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Caversham Bridge House	Green Park Village	
Waterman Place	Phase 1	
Reading RG1 8DN	Surface Water Network	
Date 01.07.2010	Designed By VH	
File Phase 1.SUM	Checked By	
Micro Drainage	Simulation W.11.4 net	

Global Variables

Region	FSR - England & Wales
Return Period (yrs)	100
M5-60 (mm)	18.800
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	2.000
Foul Sewage/Hectare (l/s)	0.00
Additional Flow - % of Total Flow	0
Inlet Coefficient	0.800
Number of Input Hydrographs	0
Number of Time/Area Diagrams	0
Number of Bifurcations	0
Number of Overflows	0
Number of Off-Line Controls	3
Number of On-Line Controls	4

Starting Storm file name

J:\11321\2002\Windes\Networks june 2010\compatibility\Phase 1.SWS

Surcharged Outfalls

Outfall			Outfall			C.Level			I.Level			D,L			B		
Pipe Number			MH/No			(m)			(m)			(mm)			(mm)		
10.011			O/F 1			40.200			38.277			100			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	38.709	0.332	-84	38.709	0.332	-48	38.709	0.332	-12	38.709	0.332						
-119	38.709	0.332	-83	38.709	0.332	-47	38.709	0.332	-11	38.709	0.332						
-118	38.709	0.332	-82	38.709	0.332	-46	38.709	0.332	-10	38.709	0.332						
-117	38.709	0.332	-81	38.709	0.332	-45	38.709	0.332	-9	38.709	0.332						
-116	38.709	0.332	-80	38.709	0.332	-44	38.709	0.332	-8	38.709	0.332						
-115	38.709	0.332	-79	38.709	0.332	-43	38.709	0.332	-7	38.709	0.332						
-114	38.709	0.332	-78	38.709	0.332	-42	38.709	0.332	-6	38.709	0.332						
-113	38.709	0.332	-77	38.709	0.332	-41	38.709	0.332	-5	38.709	0.332						
-112	38.709	0.332	-76	38.709	0.332	-40	38.709	0.332	-4	38.709	0.332						
-111	38.709	0.332	-75	38.709	0.332	-39	38.709	0.332	-3	38.709	0.332						
-110	38.709	0.332	-74	38.709	0.332	-38	38.709	0.332	-2	38.709	0.332						
-109	38.709	0.332	-73	38.709	0.332	-37	38.709	0.332	-1	38.709	0.332						
-108	38.709	0.332	-72	38.709	0.332	-36	38.709	0.332	0	38.709	0.332						
-107	38.709	0.332	-71	38.709	0.332	-35	38.709	0.332	1	38.709	0.332						
-106	38.709	0.332	-70	38.709	0.332	-34	38.709	0.332	2	38.709	0.332						
-105	38.709	0.332	-69	38.709	0.332	-33	38.709	0.332	3	38.709	0.332						
-104	38.709	0.332	-68	38.709	0.332	-32	38.709	0.332	4	38.709	0.332						
-103	38.709	0.332	-67	38.709	0.332	-31	38.709	0.332	5	38.709	0.332						
-102	38.709	0.332	-66	38.709	0.332	-30	38.709	0.332	6	38.709	0.332						
-101	38.709	0.332	-65	38.709	0.332	-29	38.709	0.332	7	38.709	0.332						
-100	38.709	0.332	-64	38.709	0.332	-28	38.709	0.332	8	38.709	0.332						
-99	38.709	0.332	-63	38.709	0.332	-27	38.709	0.332	9	38.709	0.332						
-98	38.709	0.332	-62	38.709	0.332	-26	38.709	0.332	10	38.709	0.332						
-97	38.709	0.332	-61	38.709	0.332	-25	38.709	0.332	11	38.709	0.332						
-96	38.709	0.332	-60	38.709	0.332	-24	38.709	0.332	12	38.709	0.332						
-95	38.709	0.332	-59	38.709	0.332	-23	38.709	0.332	13	38.709	0.332						
-94	38.709	0.332	-58	38.709	0.332	-22	38.709	0.332	14	38.709	0.332						
-93	38.709	0.332	-57	38.709	0.332	-21	38.709	0.332	15	38.709	0.332						
-92	38.709	0.332	-56	38.709	0.332	-20	38.709	0.332	16	38.709	0.332						
-91	38.709	0.332	-55	38.709	0.332	-19	38.709	0.332	17	38.709	0.332						
-90	38.709	0.332	-54	38.709	0.332	-18	38.709	0.332	18	38.709	0.332						
-89	38.709	0.332	-53	38.709	0.332	-17	38.709	0.332	19	38.709	0.332						
-88	38.709	0.332	-52	38.709	0.332	-16	38.709	0.332	20	38.709	0.332						
-87	38.709	0.332	-51	38.709	0.332	-15	38.709	0.332	21	38.709	0.332						
-86	38.709	0.332	-50	38.709	0.332	-14	38.709	0.332	22	38.709	0.332						
-85	38.709	0.332	-49	38.709	0.332	-13	38.709	0.332	23	38.709	0.332						

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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)
24	38.709	0.332	97	38.709	0.332	170	38.709	0.332	243	38.709	0.332
25	38.709	0.332	98	38.709	0.332	171	38.709	0.332	244	38.709	0.332
26	38.709	0.332	99	38.709	0.332	172	38.709	0.332	245	38.709	0.332
27	38.709	0.332	100	38.709	0.332	173	38.709	0.332	246	38.709	0.332
28	38.709	0.332	101	38.709	0.332	174	38.709	0.332	247	38.709	0.332
29	38.709	0.332	102	38.709	0.332	175	38.709	0.332	248	38.709	0.332
30	38.709	0.332	103	38.709	0.332	176	38.709	0.332	249	38.709	0.332
31	38.709	0.332	104	38.709	0.332	177	38.709	0.332	250	38.709	0.332
32	38.709	0.332	105	38.709	0.332	178	38.709	0.332	251	38.709	0.332
33	38.709	0.332	106	38.709	0.332	179	38.709	0.332	252	38.709	0.332
34	38.709	0.332	107	38.709	0.332	180	38.709	0.332	253	38.709	0.332
35	38.709	0.332	108	38.709	0.332	181	38.709	0.332	254	38.709	0.332
36	38.709	0.332	109	38.709	0.332	182	38.709	0.332	255	38.709	0.332
37	38.709	0.332	110	38.709	0.332	183	38.709	0.332	256	38.709	0.332
38	38.709	0.332	111	38.709	0.332	184	38.709	0.332	257	38.709	0.332
39	38.709	0.332	112	38.709	0.332	185	38.709	0.332	258	38.709	0.332
40	38.709	0.332	113	38.709	0.332	186	38.709	0.332	259	38.709	0.332
41	38.709	0.332	114	38.709	0.332	187	38.709	0.332	260	38.709	0.332
42	38.709	0.332	115	38.709	0.332	188	38.709	0.332	261	38.709	0.332
43	38.709	0.332	116	38.709	0.332	189	38.709	0.332	262	38.709	0.332
44	38.709	0.332	117	38.709	0.332	190	38.709	0.332	263	38.709	0.332
45	38.709	0.332	118	38.709	0.332	191	38.709	0.332	264	38.709	0.332
46	38.709	0.332	119	38.709	0.332	192	38.709	0.332	265	38.709	0.332
47	38.709	0.332	120	38.709	0.332	193	38.709	0.332	266	38.709	0.332
48	38.709	0.332	121	38.709	0.332	194	38.709	0.332	267	38.709	0.332
49	38.709	0.332	122	38.709	0.332	195	38.709	0.332	268	38.709	0.332
50	38.709	0.332	123	38.709	0.332	196	38.709	0.332	269	38.709	0.332
51	38.709	0.332	124	38.709	0.332	197	38.709	0.332	270	38.709	0.332
52	38.709	0.332	125	38.709	0.332	198	38.709	0.332	271	38.709	0.332
53	38.709	0.332	126	38.709	0.332	199	38.709	0.332	272	38.709	0.332
54	38.709	0.332	127	38.709	0.332	200	38.709	0.332	273	38.709	0.332
55	38.709	0.332	128	38.709	0.332	201	38.709	0.332	274	38.709	0.332
56	38.709	0.332	129	38.709	0.332	202	38.709	0.332	275	38.709	0.332
57	38.709	0.332	130	38.709	0.332	203	38.709	0.332	276	38.709	0.332
58	38.709	0.332	131	38.709	0.332	204	38.709	0.332	277	38.709	0.332
59	38.709	0.332	132	38.709	0.332	205	38.709	0.332	278	38.709	0.332
60	38.709	0.332	133	38.709	0.332	206	38.709	0.332	279	38.709	0.332
61	38.709	0.332	134	38.709	0.332	207	38.709	0.332	280	38.709	0.332
62	38.709	0.332	135	38.709	0.332	208	38.709	0.332	281	38.709	0.332
63	38.709	0.332	136	38.709	0.332	209	38.709	0.332	282	38.709	0.332
64	38.709	0.332	137	38.709	0.332	210	38.709	0.332	283	38.709	0.332
65	38.709	0.332	138	38.709	0.332	211	38.709	0.332	284	38.709	0.332
66	38.709	0.332	139	38.709	0.332	212	38.709	0.332	285	38.709	0.332
67	38.709	0.332	140	38.709	0.332	213	38.709	0.332	286	38.709	0.332
68	38.709	0.332	141	38.709	0.332	214	38.709	0.332	287	38.709	0.332
69	38.709	0.332	142	38.709	0.332	215	38.709	0.332	288	38.709	0.332
70	38.709	0.332	143	38.709	0.332	216	38.709	0.332	289	38.709	0.332
71	38.709	0.332	144	38.709	0.332	217	38.709	0.332	290	38.709	0.332
72	38.709	0.332	145	38.709	0.332	218	38.709	0.332	291	38.709	0.332
73	38.709	0.332	146	38.709	0.332	219	38.709	0.332	292	38.709	0.332
74	38.709	0.332	147	38.709	0.332	220	38.709	0.332	293	38.709	0.332
75	38.709	0.332	148	38.709	0.332	221	38.709	0.332	294	38.709	0.332
76	38.709	0.332	149	38.709	0.332	222	38.709	0.332	295	38.709	0.332
77	38.709	0.332	150	38.709	0.332	223	38.709	0.332	296	38.709	0.332
78	38.709	0.332	151	38.709	0.332	224	38.709	0.332	297	38.709	0.332
79	38.709	0.332	152	38.709	0.332	225	38.709	0.332	298	38.709	0.332
80	38.709	0.332	153	38.709	0.332	226	38.709	0.332	299	38.709	0.332
81	38.709	0.332	154	38.709	0.332	227	38.709	0.332	300	38.709	0.332
82	38.709	0.332	155	38.709	0.332	228	38.709	0.332	301	38.709	0.332
83	38.709	0.332	156	38.709	0.332	229	38.709	0.332	302	38.709	0.332
84	38.709	0.332	157	38.709	0.332	230	38.709	0.332	303	38.709	0.332
85	38.709	0.332	158	38.709	0.332	231	38.709	0.332	304	38.709	0.332
86	38.709	0.332	159	38.709	0.332	232	38.709	0.332	305	38.709	0.332
87	38.709	0.332	160	38.709	0.332	233	38.709	0.332	306	38.709	0.332
88	38.709	0.332	161	38.709	0.332	234	38.709	0.332	307	38.709	0.332
89	38.709	0.332	162	38.709	0.332	235	38.709	0.332	308	38.709	0.332
90	38.709	0.332	163	38.709	0.332	236	38.709	0.332	309	38.709	0.332
91	38.709	0.332	164	38.709	0.332	237	38.709	0.332	310	38.709	0.332
92	38.709	0.332	165	38.709	0.332	238	38.709	0.332	311	38.709	0.332
93	38.709	0.332	166	38.709	0.332	239	38.709	0.332	312	38.709	0.332
94	38.709	0.332	167	38.709	0.332	240	38.709	0.332	313	38.709	0.332
95	38.709	0.332	168	38.709	0.332	241	38.709	0.332	314	38.709	0.332
96	38.709	0.332	169	38.709	0.332	242	38.709	0.332	315	38.709	0.332

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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)
316	38.709	0.332	389	38.709	0.332	462	38.709	0.332	535	38.709	0.332
317	38.709	0.332	390	38.709	0.332	463	38.709	0.332	536	38.709	0.332
318	38.709	0.332	391	38.709	0.332	464	38.709	0.332	537	38.709	0.332
319	38.709	0.332	392	38.709	0.332	465	38.709	0.332	538	38.709	0.332
320	38.709	0.332	393	38.709	0.332	466	38.709	0.332	539	38.709	0.332
321	38.709	0.332	394	38.709	0.332	467	38.709	0.332	540	38.709	0.332
322	38.709	0.332	395	38.709	0.332	468	38.709	0.332	541	38.709	0.332
323	38.709	0.332	396	38.709	0.332	469	38.709	0.332	542	38.709	0.332
324	38.709	0.332	397	38.709	0.332	470	38.709	0.332	543	38.709	0.332
325	38.709	0.332	398	38.709	0.332	471	38.709	0.332	544	38.709	0.332
326	38.709	0.332	399	38.709	0.332	472	38.709	0.332	545	38.709	0.332
327	38.709	0.332	400	38.709	0.332	473	38.709	0.332	546	38.709	0.332
328	38.709	0.332	401	38.709	0.332	474	38.709	0.332	547	38.709	0.332
329	38.709	0.332	402	38.709	0.332	475	38.709	0.332	548	38.709	0.332
330	38.709	0.332	403	38.709	0.332	476	38.709	0.332	549	38.709	0.332
331	38.709	0.332	404	38.709	0.332	477	38.709	0.332	550	38.709	0.332
332	38.709	0.332	405	38.709	0.332	478	38.709	0.332	551	38.709	0.332
333	38.709	0.332	406	38.709	0.332	479	38.709	0.332	552	38.709	0.332
334	38.709	0.332	407	38.709	0.332	480	38.709	0.332	553	38.709	0.332
335	38.709	0.332	408	38.709	0.332	481	38.709	0.332	554	38.709	0.332
336	38.709	0.332	409	38.709	0.332	482	38.709	0.332	555	38.709	0.332
337	38.709	0.332	410	38.709	0.332	483	38.709	0.332	556	38.709	0.332
338	38.709	0.332	411	38.709	0.332	484	38.709	0.332	557	38.709	0.332
339	38.709	0.332	412	38.709	0.332	485	38.709	0.332	558	38.709	0.332
340	38.709	0.332	413	38.709	0.332	486	38.709	0.332	559	38.709	0.332
341	38.709	0.332	414	38.709	0.332	487	38.709	0.332	560	38.709	0.332
342	38.709	0.332	415	38.709	0.332	488	38.709	0.332	561	38.709	0.332
343	38.709	0.332	416	38.709	0.332	489	38.709	0.332	562	38.709	0.332
344	38.709	0.332	417	38.709	0.332	490	38.709	0.332	563	38.709	0.332
345	38.709	0.332	418	38.709	0.332	491	38.709	0.332	564	38.709	0.332
346	38.709	0.332	419	38.709	0.332	492	38.709	0.332	565	38.709	0.332
347	38.709	0.332	420	38.709	0.332	493	38.709	0.332	566	38.709	0.332
348	38.709	0.332	421	38.709	0.332	494	38.709	0.332	567	38.709	0.332
349	38.709	0.332	422	38.709	0.332	495	38.709	0.332	568	38.709	0.332
350	38.709	0.332	423	38.709	0.332	496	38.709	0.332	569	38.709	0.332
351	38.709	0.332	424	38.709	0.332	497	38.709	0.332	570	38.709	0.332
352	38.709	0.332	425	38.709	0.332	498	38.709	0.332	571	38.709	0.332
353	38.709	0.332	426	38.709	0.332	499	38.709	0.332	572	38.709	0.332
354	38.709	0.332	427	38.709	0.332	500	38.709	0.332	573	38.709	0.332
355	38.709	0.332	428	38.709	0.332	501	38.709	0.332	574	38.709	0.332
356	38.709	0.332	429	38.709	0.332	502	38.709	0.332	575	38.709	0.332
357	38.709	0.332	430	38.709	0.332	503	38.709	0.332	576	38.709	0.332
358	38.709	0.332	431	38.709	0.332	504	38.709	0.332	577	38.709	0.332
359	38.709	0.332	432	38.709	0.332	505	38.709	0.332	578	38.709	0.332
360	38.709	0.332	433	38.709	0.332	506	38.709	0.332	579	38.709	0.332
361	38.709	0.332	434	38.709	0.332	507	38.709	0.332	580	38.709	0.332
362	38.709	0.332	435	38.709	0.332	508	38.709	0.332	581	38.709	0.332
363	38.709	0.332	436	38.709	0.332	509	38.709	0.332	582	38.709	0.332
364	38.709	0.332	437	38.709	0.332	510	38.709	0.332	583	38.709	0.332
365	38.709	0.332	438	38.709	0.332	511	38.709	0.332	584	38.709	0.332
366	38.709	0.332	439	38.709	0.332	512	38.709	0.332	585	38.709	0.332
367	38.709	0.332	440	38.709	0.332	513	38.709	0.332	586	38.709	0.332
368	38.709	0.332	441	38.709	0.332	514	38.709	0.332	587	38.709	0.332
369	38.709	0.332	442	38.709	0.332	515	38.709	0.332	588	38.709	0.332
370	38.709	0.332	443	38.709	0.332	516	38.709	0.332	589	38.709	0.332
371	38.709	0.332	444	38.709	0.332	517	38.709	0.332	590	38.709	0.332
372	38.709	0.332	445	38.709	0.332	518	38.709	0.332	591	38.709	0.332
373	38.709	0.332	446	38.709	0.332	519	38.709	0.332	592	38.709	0.332
374	38.709	0.332	447	38.709	0.332	520	38.709	0.332	593	38.709	0.332
375	38.709	0.332	448	38.709	0.332	521	38.709	0.332	594	38.709	0.332
376	38.709	0.332	449	38.709	0.332	522	38.709	0.332	595	38.709	0.332
377	38.709	0.332	450	38.709	0.332	523	38.709	0.332	596	38.709	0.332
378	38.709	0.332	451	38.709	0.332	524	38.709	0.332	597	38.709	0.332
379	38.709	0.332	452	38.709	0.332	525	38.709	0.332	598	38.709	0.332
380	38.709	0.332	453	38.709	0.332	526	38.709	0.332	599	38.709	0.332
381	38.709	0.332	454	38.709	0.332	527	38.709	0.332	600	38.709	0.332
382	38.709	0.332	455	38.709	0.332	528	38.709	0.332	601	38.709	0.332
383	38.709	0.332	456	38.709	0.332	529	38.709	0.332	602	38.709	0.332
384	38.709	0.332	457	38.709	0.332	530	38.709	0.332	603	38.709	0.332
385	38.709	0.332	458	38.709	0.332	531	38.709	0.332	604	38.709	0.332
386	38.709	0.332	459	38.709	0.332	532	38.709	0.332	605	38.709	0.332
387	38.709	0.332	460	38.709	0.332	533	38.709	0.332	606	38.709	0.332
388	38.709	0.332	461	38.709	0.332	534	38.709	0.332	607	38.709	0.332

Peter Brett Associates LLP		Page 4
Caversham Bridge House	Green Park Village	
Waterman Place	Phase 1	
Reading RG1 8DN	Surface Water Network	
Date 01.07.2010	Designed By VH	
File Phase 1.SUM	Checked By	
Micro Drainage	Simulation W.11.4 net	

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)
608	38.709	0.332	681	38.709	0.332	754	38.709	0.332	827	38.709	0.332
609	38.709	0.332	682	38.709	0.332	755	38.709	0.332	828	38.709	0.332
610	38.709	0.332	683	38.709	0.332	756	38.709	0.332	829	38.709	0.332
611	38.709	0.332	684	38.709	0.332	757	38.709	0.332	830	38.709	0.332
612	38.709	0.332	685	38.709	0.332	758	38.709	0.332	831	38.709	0.332
613	38.709	0.332	686	38.709	0.332	759	38.709	0.332	832	38.709	0.332
614	38.709	0.332	687	38.709	0.332	760	38.709	0.332	833	38.709	0.332
615	38.709	0.332	688	38.709	0.332	761	38.709	0.332	834	38.709	0.332
616	38.709	0.332	689	38.709	0.332	762	38.709	0.332	835	38.709	0.332
617	38.709	0.332	690	38.709	0.332	763	38.709	0.332	836	38.709	0.332
618	38.709	0.332	691	38.709	0.332	764	38.709	0.332	837	38.709	0.332
619	38.709	0.332	692	38.709	0.332	765	38.709	0.332	838	38.709	0.332
620	38.709	0.332	693	38.709	0.332	766	38.709	0.332	839	38.709	0.332
621	38.709	0.332	694	38.709	0.332	767	38.709	0.332	840	38.709	0.332
622	38.709	0.332	695	38.709	0.332	768	38.709	0.332	841	38.709	0.332
623	38.709	0.332	696	38.709	0.332	769	38.709	0.332	842	38.709	0.332
624	38.709	0.332	697	38.709	0.332	770	38.709	0.332	843	38.709	0.332
625	38.709	0.332	698	38.709	0.332	771	38.709	0.332	844	38.709	0.332
626	38.709	0.332	699	38.709	0.332	772	38.709	0.332	845	38.709	0.332
627	38.709	0.332	700	38.709	0.332	773	38.709	0.332	846	38.709	0.332
628	38.709	0.332	701	38.709	0.332	774	38.709	0.332	847	38.709	0.332
629	38.709	0.332	702	38.709	0.332	775	38.709	0.332	848	38.709	0.332
630	38.709	0.332	703	38.709	0.332	776	38.709	0.332	849	38.709	0.332
631	38.709	0.332	704	38.709	0.332	777	38.709	0.332	850	38.709	0.332
632	38.709	0.332	705	38.709	0.332	778	38.709	0.332	851	38.709	0.332
633	38.709	0.332	706	38.709	0.332	779	38.709	0.332	852	38.709	0.332
634	38.709	0.332	707	38.709	0.332	780	38.709	0.332	853	38.709	0.332
635	38.709	0.332	708	38.709	0.332	781	38.709	0.332	854	38.709	0.332
636	38.709	0.332	709	38.709	0.332	782	38.709	0.332	855	38.709	0.332
637	38.709	0.332	710	38.709	0.332	783	38.709	0.332	856	38.709	0.332
638	38.709	0.332	711	38.709	0.332	784	38.709	0.332	857	38.709	0.332
639	38.709	0.332	712	38.709	0.332	785	38.709	0.332	858	38.709	0.332
640	38.709	0.332	713	38.709	0.332	786	38.709	0.332	859	38.709	0.332
641	38.709	0.332	714	38.709	0.332	787	38.709	0.332	860	38.709	0.332
642	38.709	0.332	715	38.709	0.332	788	38.709	0.332	861	38.709	0.332
643	38.709	0.332	716	38.709	0.332	789	38.709	0.332	862	38.709	0.332
644	38.709	0.332	717	38.709	0.332	790	38.709	0.332	863	38.709	0.332
645	38.709	0.332	718	38.709	0.332	791	38.709	0.332	864	38.709	0.332
646	38.709	0.332	719	38.709	0.332	792	38.709	0.332	865	38.709	0.332
647	38.709	0.332	720	38.709	0.332	793	38.709	0.332	866	38.709	0.332
648	38.709	0.332	721	38.709	0.332	794	38.709	0.332	867	38.709	0.332
649	38.709	0.332	722	38.709	0.332	795	38.709	0.332	868	38.709	0.332
650	38.709	0.332	723	38.709	0.332	796	38.709	0.332	869	38.709	0.332
651	38.709	0.332	724	38.709	0.332	797	38.709	0.332	870	38.709	0.332
652	38.709	0.332	725	38.709	0.332	798	38.709	0.332	871	38.709	0.332
653	38.709	0.332	726	38.709	0.332	799	38.709	0.332	872	38.709	0.332
654	38.709	0.332	727	38.709	0.332	800	38.709	0.332	873	38.709	0.332
655	38.709	0.332	728	38.709	0.332	801	38.709	0.332	874	38.709	0.332
656	38.709	0.332	729	38.709	0.332	802	38.709	0.332	875	38.709	0.332
657	38.709	0.332	730	38.709	0.332	803	38.709	0.332	876	38.709	0.332
658	38.709	0.332	731	38.709	0.332	804	38.709	0.332	877	38.709	0.332
659	38.709	0.332	732	38.709	0.332	805	38.709	0.332	878	38.709	0.332
660	38.709	0.332	733	38.709	0.332	806	38.709	0.332	879	38.709	0.332
661	38.709	0.332	734	38.709	0.332	807	38.709	0.332	880	38.709	0.332
662	38.709	0.332	735	38.709	0.332	808	38.709	0.332	881	38.709	0.332
663	38.709	0.332	736	38.709	0.332	809	38.709	0.332	882	38.709	0.332
664	38.709	0.332	737	38.709	0.332	810	38.709	0.332	883	38.709	0.332
665	38.709	0.332	738	38.709	0.332	811	38.709	0.332	884	38.709	0.332
666	38.709	0.332	739	38.709	0.332	812	38.709	0.332	885	38.709	0.332
667	38.709	0.332	740	38.709	0.332	813	38.709	0.332	886	38.709	0.332
668	38.709	0.332	741	38.709	0.332	814	38.709	0.332	887	38.709	0.332
669	38.709	0.332	742	38.709	0.332	815	38.709	0.332	888	38.709	0.332
670	38.709	0.332	743	38.709	0.332	816	38.709	0.332	889	38.709	0.332
671	38.709	0.332	744	38.709	0.332	817	38.709	0.332	890	38.709	0.332
672	38.709	0.332	745	38.709	0.332	818	38.709	0.332	891	38.709	0.332
673	38.709	0.332	746	38.709	0.332	819	38.709	0.332	892	38.709	0.332
674	38.709	0.332	747	38.709	0.332	820	38.709	0.332	893	38.709	0.332
675	38.709	0.332	748	38.709	0.332	821	38.709	0.332	894	38.709	0.332
676	38.709	0.332	749	38.709	0.332	822	38.709	0.332	895	38.709	0.332
677	38.709	0.332	750	38.709	0.332	823	38.709	0.332	896	38.709	0.332
678	38.709	0.332	751	38.709	0.332	824	38.709	0.332	897	38.709	0.332
679	38.709	0.332	752	38.709	0.332	825	38.709	0.332	898	38.709	0.332
680	38.709	0.332	753	38.709	0.332	826	38.709	0.332	899	38.709	0.332

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)
900	38.709	0.332	973	38.709	0.332	1046	38.709	0.332	1119	38.709	0.332
901	38.709	0.332	974	38.709	0.332	1047	38.709	0.332	1120	38.709	0.332
902	38.709	0.332	975	38.709	0.332	1048	38.709	0.332	1121	38.709	0.332
903	38.709	0.332	976	38.709	0.332	1049	38.709	0.332	1122	38.709	0.332
904	38.709	0.332	977	38.709	0.332	1050	38.709	0.332	1123	38.709	0.332
905	38.709	0.332	978	38.709	0.332	1051	38.709	0.332	1124	38.709	0.332
906	38.709	0.332	979	38.709	0.332	1052	38.709	0.332	1125	38.709	0.332
907	38.709	0.332	980	38.709	0.332	1053	38.709	0.332	1126	38.709	0.332
908	38.709	0.332	981	38.709	0.332	1054	38.709	0.332	1127	38.709	0.332
909	38.709	0.332	982	38.709	0.332	1055	38.709	0.332	1128	38.709	0.332
910	38.709	0.332	983	38.709	0.332	1056	38.709	0.332	1129	38.709	0.332
911	38.709	0.332	984	38.709	0.332	1057	38.709	0.332	1130	38.709	0.332
912	38.709	0.332	985	38.709	0.332	1058	38.709	0.332	1131	38.709	0.332
913	38.709	0.332	986	38.709	0.332	1059	38.709	0.332	1132	38.709	0.332
914	38.709	0.332	987	38.709	0.332	1060	38.709	0.332	1133	38.709	0.332
915	38.709	0.332	988	38.709	0.332	1061	38.709	0.332	1134	38.709	0.332
916	38.709	0.332	989	38.709	0.332	1062	38.709	0.332	1135	38.709	0.332
917	38.709	0.332	990	38.709	0.332	1063	38.709	0.332	1136	38.709	0.332
918	38.709	0.332	991	38.709	0.332	1064	38.709	0.332	1137	38.709	0.332
919	38.709	0.332	992	38.709	0.332	1065	38.709	0.332	1138	38.709	0.332
920	38.709	0.332	993	38.709	0.332	1066	38.709	0.332	1139	38.709	0.332
921	38.709	0.332	994	38.709	0.332	1067	38.709	0.332	1140	38.709	0.332
922	38.709	0.332	995	38.709	0.332	1068	38.709	0.332	1141	38.709	0.332
923	38.709	0.332	996	38.709	0.332	1069	38.709	0.332	1142	38.709	0.332
924	38.709	0.332	997	38.709	0.332	1070	38.709	0.332	1143	38.709	0.332
925	38.709	0.332	998	38.709	0.332	1071	38.709	0.332	1144	38.709	0.332
926	38.709	0.332	999	38.709	0.332	1072	38.709	0.332	1145	38.709	0.332
927	38.709	0.332	1000	38.709	0.332	1073	38.709	0.332	1146	38.709	0.332
928	38.709	0.332	1001	38.709	0.332	1074	38.709	0.332	1147	38.709	0.332
929	38.709	0.332	1002	38.709	0.332	1075	38.709	0.332	1148	38.709	0.332
930	38.709	0.332	1003	38.709	0.332	1076	38.709	0.332	1149	38.709	0.332
931	38.709	0.332	1004	38.709	0.332	1077	38.709	0.332	1150	38.709	0.332
932	38.709	0.332	1005	38.709	0.332	1078	38.709	0.332	1151	38.709	0.332
933	38.709	0.332	1006	38.709	0.332	1079	38.709	0.332	1152	38.709	0.332
934	38.709	0.332	1007	38.709	0.332	1080	38.709	0.332	1153	38.709	0.332
935	38.709	0.332	1008	38.709	0.332	1081	38.709	0.332	1154	38.709	0.332
936	38.709	0.332	1009	38.709	0.332	1082	38.709	0.332	1155	38.709	0.332
937	38.709	0.332	1010	38.709	0.332	1083	38.709	0.332	1156	38.709	0.332
938	38.709	0.332	1011	38.709	0.332	1084	38.709	0.332	1157	38.709	0.332
939	38.709	0.332	1012	38.709	0.332	1085	38.709	0.332	1158	38.709	0.332
940	38.709	0.332	1013	38.709	0.332	1086	38.709	0.332	1159	38.709	0.332
941	38.709	0.332	1014	38.709	0.332	1087	38.709	0.332	1160	38.709	0.332
942	38.709	0.332	1015	38.709	0.332	1088	38.709	0.332	1161	38.709	0.332
943	38.709	0.332	1016	38.709	0.332	1089	38.709	0.332	1162	38.709	0.332
944	38.709	0.332	1017	38.709	0.332	1090	38.709	0.332	1163	38.709	0.332
945	38.709	0.332	1018	38.709	0.332	1091	38.709	0.332	1164	38.709	0.332
946	38.709	0.332	1019	38.709	0.332	1092	38.709	0.332	1165	38.709	0.332
947	38.709	0.332	1020	38.709	0.332	1093	38.709	0.332	1166	38.709	0.332
948	38.709	0.332	1021	38.709	0.332	1094	38.709	0.332	1167	38.709	0.332
949	38.709	0.332	1022	38.709	0.332	1095	38.709	0.332	1168	38.709	0.332
950	38.709	0.332	1023	38.709	0.332	1096	38.709	0.332	1169	38.709	0.332
951	38.709	0.332	1024	38.709	0.332	1097	38.709	0.332	1170	38.709	0.332
952	38.709	0.332	1025	38.709	0.332	1098	38.709	0.332	1171	38.709	0.332
953	38.709	0.332	1026	38.709	0.332	1099	38.709	0.332	1172	38.709	0.332
954	38.709	0.332	1027	38.709	0.332	1100	38.709	0.332	1173	38.709	0.332
955	38.709	0.332	1028	38.709	0.332	1101	38.709	0.332	1174	38.709	0.332
956	38.709	0.332	1029	38.709	0.332	1102	38.709	0.332	1175	38.709	0.332
957	38.709	0.332	1030	38.709	0.332	1103	38.709	0.332	1176	38.709	0.332
958	38.709	0.332	1031	38.709	0.332	1104	38.709	0.332	1177	38.709	0.332
959	38.709	0.332	1032	38.709	0.332	1105	38.709	0.332	1178	38.709	0.332
960	38.709	0.332	1033	38.709	0.332	1106	38.709	0.332	1179	38.709	0.332
961	38.709	0.332	1034	38.709	0.332	1107	38.709	0.332	1180	38.709	0.332
962	38.709	0.332	1035	38.709	0.332	1108	38.709	0.332	1181	38.709	0.332
963	38.709	0.332	1036	38.709	0.332	1109	38.709	0.332	1182	38.709	0.332
964	38.709	0.332	1037	38.709	0.332	1110	38.709	0.332	1183	38.709	0.332
965	38.709	0.332	1038	38.709	0.332	1111	38.709	0.332	1184	38.709	0.332
966	38.709	0.332	1039	38.709	0.332	1112	38.709	0.332	1185	38.709	0.332
967	38.709	0.332	1040	38.709	0.332	1113	38.709	0.332	1186	38.709	0.332
968	38.709	0.332	1041	38.709	0.332	1114	38.709	0.332	1187	38.709	0.332
969	38.709	0.332	1042	38.709	0.332	1115	38.709	0.332	1188	38.709	0.332
970	38.709	0.332	1043	38.709	0.332	1116	38.709	0.332	1189	38.709	0.332
971	38.709	0.332	1044	38.709	0.332	1117	38.709	0.332	1190	38.709	0.332
972	38.709	0.332	1045	38.709	0.332	1118	38.709	0.332	1191	38.709	0.332

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)
1192	38.709	0.332	1255	38.709	0.332	1318	38.709	0.332	1381	38.709	0.332
1193	38.709	0.332	1256	38.709	0.332	1319	38.709	0.332	1382	38.709	0.332
1194	38.709	0.332	1257	38.709	0.332	1320	38.709	0.332	1383	38.709	0.332
1195	38.709	0.332	1258	38.709	0.332	1321	38.709	0.332	1384	38.709	0.332
1196	38.709	0.332	1259	38.709	0.332	1322	38.709	0.332	1385	38.709	0.332
1197	38.709	0.332	1260	38.709	0.332	1323	38.709	0.332	1386	38.709	0.332
1198	38.709	0.332	1261	38.709	0.332	1324	38.709	0.332	1387	38.709	0.332
1199	38.709	0.332	1262	38.709	0.332	1325	38.709	0.332	1388	38.709	0.332
1200	38.709	0.332	1263	38.709	0.332	1326	38.709	0.332	1389	38.709	0.332
1201	38.709	0.332	1264	38.709	0.332	1327	38.709	0.332	1390	38.709	0.332
1202	38.709	0.332	1265	38.709	0.332	1328	38.709	0.332	1391	38.709	0.332
1203	38.709	0.332	1266	38.709	0.332	1329	38.709	0.332	1392	38.709	0.332
1204	38.709	0.332	1267	38.709	0.332	1330	38.709	0.332	1393	38.709	0.332
1205	38.709	0.332	1268	38.709	0.332	1331	38.709	0.332	1394	38.709	0.332
1206	38.709	0.332	1269	38.709	0.332	1332	38.709	0.332	1395	38.709	0.332
1207	38.709	0.332	1270	38.709	0.332	1333	38.709	0.332	1396	38.709	0.332
1208	38.709	0.332	1271	38.709	0.332	1334	38.709	0.332	1397	38.709	0.332
1209	38.709	0.332	1272	38.709	0.332	1335	38.709	0.332	1398	38.709	0.332
1210	38.709	0.332	1273	38.709	0.332	1336	38.709	0.332	1399	38.709	0.332
1211	38.709	0.332	1274	38.709	0.332	1337	38.709	0.332	1400	38.709	0.332
1212	38.709	0.332	1275	38.709	0.332	1338	38.709	0.332	1401	38.709	0.332
1213	38.709	0.332	1276	38.709	0.332	1339	38.709	0.332	1402	38.709	0.332
1214	38.709	0.332	1277	38.709	0.332	1340	38.709	0.332	1403	38.709	0.332
1215	38.709	0.332	1278	38.709	0.332	1341	38.709	0.332	1404	38.709	0.332
1216	38.709	0.332	1279	38.709	0.332	1342	38.709	0.332	1405	38.709	0.332
1217	38.709	0.332	1280	38.709	0.332	1343	38.709	0.332	1406	38.709	0.332
1218	38.709	0.332	1281	38.709	0.332	1344	38.709	0.332	1407	38.709	0.332
1219	38.709	0.332	1282	38.709	0.332	1345	38.709	0.332	1408	38.709	0.332
1220	38.709	0.332	1283	38.709	0.332	1346	38.709	0.332	1409	38.709	0.332
1221	38.709	0.332	1284	38.709	0.332	1347	38.709	0.332	1410	38.709	0.332
1222	38.709	0.332	1285	38.709	0.332	1348	38.709	0.332	1411	38.709	0.332
1223	38.709	0.332	1286	38.709	0.332	1349	38.709	0.332	1412	38.709	0.332
1224	38.709	0.332	1287	38.709	0.332	1350	38.709	0.332	1413	38.709	0.332
1225	38.709	0.332	1288	38.709	0.332	1351	38.709	0.332	1414	38.709	0.332
1226	38.709	0.332	1289	38.709	0.332	1352	38.709	0.332	1415	38.709	0.332
1227	38.709	0.332	1290	38.709	0.332	1353	38.709	0.332	1416	38.709	0.332
1228	38.709	0.332	1291	38.709	0.332	1354	38.709	0.332	1417	38.709	0.332
1229	38.709	0.332	1292	38.709	0.332	1355	38.709	0.332	1418	38.709	0.332
1230	38.709	0.332	1293	38.709	0.332	1356	38.709	0.332	1419	38.709	0.332
1231	38.709	0.332	1294	38.709	0.332	1357	38.709	0.332	1420	38.709	0.332
1232	38.709	0.332	1295	38.709	0.332	1358	38.709	0.332	1421	38.709	0.332
1233	38.709	0.332	1296	38.709	0.332	1359	38.709	0.332	1422	38.709	0.332
1234	38.709	0.332	1297	38.709	0.332	1360	38.709	0.332	1423	38.709	0.332
1235	38.709	0.332	1298	38.709	0.332	1361	38.709	0.332	1424	38.709	0.332
1236	38.709	0.332	1299	38.709	0.332	1362	38.709	0.332	1425	38.709	0.332
1237	38.709	0.332	1300	38.709	0.332	1363	38.709	0.332	1426	38.709	0.332
1238	38.709	0.332	1301	38.709	0.332	1364	38.709	0.332	1427	38.709	0.332
1239	38.709	0.332	1302	38.709	0.332	1365	38.709	0.332	1428	38.709	0.332
1240	38.709	0.332	1303	38.709	0.332	1366	38.709	0.332	1429	38.709	0.332
1241	38.709	0.332	1304	38.709	0.332	1367	38.709	0.332	1430	38.709	0.332
1242	38.709	0.332	1305	38.709	0.332	1368	38.709	0.332	1431	38.709	0.332
1243	38.709	0.332	1306	38.709	0.332	1369	38.709	0.332	1432	38.709	0.332
1244	38.709	0.332	1307	38.709	0.332	1370	38.709	0.332	1433	38.709	0.332
1245	38.709	0.332	1308	38.709	0.332	1371	38.709	0.332	1434	38.709	0.332
1246	38.709	0.332	1309	38.709	0.332	1372	38.709	0.332	1435	38.709	0.332
1247	38.709	0.332	1310	38.709	0.332	1373	38.709	0.332	1436	38.709	0.332
1248	38.709	0.332	1311	38.709	0.332	1374	38.709	0.332	1437	38.709	0.332
1249	38.709	0.332	1312	38.709	0.332	1375	38.709	0.332	1438	38.709	0.332
1250	38.709	0.332	1313	38.709	0.332	1376	38.709	0.332	1439	38.709	0.332
1251	38.709	0.332	1314	38.709	0.332	1377	38.709	0.332	1440	38.709	0.332
1252	38.709	0.332	1315	38.709	0.332	1378	38.709	0.332			
1253	38.709	0.332	1316	38.709	0.332	1379	38.709	0.332			
1254	38.709	0.332	1317	38.709	0.332	1380	38.709	0.332			

Summary Wizard of "CRITICAL BY RETURN PERIOD"(Rank 1 by Max Level)
Results for Design Storms

Margin for Flood Risk warning (mm)	300
DTS Status	ON
DVD Status	ON
Inertia Status	OFF
Analysis Time Step	2.5 second increment (extended)

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 240, 360, 480, 960, 1440
Return Period(s) (years)	100
Climate Change (%)	30

PN	Storm	Return Period	Climate Change	Rank	First X Surchage	First Y Flood	First Z Overflow	O/F Act
10.000	960 Winter	100	30%	1	100/15 Winter			
10.001	960 Winter	100	30%	1	100/15 Summer			
10.002	960 Winter	100	30%	1	100/15 Summer			
11.000	960 Winter	100	30%	1	100/360 Winter			
11.001	960 Winter	100	30%	1	100/15 Summer			
10.003	960 Winter	100	30%	1	100/15 Summer			
12.000	960 Winter	100	30%	1	100/15 Winter			
10.004	960 Winter	100	30%	1	100/15 Summer			
10.005	960 Winter	100	30%	1	100/15 Summer			
10.006	960 Winter	100	30%	1	100/15 Summer			
13.000	960 Winter	100	30%	1	100/30 Summer			
14.000	960 Winter	100	30%	1	100/15 Summer			
13.001	960 Winter	100	30%	1	100/15 Summer			
10.007	960 Winter	100	30%	1	100/15 Summer			
10.008	960 Winter	100	30%	1	100/15 Summer			
15.000	960 Winter	100	30%	1	100/120 Summer			
16.000	960 Winter	100	30%	1	100/15 Summer			
15.001	960 Winter	100	30%	1	100/60 Summer			
15.002	960 Winter	100	30%	1	100/30 Summer			
17.000	960 Winter	100	30%	1	100/30 Summer			0
10.009	960 Winter	100	30%	1	100/15 Summer		100/15 Summer	18
10.010	960 Winter	100	30%	1	100/15 Summer			
10.011	960 Winter	100	30%	1	100/15 Summer			

Lvl Ex.	PN	Water Lvl. (m)	Surcharged Depth (m)	Flooded Vol (m³)	Flow/ Capacity	Overflow (l/s)	Pipe Flow (l/s)	Status
	10.000	40.159	0.373	0.000	0.03	0.0	2.2	SURCH'ED
	10.001	40.158	0.498	0.000	0.06	0.0	3.7	SURCH'ED
	10.002	40.157	0.589	0.000	0.08	0.0	5.2	SURCH'ED
	11.000	40.155	0.529	0.000	0.02	0.0	1.1	SURCH'ED
	11.001	40.155	0.651	0.000	0.04	0.0	2.3	FLD RISK
	10.003	40.154	0.763	0.000	0.08	0.0	8.1	FLD RISK
	12.000	40.156	0.596	0.000	0.06	0.0	2.3	SURCH'ED
	10.004	40.154	0.786	0.000	0.08	0.0	12.1	FLD RISK
	10.005	40.151	0.918	0.000	0.09	0.0	13.6	FLD RISK
	10.006	40.149	1.012	0.000	0.11	0.0	14.9	FLD RISK
	13.000	40.149	0.840	0.000	0.03	0.0	1.1	FLD RISK
	14.000	40.149	0.918	0.000	0.04	0.0	1.3	FLD RISK
	13.001	40.148	0.989	0.000	0.07	0.0	4.3	FLD RISK
	10.007	40.147	1.093	0.000	0.15	0.0	20.9	FLD RISK
	10.008	40.144	1.168	0.000	0.17	0.0	23.2	FLD RISK
	15.000	40.141	1.003	0.000	0.02	0.0	1.2	FLD RISK
	16.000	40.142	1.105	0.000	0.06	0.0	3.4	FLD RISK
	15.001	40.142	1.151	0.000	0.04	0.0	6.0	FLD RISK
	15.002	40.141	1.215	0.000	0.08	0.0	8.1	FLD RISK
	17.000	40.140	1.225	0.000	0.09	0.0	8.9	FLD RISK
	10.009	40.140	1.582	0.000	2.42	12.5	11.8	FLD RISK
	10.010	39.708	1.276	0.000	3.98	0.0	11.6	SURCH'ED
	10.011	38.884	0.504	0.000	2.96	0.0	11.6	SURCH'ED