FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
B2/2+C2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	5.6	10.080
F3	FEH: 2 years: +0 %: 15 mins: Summer	-	1.5	2.646
F1/3+ F2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	2.7	4.842
F1 2/3 + G/3	FEH: 2 years: +0 %: 15 mins: Summer	-	4.4	7.848
G/3	FEH: 2 years: +0 %: 15 mins: Summer	-	0.7	1.206
Road 1	FEH: 2 years: +0 %: 15 mins: Winter	0.57	96.3	44.541
Road 2	FEH: 2 years: +0 %: 15 mins: Winter	0.54	91.7	42.417
Swale Catchment	FEH: 2 years: +0 %: 15 mins: Winter	0.09	14.6	6.768
Catchment Area (9)	FEH: 2 years: +0 %: 15 mins: Winter	0.40	68.0	31.461
Catchment Area (10)	FEH: 2 years: +0 %: 15 mins: Winter	0.53	89.9	41.607
Catchment Area (11)	FEH: 2 years: +0 %: 15 mins: Winter	0.79	134.4	62.163
Road 3	FEH: 2 years: +0 %: 15 mins: Winter	0.43	73.6	34.035
Phase 1 - 2	FEH: 2 years: +0 %: 30 mins: Winter	3.80	276.2	376.419
Phase 1 Plot Flow - 2	FEH: 2 years: +0 %: 15 mins: Summer	-	28.1	50.580
Phase 1 - 1	FEH: 2 years: +0 %: 30 mins: Winter	11.40	828.6	1129.266
Phase 1 Plot Flow - 1	FEH: 2 years: +0 %: 15 mins: Summer	-	31.7	57.078
Phase 1 - 3	FEH: 2 years: +0 %: 15 mins: Winter	2.00	174.8	157.395
Phase 1 Plot Flow - 3	FEH: 2 years: +0 %: 15 mins: Summer	-	15.0	27.000
H &J	FEH: 2 years: +0 %: 15 mins: Winter	19.17	1675.3	1508.653
Catchment Area (11) (2)	FEH: 2 years: +0 %: 15 mins: Winter	0.40	67.4	31.194

Phase 1 Plot Flow - 1 (1)	FEH: 2 years: +0 %: 15 mins: Summer	-	31.7	57.078
Catchment Area (16)	FEH: 2 years: +0 %: 15 mins: Winter	0.45	76.5	35.415
Catchment Area (17)	FEH: 2 years: +0 %: 15 mins: Winter	0.57	97.0	44.859
B1+B2/2+B3/2	FEH: 2 years: +0 %: 15 mins: Summer	-	4.4	7.956
C1/2+B3/2	FEH: 2 years: +0 %: 15 mins: Summer	-	3.0	5.436
C1/2+D1/2	FEH: 2 years: +0 %: 15 mins: Summer	-	6.0	10.764
D1/2+E1+E2	FEH: 2 years: +0 %: 15 mins: Summer	-	11.9	21.474
C2/2+D2	FEH: 2 years: +0 %: 15 mins: Summer	-	8.7	15.660
F2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	0.8	1.512
Swale Catchment (3)	FEH: 2 years: +0 %: 15 mins: Winter	0.12	20.7	9.600
Swale Catchment (4)	FEH: 2 years: +0 %: 15 mins: Winter	0.12	20.2	9.363
Swale Catchment (5)	FEH: 2 years: +0 %: 15 mins: Winter	0.15	25.0	11.571
Swale Catchment (6)	FEH: 2 years: +0 %: 15 mins: Winter	0.27	45.9	21.246
Swale Catchment (7)	FEH: 2 years: +0 %: 15 mins: Winter	0.13	22.8	10.545

FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
B2/2+C2/2	FEH: 100 years: +40 %: 15 mins: Summer	-	5.6	10.080
F3	FEH: 100 years: +40 %: 15 mins: Summer	-	1.5	2.646
F1/3+ F2/2	FEH: 100 years: +40 %: 15 mins: Summer	-	2.7	4.842
F1 2/3 + G/3	FEH: 100 years: +40 %: 15 mins: Summer	-	4.4	7.848
G/3	FEH: 100 years: +40 %: 15 mins: Summer	-	0.7	1.206
Road 1	FEH: 100 years: +40 %: 15 mins: Winter	0.57	420.0	194.298
Road 2	FEH: 100 years: +40 %: 15 mins: Winter	0.54	399.9	185.028
Swale Catchment	FEH: 100 years: +40 %: 15 mins: Winter	0.09	63.8	29.523
Catchment Area (9)	FEH: 100 years: +40 %: 15 mins: Winter	0.40	296.6	137.232
Catchment Area (10)	FEH: 100 years: +40 %: 15 mins: Winter	0.53	392.3	181.497
Catchment Area (11)	FEH: 100 years: +40 %: 15 mins: Winter	0.79	586.1	271.152
Road 3	FEH: 100 years: +40 %: 15 mins: Winter	0.43	320.9	148.464
Phase 1 - 2	FEH: 100 years: +40 %: 30 mins: Winter	3.80	1233.2	1680.690
Phase 1 Plot Flow - 2	FEH: 100 years: +40 %: 15 mins: Summer	-	28.1	50.580
Phase 1 - 1	FEH: 100 years: +40 %: 30 mins: Winter	11.40	3699.5	5042.068

Phase 1 Plot Flow - 1	FEH: 100 years: +40 %: 15 mins: Summer	-	31.7	57.078
Phase 1 - 3	FEH: 100 years: +40 %: 15 mins: Winter	2.00	762.4	686.566
Phase 1 Plot Flow - 3	FEH: 100 years: +40 %: 15 mins: Summer	-	15.0	27.000
H &J	FEH: 100 years: +40 %: 15 mins: Winter	19.17	7307.6	6580.716
Catchment Area (11) (2)	FEH: 100 years: +40 %: 15 mins: Winter	0.40	294.1	136.062
Phase 1 Plot Flow - 1 (1)	FEH: 100 years: +40 %: 15 mins: Summer	-	31.7	57.078
Catchment Area (16)	FEH: 100 years: +40 %: 15 mins: Winter	0.45	333.9	154.476
Catchment Area (17)	FEH: 100 years: +40 %: 15 mins: Winter	0.57	422.9	195.672
B1+B2/2+B3/2	FEH: 100 years: +40 %: 15 mins: Summer	-	4.4	7.956
C1/2+B3/2	FEH: 100 years: +40 %: 15 mins: Summer	-	3.0	5.436
C1/2+D1/2	FEH: 100 years: +40 %: 15 mins: Summer	-	6.0	10.764
D1/2+E1+E2	FEH: 100 years: +40 %: 15 mins: Summer	-	11.9	21.474
C2/2+D2	FEH: 100 years: +40 %: 15 mins: Summer	-	8.7	15.660
F2/2	FEH: 100 years: +40 %: 15 mins: Summer	-	0.8	1.512
Swale Catchment (3)	FEH: 100 years: +40 %: 15 mins: Winter	0.12	90.5	41.880
Swale Catchment (4)	FEH: 100 years: +40 %: 15 mins: Winter	0.12	88.3	40.851
Swale Catchment (5)	FEH: 100 years: +40 %: 15 mins: Winter	0.15	109.1	50.466

Swale Catchment (6)	FEH: 100 years: +40 %: 15 mins: Winter	0.27	200.3	92.688
Swale Catchment (7)	FEH: 100 years: +40 %: 15 mins: Winter	0.13	99.4	45.999

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Inflows Summary Storm Phase: Phase (1)	Company Address:		

FEH: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
B2/2+C2/2	FEH: 30 years: +35 %: 15 mins: Summer	-	5.6	10.080
F3	FEH: 30 years: +35 %: 15 mins: Summer	-	1.5	2.646
F1/3+ F2/2	FEH: 30 years: +35 %: 15 mins: Summer	-	2.7	4.842
F1 2/3 + G/3	FEH: 30 years: +35 %: 15 mins: Summer	-	4.4	7.848
G/3	FEH: 30 years: +35 %: 15 mins: Summer	-	0.7	1.206
Road 1	FEH: 30 years: +35 %: 15 mins: Winter	0.57	306.4	141.738
Road 2	FEH: 30 years: +35 %: 15 mins: Winter	0.54	291.7	134.973
Swale Catchment	FEH: 30 years: +35 %: 15 mins: Winter	0.09	46.5	21.534
Catchment Area (9)	FEH: 30 years: +35 %: 15 mins: Winter	0.40	216.4	100.104
Catchment Area (10)	FEH: 30 years: +35 %: 15 mins: Winter	0.53	286.2	132.399
Catchment Area (11)	FEH: 30 years: +35 %: 15 mins: Winter	0.79	427.5	197.799
Road 3	FEH: 30 years: +35 %: 15 mins: Winter	0.43	234.1	108.306
Phase 1 - 2	FEH: 30 years: +35 %: 30 mins: Winter	3.80	894.5	1219.110
Phase 1 Plot Flow - 2	FEH: 30 years: +35 %: 15 mins: Summer	-	28.1	50.580
Phase 1 - 1	FEH: 30 years: +35 %: 30 mins: Winter	11.40	2683.5	3657.340

Phase 1 Plot Flow - 1	FEH: 30 years: +35 %: 15 mins: Summer	-	31.7	57.078
Phase 1 - 3	FEH: 30 years: +35 %: 15 mins: Winter	2.00	556.2	500.833
Phase 1 Plot Flow - 3	FEH: 30 years: +35 %: 15 mins: Summer	-	15.0	27.000
H &J	FEH: 30 years: +35 %: 15 mins: Winter	19.17	5330.7	4800.463
Catchment Area (11) (2)	FEH: 30 years: +35 %: 15 mins: Winter	0.40	214.5	99.255
Phase 1 Plot Flow - 1 (1)	FEH: 30 years: +35 %: 15 mins: Summer	-	31.7	57.078
Catchment Area (16)	FEH: 30 years: +35 %: 15 mins: Winter	0.45	243.6	112.686
Catchment Area (17)	FEH: 30 years: +35 %: 15 mins: Winter	0.57	308.5	142.737
B1+B2/2+B3/2	FEH: 30 years: +35 %: 15 mins: Summer	-	4.4	7.956
C1/2+B3/2	FEH: 30 years: +35 %: 15 mins: Summer	-	3.0	5.436
C1/2+D1/2	FEH: 30 years: +35 %: 15 mins: Summer	-	6.0	10.764
D1/2+E1+E2	FEH: 30 years: +35 %: 15 mins: Summer	-	11.9	21.474
C2/2+D2	FEH: 30 years: +35 %: 15 mins: Summer	-	8.7	15.660
F2/2	FEH: 30 years: +35 %: 15 mins: Summer	-	0.8	1.512
Swale Catchment (3)	FEH: 30 years: +35 %: 15 mins: Winter	0.12	66.0	30.549
Swale Catchment (4)	FEH: 30 years: +35 %: 15 mins: Winter	0.12	64.4	29.799
Swale Catchment (5)	FEH: 30 years: +35 %: 15 mins: Winter	0.15	79.6	36.810

Swale Catchment (6)	FEH: 30 years: +35 %: 15 mins: Winter	0.27	146.1	67.611
Swale Catchment (7)	FEH: 30 years: +35 %: 15 mins: Winter	0.13	72.5	33.552

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Junctions Summary Storm Phase: Phase (1)	Company Address:		

FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Simple Junction (1)	FEH: 2 years: +0 %: 1440 mins: Winter		12.533	12.640	0.107	13.4			13.4	1776.371	OK
Simple Junction	FEH: 2 years: +0 %: 1440 mins: Winter		12.852	12.953	0.101	23.5			23.5	3110.112	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Junctions Summary Storm Phase: Phase (1)	Company Address:		

FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Simple Junction (1)	FEH: 100 years: +40 %: 180 mins: Winter		12.533	12.642	0.110	14.0			14.0	227.755	OK
Simple Junction	FEH: 100 years: +40 %: 1440 mins: Winter		12.852	12.966	0.114	29.1			29.1	4099.107	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Junctions Summary Storm Phase: Phase (1)	Company Address:		

FEH: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Simple Junction (1)	FEH: 30 years: +35 %: 480 mins: Winter		12.533	12.642	0.110	14.0			14.0	622.194	OK
Simple Junction	FEH: 30 years: +35 %: 1440 mins: Winter		12.852	12.960	0.108	26.4			26.4	3731.941	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	Company Address:		

FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Swale E (0)	FEH: 2 years: +0 %: 15 mins: Winter	18.767	13.534	0.084	0.234	169.1	45.327	0.000	0.000	122.2	80.122	9	93.335
Swale C (0)	FEH: 2 years: +0 %: 15 mins: Winter	16.282	14.145	0.067	0.145	119.1	12.854	0.000	0.000	92.9	67.545	2	99.221
Swale H2 - Ex	FEH: 2 years: +0 %: 30 mins: Winter	14.492	13.612	0.216	0.312	305.1	42.397	0.000	0.000	301.9	478.898	2	96.310
Swale G - Ex	FEH: 2 years: +0 %: 15 mins: Winter	20.779	17.714	0.109	0.114	276.7	70.597	0.000	0.000	255.4	213.631	8	65.892
Swale D (1)	FEH: 2 years: +0 %: 15 mins: Winter	20.772	17.384	0.031	0.134	33.7	10.596	0.000	0.000	25.7	20.960	9	99.379
Tank (1)	FEH: 2 years: +0 %: 1440 mins: Winter	13.768	13.768	0.493	0.493	266.4	6166.938	0.000	0.000	170.9	20365.512	441	69.165
Swale I - Ex	FEH: 2 years: +0 %: 30 mins: Winter	15.045	14.701	0.550	0.401	860.9	295.591	0.000	0.000	816.9	1271.618	5	77.673
Swale H - Ex	FEH: 2 years: +0 %: 30 mins: Winter	17.181	15.640	0.188	0.148	305.1	31.284	0.000	0.000	300.8	474.409	1	97.163
Swale I -2	FEH: 2 years: +0 %: 15 mins: Winter	15.100	15.022	0.080	0.222	92.0	57.804	0.000	0.000	95.5	48.670	24	94.063
Tank (3)	FEH: 2 years: +0 %: 15 mins: Summer	14.865	14.865	0.065	0.065	1507.2	1364.909	0.000	0.000	0.0	0.000		93.500
Swale F - Ex	FEH: 2 years: +0 %: 30 mins: Winter	21.620	21.443	0.208	0.643	227.3	81.399	0.000	0.000	157.2	290.589	6	94.817
Swale A (0)	FEH: 2 years: +0 %: 15 mins: Winter	16.566	13.155	0.062	0.155	115.3	15.887	0.000	0.000	85.2	56.847	3	97.624
Swale B (0)	FEH: 2 years: +0 %: 30 mins: Winter	19.874	17.166	0.022	0.166	18.7	9.145	0.000	0.000	18.2	25.669	13	99.415
Detention Basin 1	FEH: 2 years: +0 %: 1440 mins: Winter	13.009	13.009	0.296	0.296	29.4	1040.496	0.000	0.000	13.4	1776.582	949	55.917
Detention Basin 2	FEH: 2 years: +0 %: 1440 mins: Winter	13.646	13.646	0.446	0.446	46.1	2099.145	0.000	0.000	23.5	3110.587	902	32.539
Swale D (0)	FEH: 2 years: +0 %: 15 mins: Winter	17.252	13.614	0.077	0.264	136.6	38.496	0.000	0.000	100.9	73.380	10	97.783

Status
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OK

FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Outflow

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	Company Address:		

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Swale E (0)	FEH: 100 years: +40 %: 15 mins: Winter	18.875	13.875	0.192	0.575	697.4	129.751	0.000	0.000	462.2	323.106	7	80.922
Swale C (0)	FEH: 100 years: +40 %: 15 mins: Winter	16.380	14.964	0.165	0.964	559.1	93.851	0.000	0.000	277.0	273.977	7	94.314
Swale H2 - Ex	FEH: 100 years: +40 %: 30 mins: Summer	14.683	14.013	0.407	0.713	1124.1	133.105	0.000	0.000	1302.4	1571.018	1	88.414
Swale G - Ex	FEH: 100 years: +40 %: 15 mins: Winter	20.846	17.791	0.176	0.191	860.3	158.305	0.000	0.000	684.1	552.586	6	23.517
Swale D (1)	FEH: 100 years: +40 %: 15 mins: Winter	20.807	17.497	0.065	0.247	117.8	23.736	0.000	0.000	85.6	59.754	6	98.609
Tank (1)	FEH: 100 years: +40 %: 360 mins: Winter	14.547	14.547	1.272	1.272	1926.8	15897.886	0.000	0.000	241.5	8175.840	624	20.511
Swale I - Ex	FEH: 100 years: +40 %: 30 mins: Winter	15.568	15.466	1.073	1.166	3731.9	1052.362	0.000	0.000	2677.7	5581.294	5	20.512
Swale H - Ex	FEH: 100 years: +40 %: 30 mins: Winter	17.365	15.840	0.371	0.348	1262.1	91.697	0.000	0.000	1247.0	1778.806	1	91.685
Swale I -2	FEH: 100 years: +40 %: 15 mins: Winter	15.493	15.488	0.473	0.688	531.9	418.435	0.000	0.000	673.9	142.843	40	57.020
Tank (3)	FEH: 100 years: +40 %: 720 mins: Summer	15.600	15.600	0.800	0.800	1542.1	16808.385	0.000	0.000	35.6	2132.586	7559	19.960
Swale F - Ex	FEH: 100 years: +40 %: 60 mins: Winter	22.553	22.553	1.141	1.753	777.3	743.513	0.000	0.000	232.0	1287.155	42	52.658
Swale A (0)	FEH: 100 years: +40 %: 15 mins: Winter	16.648	13.599	0.143	0.599	488.2	52.564	0.000	0.000	316.3	229.455	3	92.141
Swale B (0)	FEH: 100 years: +40 %: 15 mins: Winter	19.908	17.230	0.057	0.230	96.1	16.833	0.000	0.000	67.9	45.364	5	98.924
Detention Basin 1	FEH: 100 years: +40 %: 180 mins: Winter	13.132	13.132	0.419	0.419	346.2	1491.847	0.000	0.000	14.0	227.981	1239	36.795
Detention Basin 2	FEH: 100 years: +40 %: 1440 mins: Winter	13.842	13.842	0.642	0.642	97.2	3072.411	0.000	0.000	29.1	4099.625	1060	1.260
Swale D (0)	FEH: 100 years: +40 %: 30 mins: Winter	17.326	14.318	0.151	0.968	420.0	175.959	0.000	0.000	229.9	410.039	8	89.866

Status
OK
OK
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Flood Risk
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OK

FEH: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Outflow

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	Company Address:		

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
Swale E (0)	FEH: 30 years: +35 %: 15 mins: Winter	18.844	13.728	0.161	0.428	512.0	99.085	0.000	0.000	360.0	237.648	6	85.431
Swale C (0)	FEH: 30 years: +35 %: 15 mins: Winter	16.353	14.654	0.138	0.654	406.9	47.364	0.000	0.000	252.7	201.505	3	97.131
Swale H2 - Ex	FEH: 30 years: +35 %: 15 mins: Winter	14.629	13.894	0.353	0.594	826.3	100.514	0.000	0.000	949.9	911.124	3	91.251
Swale G - Ex	FEH: 30 years: +35 %: 15 mins: Winter	20.828	17.768	0.158	0.168	658.6	127.151	0.000	0.000	537.2	442.404	6	38.569
Swale D (1)	FEH: 30 years: +35 %: 15 mins: Winter	20.796	17.462	0.055	0.212	88.3	19.041	0.000	0.000	64.6	46.120	6	98.884
Tank (1)	FEH: 30 years: +35 %: 960 mins: Winter	14.260	14.260	0.985	0.985	706.2	12310.987	0.000	0.000	219.4	20110.416	538	38.445
Swale I - Ex	FEH: 30 years: +35 %: 30 mins: Winter	15.390	15.113	0.895	0.813	2715.8	684.405	0.000	0.000	2298.2	4022.004	4	48.305
Swale H - Ex	FEH: 30 years: +35 %: 30 mins: Winter	17.315	15.777	0.321	0.285	923.4	71.759	0.000	0.000	912.0	1317.180	1	93.493
Swale I -2	FEH: 30 years: +35 %: 15 mins: Winter	15.351	15.342	0.331	0.542	365.4	273.811	0.000	0.000	457.8	123.345	38	71.875
Tank (3)	FEH: 30 years: +35 %: 1440 mins: Winter	15.480	15.480	0.680	0.680	435.0	14289.973	0.000	0.000	29.5	3131.687	8079	31.953
Swale F - Ex	FEH: 30 years: +35 %: 60 mins: Winter	22.216	22.216	0.804	1.416	564.0	466.139	0.000	0.000	206.5	1046.515	29	70.320
Swale A (0)	FEH: 30 years: +35 %: 15 mins: Winter	16.624	13.325	0.120	0.325	357.3	36.448	0.000	0.000	266.4	168.904	2	94.550
Swale B (0)	FEH: 30 years: +35 %: 30 mins: Winter	19.890	17.208	0.038	0.208	48.0	13.346	0.000	0.000	47.8	52.732	7	99.147
Detention Basin 1	FEH: 30 years: +35 %: 480 mins: Winter	13.105	13.105	0.392	0.392	122.9	1391.002	0.000	0.000	14.0	622.420	1102	41.067
Detention Basin 2	FEH: 30 years: +35 %: 1440 mins: Winter	13.741	13.741	0.541	0.541	77.3	2568.168	0.000	0.000	26.4	3732.443	983	17.465
Swale D (0)	FEH: 30 years: +35 %: 30 mins: Winter	17.302	14.058	0.127	0.708	308.2	114.973	0.000	0.000	196.0	307.669	12	93.379

Status
OK
OK
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OK

FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe (5)	FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Swale H - Ex	Swale H2 - Ex	18.519	15.672	0.170	474.409	3.4	0.04	300.8	OK
Pipe (11)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Tank (3)	Swale I - 2	15.800	14.865	0.112	18.869	0.0	0	0.0	OK
Pipe (4)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale I - 2	Swale I - Ex	16.020	14.934	0.373	0.000	0.6	0.04	95.5	OK
Pipe (9)	FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Swale F - Ex	Swale G - Ex	23.000	21.169	0.300	290.589	2.3	1.74	157.2	Surcharged
Pipe (2)	FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Swale I - Ex	Tank (1)	15.780	14.802	0.389	1240.683	2.9	0.3	816.9	OK
Pipe (7)	FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Swale H2 - Ex	Tank (1)	15.976	13.535	0.199	478.898	3.1	0.45	301.9	OK
Pipe (6)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale G - Ex	Tank (1)	17.800	17.704	0.112	213.631	5.2	0.03	255.4	OK
Pipe	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale A (0)	Detention Basin 1	14.300	13.079	0.124	56.847	3.2	0.27	85.2	OK
Pipe (3)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale C (0)	Detention Basin 1	16.500	14.081	0.118	67.545	4.3	0.35	92.9	OK
Pipe (8)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale E (0)	Detention Basin 2	14.100	13.394	0.159	80.122	2.2	0.46	122.2	OK
Pipe (13)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale D (0)	Detention Basin 2	15.000	13.451	0.174	73.380	2.0	0.91	100.9	OK
Pipe (10)	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Swale D (1)	Swale D (0)	19.300	17.295	0.095	20.960	1.2	0.17	25.7	OK
Pipe (12)	FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Detention Basin 1	Simple Junction (1)	13.363	13.009	0.114	1776.371	0.9	0.92	13.4	Surcharged
Pipe (14)	FEH: 2 years: +0 %: 1440 mins: Winter	Pipe	Detention Basin 2	Simple Junction	13.850	13.646	0.103	3110.112	1.3	0.42	23.5	Surcharged
Pipe (1)	FEH: 2 years: +0 %: 30 mins: Winter	Pipe	Swale B (0)	Swale C (0)	19.300	17.051	0.062	25.669	1.9	0.1	18.2	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Connections Summary Storm Phase: Phase (1)	Company Address:		

FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe (5)	FEH: 100 years: +40 %: 30 mins: Winter	Pipe	Swale H - Ex	Swale H2 - Ex	18.519	15.858	0.376	1778.806	4.6	0.17	1247.0	OK
Pipe (11)	FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	Tank (3)	Swale I - 2	15.800	15.748	0.229	346.030	0.5	0.34	35.6	Surcharged
Pipe (4)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale I - 2	Swale I - Ex	16.020	15.381	0.837	0.000	1.2	0.25	673.9	OK
Pipe (9)	FEH: 100 years: +40 %: 60 mins: Winter	Pipe	Swale F - Ex	Swale G - Ex	23.000	22.247	0.300	1287.155	3.3	2.56	232.0	Surcharged
Pipe (2)	FEH: 100 years: +40 %: 30 mins: Winter	Pipe	Swale I - Ex	Tank (1)	15.780	15.414	0.985	5073.356	3.6	1	2677.7	Surcharged
Pipe (7)	FEH: 100 years: +40 %: 30 mins: Summer	Pipe	Swale H2 - Ex	Tank (1)	15.976	13.785	0.528	1571.018	3.9	1.93	1302.4	OK
Pipe (6)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale G - Ex	Tank (1)	17.800	17.764	0.223	552.586	6.8	0.08	684.1	Flood Risk
Pipe	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale A (0)	Detention Basin 1	14.300	13.200	0.375	229.455	3.6	1.01	316.3	OK
Pipe (3)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale C (0)	Detention Basin 1	16.500	14.332	0.300	273.977	5.0	1.06	277.0	Surcharged
Pipe (8)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale E (0)	Detention Basin 2	14.100	13.530	0.385	323.106	2.9	1.74	462.2	OK
Pipe (13)	FEH: 100 years: +40 %: 30 mins: Winter	Pipe	Swale D (0)	Detention Basin 2	15.000	13.630	0.375	410.039	2.1	2.08	229.9	OK
Pipe (10)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale D (1)	Swale D (0)	19.300	17.345	0.202	59.754	1.6	0.57	85.6	OK
Pipe (12)	FEH: 100 years: +40 %: 360 mins: Winter	Pipe	Detention Basin 1	Simple Junction (1)	13.363	13.212	0.119	469.315	0.9	0.97	14.0	Surcharged
Pipe (14)	FEH: 100 years: +40 %: 1440 mins: Winter	Pipe	Detention Basin 2	Simple Junction	13.850	13.842	0.117	4099.107	1.4	0.52	29.1	Surcharged

North West Cambridge Masterplan:	Date: 14/05/2025		
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Report Details: Type: Connections Summary Storm Phase: Phase (1)	Company Address:		

Pipe (1)	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	Swale B (0)	Swale C (0)	19.300	17.090	0.148	45.364	2.5	0.37	67.9	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Connections Summary Storm Phase: Phase (1)	Company Address:		

FEH: 30 years: Increase Rainfall (%): +35: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
Pipe (5)	FEH: 30 years: +35 %: 30 mins: Winter	Pipe	Swale H - Ex	Swale H2 - Ex	18.519	15.806	0.316	1317.180	4.3	0.13	912.0	OK
Pipe (11)	FEH: 30 years: +35 %: 1440 mins: Winter	Pipe	Tank (3)	Swale I - 2	15.800	15.480	0.218	393.531	0.4	0.28	29.5	Surcharged
Pipe (4)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale I - 2	Swale I - Ex	16.020	15.237	0.691	0.000	1.1	0.17	457.8	OK
Pipe (9)	FEH: 30 years: +35 %: 60 mins: Winter	Pipe	Swale F - Ex	Swale G - Ex	23.000	21.910	0.300	1046.515	2.9	2.28	206.5	Surcharged
Pipe (2)	FEH: 30 years: +35 %: 30 mins: Winter	Pipe	Swale I - Ex	Tank (1)	15.780	15.160	0.761	3723.408	3.6	0.85	2298.2	OK
Pipe (7)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale H2 - Ex	Tank (1)	15.976	13.708	0.384	911.124	4.3	1.41	949.9	OK
Pipe (6)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale G - Ex	Tank (1)	17.800	17.745	0.177	442.404	6.4	0.06	537.2	OK
Pipe	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale A (0)	Detention Basin 1	14.300	13.159	0.251	168.904	3.4	0.85	266.4	OK
Pipe (3)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale C (0)	Detention Basin 1	16.500	14.200	0.300	201.505	4.8	0.96	252.7	OK
Pipe (8)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale E (0)	Detention Basin 2	14.100	13.490	0.298	237.648	2.8	1.35	360.0	OK
Pipe (13)	FEH: 30 years: +35 %: 30 mins: Winter	Pipe	Swale D (0)	Detention Basin 2	15.000	13.567	0.375	307.669	2.0	1.77	196.0	OK
Pipe (10)	FEH: 30 years: +35 %: 15 mins: Winter	Pipe	Swale D (1)	Swale D (0)	19.300	17.329	0.167	46.120	1.5	0.43	64.6	OK
Pipe (12)	FEH: 30 years: +35 %: 480 mins: Winter	Pipe	Detention Basin 1	Simple Junction (1)	13.363	13.105	0.119	622.194	0.9	0.97	14.0	Surcharged
Pipe (14)	FEH: 30 years: +35 %: 1440 mins: Winter	Pipe	Detention Basin 2	Simple Junction	13.850	13.741	0.110	3731.941	1.4	0.47	26.4	Surcharged

Pipe (1)	FEH: 30 years: +35 %: 30 mins: Winter	Pipe	Swale B (0)	Swale C (0)	19.300	17.072	0.110	52.732	2.2	0.26	47.8	OK

North West Cambridge Masterplan:	Date: 14/05/2025		
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Report Details: Type: Junctions Storm Phase: Phase (1)	Company Address:		

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
Swale A (0)	Manhole	542027.591	260946.178	18.600	2.100	16.500	Circular	1.200
Swale A (1)	Manhole	541968.268	260882.718	14.300	1.300	13.000	Circular	1.200
Swale B (0)	Manhole	542241.406	260824.748	22.100	2.250	19.850	Circular	1.200
Swale B (1)	Manhole	542185.812	260767.480	19.300	2.300	17.000	Circular	1.200
Swale C (0)	Manhole	542175.706	260755.934	18.600	1.800	16.800	Circular	1.200
Swale C(0)	Manhole	542116.935	260689.957	16.500	2.500	14.000	Circular	1.200
Swale D (1)	Manhole	542418.154	260671.319	22.800	3.600	19.200	Circular	1.200
Swale D (2)	Manhole	542342.103	260578.082	19.300	2.400	16.900	Circular	1.200
Swale D (0)	Manhole	542192.040	260481.240	15.000	1.650	13.350	Circular	1.200
Swale D (4)	Manhole	542280.931	260530.604	17.800	1.700	16.100	Circular	1.200
Swale D (3)	Manhole	542331.852	260567.553	18.700	1.900	16.800	Circular	1.200
Swale E (0)	Manhole	542427.269	260369.083	19.300	3.300	16.000	Circular	1.200
Swale E (1)	Manhole	542272.059	260319.131	15.000	1.530	13.470	Circular	1.200
Simple Junction	Simple Junction	541974.570	260819.144					
Simple Junction (1)	Simple Junction	542105.786	260412.867					

Name	Lock
Swale A (0)	None
Swale A (1)	None
Swale B (0)	None
Swale B (1)	None
Swale C (0)	None
Swale C(0)	None
Swale D (1)	None
Swale D (2)	None
Swale D (0)	None
Swale D (4)	Levels
Swale D (3)	None
Swale E (0)	None
Swale E (1)	None
Simple Junction	
Simple Junction (1)	

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
Swale A (0)	Inlet	Road 1 Catchment Area (4)	(None)	No Restriction
	Inlet (1)	B1+B2/2+B3/2	(None)	No Restriction
Swale A (1)	Inlet	Pipe1.0	(None)	No Restriction
Swale B (0)	Inlet	B2/2+C2/2	(None)	No Restriction
Swale B (1)	Inlet	Pipe2.0	(None)	No Restriction
Swale C (0)	Inlet	C1/2+B3/2 Road 2 Pipe2.1	(None)	No Restriction
Swale C(0)	Inlet	Pipe2.2	(None)	No Restriction
Swale D (1)	Inlet	C2/2+D2	(None)	No Restriction
Swale D (2)	Inlet	Pipe3.0	(None)	No Restriction
Swale D (0)	Inlet	C1/2+D1/2	(None)	No Restriction
	Inlet (1)	Pipe3.3	(None)	No Restriction
Swale D (4)	Inlet	Pipe3.2	(None)	No Restriction
Swale D (3)	Inlet	Pipe3.1 Road 3	(None)	No Restriction
Swale E (0)	Inlet (1)	D1/2+E1+E2 Catchment Area (11)	(None)	No Restriction
Swale E (1)	Inlet	Pipe4.0	(None)	No Restriction
Simple Junction	Inlet	Pipe	(None)	No Restriction
Simple Junction (1)	Inlet	Pipe (1)	(None)	No Restriction

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Junctions Storm Phase: Phase (1)	Company Address:		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
Swale A (0)	Outlet	Pipe1.0	Free Discharge
Swale A (1)	Outlet	Pipe1.1	Free Discharge
Swale B (0)	Outlet	Pipe2.0	Free Discharge
Swale B (1)	Outlet	Pipe2.1	Free Discharge
Swale C (0)	Outlet (1)	Pipe2.2	Free Discharge
Swale C(0)	Outlet	Pipe2.3	Free Discharge
Swale D (1)	Outlet	Pipe3.0	Free Discharge
Swale D (2)	Outlet	Pipe3.1	Free Discharge
Swale D (0)	Outlet	Pipe3.3	Free Discharge
Swale D (4)	Outlet	Pipe3.3	Free Discharge
Swale D (3)	Outlet	Pipe3.2	Free Discharge
Swale E (0)	Outlet (1)	Pipe4.0	Free Discharge
Swale E (1)	Outlet	Pipe4.1	Free Discharge

Tank (1)

Type : Tank

Dimensions

Exceedance Level (m)	14.920
Depth (m)	1.645
Base Level (m)	13.275
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	0.00
Total Volume (m³)	20000.045

Depth (m)	Area (m²)	Volume (m³)
0.000	12500.00	0.000
1.600	12500.00	20000.000

Inlets

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (2)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (4)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (7)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (5)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (6)
Bypass Destination	(None)
Capacity Type	No Restriction

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Storm Phase: Phase (1)	Company Address:		

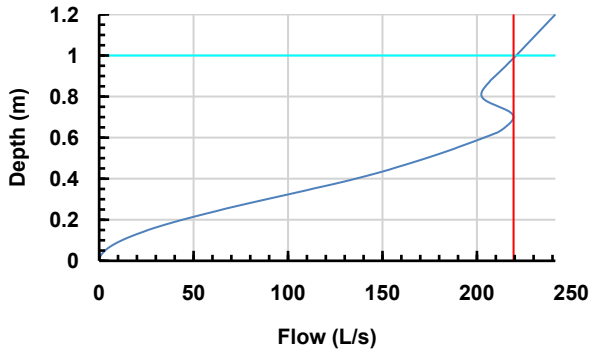
Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Hydro-Brake®

Invert Level (m)	13.275
Design Depth (m)	1.000
Design Flow (L/s)	221.0
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☐

Unit Reference	CHE-0480-2210-1000-2210



Advanced

Perimeter	Circular
Length (m)	266.015

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	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Storm Phase: Phase (1)	Company Address:		

Tank (3)

Type : Tank

Dimensions

Exceedance Level (m)	15.800
Depth (m)	1.000
Base Level (m)	14.800
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	0.00
Total Volume (m³)	21000.000

Depth (m)	Area (m²)	Volume (m³)
0.000	21000.00	0.000
1.000	21000.00	21000.000

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	H &J
Bypass Destination	(None)
Capacity Type	No Restriction

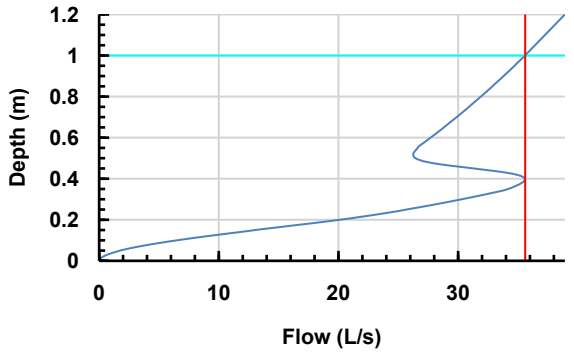
Outlets

Outlet

Outgoing Connection	Pipe (11)
Outlet Type	Hydro-Brake®

Invert Level (m)	14.900
Design Depth (m)	1.000
Design Flow (L/s)	35.61
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☐

Unit Reference	CHE-0243-3561-1000-3561



Advanced

Perimeter	Circular
Length (m)	154.156

Detention Basin 1

Type : Pond

Dimensions

Exceedance Level (m)	13.300
Depth (m)	0.587
Base Level (m)	12.713
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	3.00
Total Volume (m³)	2149.738

Depth (m)	Area (m²)	Volume (m³)
0.000	3475.00	0.000
0.587	3852.74	2149.738

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (16)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe1.1
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe2.3
Bypass Destination	(None)
Capacity Type	No Restriction

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Stormwater Controls Storm Phase: Phase (1)	Company Address:		

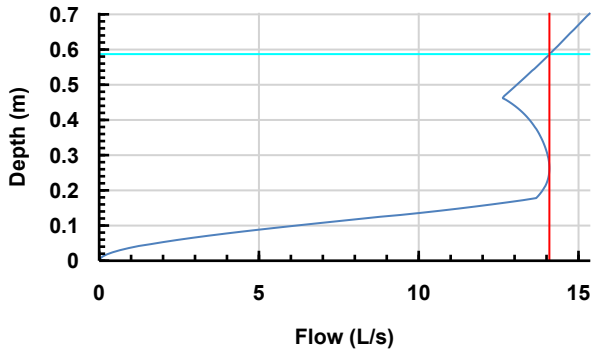
Outlets

Outlet

Outgoing Connection	Pipe
Outlet Type	Hydro-Brake®

Invert Level (m)	12.713
Design Depth (m)	0.587
Design Flow (L/s)	14.1
Objective	Minimise Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☑

Unit Reference	SHE-0175-1410-0587-1410



Advanced

Perimeter	Circular
Length (m)	280.420
Friction Scheme	Manning's n
n	0.035

Detention Basin 2

Type : Pond

Dimensions

Exceedance Level (m)	13.850
Depth (m)	0.650
Base Level (m)	13.200
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	3.00
Total Volume (m³)	2744.675

Depth (m)	Area (m²)	Volume (m³)
0.000	4000.00	0.000
0.650	4449.14	2744.675

Inlets

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe4.1
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe3.3
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (17)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (1)
Outlet Type	Orifice

Diameter (m)	0.146
Coefficient of Discharge	0.600
Invert Level (m)	13.200

Advanced

Perimeter	Circular
Length (m)	223.540
Friction Scheme	Manning's n
n	0.035

Swale H2 - Ex

Type : Swale

Swale

Exceedance Level (m)	15.000
Depth (m)	1.700
Base Level (m)	13.300
Top Width (m)	13.000
Side Slope (1:X)	3.53
Base Width (m)	1.000
Freeboard (mm)	10
Length (m)	97.604
Long. Slope (1:X)	100.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	1148.833

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	F1 2/3 + G/3
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (5)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (7)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

Swale G - Ex

Type : Swale

Swale

Exceedance Level (m)	17.800
Depth (m)	0.200
Base Level (m)	17.600
Top Width (m)	12.000
Side Slope (1:X)	27.50
Base Width (m)	1.000
Freeboard (mm)	10
Length (m)	175.000
Long. Slope (1:X)	57.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	206.981

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	F-2 F1/3+ F2/2 Catchment Area (10) Pipe (9)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (9)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Pipe (6)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

Swale I -Ex

Type : Swale

Swale

Exceedance Level (m)	15.585
Depth (m)	1.285
Base Level (m)	14.300
Top Width (m)	9.210
Side Slope (1:X)	3.00
Base Width (m)	1.500
Freeboard (mm)	10
Length (m)	195.000
Long. Slope (1:X)	1000.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	1323.928

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	G/3 Phase 1 Plot Flow - 1 Phase 1 - 1
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (4)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Pipe (2)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

Swale H - Ex

Type : Swale

Swale

Exceedance Level (m)	17.017
Depth (m)	1.525
Base Level (m)	15.492
Top Width (m)	14.000
Side Slope (1:X)	4.26
Base Width (m)	1.000
Freeboard (mm)	10
Length (m)	97.604
Long. Slope (1:X)	65.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	1102.808

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Phase 1 Plot Flow - 2
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Phase 1 - 2 F2/2
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (5)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

Swale I -2

Type : Swale

Swale

Exceedance Level (m)	15.800
Depth (m)	1.000
Base Level (m)	14.800
Top Width (m)	7.500
Side Slope (1:X)	3.00
Base Width (m)	1.500
Freeboard (mm)	10
Length (m)	220.000
Long. Slope (1:X)	1000.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	973.566

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (11) Phase 1 Plot Flow - 1 (1)
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Pipe (4)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

Swale F - Ex

Type : Swale

Swale

Exceedance Level (m)	23.000
Depth (m)	2.200
Base Level (m)	20.800
Top Width (m)	15.000
Side Slope (1:X)	3.18
Base Width (m)	1.000
Freeboard (mm)	10
Length (m)	90.000
Long. Slope (1:X)	147.00
Filtration Rate (m/hr)	50.0
Friction Scheme	Manning's n
n	0.035
Total Volume (m³)	1570.529

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Phase 1 - 3 Phase 1 Plot Flow - 3 Catchment Area (11) (2) F3
Bypass Destination	(None)
Inlet Destination	Ponding Area
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (9)
Outlet Type	Free Discharge

Advanced

Swale

Porosity (%)	100

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Connections Storm Phase: Phase (1)	Company Address:		

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
Pipe (5)	15.989	Pipe	13.413		0.6	1000	18.519	15.492
Pipe (11)	36.994	Pipe	369.939		0.6	375	15.800	14.900
Pipe (4)	29.585	Pipe	97.001		0.6	1000	16.020	14.800
Pipe (9)	19.497	Pipe	149.980		0.6	300	23.000	20.800
Pipe (2)	95.362	Pipe	95.362		0.6	1000	15.780	14.300
Pipe (7)	37.212	Pipe	1488.492		0.6	1000	15.976	13.300
Pipe (6)	31.614	Pipe	8.649		0.6	1000	17.800	16.955
Pipe3.3	39.603	Pipe	264.017		0.6	375	15.000	13.350
Pipe1.0	86.870	Pipe	24.820		0.6	375	18.600	16.500
Pipe1.1	9.581	Pipe	33.383		0.6	375	14.300	13.000
Pipe2.0	79.814	Pipe	28.005		0.6	300	22.100	19.850
Pipe2.1	15.344	Pipe	76.720		0.6	300	19.300	17.000
Pipe2.2	88.357	Pipe	31.556		0.6	450	18.600	16.800
Pipe2.3	11.931	Pipe	9.270		0.6	300	16.500	14.000
Pipe3.0	120.320	Pipe	52.313		0.6	375	22.800	19.200
Pipe3.3	101.677	Pipe	36.974		0.6	375	17.800	16.100
Pipe3.1	14.695	Pipe	146.947		0.6	375	19.300	16.900
Pipe3.2	62.915	Pipe	89.878		0.6	375	18.700	16.800
Pipe4.0	163.049	Pipe	64.446		0.6	525	19.300	16.000
Pipe4.1	68.128	Pipe	252.326		0.6	450	15.000	13.470
Pipe	27.449	Pipe	152.496		0.6	150	13.300	12.713
Pipe (1)	56.040	Pipe	181.164		0.6	225	13.850	13.200

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)
Pipe (5)	15.976	14.300		Levels	
Pipe (11)	16.020	14.800		All	35.61
Pipe (4)	15.780	14.495		Levels	
Pipe (9)	22.100	20.670		All	
Pipe (2)	14.920	13.300		All	
Pipe (7)	14.920	13.275		All	
Pipe (6)	14.920	13.300		Levels	
Pipe3.3	14.000	13.200		All	
Pipe1.0	14.300	13.000		Levels	532.18
Pipe1.1	13.300	12.713		Levels	532.18
Pipe2.0	19.300	17.000		Levels	
Pipe2.1	18.600	16.800		Levels	
Pipe2.2	16.500	14.000		Levels	
Pipe2.3	13.300	12.713		Levels	
Pipe3.0	19.300	16.900		All	
Pipe3.3	15.000	13.350		All	
Pipe3.1	18.700	16.800		All	
Pipe3.2	17.800	16.100		All	
Pipe4.0	15.000	13.470		Levels	
Pipe4.1	14.000	13.200		Levels	
Pipe	13.297	12.533		None	14.10
Pipe (1)	13.400	12.891		None	33.80

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Inflow Summary Storm Phase: Phase (1)	Company Address:		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
B1+B2/2+B3/2	Swale A (0)	4.4						
B2/2+C2/2	Swale B (0)	5.6						
C1/2+B3/2	Swale C (0)	3.0						
C1/2+D1/2	Swale D (0)	6.0						
C2/2+D2	Swale D (1)	8.7						
Catchment Area (4)	Swale A (0)		Time of Concentration	0.093	100	0	100	0.093
Catchment Area (9)	Swale G - Ex		Time of Concentration	0.400	100	0	100	0.400
Catchment Area (10)	Swale G - Ex		Time of Concentration	0.529	100	0	100	0.529
Catchment Area (11)	Swale E (0)		Time of Concentration	0.790	100	0	100	0.790
Catchment Area (11) (2)	Swale F - Ex		Time of Concentration	0.396	100	0	100	0.396
Catchment Area (16)	Detention Basin 1		Time of Concentration	0.450	100	0	100	0.450
Catchment Area (17)	Detention Basin 2		Time of Concentration	0.500	100	0	100	0.500
D1/2+E1+E2	Swale E (0)	11.9						
F1 2/3 + G/3	Swale H2 - Ex	4.4						
F1/3+ F2/2	Swale G - Ex	2.7						
F2/2	Swale H - Ex	0.8						
F3	Swale F - Ex	1.5						
F-2	Swale G - Ex	0.9						
G/3	Swale I -Ex	0.7						
H &J	Tank (3)		Time of Concentration	19.170	100	0	100	19.170
Phase 1 - 1	Swale I -Ex		Time of Concentration	11.400	100	0	100	11.400
Phase 1 - 2	Swale H - Ex		Time of Concentration	3.800	100	0	100	3.800
Phase 1 - 3	Swale F - Ex		Time of Concentration	2.000	100	0	100	2.000
Phase 1 Plot Flow - 1	Swale I -Ex	31.7						
Phase 1 Plot Flow - 1 (1)	Swale I -2	31.7						
Phase 1 Plot Flow - 2	Swale H - Ex	28.1						
Phase 1 Plot Flow - 3	Swale F - Ex	15.0						
Road 1	Swale A (0)		Time of Concentration	0.566	100	0	100	0.566
Road 2	Swale C (0)		Time of Concentration	0.539	100	0	100	0.539
Road 3	Swale D (3)		Time of Concentration	0.432	100	0	100	0.432
TOTAL		**157.1**		**41.066**				**41.066**

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Network Design Criteria Storm Phase: Phase (1)	Company Address:		

Flow Options

Peak Flow Calculation	(UK) Modified Rational Method
Min. Time of Entry (mins)	5
Max. Travel Time (mins)	30

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	0.600
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Manhole Options

Apply Offset	☐

Manhole Size Library

Default

Diameter / Width

Connection (mm)	Diameter / Length (m)	Width (m)
0	1.200	0.000
375	1.350	0.000
500	1.500	0.000
750	1.800	0.000

Additional Sizing

Connection (mm)	900
Diameter / Length (m)	0.900
Width (m)	0.000

Depth

Depth (m)	Diameter / Length (m)	Width (m)
0.000	1.050	0.000
1.500	1.200	0.000

Access

Depth (m)	Ladder Protrusion (mm)
0.000	130
3.000	230

Benching Requirements

Landing Width (mm)	500
Benching Width (mm)	225

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Outfall Details Storm Phase: Phase (1)	Company Address:		

Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
Tank (1)	Free Discharge		
Simple Junction	Fixed Surcharged Level	12.500	
FEH : 2 years: +0 %: 15 mins: Summer		12.500	
FEH : 2 years: +0 %: 15 mins: Winter		12.500	
FEH : 100 years: +40 %: 15 mins: Summer		12.500	
FEH : 100 years: +40 %: 15 mins: Winter		12.500	
FEH : 30 years: +35 %: 15 mins: Summer		12.500	
FEH : 30 years: +35 %: 15 mins: Winter		12.500	
FEH : 2 years: +0 %: 30 mins: Summer		12.500	
FEH : 2 years: +0 %: 30 mins: Winter		12.500	
FEH : 100 years: +40 %: 30 mins: Summer		12.500	
FEH : 100 years: +40 %: 30 mins: Winter		12.500	
FEH : 30 years: +35 %: 30 mins: Summer		12.500	
FEH : 30 years: +35 %: 30 mins: Winter		12.500	
FEH : 2 years: +0 %: 60 mins: Summer		12.500	
FEH : 2 years: +0 %: 60 mins: Winter		12.500	
FEH : 100 years: +40 %: 60 mins: Summer		12.500	
FEH : 100 years: +40 %: 60 mins: Winter		12.500	
FEH : 30 years: +35 %: 60 mins: Summer		12.500	
FEH : 30 years: +35 %: 60 mins: Winter		12.500	
FEH : 2 years: +0 %: 120 mins: Summer		12.500	
FEH : 2 years: +0 %: 120 mins: Winter		12.500	
FEH : 100 years: +40 %: 120 mins: Summer		12.500	
FEH : 100 years: +40 %: 120 mins: Winter		12.500	
FEH : 30 years: +35 %: 120 mins: Summer		12.500	
FEH : 30 years: +35 %: 120 mins: Winter		12.500	
FEH : 2 years: +0 %: 180 mins: Summer		12.500	
FEH : 2 years: +0 %: 180 mins: Winter		12.500	
FEH : 100 years: +40 %: 180 mins: Summer		12.500	
FEH : 100 years: +40 %: 180 mins: Winter		12.500	
FEH : 30 years: +35 %: 180 mins: Summer		12.500	
FEH : 30 years: +35 %: 180 mins: Winter		12.500	
FEH : 2 years: +0 %: 240 mins: Summer		12.500	

FEH : 2 years: +0 %: 240 mins: Winter		12.500	
FEH : 100 years: +40 %: 240 mins: Summer		12.500	
FEH : 100 years: +40 %: 240 mins: Winter		12.500	
FEH : 30 years: +35 %: 240 mins: Summer		12.500	
FEH : 30 years: +35 %: 240 mins: Winter		12.500	
FEH : 2 years: +0 %: 360 mins: Summer		12.500	
FEH : 2 years: +0 %: 360 mins: Winter		12.500	
FEH : 100 years: +40 %: 360 mins: Summer		12.500	
FEH : 100 years: +40 %: 360 mins: Winter		12.500	
FEH : 30 years: +35 %: 360 mins: Summer		12.500	
FEH : 30 years: +35 %: 360 mins: Winter		12.500	
FEH : 2 years: +0 %: 480 mins: Summer		12.500	
FEH : 2 years: +0 %: 480 mins: Winter		12.500	
FEH : 100 years: +40 %: 480 mins: Summer		12.500	
FEH : 100 years: +40 %: 480 mins: Winter		12.500	
FEH : 30 years: +35 %: 480 mins: Summer		12.500	
FEH : 30 years: +35 %: 480 mins: Winter		12.500	
FEH : 2 years: +0 %: 600 mins: Summer		12.500	
FEH : 2 years: +0 %: 600 mins: Winter		12.500	
FEH : 100 years: +40 %: 600 mins: Summer		12.500	
FEH : 100 years: +40 %: 600 mins: Winter		12.500	
FEH : 30 years: +35 %: 600 mins: Summer		12.500	
FEH : 30 years: +35 %: 600 mins: Winter		12.500	
FEH : 2 years: +0 %: 720 mins: Summer		12.500	
FEH : 2 years: +0 %: 720 mins: Winter		12.500	
FEH : 100 years: +40 %: 720 mins: Summer		12.500	
FEH : 100 years: +40 %: 720 mins: Winter		12.500	
FEH : 30 years: +35 %: 720 mins: Summer		12.500	
FEH : 30 years: +35 %: 720 mins: Winter		12.500	
FEH : 2 years: +0 %: 960 mins: Summer		12.500	
FEH : 2 years: +0 %: 960 mins: Winter		12.500	
FEH : 100 years: +40 %: 960 mins: Summer		12.500	
FEH : 100 years: +40 %: 960 mins: Winter		12.500	
FEH : 30 years: +35 %: 960 mins: Summer		12.500	
FEH : 30 years: +35 %: 960 mins: Winter		12.500	

FEH : 2 years: +0 %: 1440 mins: Summer		12.500	
FEH : 2 years: +0 %: 1440 mins: Winter		12.500	
FEH : 100 years: +40 %: 1440 mins: Summer		12.500	
FEH : 100 years: +40 %: 1440 mins: Winter		12.500	
FEH : 30 years: +35 %: 1440 mins: Summer		12.500	
FEH : 30 years: +35 %: 1440 mins: Winter		12.500	
Simple Junction (1)	Fixed Surcharged Level	12.800	
FEH : 2 years: +0 %: 15 mins: Summer		12.800	
FEH : 2 years: +0 %: 15 mins: Winter		12.800	
FEH : 100 years: +40 %: 15 mins: Summer		12.800	
FEH : 100 years: +40 %: 15 mins: Winter		12.800	
FEH : 30 years: +35 %: 15 mins: Summer		12.800	
FEH : 30 years: +35 %: 15 mins: Winter		12.800	
FEH : 2 years: +0 %: 30 mins: Summer		12.800	
FEH : 2 years: +0 %: 30 mins: Winter		12.800	
FEH : 100 years: +40 %: 30 mins: Summer		12.800	
FEH : 100 years: +40 %: 30 mins: Winter		12.800	
FEH : 30 years: +35 %: 30 mins: Summer		12.800	
FEH : 30 years: +35 %: 30 mins: Winter		12.800	
FEH : 2 years: +0 %: 60 mins: Summer		12.800	
FEH : 2 years: +0 %: 60 mins: Winter		12.800	
FEH : 100 years: +40 %: 60 mins: Summer		12.800	
FEH : 100 years: +40 %: 60 mins: Winter		12.800	
FEH : 30 years: +35 %: 60 mins: Summer		12.800	
FEH : 30 years: +35 %: 60 mins: Winter		12.800	
FEH : 2 years: +0 %: 120 mins: Summer		12.800	
FEH : 2 years: +0 %: 120 mins: Winter		12.800	
FEH : 100 years: +40 %: 120 mins: Summer		12.800	
FEH : 100 years: +40 %: 120 mins: Winter		12.800	
FEH : 30 years: +35 %: 120 mins: Summer		12.800	
FEH : 30 years: +35 %: 120 mins: Winter		12.800	
FEH : 2 years: +0 %: 180 mins: Summer		12.800	
FEH : 2 years: +0 %: 180 mins: Winter		12.800	
FEH : 100 years: +40 %: 180 mins: Summer		12.800	
FEH : 100 years: +40 %: 180 mins: Winter		12.800	

FEH : 30 years: +35 %: 180 mins: Summer		12.800	
FEH : 30 years: +35 %: 180 mins: Winter		12.800	
FEH : 2 years: +0 %: 240 mins: Summer		12.800	
FEH : 2 years: +0 %: 240 mins: Winter		12.800	
FEH : 100 years: +40 %: 240 mins: Summer		12.800	
FEH : 100 years: +40 %: 240 mins: Winter		12.800	
FEH : 30 years: +35 %: 240 mins: Summer		12.800	
FEH : 30 years: +35 %: 240 mins: Winter		12.800	
FEH : 2 years: +0 %: 360 mins: Summer		12.800	
FEH : 2 years: +0 %: 360 mins: Winter		12.800	
FEH : 100 years: +40 %: 360 mins: Summer		12.800	
FEH : 100 years: +40 %: 360 mins: Winter		12.800	
FEH : 30 years: +35 %: 360 mins: Summer		12.800	
FEH : 30 years: +35 %: 360 mins: Winter		12.800	
FEH : 2 years: +0 %: 480 mins: Summer		12.800	
FEH : 2 years: +0 %: 480 mins: Winter		12.800	
FEH : 100 years: +40 %: 480 mins: Summer		12.800	
FEH : 100 years: +40 %: 480 mins: Winter		12.800	
FEH : 30 years: +35 %: 480 mins: Summer		12.800	
FEH : 30 years: +35 %: 480 mins: Winter		12.800	
FEH : 2 years: +0 %: 600 mins: Summer		12.800	
FEH : 2 years: +0 %: 600 mins: Winter		12.800	
FEH : 100 years: +40 %: 600 mins: Summer		12.800	
FEH : 100 years: +40 %: 600 mins: Winter		12.800	
FEH : 30 years: +35 %: 600 mins: Summer		12.800	
FEH : 30 years: +35 %: 600 mins: Winter		12.800	
FEH : 2 years: +0 %: 720 mins: Summer		12.800	
FEH : 2 years: +0 %: 720 mins: Winter		12.800	
FEH : 100 years: +40 %: 720 mins: Summer		12.800	
FEH : 100 years: +40 %: 720 mins: Winter		12.800	
FEH : 30 years: +35 %: 720 mins: Summer		12.800	
FEH : 30 years: +35 %: 720 mins: Winter		12.800	
FEH : 2 years: +0 %: 960 mins: Summer		12.800	
FEH : 2 years: +0 %: 960 mins: Winter		12.800	
FEH : 100 years: +40 %: 960 mins: Summer		12.800	

FEH : 100 years: +40 %: 960 mins: Winter		12.800	
FEH : 30 years: +35 %: 960 mins: Summer		12.800	
FEH : 30 years: +35 %: 960 mins: Winter		12.800	
FEH : 2 years: +0 %: 1440 mins: Summer		12.800	
FEH : 2 years: +0 %: 1440 mins: Winter		12.800	
FEH : 100 years: +40 %: 1440 mins: Summer		12.800	
FEH : 100 years: +40 %: 1440 mins: Winter		12.800	
FEH : 30 years: +35 %: 1440 mins: Summer		12.800	
FEH : 30 years: +35 %: 1440 mins: Winter		12.800	

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Shortest
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH

Type: FEH

Site Location	GB 542381 260322 TL 42381 60322
Rainfall Version	2013
Data Type	Point
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
100.0	40.000
30.0	35.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880

North West Cambridge Masterplan:	Date: 14/05/2025		
	Designed by: MR	Checked by: BL	Approved By: BL
Report Details: Type: Inflows Summary Storm Phase: Phase (1)	Company Address:		

FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
B2/2+C2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	5.6	10.080
F3	FEH: 2 years: +0 %: 15 mins: Summer	-	1.5	2.646
F-2	FEH: 2 years: +0 %: 15 mins: Summer	-	0.9	1.620
F1/3+ F2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	2.7	4.842
F1 2/3 + G/3	FEH: 2 years: +0 %: 15 mins: Summer	-	4.4	7.848
G/3	FEH: 2 years: +0 %: 15 mins: Summer	-	0.7	1.206
Road 1	FEH: 2 years: +0 %: 15 mins: Winter	0.57	96.3	44.541
Road 2	FEH: 2 years: +0 %: 15 mins: Winter	0.54	91.7	42.417
Catchment Area (4)	FEH: 2 years: +0 %: 15 mins: Winter	0.09	15.8	7.320
Catchment Area (9)	FEH: 2 years: +0 %: 15 mins: Winter	0.40	68.1	31.506
Catchment Area (10)	FEH: 2 years: +0 %: 15 mins: Winter	0.53	89.9	41.607
Catchment Area (11)	FEH: 2 years: +0 %: 15 mins: Winter	0.79	134.4	62.163
Road 3	FEH: 2 years: +0 %: 15 mins: Winter	0.43	73.6	34.035
Phase 1 - 2	FEH: 2 years: +0 %: 30 mins: Winter	3.80	276.2	376.419
Phase 1 Plot Flow - 2	FEH: 2 years: +0 %: 15 mins: Summer	-	28.1	50.580
Phase 1 - 1	FEH: 2 years: +0 %: 30 mins: Winter	11.40	828.6	1129.266
Phase 1 Plot Flow - 1	FEH: 2 years: +0 %: 15 mins: Summer	-	31.7	57.078
Phase 1 - 3	FEH: 2 years: +0 %: 15 mins: Winter	2.00	174.8	157.395
Phase 1 Plot Flow - 3	FEH: 2 years: +0 %: 15 mins: Summer	-	15.0	27.000
H &J	FEH: 2 years: +0 %: 15 mins: Winter	19.17	1675.3	1508.653

Catchment Area (11) (2)	FEH: 2 years: +0 %: 15 mins: Winter	0.40	67.4	31.194
Phase 1 Plot Flow - 1 (1)	FEH: 2 years: +0 %: 15 mins: Summer	-	31.7	57.078
Catchment Area (16)	FEH: 2 years: +0 %: 15 mins: Winter	0.45	76.5	35.415
Catchment Area (17)	FEH: 2 years: +0 %: 15 mins: Winter	0.50	85.1	39.348
C1/2+B3/2	FEH: 2 years: +0 %: 15 mins: Summer	-	3.0	5.436
C2/2+D2	FEH: 2 years: +0 %: 15 mins: Summer	-	8.7	15.660
C1/2+D1/2	FEH: 2 years: +0 %: 15 mins: Summer	-	6.0	10.764
D1/2+E1+E2	FEH: 2 years: +0 %: 15 mins: Summer	-	11.9	21.474
F2/2	FEH: 2 years: +0 %: 15 mins: Summer	-	0.8	1.512
B1+B2/2+B3/2	FEH: 2 years: +0 %: 15 mins: Summer	-	4.4	7.956