

Phil Brant Engineering Ltd		Page 1
6 Northfields Way East Leake Loughborough LE12 6RZ	HATTON	
Date 08 July 2017 14:57 File Storm4 30yr15min.SIM	Designed By HOME Checked By	
Micro Drainage	Simulation W.11.4	

Global Variables

Region	FSR - England & Wales
Return Period (yrs)	30
M5-60 (mm)	19.000
Ratio R	0.400
Volumetric Runoff Coef	0.750
Profile Type	Summer
PIMP (%)	100
Areal Reduction Factor	1.000
Storm Duration (mins)	15
Hot Start (mins)	0
Hot Start Level (mm)	0
Manhole Headloss Coefficient	0.500
MADD Factor * 10m ³ /ha Storage	0.000
Foul Sewage/Hectare (l/s)	0.00
Additional Flow - % of Total Flow	0
Number of Input Hydrographs	0
Number of Time/Area Diagrams	0
Number of Bifurcations	0
Number of Overflows	0
Number of Off-Line Controls	0
Number of On-Line Controls	2

Starting Storm file name

H:\PBE\Schemes\2014 Schemes\EL14-17 Hatton\MX\STORM4.SWS

Surcharged Outfalls

Outfall			Outfall			C.Level			I.Level			D,L			B		
Pipe Number			MH/No			(m)			(m)			(mm)			(mm)		
1.007			14			52.920			52.050			1200			0		
Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
-120	52.450	-0.050	-95	52.450	-0.050	-70	52.450	-0.050	-45	52.450	-0.050	-20	52.450	-0.050	5	52.450	-0.050
-119	52.450	-0.050	-94	52.450	-0.050	-69	52.450	-0.050	-44	52.450	-0.050	-19	52.450	-0.050	4	52.450	-0.050
-118	52.450	-0.050	-93	52.450	-0.050	-68	52.450	-0.050	-43	52.450	-0.050	-18	52.450	-0.050	3	52.450	-0.050
-117	52.450	-0.050	-92	52.450	-0.050	-67	52.450	-0.050	-42	52.450	-0.050	-17	52.450	-0.050	2	52.450	-0.050
-116	52.450	-0.050	-91	52.450	-0.050	-66	52.450	-0.050	-41	52.450	-0.050	-16	52.450	-0.050	1	52.450	-0.050
-115	52.450	-0.050	-90	52.450	-0.050	-65	52.450	-0.050	-40	52.450	-0.050	-15	52.450	-0.050	0	52.450	-0.050
-114	52.450	-0.050	-89	52.450	-0.050	-64	52.450	-0.050	-39	52.450	-0.050	-14	52.450	-0.050	-1	52.450	-0.050
-113	52.450	-0.050	-88	52.450	-0.050	-63	52.450	-0.050	-38	52.450	-0.050	-13	52.450	-0.050	-2	52.450	-0.050
-112	52.450	-0.050	-87	52.450	-0.050	-62	52.450	-0.050	-37	52.450	-0.050	-12	52.450	-0.050	-3	52.450	-0.050
-111	52.450	-0.050	-86	52.450	-0.050	-61	52.450	-0.050	-36	52.450	-0.050	-11	52.450	-0.050	-4	52.450	-0.050
-110	52.450	-0.050	-85	52.450	-0.050	-60	52.450	-0.050	-35	52.450	-0.050	-10	52.450	-0.050	-5	52.450	-0.050
-109	52.450	-0.050	-84	52.450	-0.050	-59	52.450	-0.050	-34	52.450	-0.050	-9	52.450	-0.050	-6	52.450	-0.050
-108	52.450	-0.050	-83	52.450	-0.050	-58	52.450	-0.050	-33	52.450	-0.050	-8	52.450	-0.050	-7	52.450	-0.050
-107	52.450	-0.050	-82	52.450	-0.050	-57	52.450	-0.050	-32	52.450	-0.050	-7	52.450	-0.050	-8	52.450	-0.050
-106	52.450	-0.050	-81	52.450	-0.050	-56	52.450	-0.050	-31	52.450	-0.050	-6	52.450	-0.050	-9	52.450	-0.050
-105	52.450	-0.050	-80	52.450	-0.050	-55	52.450	-0.050	-30	52.450	-0.050	-5	52.450	-0.050	-10	52.450	-0.050
-104	52.450	-0.050	-79	52.450	-0.050	-54	52.450	-0.050	-29	52.450	-0.050	-4	52.450	-0.050	-11	52.450	-0.050
-103	52.450	-0.050	-78	52.450	-0.050	-53	52.450	-0.050	-28	52.450	-0.050	-3	52.450	-0.050	-12	52.450	-0.050
-102	52.450	-0.050	-77	52.450	-0.050	-52	52.450	-0.050	-27	52.450	-0.050	-2	52.450	-0.050	-13	52.450	-0.050
-101	52.450	-0.050	-76	52.450	-0.050	-51	52.450	-0.050	-26	52.450	-0.050	-1	52.450	-0.050	-14	52.450	-0.050
-100	52.450	-0.050	-75	52.450	-0.050	-50	52.450	-0.050	-25	52.450	-0.050	0	52.450	-0.050	-15	52.450	-0.050
-99	52.450	-0.050	-74	52.450	-0.050	-49	52.450	-0.050	-24	52.450	-0.050	1	52.450	-0.050	-16	52.450	-0.050
-98	52.450	-0.050	-73	52.450	-0.050	-48	52.450	-0.050	-23	52.450	-0.050	2	52.450	-0.050	-17	52.450	-0.050
-97	52.450	-0.050	-72	52.450	-0.050	-47	52.450	-0.050	-22	52.450	-0.050	3	52.450	-0.050	-18	52.450	-0.050
-96	52.450	-0.050	-71	52.450	-0.050	-46	52.450	-0.050	-21	52.450	-0.050	4	52.450	-0.050	-19	52.450	-0.050

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Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
-20	52.450	-0.050	42	52.450	-0.050	104	52.450	-0.050	166	52.450	-0.050
-19	52.450	-0.050	43	52.450	-0.050	105	52.450	-0.050	167	52.450	-0.050
-18	52.450	-0.050	44	52.450	-0.050	106	52.450	-0.050	168	52.450	-0.050
-17	52.450	-0.050	45	52.450	-0.050	107	52.450	-0.050	169	52.450	-0.050
-16	52.450	-0.050	46	52.450	-0.050	108	52.450	-0.050	170	52.450	-0.050
-15	52.450	-0.050	47	52.450	-0.050	109	52.450	-0.050	171	52.450	-0.050
-14	52.450	-0.050	48	52.450	-0.050	110	52.450	-0.050	172	52.450	-0.050
-13	52.450	-0.050	49	52.450	-0.050	111	52.450	-0.050	173	52.450	-0.050
-12	52.450	-0.050	50	52.450	-0.050	112	52.450	-0.050	174	52.450	-0.050
-11	52.450	-0.050	51	52.450	-0.050	113	52.450	-0.050	175	52.450	-0.050
-10	52.450	-0.050	52	52.450	-0.050	114	52.450	-0.050	176	52.450	-0.050
-9	52.450	-0.050	53	52.450	-0.050	115	52.450	-0.050	177	52.450	-0.050
-8	52.450	-0.050	54	52.450	-0.050	116	52.450	-0.050	178	52.450	-0.050
-7	52.450	-0.050	55	52.450	-0.050	117	52.450	-0.050	179	52.450	-0.050
-6	52.450	-0.050	56	52.450	-0.050	118	52.450	-0.050	180	52.450	-0.050
-5	52.450	-0.050	57	52.450	-0.050	119	52.450	-0.050	181	52.450	-0.050
-4	52.450	-0.050	58	52.450	-0.050	120	52.450	-0.050	182	52.450	-0.050
-3	52.450	-0.050	59	52.450	-0.050	121	52.450	-0.050	183	52.450	-0.050
-2	52.450	-0.050	60	52.450	-0.050	122	52.450	-0.050	184	52.450	-0.050
-1	52.450	-0.050	61	52.450	-0.050	123	52.450	-0.050	185	52.450	-0.050
0	52.450	-0.050	62	52.450	-0.050	124	52.450	-0.050	186	52.450	-0.050
1	52.450	-0.050	63	52.450	-0.050	125	52.450	-0.050	187	52.450	-0.050
2	52.450	-0.050	64	52.450	-0.050	126	52.450	-0.050	188	52.450	-0.050
3	52.450	-0.050	65	52.450	-0.050	127	52.450	-0.050	189	52.450	-0.050
4	52.450	-0.050	66	52.450	-0.050	128	52.450	-0.050	190	52.450	-0.050
5	52.450	-0.050	67	52.450	-0.050	129	52.450	-0.050	191	52.450	-0.050
6	52.450	-0.050	68	52.450	-0.050	130	52.450	-0.050	192	52.450	-0.050
7	52.450	-0.050	69	52.450	-0.050	131	52.450	-0.050	193	52.450	-0.050
8	52.450	-0.050	70	52.450	-0.050	132	52.450	-0.050	194	52.450	-0.050
9	52.450	-0.050	71	52.450	-0.050	133	52.450	-0.050	195	52.450	-0.050
10	52.450	-0.050	72	52.450	-0.050	134	52.450	-0.050	196	52.450	-0.050
11	52.450	-0.050	73	52.450	-0.050	135	52.450	-0.050	197	52.450	-0.050
12	52.450	-0.050	74	52.450	-0.050	136	52.450	-0.050	198	52.450	-0.050
13	52.450	-0.050	75	52.450	-0.050	137	52.450	-0.050	199	52.450	-0.050
14	52.450	-0.050	76	52.450	-0.050	138	52.450	-0.050	200	52.450	-0.050
15	52.450	-0.050	77	52.450	-0.050	139	52.450	-0.050	201	52.450	-0.050
16	52.450	-0.050	78	52.450	-0.050	140	52.450	-0.050	202	52.450	-0.050
17	52.450	-0.050	79	52.450	-0.050	141	52.450	-0.050	203	52.450	-0.050
18	52.450	-0.050	80	52.450	-0.050	142	52.450	-0.050	204	52.450	-0.050
19	52.450	-0.050	81	52.450	-0.050	143	52.450	-0.050	205	52.450	-0.050
20	52.450	-0.050	82	52.450	-0.050	144	52.450	-0.050	206	52.450	-0.050
21	52.450	-0.050	83	52.450	-0.050	145	52.450	-0.050	207	52.450	-0.050
22	52.450	-0.050	84	52.450	-0.050	146	52.450	-0.050	208	52.450	-0.050
23	52.450	-0.050	85	52.450	-0.050	147	52.450	-0.050	209	52.450	-0.050
24	52.450	-0.050	86	52.450	-0.050	148	52.450	-0.050	210	52.450	-0.050
25	52.450	-0.050	87	52.450	-0.050	149	52.450	-0.050	211	52.450	-0.050
26	52.450	-0.050	88	52.450	-0.050	150	52.450	-0.050	212	52.450	-0.050
27	52.450	-0.050	89	52.450	-0.050	151	52.450	-0.050	213	52.450	-0.050
28	52.450	-0.050	90	52.450	-0.050	152	52.450	-0.050	214	52.450	-0.050
29	52.450	-0.050	91	52.450	-0.050	153	52.450	-0.050	215	52.450	-0.050
30	52.450	-0.050	92	52.450	-0.050	154	52.450	-0.050	216	52.450	-0.050
31	52.450	-0.050	93	52.450	-0.050	155	52.450	-0.050	217	52.450	-0.050
32	52.450	-0.050	94	52.450	-0.050	156	52.450	-0.050	218	52.450	-0.050
33	52.450	-0.050	95	52.450	-0.050	157	52.450	-0.050	219	52.450	-0.050
34	52.450	-0.050	96	52.450	-0.050	158	52.450	-0.050	220	52.450	-0.050
35	52.450	-0.050	97	52.450	-0.050	159	52.450	-0.050	221	52.450	-0.050
36	52.450	-0.050	98	52.450	-0.050	160	52.450	-0.050	222	52.450	-0.050
37	52.450	-0.050	99	52.450	-0.050	161	52.450	-0.050	223	52.450	-0.050
38	52.450	-0.050	100	52.450	-0.050	162	52.450	-0.050	224	52.450	-0.050
39	52.450	-0.050	101	52.450	-0.050	163	52.450	-0.050	225	52.450	-0.050
40	52.450	-0.050	102	52.450	-0.050	164	52.450	-0.050	226	52.450	-0.050
41	52.450	-0.050	103	52.450	-0.050	165	52.450	-0.050	227	52.450	-0.050

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Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
228	52.450	-0.050	290	52.450	-0.050	352	52.450	-0.050	414	52.450	-0.050
229	52.450	-0.050	291	52.450	-0.050	353	52.450	-0.050	415	52.450	-0.050
230	52.450	-0.050	292	52.450	-0.050	354	52.450	-0.050	416	52.450	-0.050
231	52.450	-0.050	293	52.450	-0.050	355	52.450	-0.050	417	52.450	-0.050
232	52.450	-0.050	294	52.450	-0.050	356	52.450	-0.050	418	52.450	-0.050
233	52.450	-0.050	295	52.450	-0.050	357	52.450	-0.050	419	52.450	-0.050
234	52.450	-0.050	296	52.450	-0.050	358	52.450	-0.050	420	52.450	-0.050
235	52.450	-0.050	297	52.450	-0.050	359	52.450	-0.050	421	52.450	-0.050
236	52.450	-0.050	298	52.450	-0.050	360	52.450	-0.050	422	52.450	-0.050
237	52.450	-0.050	299	52.450	-0.050	361	52.450	-0.050	423	52.450	-0.050
238	52.450	-0.050	300	52.450	-0.050	362	52.450	-0.050	424	52.450	-0.050
239	52.450	-0.050	301	52.450	-0.050	363	52.450	-0.050	425	52.450	-0.050
240	52.450	-0.050	302	52.450	-0.050	364	52.450	-0.050	426	52.450	-0.050
241	52.450	-0.050	303	52.450	-0.050	365	52.450	-0.050	427	52.450	-0.050
242	52.450	-0.050	304	52.450	-0.050	366	52.450	-0.050	428	52.450	-0.050
243	52.450	-0.050	305	52.450	-0.050	367	52.450	-0.050	429	52.450	-0.050
244	52.450	-0.050	306	52.450	-0.050	368	52.450	-0.050	430	52.450	-0.050
245	52.450	-0.050	307	52.450	-0.050	369	52.450	-0.050	431	52.450	-0.050
246	52.450	-0.050	308	52.450	-0.050	370	52.450	-0.050	432	52.450	-0.050
247	52.450	-0.050	309	52.450	-0.050	371	52.450	-0.050	433	52.450	-0.050
248	52.450	-0.050	310	52.450	-0.050	372	52.450	-0.050	434	52.450	-0.050
249	52.450	-0.050	311	52.450	-0.050	373	52.450	-0.050	435	52.450	-0.050
250	52.450	-0.050	312	52.450	-0.050	374	52.450	-0.050	436	52.450	-0.050
251	52.450	-0.050	313	52.450	-0.050	375	52.450	-0.050	437	52.450	-0.050
252	52.450	-0.050	314	52.450	-0.050	376	52.450	-0.050	438	52.450	-0.050
253	52.450	-0.050	315	52.450	-0.050	377	52.450	-0.050	439	52.450	-0.050
254	52.450	-0.050	316	52.450	-0.050	378	52.450	-0.050	440	52.450	-0.050
255	52.450	-0.050	317	52.450	-0.050	379	52.450	-0.050	441	52.450	-0.050
256	52.450	-0.050	318	52.450	-0.050	380	52.450	-0.050	442	52.450	-0.050
257	52.450	-0.050	319	52.450	-0.050	381	52.450	-0.050	443	52.450	-0.050
258	52.450	-0.050	320	52.450	-0.050	382	52.450	-0.050	444	52.450	-0.050
259	52.450	-0.050	321	52.450	-0.050	383	52.450	-0.050	445	52.450	-0.050
260	52.450	-0.050	322	52.450	-0.050	384	52.450	-0.050	446	52.450	-0.050
261	52.450	-0.050	323	52.450	-0.050	385	52.450	-0.050	447	52.450	-0.050
262	52.450	-0.050	324	52.450	-0.050	386	52.450	-0.050	448	52.450	-0.050
263	52.450	-0.050	325	52.450	-0.050	387	52.450	-0.050	449	52.450	-0.050
264	52.450	-0.050	326	52.450	-0.050	388	52.450	-0.050	450	52.450	-0.050
265	52.450	-0.050	327	52.450	-0.050	389	52.450	-0.050	451	52.450	-0.050
266	52.450	-0.050	328	52.450	-0.050	390	52.450	-0.050	452	52.450	-0.050
267	52.450	-0.050	329	52.450	-0.050	391	52.450	-0.050	453	52.450	-0.050
268	52.450	-0.050	330	52.450	-0.050	392	52.450	-0.050	454	52.450	-0.050
269	52.450	-0.050	331	52.450	-0.050	393	52.450	-0.050	455	52.450	-0.050
270	52.450	-0.050	332	52.450	-0.050	394	52.450	-0.050	456	52.450	-0.050
271	52.450	-0.050	333	52.450	-0.050	395	52.450	-0.050	457	52.450	-0.050
272	52.450	-0.050	334	52.450	-0.050	396	52.450	-0.050	458	52.450	-0.050
273	52.450	-0.050	335	52.450	-0.050	397	52.450	-0.050	459	52.450	-0.050
274	52.450	-0.050	336	52.450	-0.050	398	52.450	-0.050	460	52.450	-0.050
275	52.450	-0.050	337	52.450	-0.050	399	52.450	-0.050	461	52.450	-0.050
276	52.450	-0.050	338	52.450	-0.050	400	52.450	-0.050	462	52.450	-0.050
277	52.450	-0.050	339	52.450	-0.050	401	52.450	-0.050	463	52.450	-0.050
278	52.450	-0.050	340	52.450	-0.050	402	52.450	-0.050	464	52.450	-0.050
279	52.450	-0.050	341	52.450	-0.050	403	52.450	-0.050	465	52.450	-0.050
280	52.450	-0.050	342	52.450	-0.050	404	52.450	-0.050	466	52.450	-0.050
281	52.450	-0.050	343	52.450	-0.050	405	52.450	-0.050	467	52.450	-0.050
282	52.450	-0.050	344	52.450	-0.050	406	52.450	-0.050	468	52.450	-0.050
283	52.450	-0.050	345	52.450	-0.050	407	52.450	-0.050	469	52.450	-0.050
284	52.450	-0.050	346	52.450	-0.050	408	52.450	-0.050	470	52.450	-0.050
285	52.450	-0.050	347	52.450	-0.050	409	52.450	-0.050	471	52.450	-0.050
286	52.450	-0.050	348	52.450	-0.050	410	52.450	-0.050	472	52.450	-0.050
287	52.450	-0.050	349	52.450	-0.050	411	52.450	-0.050	473	52.450	-0.050
288	52.450	-0.050	350	52.450	-0.050	412	52.450	-0.050	474	52.450	-0.050
289	52.450	-0.050	351	52.450	-0.050	413	52.450	-0.050	475	52.450	-0.050

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Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
476	52.450	-0.050	538	52.450	-0.050	600	52.450	-0.050	662	52.450	-0.050
477	52.450	-0.050	539	52.450	-0.050	601	52.450	-0.050	663	52.450	-0.050
478	52.450	-0.050	540	52.450	-0.050	602	52.450	-0.050	664	52.450	-0.050
479	52.450	-0.050	541	52.450	-0.050	603	52.450	-0.050	665	52.450	-0.050
480	52.450	-0.050	542	52.450	-0.050	604	52.450	-0.050	666	52.450	-0.050
481	52.450	-0.050	543	52.450	-0.050	605	52.450	-0.050	667	52.450	-0.050
482	52.450	-0.050	544	52.450	-0.050	606	52.450	-0.050	668	52.450	-0.050
483	52.450	-0.050	545	52.450	-0.050	607	52.450	-0.050	669	52.450	-0.050
484	52.450	-0.050	546	52.450	-0.050	608	52.450	-0.050	670	52.450	-0.050
485	52.450	-0.050	547	52.450	-0.050	609	52.450	-0.050	671	52.450	-0.050
486	52.450	-0.050	548	52.450	-0.050	610	52.450	-0.050	672	52.450	-0.050
487	52.450	-0.050	549	52.450	-0.050	611	52.450	-0.050	673	52.450	-0.050
488	52.450	-0.050	550	52.450	-0.050	612	52.450	-0.050	674	52.450	-0.050
489	52.450	-0.050	551	52.450	-0.050	613	52.450	-0.050	675	52.450	-0.050
490	52.450	-0.050	552	52.450	-0.050	614	52.450	-0.050	676	52.450	-0.050
491	52.450	-0.050	553	52.450	-0.050	615	52.450	-0.050	677	52.450	-0.050
492	52.450	-0.050	554	52.450	-0.050	616	52.450	-0.050	678	52.450	-0.050
493	52.450	-0.050	555	52.450	-0.050	617	52.450	-0.050	679	52.450	-0.050
494	52.450	-0.050	556	52.450	-0.050	618	52.450	-0.050	680	52.450	-0.050
495	52.450	-0.050	557	52.450	-0.050	619	52.450	-0.050	681	52.450	-0.050
496	52.450	-0.050	558	52.450	-0.050	620	52.450	-0.050	682	52.450	-0.050
497	52.450	-0.050	559	52.450	-0.050	621	52.450	-0.050	683	52.450	-0.050
498	52.450	-0.050	560	52.450	-0.050	622	52.450	-0.050	684	52.450	-0.050
499	52.450	-0.050	561	52.450	-0.050	623	52.450	-0.050	685	52.450	-0.050
500	52.450	-0.050	562	52.450	-0.050	624	52.450	-0.050	686	52.450	-0.050
501	52.450	-0.050	563	52.450	-0.050	625	52.450	-0.050	687	52.450	-0.050
502	52.450	-0.050	564	52.450	-0.050	626	52.450	-0.050	688	52.450	-0.050
503	52.450	-0.050	565	52.450	-0.050	627	52.450	-0.050	689	52.450	-0.050
504	52.450	-0.050	566	52.450	-0.050	628	52.450	-0.050	690	52.450	-0.050
505	52.450	-0.050	567	52.450	-0.050	629	52.450	-0.050	691	52.450	-0.050
506	52.450	-0.050	568	52.450	-0.050	630	52.450	-0.050	692	52.450	-0.050
507	52.450	-0.050	569	52.450	-0.050	631	52.450	-0.050	693	52.450	-0.050
508	52.450	-0.050	570	52.450	-0.050	632	52.450	-0.050	694	52.450	-0.050
509	52.450	-0.050	571	52.450	-0.050	633	52.450	-0.050	695	52.450	-0.050
510	52.450	-0.050	572	52.450	-0.050	634	52.450	-0.050	696	52.450	-0.050
511	52.450	-0.050	573	52.450	-0.050	635	52.450	-0.050	697	52.450	-0.050
512	52.450	-0.050	574	52.450	-0.050	636	52.450	-0.050	698	52.450	-0.050
513	52.450	-0.050	575	52.450	-0.050	637	52.450	-0.050	699	52.450	-0.050
514	52.450	-0.050	576	52.450	-0.050	638	52.450	-0.050	700	52.450	-0.050
515	52.450	-0.050	577	52.450	-0.050	639	52.450	-0.050	701	52.450	-0.050
516	52.450	-0.050	578	52.450	-0.050	640	52.450	-0.050	702	52.450	-0.050
517	52.450	-0.050	579	52.450	-0.050	641	52.450	-0.050	703	52.450	-0.050
518	52.450	-0.050	580	52.450	-0.050	642	52.450	-0.050	704	52.450	-0.050
519	52.450	-0.050	581	52.450	-0.050	643	52.450	-0.050	705	52.450	-0.050
520	52.450	-0.050	582	52.450	-0.050	644	52.450	-0.050	706	52.450	-0.050
521	52.450	-0.050	583	52.450	-0.050	645	52.450	-0.050	707	52.450	-0.050
522	52.450	-0.050	584	52.450	-0.050	646	52.450	-0.050	708	52.450	-0.050
523	52.450	-0.050	585	52.450	-0.050	647	52.450	-0.050	709	52.450	-0.050
524	52.450	-0.050	586	52.450	-0.050	648	52.450	-0.050	710	52.450	-0.050
525	52.450	-0.050	587	52.450	-0.050	649	52.450	-0.050	711	52.450	-0.050
526	52.450	-0.050	588	52.450	-0.050	650	52.450	-0.050	712	52.450	-0.050
527	52.450	-0.050	589	52.450	-0.050	651	52.450	-0.050	713	52.450	-0.050
528	52.450	-0.050	590	52.450	-0.050	652	52.450	-0.050	714	52.450	-0.050
529	52.450	-0.050	591	52.450	-0.050	653	52.450	-0.050	715	52.450	-0.050
530	52.450	-0.050	592	52.450	-0.050	654	52.450	-0.050	716	52.450	-0.050
531	52.450	-0.050	593	52.450	-0.050	655	52.450	-0.050	717	52.450	-0.050
532	52.450	-0.050	594	52.450	-0.050	656	52.450	-0.050	718	52.450	-0.050
533	52.450	-0.050	595	52.450	-0.050	657	52.450	-0.050	719	52.450	-0.050
534	52.450	-0.050	596	52.450	-0.050	658	52.450	-0.050	720	52.450	-0.050
535	52.450	-0.050	597	52.450	-0.050	659	52.450	-0.050	721	52.450	-0.050
536	52.450	-0.050	598	52.450	-0.050	660	52.450	-0.050	722	52.450	-0.050
537	52.450	-0.050	599	52.450	-0.050	661	52.450	-0.050	723	52.450	-0.050

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Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
724	52.450	-0.050	786	52.450	-0.050	848	52.450	-0.050	910	52.450	-0.050
725	52.450	-0.050	787	52.450	-0.050	849	52.450	-0.050	911	52.450	-0.050
726	52.450	-0.050	788	52.450	-0.050	850	52.450	-0.050	912	52.450	-0.050
727	52.450	-0.050	789	52.450	-0.050	851	52.450	-0.050	913	52.450	-0.050
728	52.450	-0.050	790	52.450	-0.050	852	52.450	-0.050	914	52.450	-0.050
729	52.450	-0.050	791	52.450	-0.050	853	52.450	-0.050	915	52.450	-0.050
730	52.450	-0.050	792	52.450	-0.050	854	52.450	-0.050	916	52.450	-0.050
731	52.450	-0.050	793	52.450	-0.050	855	52.450	-0.050	917	52.450	-0.050
732	52.450	-0.050	794	52.450	-0.050	856	52.450	-0.050	918	52.450	-0.050
733	52.450	-0.050	795	52.450	-0.050	857	52.450	-0.050	919	52.450	-0.050
734	52.450	-0.050	796	52.450	-0.050	858	52.450	-0.050	920	52.450	-0.050
735	52.450	-0.050	797	52.450	-0.050	859	52.450	-0.050	921	52.450	-0.050
736	52.450	-0.050	798	52.450	-0.050	860	52.450	-0.050	922	52.450	-0.050
737	52.450	-0.050	799	52.450	-0.050	861	52.450	-0.050	923	52.450	-0.050
738	52.450	-0.050	800	52.450	-0.050	862	52.450	-0.050	924	52.450	-0.050
739	52.450	-0.050	801	52.450	-0.050	863	52.450	-0.050	925	52.450	-0.050
740	52.450	-0.050	802	52.450	-0.050	864	52.450	-0.050	926	52.450	-0.050
741	52.450	-0.050	803	52.450	-0.050	865	52.450	-0.050	927	52.450	-0.050
742	52.450	-0.050	804	52.450	-0.050	866	52.450	-0.050	928	52.450	-0.050
743	52.450	-0.050	805	52.450	-0.050	867	52.450	-0.050	929	52.450	-0.050
744	52.450	-0.050	806	52.450	-0.050	868	52.450	-0.050	930	52.450	-0.050
745	52.450	-0.050	807	52.450	-0.050	869	52.450	-0.050	931	52.450	-0.050
746	52.450	-0.050	808	52.450	-0.050	870	52.450	-0.050	932	52.450	-0.050
747	52.450	-0.050	809	52.450	-0.050	871	52.450	-0.050	933	52.450	-0.050
748	52.450	-0.050	810	52.450	-0.050	872	52.450	-0.050	934	52.450	-0.050
749	52.450	-0.050	811	52.450	-0.050	873	52.450	-0.050	935	52.450	-0.050
750	52.450	-0.050	812	52.450	-0.050	874	52.450	-0.050	936	52.450	-0.050
751	52.450	-0.050	813	52.450	-0.050	875	52.450	-0.050	937	52.450	-0.050
752	52.450	-0.050	814	52.450	-0.050	876	52.450	-0.050	938	52.450	-0.050
753	52.450	-0.050	815	52.450	-0.050	877	52.450	-0.050	939	52.450	-0.050
754	52.450	-0.050	816	52.450	-0.050	878	52.450	-0.050	940	52.450	-0.050
755	52.450	-0.050	817	52.450	-0.050	879	52.450	-0.050	941	52.450	-0.050
756	52.450	-0.050	818	52.450	-0.050	880	52.450	-0.050	942	52.450	-0.050
757	52.450	-0.050	819	52.450	-0.050	881	52.450	-0.050	943	52.450	-0.050
758	52.450	-0.050	820	52.450	-0.050	882	52.450	-0.050	944	52.450	-0.050
759	52.450	-0.050	821	52.450	-0.050	883	52.450	-0.050	945	52.450	-0.050
760	52.450	-0.050	822	52.450	-0.050	884	52.450	-0.050	946	52.450	-0.050
761	52.450	-0.050	823	52.450	-0.050	885	52.450	-0.050	947	52.450	-0.050
762	52.450	-0.050	824	52.450	-0.050	886	52.450	-0.050	948	52.450	-0.050
763	52.450	-0.050	825	52.450	-0.050	887	52.450	-0.050	949	52.450	-0.050
764	52.450	-0.050	826	52.450	-0.050	888	52.450	-0.050	950	52.450	-0.050
765	52.450	-0.050	827	52.450	-0.050	889	52.450	-0.050	951	52.450	-0.050
766	52.450	-0.050	828	52.450	-0.050	890	52.450	-0.050	952	52.450	-0.050
767	52.450	-0.050	829	52.450	-0.050	891	52.450	-0.050	953	52.450	-0.050
768	52.450	-0.050	830	52.450	-0.050	892	52.450	-0.050	954	52.450	-0.050
769	52.450	-0.050	831	52.450	-0.050	893	52.450	-0.050	955	52.450	-0.050
770	52.450	-0.050	832	52.450	-0.050	894	52.450	-0.050	956	52.450	-0.050
771	52.450	-0.050	833	52.450	-0.050	895	52.450	-0.050	957	52.450	-0.050
772	52.450	-0.050	834	52.450	-0.050	896	52.450	-0.050	958	52.450	-0.050
773	52.450	-0.050	835	52.450	-0.050	897	52.450	-0.050	959	52.450	-0.050
774	52.450	-0.050	836	52.450	-0.050	898	52.450	-0.050	960	52.450	-0.050
775	52.450	-0.050	837	52.450	-0.050	899	52.450	-0.050	961	52.450	-0.050
776	52.450	-0.050	838	52.450	-0.050	900	52.450	-0.050	962	52.450	-0.050
777	52.450	-0.050	839	52.450	-0.050	901	52.450	-0.050	963	52.450	-0.050
778	52.450	-0.050	840	52.450	-0.050	902	52.450	-0.050	964	52.450	-0.050
779	52.450	-0.050	841	52.450	-0.050	903	52.450	-0.050	965	52.450	-0.050
780	52.450	-0.050	842	52.450	-0.050	904	52.450	-0.050	966	52.450	-0.050
781	52.450	-0.050	843	52.450	-0.050	905	52.450	-0.050	967	52.450	-0.050
782	52.450	-0.050	844	52.450	-0.050	906	52.450	-0.050	968	52.450	-0.050
783	52.450	-0.050	845	52.450	-0.050	907	52.450	-0.050	969	52.450	-0.050
784	52.450	-0.050	846	52.450	-0.050	908	52.450	-0.050	970	52.450	-0.050
785	52.450	-0.050	847	52.450	-0.050	909	52.450	-0.050	971	52.450	-0.050

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Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
972	52.450	-0.050	1034	52.450	-0.050	1096	52.450	-0.050	1158	52.450	-0.050
973	52.450	-0.050	1035	52.450	-0.050	1097	52.450	-0.050	1159	52.450	-0.050
974	52.450	-0.050	1036	52.450	-0.050	1098	52.450	-0.050	1160	52.450	-0.050
975	52.450	-0.050	1037	52.450	-0.050	1099	52.450	-0.050	1161	52.450	-0.050
976	52.450	-0.050	1038	52.450	-0.050	1100	52.450	-0.050	1162	52.450	-0.050
977	52.450	-0.050	1039	52.450	-0.050	1101	52.450	-0.050	1163	52.450	-0.050
978	52.450	-0.050	1040	52.450	-0.050	1102	52.450	-0.050	1164	52.450	-0.050
979	52.450	-0.050	1041	52.450	-0.050	1103	52.450	-0.050	1165	52.450	-0.050
980	52.450	-0.050	1042	52.450	-0.050	1104	52.450	-0.050	1166	52.450	-0.050
981	52.450	-0.050	1043	52.450	-0.050	1105	52.450	-0.050	1167	52.450	-0.050
982	52.450	-0.050	1044	52.450	-0.050	1106	52.450	-0.050	1168	52.450	-0.050
983	52.450	-0.050	1045	52.450	-0.050	1107	52.450	-0.050	1169	52.450	-0.050
984	52.450	-0.050	1046	52.450	-0.050	1108	52.450	-0.050	1170	52.450	-0.050
985	52.450	-0.050	1047	52.450	-0.050	1109	52.450	-0.050	1171	52.450	-0.050
986	52.450	-0.050	1048	52.450	-0.050	1110	52.450	-0.050	1172	52.450	-0.050
987	52.450	-0.050	1049	52.450	-0.050	1111	52.450	-0.050	1173	52.450	-0.050
988	52.450	-0.050	1050	52.450	-0.050	1112	52.450	-0.050	1174	52.450	-0.050
989	52.450	-0.050	1051	52.450	-0.050	1113	52.450	-0.050	1175	52.450	-0.050
990	52.450	-0.050	1052	52.450	-0.050	1114	52.450	-0.050	1176	52.450	-0.050
991	52.450	-0.050	1053	52.450	-0.050	1115	52.450	-0.050	1177	52.450	-0.050
992	52.450	-0.050	1054	52.450	-0.050	1116	52.450	-0.050	1178	52.450	-0.050
993	52.450	-0.050	1055	52.450	-0.050	1117	52.450	-0.050	1179	52.450	-0.050
994	52.450	-0.050	1056	52.450	-0.050	1118	52.450	-0.050	1180	52.450	-0.050
995	52.450	-0.050	1057	52.450	-0.050	1119	52.450	-0.050	1181	52.450	-0.050
996	52.450	-0.050	1058	52.450	-0.050	1120	52.450	-0.050	1182	52.450	-0.050
997	52.450	-0.050	1059	52.450	-0.050	1121	52.450	-0.050	1183	52.450	-0.050
998	52.450	-0.050	1060	52.450	-0.050	1122	52.450	-0.050	1184	52.450	-0.050
999	52.450	-0.050	1061	52.450	-0.050	1123	52.450	-0.050	1185	52.450	-0.050
1000	52.450	-0.050	1062	52.450	-0.050	1124	52.450	-0.050	1186	52.450	-0.050
1001	52.450	-0.050	1063	52.450	-0.050	1125	52.450	-0.050	1187	52.450	-0.050
1002	52.450	-0.050	1064	52.450	-0.050	1126	52.450	-0.050	1188	52.450	-0.050
1003	52.450	-0.050	1065	52.450	-0.050	1127	52.450	-0.050	1189	52.450	-0.050
1004	52.450	-0.050	1066	52.450	-0.050	1128	52.450	-0.050	1190	52.450	-0.050
1005	52.450	-0.050	1067	52.450	-0.050	1129	52.450	-0.050	1191	52.450	-0.050
1006	52.450	-0.050	1068	52.450	-0.050	1130	52.450	-0.050	1192	52.450	-0.050
1007	52.450	-0.050	1069	52.450	-0.050	1131	52.450	-0.050	1193	52.450	-0.050
1008	52.450	-0.050	1070	52.450	-0.050	1132	52.450	-0.050	1194	52.450	-0.050
1009	52.450	-0.050	1071	52.450	-0.050	1133	52.450	-0.050	1195	52.450	-0.050
1010	52.450	-0.050	1072	52.450	-0.050	1134	52.450	-0.050	1196	52.450	-0.050
1011	52.450	-0.050	1073	52.450	-0.050	1135	52.450	-0.050	1197	52.450	-0.050
1012	52.450	-0.050	1074	52.450	-0.050	1136	52.450	-0.050	1198	52.450	-0.050
1013	52.450	-0.050	1075	52.450	-0.050	1137	52.450	-0.050	1199	52.450	-0.050
1014	52.450	-0.050	1076	52.450	-0.050	1138	52.450	-0.050	1200	52.450	-0.050
1015	52.450	-0.050	1077	52.450	-0.050	1139	52.450	-0.050	1201	52.450	-0.050
1016	52.450	-0.050	1078	52.450	-0.050	1140	52.450	-0.050	1202	52.450	-0.050
1017	52.450	-0.050	1079	52.450	-0.050	1141	52.450	-0.050	1203	52.450	-0.050
1018	52.450	-0.050	1080	52.450	-0.050	1142	52.450	-0.050	1204	52.450	-0.050
1019	52.450	-0.050	1081	52.450	-0.050	1143	52.450	-0.050	1205	52.450	-0.050
1020	52.450	-0.050	1082	52.450	-0.050	1144	52.450	-0.050	1206	52.450	-0.050
1021	52.450	-0.050	1083	52.450	-0.050	1145	52.450	-0.050	1207	52.450	-0.050
1022	52.450	-0.050	1084	52.450	-0.050	1146	52.450	-0.050	1208	52.450	-0.050
1023	52.450	-0.050	1085	52.450	-0.050	1147	52.450	-0.050	1209	52.450	-0.050
1024	52.450	-0.050	1086	52.450	-0.050	1148	52.450	-0.050	1210	52.450	-0.050
1025	52.450	-0.050	1087	52.450	-0.050	1149	52.450	-0.050	1211	52.450	-0.050
1026	52.450	-0.050	1088	52.450	-0.050	1150	52.450	-0.050	1212	52.450	-0.050
1027	52.450	-0.050	1089	52.450	-0.050	1151	52.450	-0.050	1213	52.450	-0.050
1028	52.450	-0.050	1090	52.450	-0.050	1152	52.450	-0.050	1214	52.450	-0.050
1029	52.450	-0.050	1091	52.450	-0.050	1153	52.450	-0.050	1215	52.450	-0.050
1030	52.450	-0.050	1092	52.450	-0.050	1154	52.450	-0.050	1216	52.450	-0.050
1031	52.450	-0.050	1093	52.450	-0.050	1155	52.450	-0.050	1217	52.450	-0.050
1032	52.450	-0.050	1094	52.450	-0.050	1156	52.450	-0.050	1218	52.450	-0.050
1033	52.450	-0.050	1095	52.450	-0.050	1157	52.450	-0.050	1219	52.450	-0.050

Phil Brant Engineering Ltd		Page 7
6 Northfields Way East Leake Loughborough LE12 6RZ	HATTON	
Date 08 July 2017 14:57 File Storm4 30yr15min.SIM	Designed By HOME Checked By	
Micro Drainage	Simulation W.11.4	

Surcharged Outfalls

Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)	Time (mins)	Level (m)	Depth (m)
1220	52.450	-0.050	1276	52.450	-0.050	1332	52.450	-0.050	1388	52.450	-0.050
1221	52.450	-0.050	1277	52.450	-0.050	1333	52.450	-0.050	1389	52.450	-0.050
1222	52.450	-0.050	1278	52.450	-0.050	1334	52.450	-0.050	1390	52.450	-0.050
1223	52.450	-0.050	1279	52.450	-0.050	1335	52.450	-0.050	1391	52.450	-0.050
1224	52.450	-0.050	1280	52.450	-0.050	1336	52.450	-0.050	1392	52.450	-0.050
1225	52.450	-0.050	1281	52.450	-0.050	1337	52.450	-0.050	1393	52.450	-0.050
1226	52.450	-0.050	1282	52.450	-0.050	1338	52.450	-0.050	1394	52.450	-0.050
1227	52.450	-0.050	1283	52.450	-0.050	1339	52.450	-0.050	1395	52.450	-0.050
1228	52.450	-0.050	1284	52.450	-0.050	1340	52.450	-0.050	1396	52.450	-0.050
1229	52.450	-0.050	1285	52.450	-0.050	1341	52.450	-0.050	1397	52.450	-0.050
1230	52.450	-0.050	1286	52.450	-0.050	1342	52.450	-0.050	1398	52.450	-0.050
1231	52.450	-0.050	1287	52.450	-0.050	1343	52.450	-0.050	1399	52.450	-0.050
1232	52.450	-0.050	1288	52.450	-0.050	1344	52.450	-0.050	1400	52.450	-0.050
1233	52.450	-0.050	1289	52.450	-0.050	1345	52.450	-0.050	1401	52.450	-0.050
1234	52.450	-0.050	1290	52.450	-0.050	1346	52.450	-0.050	1402	52.450	-0.050
1235	52.450	-0.050	1291	52.450	-0.050	1347	52.450	-0.050	1403	52.450	-0.050
1236	52.450	-0.050	1292	52.450	-0.050	1348	52.450	-0.050	1404	52.450	-0.050
1237	52.450	-0.050	1293	52.450	-0.050	1349	52.450	-0.050	1405	52.450	-0.050
1238	52.450	-0.050	1294	52.450	-0.050	1350	52.450	-0.050	1406	52.450	-0.050
1239	52.450	-0.050	1295	52.450	-0.050	1351	52.450	-0.050	1407	52.450	-0.050
1240	52.450	-0.050	1296	52.450	-0.050	1352	52.450	-0.050	1408	52.450	-0.050
1241	52.450	-0.050	1297	52.450	-0.050	1353	52.450	-0.050	1409	52.450	-0.050
1242	52.450	-0.050	1298	52.450	-0.050	1354	52.450	-0.050	1410	52.450	-0.050
1243	52.450	-0.050	1299	52.450	-0.050	1355	52.450	-0.050	1411	52.450	-0.050
1244	52.450	-0.050	1300	52.450	-0.050	1356	52.450	-0.050	1412	52.450	-0.050
1245	52.450	-0.050	1301	52.450	-0.050	1357	52.450	-0.050	1413	52.450	-0.050
1246	52.450	-0.050	1302	52.450	-0.050	1358	52.450	-0.050	1414	52.450	-0.050
1247	52.450	-0.050	1303	52.450	-0.050	1359	52.450	-0.050	1415	52.450	-0.050
1248	52.450	-0.050	1304	52.450	-0.050	1360	52.450	-0.050	1416	52.450	-0.050
1249	52.450	-0.050	1305	52.450	-0.050	1361	52.450	-0.050	1417	52.450	-0.050
1250	52.450	-0.050	1306	52.450	-0.050	1362	52.450	-0.050	1418	52.450	-0.050
1251	52.450	-0.050	1307	52.450	-0.050	1363	52.450	-0.050	1419	52.450	-0.050
1252	52.450	-0.050	1308	52.450	-0.050	1364	52.450	-0.050	1420	52.450	-0.050
1253	52.450	-0.050	1309	52.450	-0.050	1365	52.450	-0.050	1421	52.450	-0.050
1254	52.450	-0.050	1310	52.450	-0.050	1366	52.450	-0.050	1422	52.450	-0.050
1255	52.450	-0.050	1311	52.450	-0.050	1367	52.450	-0.050	1423	52.450	-0.050
1256	52.450	-0.050	1312	52.450	-0.050	1368	52.450	-0.050	1424	52.450	-0.050
1257	52.450	-0.050	1313	52.450	-0.050	1369	52.450	-0.050	1425	52.450	-0.050
1258	52.450	-0.050	1314	52.450	-0.050	1370	52.450	-0.050	1426	52.450	-0.050
1259	52.450	-0.050	1315	52.450	-0.050	1371	52.450	-0.050	1427	52.450	-0.050
1260	52.450	-0.050	1316	52.450	-0.050	1372	52.450	-0.050	1428	52.450	-0.050
1261	52.450	-0.050	1317	52.450	-0.050	1373	52.450	-0.050	1429	52.450	-0.050
1262	52.450	-0.050	1318	52.450	-0.050	1374	52.450	-0.050	1430	52.450	-0.050
1263	52.450	-0.050	1319	52.450	-0.050	1375	52.450	-0.050	1431	52.450	-0.050
1264	52.450	-0.050	1320	52.450	-0.050	1376	52.450	-0.050	1432	52.450	-0.050
1265	52.450	-0.050	1321	52.450	-0.050	1377	52.450	-0.050	1433	52.450	-0.050
1266	52.450	-0.050	1322	52.450	-0.050	1378	52.450	-0.050	1434	52.450	-0.050
1267	52.450	-0.050	1323	52.450	-0.050	1379	52.450	-0.050	1435	52.450	-0.050
1268	52.450	-0.050	1324	52.450	-0.050	1380	52.450	-0.050	1436	52.450	-0.050
1269	52.450	-0.050	1325	52.450	-0.050	1381	52.450	-0.050	1437	52.450	-0.050
1270	52.450	-0.050	1326	52.450	-0.050	1382	52.450	-0.050	1438	52.450	-0.050
1271	52.450	-0.050	1327	52.450	-0.050	1383	52.450	-0.050	1439	52.450	-0.050
1272	52.450	-0.050	1328	52.450	-0.050	1384	52.450	-0.050	1440	52.450	-0.050
1273	52.450	-0.050	1329	52.450	-0.050	1385	52.450	-0.050			
1274	52.450	-0.050	1330	52.450	-0.050	1386	52.450	-0.050			
1275	52.450	-0.050	1331	52.450	-0.050	1387	52.450	-0.050			

On-Line Controls (Hydro-Brake®)

US/PN	Volume (m ³)	Ctrl MH Name	Invert (m)	Type	Dia (m)	D.Head (m)	D.Flow (l/s)	Headloss (m)	Flow (l/s)
1.006	4.692	13	52.122	Md1	0.091	1.000	9.2	0.1	3.6
								0.2	4.9
								0.3	5.0
								0.4	5.8
								0.5	6.5
								0.6	7.1
								0.7	7.7
								0.8	8.2
								0.9	8.7
								1.0	9.2
								1.2	10.0
								1.4	10.8
2.004	3.626	13	52.122	Md1	0.091	1.000	9.2	1.6	11.6
								0.1	3.6
								0.2	4.9
								0.3	5.0
								0.4	5.8
								0.5	6.5
								0.6	7.1
								0.7	7.7
								0.8	8.2
								0.9	8.7
								1.0	9.2
								1.2	10.0
								1.4	10.8
								1.6	11.6

Storage Pond at pipe 1.007 USMH 13

Storage Pond Invert Level (m) 52.122

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.0	600.0	0.4	600.0	0.8	600.0	1.2	600.0	1.6	600.0	2.0	600.0	2.4	600.0
0.1	600.0	0.5	600.0	0.9	600.0	1.3	600.0	1.7	600.0	2.1	600.0	2.5	600.0
0.2	600.0	0.6	600.0	1.0	600.0	1.4	600.0	1.8	600.0	2.2	600.0		
0.3	600.0	0.7	600.0	1.1	600.0	1.5	600.0	1.9	600.0	2.3	600.0		

Summary of Results

Return Period (years)	30
Storm Duration (mins)	15
Profile Type	Summer
Margin for Flood Risk warning (mm)	275
Analysis Time Step	2.5 second increment (extended)
DTS Status	ON
DVD Status	ON
Inertia Status	OFF

PN	Water Lev. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000	53.090	-0.090	0.000	0.34	0.0	36.6	0 K
1.001	53.060	-0.081	0.000	0.29	0.0	40.2	0 K
1.002	53.001	-0.064	0.000	0.50	0.0	73.2	0 K
1.003	52.937	0.007	0.000	0.84	0.0	91.2	SURCH'ED
1.004	52.907	0.016	0.000	0.80	0.0	109.7	SURCH'ED
1.005	52.818	0.004	0.000	1.38	0.0	144.3	SURCH'ED
1.006	52.614	-0.183	0.000	0.62	0.0	147.1	0 K
2.000	53.050	-0.122	0.000	0.42	0.0	15.9	0 K
2.001	52.748	-0.237	0.000	0.34	0.0	47.6	0 K
2.002	52.692	-0.205	0.000	0.44	0.0	59.8	0 K
2.003	52.639	-0.193	0.000	0.61	0.0	64.1	0 K
2.004	52.499	-0.298	0.000	0.25	0.0	64.2	0 K
1.007	52.319	-0.253	0.000	0.00	0.0	0.0	0 K