7	ОК
10080	min	Summer	4.473	0.273	0.2	5.2	ОК
15	min	Winter	5.043	0.843	0.3	16.0	ок

Storm		Rain	Flooded	Time-Peak	
Event		(mm/hr)	Volume	(mins)	
				(m³)	
15	min	Summer	193.777	0.0	19
30	min	Summer	112.974	0.0	34
60	min	Summer	65.865	0.0	64
120	min	Summer	38.400	0.0	122
180	min	Summer	28.007	0.0	182
240	min	Summer	22.388	0.0	242
360	min	Summer	16.328	0.0	360
480	min	Summer	13.052	0.0	448
600	min	Summer	10.971	0.0	502
720	min	Summer	9.520	0.0	564
960	min	Summer	7.549	0.0	692
1440	min	Summer	5.443	0.0	968
2160	min	Summer	3.925	0.0	1384
2880	min	Summer	3.113	0.0	1788
4320	min	Summer	2.174	0.0	2592
5760	min	Summer	1.685	0.0	3344
7200	min	Summer	1.383	0.0	4104
8640	min	Summer	1.177	0.0	4832
0800	min	Summer	1.027	0.0	5544
15	min	Winter	193.777	0.0	19

Amazi Consulting Ltd	Page 2	
13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Small Soakaway	The same of the sa
Date 28 May 2014	Designed by LSP	Drainage
File SMALL_SOAKAWAY.SRCX	Checked by PW	in all tente
Micro Drainage	Source Control 2014.1.1	V 100-200-11

Summary of Results for 100 year Return Period (+30%	Summary	of	Results	for	100	year	Return	Period	(+30%
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	Stor	m	Max	Max	Max	Max	Status
	Even	t	Level	Depth	Infiltration	Volume	
			(m)	(m)	(1/s)	(m³)	
30	min	Winter	5.173	0.973	0.3	18.5	ОК
60	min	Winter	5.313	1.113	0.4	21.2	O K
120	min	Winter	5.453	1.253	0.4	23.8	OK
180	min	Winter	5.526	1.326	0.4	25.2	O K
240	min	Winter	5.568	1.368	0.4	26.0	ОК
360	min	Winter	5.605	1.405	0.4	26.7	O K
480	min	Winter	5.611	1.411	0.4	26.8	ОК
600	min	Winter	5.599	1.399	0.4	26.6	OK
720	min	Winter	5.582	1.382	0.4	26.3	OK
960	min	Winter	5.538	1.338	0.4	25.4	OK
1440	min	Winter	5.436	1.236	0.4	23.5	O K
2160	min	Winter	5.289	1.089	0.4	20.7	OK
2880	min	Winter	5.162	0.962	0.3	18.3	O K
4320	min	Winter	4.907	0.707	0.3	13.4	OK
5760	min	Winter	4.714	0.514	0.3	9.8	OK
7200	min	Winter	4.565	0.365	0.2	6.9	OK
8640	min	Winter	4.448	0.248	0.2	4.7	OK
10080	min	Winter	4.356	0.156	0.2	3.0	OK

	Stor Even	2000	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
30	min	Winter	112.974	0.0	33
60	min	Winter	65.865	0.0	62
120	min	Winter	38.400	0.0	120
180	min	Winter	28.007	0.0	178
240	min	Winter	22.388	0.0	236
360	min	Winter	16.328	0.0	350
480	min	Winter	13.052	0.0	458
600	min	Winter	10.971	0.0	560
720	min	Winter	9.520	0.0	586
960	min	Winter	7.549	0.0	732
1440	min	Winter	5.443	0.0	1040
2160	min	Winter	3.925	0.0	1492
2880	min	Winter	3.113	0.0	1928
4320	min	Winter	2.174	0.0	2728
5760	min	Winter	1.685	0.0	3520
7200	min	Winter	1.383	0.0	4256
8640	min	Winter	1.177	0.0	5008
10080	min	Winter	1.027	0.0	5648

Amazi Consulting Ltd		Page 3
13 Tovells Road	Teddington Riverside	
Ipswich	Small Soakaway	14
Suffolk IP4 4DY	_	1
Date 28 May 2014	Designed by LSP	- Ville
File SMALL SOAKAWAY.SRCX		Diatinan
	Checked by PW	120410 (615
Micro Drainage	Source Control 2014.1.1	
	Rainfall Details	
	and the same of th	
Rainfall Return Period (y		FEH
	ation GB 516650 171400 TQ 16650 7	100
		.024
		.332
D2		.304
	(1km) 0	.225
		.307
		.513
Summer S		Yes
Winter S Cv (Su		Yes .750
Cv (Sui		.840
Shortest Storm (mins)	15
Longest Storm (0080
Climate Char	nge {	+30
	Time Area Diagram	
	Total Area (ha) 0.040	
	Time (mins) Area From: To: (ha)	
	0 4 0.040	
	8	

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13 Tovells Road Ipswich Suffolk IP4 4DY	Teddington Riverside Small Soakaway	The same of the sa
Date 28 May 2014	Designed by LSP	Devisors
File SMALL_SOAKAWAY.SRCX	Checked by PW	Drainage
Micro Drainage	Source Control 2014.1.1	

Model Details

Storage is Online Cover Level (m) 6.000

Cellular Storage Structure

Depth (m) Area (m²) Inf. Area (m²) Depth (m) Area (m²) Inf. Area (m²)

0.000 20.0 20.0 20.0 1.501 0.0 46.8

1.500 20.0 46.8



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