


Woods Hardwick		Page 1
15-17 Goldington Road Bedford MK40 3NH		
Date 23/07/2014 15:52	Designed by a.tew	
File SW East proposed scheme...	Checked by	
Micro Drainage	Network 2014.1.1	

Summary of Critical Results by Maximum Level (Rank 1) for SW EAST PROPOSED
23.07.13.SWS

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m ³ /ha Storage	1.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	23
Number of Online Controls	14	Number of Time/Area Diagrams	0
Number of Offline Controls	1	Number of Real Time Controls	0


Synthetic Rainfall Details

Rainfall Model	FEH
Site Location	GB 450500 225250 SP 50500 25250
C (1km)	-0.023
D1 (1km)	0.328
D2 (1km)	0.309
D3 (1km)	0.264
E (1km)	0.292
F (1km)	2.461
Cv (Summer)	0.750
Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	ON
Inertia Status	OFF


Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	30
Climate Change (%)	0

PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
1.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			4
1.001	15 Winter	30	0%	30/15 Summer				
1.002	15 Winter	30	0%	30/15 Summer	30/15 Summer			4
1.003	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
1.004	15 Summer	30	0%	30/15 Summer				
2.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
2.001	15 Winter	30	0%	30/15 Summer	30/15 Winter			1
3.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
3.001	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
4.000	15 Winter	30	0%	30/15 Summer				
2.002	15 Winter	30	0%	30/15 Summer				
2.003	15 Winter	30	0%	30/15 Summer				

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PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
2.004	15 Winter	30	0%	30/15 Summer				
2.005	15 Winter	30	0%	30/15 Summer				
5.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
2.006	15 Winter	30	0%	30/15 Summer				
1.005	30 Winter	30	0%	30/15 Summer	30/15 Summer			7
1.006	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
1.007	15 Winter	30	0%					
6.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			5
6.001	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
6.002	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
7.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
7.001	15 Winter	30	0%	30/15 Summer	30/15 Summer			2
6.003	15 Winter	30	0%	30/15 Summer	30/15 Summer			1
8.000	15 Winter	30	0%	30/15 Summer				
6.004	15 Winter	30	0%	30/15 Summer				
6.005	15 Winter	30	0%					
6.006	15 Winter	30	0%	30/15 Summer				
9.000	15 Winter	30	0%	30/15 Summer				
9.001	15 Winter	30	0%	30/15 Summer				
9.002	15 Winter	30	0%	30/15 Summer				
6.007	15 Winter	30	0%	30/15 Summer				
10.000	15 Winter	30	0%	30/15 Summer				
10.001	15 Winter	30	0%	30/15 Summer	30/15 Summer			4
10.002	15 Winter	30	0%	30/15 Summer	30/15 Summer			4
10.003	15 Winter	30	0%	30/15 Summer	30/15 Summer			5
10.004	15 Winter	30	0%	30/15 Summer				
10.005	15 Winter	30	0%	30/15 Summer				
11.000	15 Winter	30	0%					
12.000	15 Winter	30	0%					
11.001	15 Winter	30	0%					
10.006	15 Winter	30	0%	30/15 Summer				
13.000	60 Winter	30	0%	30/15 Summer				
13.001	60 Winter	30	0%	30/15 Summer				
6.008	15 Winter	30	0%	30/15 Winter				
14.000	60 Winter	30	0%					
14.001	60 Winter	30	0%	30/15 Summer				
1.008	15 Winter	30	0%	30/15 Summer				
1.009	15 Winter	30	0%	30/15 Summer				
15.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			7
15.001	15 Winter	30	0%	30/15 Summer				
15.002	15 Winter	30	0%	30/15 Summer	30/15 Summer			7
16.000	15 Winter	30	0%	30/15 Summer				
16.001	15 Winter	30	0%					
15.003	15 Winter	30	0%	30/15 Summer				
15.004	15 Winter	30	0%	30/15 Summer				
15.005	15 Winter	30	0%	30/15 Summer				
17.000	15 Winter	30	0%	30/15 Summer				
17.001	15 Winter	30	0%	30/15 Summer				
15.006	15 Winter	30	0%	30/15 Summer				
18.000	15 Winter	30	0%	30/15 Summer				

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PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
18.001	15 Winter	30	0%	30/15	Summer			
18.002	15 Winter	30	0%					
19.000	15 Winter	30	0%					
19.001	120 Winter	30	0%					
18.003	15 Winter	30	0%					
1.010	60 Winter	30	0%	30/30	Winter			
20.000	360 Winter	30	0%					
20.001	15 Winter	30	0%					
20.002	15 Summer	30	0%					
20.003	15 Summer	30	0%					
21.000	30 Winter	30	0%	30/15	Summer			
21.001	30 Winter	30	0%	30/15	Summer			
20.004	60 Winter	30	0%					
22.000	30 Winter	30	0%	30/15	Summer			
22.001	30 Winter	30	0%	30/15	Summer			
20.005	60 Winter	30	0%	30/60	Summer			
1.011	60 Winter	30	0%	30/15	Summer			
1.012	60 Winter	30	0%	30/15	Summer			
1.013	60 Winter	30	0%	30/60	Winter			
1.014	60 Winter	30	0%	30/15	Winter			
1.015	60 Winter	30	0%	30/15	Winter			
23.000	30 Winter	30	0%					
23.001	60 Winter	30	0%	30/15	Summer			
1.016	60 Winter	30	0%	30/15	Summer			
1.017	60 Winter	30	0%	30/15	Winter			
24.000	15 Winter	30	0%					
24.001	15 Winter	30	0%					
24.002	15 Winter	30	0%					
25.000	60 Winter	30	0%	30/15	Winter			
25.001	60 Winter	30	0%	30/15	Summer			
25.002	15 Winter	30	0%					
25.003	15 Winter	30	0%					
26.000	15 Winter	30	0%	30/15	Summer			
26.001	30 Winter	30	0%	30/15	Summer			
24.003	15 Winter	30	0%					
1.018	60 Winter	30	0%					
27.000	15 Winter	30	0%			30/15 Summer	38	
1.019	60 Winter	30	0%					
28.000	60 Winter	30	0%					
1.020	60 Winter	30	0%	30/15	Summer			
1.021	60 Winter	30	0%	30/15	Summer			
29.000	60 Winter	30	0%	30/15	Summer	30/15 Summer		13
29.001	60 Winter	30	0%	30/15	Summer	30/15 Summer		11
29.002	30 Winter	30	0%	30/15	Summer	30/15 Summer		9
29.003	15 Winter	30	0%	30/15	Summer	30/15 Summer		4
30.000	15 Winter	30	0%	30/15	Summer			
30.001	15 Winter	30	0%	30/15	Summer	30/15 Summer		4
30.002	15 Winter	30	0%	30/15	Summer			
29.004	15 Winter	30	0%	30/15	Summer	30/15 Summer		7
29.005	60 Winter	30	0%	30/15	Summer	30/15 Summer		12

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PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
29.006	30 Winter	30	0%	30/15 Summer	30/15 Summer			7
29.007	15 Winter	30	0%	30/15 Summer	30/15 Summer			5
29.008	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
31.000	15 Winter	30	0%	30/15 Summer				
31.001	15 Winter	30	0%	30/15 Summer				
31.002	15 Winter	30	0%	30/15 Summer				
31.003	15 Winter	30	0%	30/15 Summer				
29.009	15 Winter	30	0%	30/15 Summer				
32.000	15 Winter	30	0%	30/15 Summer	30/15 Summer			4
32.001	15 Winter	30	0%	30/15 Summer	30/15 Summer			5
32.002	15 Winter	30	0%	30/15 Summer				
33.000	15 Winter	30	0%	30/15 Summer	30/15 Winter			1
33.001	15 Winter	30	0%	30/15 Summer				
33.002	15 Winter	30	0%	30/15 Summer	30/15 Summer			5
32.003	15 Winter	30	0%	30/15 Summer				
32.004	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
32.005	15 Winter	30	0%	30/15 Summer	30/15 Summer			6
29.010	15 Winter	30	0%	30/15 Summer				
34.000	15 Winter	30	0%	30/15 Summer				
34.001	15 Winter	30	0%	30/15 Summer				
34.002	15 Winter	30	0%	30/15 Summer				
34.003	15 Winter	30	0%	30/15 Summer				
34.004	15 Winter	30	0%	30/15 Summer				
29.011	15 Winter	30	0%	30/15 Summer				
29.012	15 Winter	30	0%	30/15 Summer				
1.022	60 Winter	30	0%	30/15 Summer				
35.000	180 Winter	30	0%	30/120 Winter				
35.001	180 Winter	30	0%	30/60 Winter				
35.002	180 Winter	30	0%	30/15 Winter				
36.000	15 Winter	30	0%					
36.001	15 Winter	30	0%	30/15 Summer				
36.002	15 Winter	30	0%					
36.003	15 Winter	30	0%					
36.004	15 Winter	30	0%					
36.005	15 Winter	30	0%					
36.006	15 Winter	30	0%					
36.007	15 Winter	30	0%					
36.008	15 Winter	30	0%					
37.000	15 Winter	30	0%					
38.000	15 Winter	30	0%					
36.009	15 Winter	30	0%					
36.010	15 Winter	30	0%					
36.011	15 Winter	30	0%					
36.012	180 Winter	30	0%					
36.013	180 Winter	30	0%					
35.003	180 Winter	30	0%	30/15 Summer				
35.004	180 Winter	30	0%	30/15 Summer				
39.000	15 Winter	30	0%					
39.001	15 Winter	30	0%					
39.002	15 Winter	30	0%					

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PN	Storm	Return Climate Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
1.023	60	Winter	30	0%	30/15	Summer		
1.024	60	Summer	30	0%				
40.000	15	Winter	30	0%				
40.001	15	Winter	30	0%	30/15	Summer		
40.002	15	Winter	30	0%	30/15	Summer		
40.003	15	Winter	30	0%				
1.025	180	Winter	30	0%				
41.000	180	Winter	30	0%	30/120	Winter		
1.026	180	Winter	30	0%	30/120	Winter		
1.027	180	Winter	30	0%	30/30	Winter		
1.028	180	Winter	30	0%	30/15	Summer		

PN	US/MH Name	Water Level (m)	Surch'd Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000	Ex MH	127.103	0.853	2.793	1.04	0.0	17.2	FLOOD
1.001	0883	126.901	1.093	0.000	0.84	0.0	44.8	FLOOD RISK
1.002	0810	126.679	1.162	5.352	0.93	0.0	50.6	FLOOD
1.003	0923	126.288	1.223	14.113	1.05	0.0	59.6	FLOOD
1.004	0822	126.286	1.537	0.000	1.56	0.0	70.8	FLOOD RISK
2.000	0961	125.674	0.554	4.279	0.73	0.0	10.3	FLOOD
2.001	0859	125.663	0.823	0.739	0.78	0.0	13.4	FLOOD
3.000	0799	125.718	0.527	7.225	0.52	0.0	13.3	FLOOD
3.001	0797	125.760	0.908	0.595	0.98	0.0	15.1	FLOOD
4.000	0860	125.995	0.951	0.000	0.89	0.0	17.8	SURCHARGED
2.002	0805	125.740	1.008	0.000	0.93	0.0	37.3	FLOOD RISK
2.003	0825	125.652	1.043	0.000	0.90	0.0	39.7	FLOOD RISK
2.004	0824	125.552	1.042	0.000	0.79	0.0	39.3	FLOOD RISK
2.005	0804	125.398	1.116	0.000	2.04	0.0	43.4	FLOOD RISK
5.000	0863	125.323	0.824	4.017	0.54	0.0	9.4	FLOOD
2.006	0865	125.299	1.026	0.000	2.33	0.0	48.3	FLOOD RISK
1.005	0816	125.198	0.953	41.656	1.80	0.0	84.6	FLOOD
1.006	0908	125.082	1.270	1.851	1.58	0.0	174.7	FLOOD
1.007	8	122.708	-0.262	0.000	0.36	0.0	174.9	OK
6.000	Ex MH	125.721	0.341	11.037	1.26	0.0	20.5	FLOOD
6.001	0991	125.741	0.940	0.255	0.75	0.0	26.5	FLOOD
6.002	0992	125.694	0.956	1.208	0.74	0.0	34.7	FLOOD
7.000	0827	125.591	0.851	0.773	0.99	0.0	15.8	FLOOD
7.001	0826	125.522	0.912	2.497	1.09	0.0	36.4	FLOOD
6.003	0662	125.526	1.286	0.115	1.37	0.0	75.5	FLOOD
8.000	0801	124.798	0.957	0.000	1.11	0.0	15.2	FLOOD RISK
6.004	27	124.612	0.922	0.000	2.75	0.0	89.3	SURCHARGED
6.005	Ex blind	123.635	0.000	0.000	1.25	0.0	133.6	SURCHARGED*
6.006	0823	123.646	0.441	0.000	0.95	0.0	141.6	SURCHARGED
9.000	46 (B4b)	124.319	0.719	0.000	1.57	0.0	124.6	SURCHARGED
9.001	47 (B4b)	124.199	0.699	0.000	0.42	0.0	48.3	SURCHARGED
9.002	48	123.538	0.248	0.000	0.70	0.0	52.7	SURCHARGED
6.007	41	123.328	0.476	0.000	1.47	0.0	191.1	SURCHARGED
10.000	0666	124.556	1.234	0.000	0.86	0.0	16.2	FLOOD RISK

Summary of Critical Results by Maximum Level (Rank 1) for SW EAST PROPOSED
23.07.13.SWS

PN	US/MH Name	Water Level (m)	Surch'd Depth (m)	Flooded Volume (m ³)	Flow / Cap. (l/s)	O'flow (l/s)	Pipe Flow (l/s)	Status
10.001	0668	124.424	1.273	3.923	1.97	0.0	21.0	FLOOD
10.002	0667	124.376	1.255	0.766	1.98	0.0	25.1	FLOOD
10.003	0930	124.082	1.037	6.862	4.42	0.0	30.6	FLOOD
10.004	0931	123.967	0.954	0.000	2.74	0.0	35.6	FLOOD RISK
10.005	0963	123.244	0.330	0.000	1.29	0.0	46.6	SURCHARGED
11.000	KO	123.177	-0.095	0.000	0.29	0.0	8.0	FLOOD RISK
12.000	KO	123.188	-0.107	0.000	0.18	0.0	8.0	FLOOD RISK
11.001	56a	122.637	-0.133	0.000	0.20	0.0	15.4	OK
10.006	56 (0927)	122.616	0.073	0.000	1.37	0.0	81.0	SURCHARGED
13.000	62 (D2b)	123.616	0.616	0.000	0.18	0.0	18.0	SURCHARGED
13.001	63 (D2b)	123.611	0.861	0.000	0.06	0.0	7.7	SURCHARGED
6.008	42	122.453	0.003	0.000	0.83	0.0	270.9	SURCHARGED
14.000	64 (D3b)	121.912	-0.118	0.000	0.21	0.0	68.1	OK
14.001	65 (D3b)	121.876	0.221	0.000	0.73	0.0	75.5	SURCHARGED
1.008	9	121.976	0.221	0.000	1.29	0.0	329.9	SURCHARGED
1.009	10	121.728	0.123	0.000	1.24	0.0	335.7	SURCHARGED
15.000	0786	125.268	0.478	8.272	2.10	0.0	11.6	FLOOD
15.001	0785	125.351	0.601	0.000	1.31	0.0	11.7	FLOOD RISK
15.002	0875	125.086	0.524	4.218	1.44	0.0	14.4	FLOOD
16.000	0874	125.008	0.272	0.000	1.85	0.0	10.8	SURCHARGED
16.001	0885	124.544	-0.084	0.000	0.40	0.0	10.9	OK
15.003	0837	124.198	0.124	0.000	1.11	0.0	24.9	SURCHARGED
15.004	70	123.684	0.104	0.000	1.08	0.0	63.7	SURCHARGED
15.005	71	123.135	0.035	0.000	0.86	0.0	61.1	SURCHARGED
17.000	75 (B4a)	122.324	0.334	0.000	0.45	0.0	75.4	SURCHARGED
17.001	76 (B4a)	122.263	0.493	0.000	0.57	0.0	33.9	SURCHARGED
15.006	72	122.113	0.393	0.000	1.42	0.0	101.9	SURCHARGED
18.000	77 (B4a)	123.590	0.815	0.000	0.48	0.0	84.7	SURCHARGED
18.001	78 (B4a)	123.491	1.091	0.000	0.54	0.0	51.6	SURCHARGED
18.002	79	122.085	-0.105	0.000	0.72	0.0	65.0	OK
19.000	81 (D2b)	121.885	-0.190	0.000	0.48	0.0	53.4	OK
19.001	82 (D2b)	121.830	-0.090	0.000	0.15	0.0	13.2	OK
18.003	80	121.718	-0.072	0.000	0.91	0.0	88.0	OK
1.010	11	121.572	0.217	0.000	0.84	0.0	450.4	SURCHARGED
20.000	83	123.380	-0.375	0.000	0.00	0.0	0.0	OK
20.001	Ex MH	122.623	-0.292	0.000	0.11	0.0	18.8	OK
20.002	Ex MH	122.447	-0.282	0.000	0.14	0.0	18.9	OK
20.003	86	122.333	-0.277	0.000	0.15	0.0	43.8	OK
21.000	Spur (D2c)	122.613	0.643	0.000	1.47	0.0	90.2	SURCHARGED
21.001	91 (D2c)	122.565	0.790	0.000	0.67	0.0	12.4	SURCHARGED
20.004	87	121.370	-0.185	0.000	0.24	0.0	34.8	OK
22.000	94a (D2c)	121.937	0.347	0.000	0.57	0.0	39.8	SURCHARGED
22.001	94 (D2c)	121.927	0.612	0.000	0.41	0.0	8.5	SURCHARGED
20.005	88	121.352	0.277	0.000	0.19	0.0	41.9	SURCHARGED
1.011	12	121.335	0.725	0.000	0.46	0.0	482.3	SURCHARGED
1.012	12a	121.157	0.942	0.000	1.07	0.0	308.2	SURCHARGED
1.013	13	120.194	0.119	0.000	0.84	0.0	307.2	SURCHARGED
1.014	13a	119.881	0.256	0.000	1.23	0.0	304.8	SURCHARGED
1.015	13b	119.723	0.178	0.000	1.03	0.0	304.7	SURCHARGED

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PN	US/MH Name	Water Level (m)	Surch'd Depth (m)	Flooded Volume (m ³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
23.000	90 (D1a)	119.914	-0.046	0.000	0.18	0.0	18.2	OK
23.001	91 (D1a)	119.908	0.468	0.000	0.30	0.0	4.7	SURCHARGED
1.016	13c	119.532	0.167	0.000	1.37	0.0	308.3	SURCHARGED
1.017	14	119.370	0.085	0.000	1.49	0.0	308.4	SURCHARGED
24.000	1002	121.202	-0.228	0.000	0.13	0.0	19.8	OK
24.001	96	120.420	-0.160	0.000	0.44	0.0	48.7	OK
24.002	97	120.140	-0.160	0.000	0.43	0.0	47.6	OK
25.000	99a (D1c)	121.532	0.032	0.000	0.21	0.0	11.2	SURCHARGED
25.001	99b (D1c)	121.530	0.145	0.000	0.10	0.0	3.1	SURCHARGED
25.002	99 (ex MH)	121.034	-0.322	0.000	0.05	0.0	9.5	OK
25.003	Ex MH	120.508	-0.192	0.000	0.06	0.0	9.5	OK
26.000	96 (D1c)	120.162	0.037	0.000	0.60	0.0	20.0	SURCHARGED
26.001	97 (D1c)	120.128	0.173	0.000	0.03	0.0	3.2	SURCHARGED
24.003	98	119.605	-0.260	0.000	0.21	0.0	60.8	OK
1.018	15	119.019	-0.216	0.000	0.65	0.0	319.8	OK
27.000	Ex MH	119.634	-0.330	0.000	0.03	5.9	14.1	OK
1.019	16 (blind)	118.544	-0.281	0.000	0.44	0.0	321.7	OK*
28.000	SE114	117.669	-0.031	0.000	0.06	0.0	5.3	OK
1.020	17	117.668	0.123	0.000	1.77	0.0	324.2	SURCHARGED
1.021	18	116.421	0.351	0.000	0.87	0.0	324.6	SURCHARGED
29.000	EX MH	122.312	0.512	11.597	1.38	0.0	9.3	FLOOD
29.001	0704	122.408	1.108	7.775	0.71	0.0	9.8	FLOOD
29.002	EX MH	122.458	1.268	7.769	0.68	0.0	9.4	FLOOD
29.003	1222	122.521	1.501	0.688	0.79	0.0	10.8	FLOOD
30.000	EX MH	122.598	0.198	0.000	0.45	0.0	6.2	FLOOD RISK
30.001	EX MH	122.553	0.370	3.234	0.74	0.0	9.8	FLOOD
30.002	0947	122.530	0.443	0.000	0.33	0.0	9.4	FLOOD RISK
29.004	0703	122.487	1.567	6.787	1.45	0.0	20.1	FLOOD
29.005	1223	122.253	1.453	33.022	1.80	0.0	25.3	FLOOD
29.006	0702	121.955	1.355	5.096	2.00	0.0	28.0	FLOOD
29.007	0701	121.691	1.291	1.393	2.36	0.0	28.8	FLOOD
29.008	0700	121.505	1.143	5.417	2.53	0.0	30.9	FLOOD
31.000	0946	121.988	0.037	0.000	0.98	0.0	7.0	FLOOD RISK
31.001	0943	121.741	0.067	0.000	0.52	0.0	11.0	SURCHARGED
31.002	0940	121.677	0.327	0.000	0.62	0.0	12.7	SURCHARGED
31.003	0706	121.590	0.466	0.000	0.40	0.0	12.9	SURCHARGED
29.009	EX MH	121.478	1.154	0.000	2.31	0.0	31.5	FLOOD RISK
32.000	0698	122.629	0.814	3.386	1.06	0.0	20.8	FLOOD
32.001	1202	122.185	0.765	5.563	1.45	0.0	23.1	FLOOD
32.002	1201	121.863	0.693	0.000	1.38	0.0	26.3	FLOOD RISK
33.000	0937	122.630	0.650	0.128	1.10	0.0	6.1	FLOOD
33.001	0999	122.262	0.561	0.000	0.41	0.0	10.8	SURCHARGED
33.002	1195	122.142	1.035	14.101	1.99	0.0	54.7	FLOOD
32.003	0998	121.700	0.726	0.000	0.90	0.0	84.9	FLOOD RISK
32.004	0939	121.253	0.834	8.130	1.78	0.0	80.1	FLOOD
32.005	0994	120.915	0.531	25.478	4.06	0.0	99.5	FLOOD
29.010	0995	120.905	0.550	0.000	1.57	0.0	129.8	SURCHARGED
34.000	S116a	120.842	0.292	0.000	0.35	0.0	21.3	SURCHARGED
34.001	S11b	120.824	0.334	0.000	0.35	0.0	19.4	SURCHARGED

15-17 Goldington Road
Bedford
MK40 3NH



Date 23/07/2014 15:52
File SW East proposed scheme...

Designed by a.tew
Checked by

Micro Drainage

Network 2014.1.1

Summary of Critical Results by Maximum Level (Rank 1) for SW EAST PROPOSED
23.07.13.SWS

PN	US/MH Name	Water Level (m)	Surch'd Depth (m)	Flooded Volume (m ³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
34.002	S116c	120.811	0.371	0.000	0.31	0.0	19.7	SURCHARGED
34.003	S116d	120.792	0.492	0.000	0.36	0.0	20.7	SURCHARGED
34.004	S116e	120.784	0.534	0.000	0.38	0.0	21.7	SURCHARGED
29.011	S116	120.777	0.591	0.000	1.04	0.0	146.7	SURCHARGED
29.012	EX MH	118.641	0.392	0.000	1.44	0.0	162.7	FLOOD RISK
1.022	19	116.292	0.412	0.000	1.30	0.0	435.7	SURCHARGED
35.000	18 (D1b)	115.993	0.048	0.000	0.10	0.0	18.8	SURCHARGED
35.001	19 (D1b)	115.993	0.108	0.000	0.10	0.0	20.0	SURCHARGED
35.002	20 (D1b)	115.993	0.158	0.000	0.20	0.0	26.0	SURCHARGED
36.000	1 (D1b)	119.741	-0.009	0.000	0.66	0.0	10.9	OK
36.001	2 (D1b)	119.683	0.073	0.000	1.18	0.0	22.5	SURCHARGED
36.002	3 (D1b)	119.315	-0.110	0.000	0.51	0.0	27.4	OK
36.003	4 (D1b)	118.962	-0.063	0.000	0.87	0.0	27.3	OK
36.004	5 (D1b)	118.888	-0.087	0.000	0.68	0.0	30.9	OK
36.005	6 (D1b)	118.746	-0.079	0.000	0.74	0.0	32.5	OK
36.006	7 (D1b)	118.629	-0.076	0.000	0.76	0.0	34.1	OK
36.007	8 (D1b)	118.426	-0.109	0.000	0.51	0.0	48.8	OK
36.008	9 (D1b)	117.255	-0.090	0.000	0.64	0.0	60.3	OK
37.000	17 (D1b)	116.875	-0.150	0.000	0.16	0.0	6.9	OK
38.000	21 (D1b)	117.578	-0.072	0.000	0.53	0.0	20.0	OK
36.009	10 (D1b)	116.859	-0.041	0.000	1.00	0.0	96.5	OK
36.010	11 (D1b)	116.599	-0.101	0.000	0.77	0.0	100.2	OK
36.011	12 (D1b)	116.095	-0.280	0.000	0.44	0.0	104.1	OK
36.012	13 (D1b)	115.996	-0.329	0.000	0.06	0.0	23.9	OK
36.013	14 (D1b)	115.995	-0.050	0.000	0.07	0.0	24.0	OK
35.003	15 (D1b)	115.993	0.178	0.000	0.15	0.0	29.4	SURCHARGED
35.004	16 (D1b)	115.991	0.451	0.000	0.43	0.0	30.3	SURCHARGED
39.000	Ex GY	120.205	-0.130	0.000	0.32	0.0	17.0	OK
39.001	Ex MH	118.228	-0.127	0.000	0.38	0.0	52.3	OK
39.002	99	117.194	-0.126	0.000	0.39	0.0	56.6	OK
1.023	20	116.090	0.330	0.000	1.54	0.0	421.0	SURCHARGED
1.024	21	115.780	0.000	0.000	1.50	0.0	397.2	OK
40.000	Ex MH	119.536	-0.039	0.000	0.78	0.0	29.2	OK
40.001	Ex MH	119.151	0.146	0.000	1.03	0.0	74.7	SURCHARGED
40.002	Ex MH	118.531	0.046	0.000	1.24	0.0	83.8	SURCHARGED
40.003	Ex MH	118.167	-0.207	0.000	0.21	0.0	84.6	OK
1.025	22	115.630	-0.120	0.000	0.80	0.0	404.3	OK
41.000	Pond	115.483	0.023	0.000	0.22	0.0	56.7	FLOOD RISK
1.026	23a	115.484	0.051	0.000	1.47	0.0	315.3	SURCHARGED
1.027	23 (0498)	115.455	0.342	0.000	1.02	0.0	315.3	SURCHARGED
1.028	24 (PI)	115.142	0.332	0.000	0.93	0.0	315.3	SURCHARGED