

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



**Catchment Area**Type : Catchment Area

Area (ha)

0.006

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

**Catchment Area (1)**Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

**Catchment Area (2)**Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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**Catchment Area (3)**Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

**Catchment Area (4)**Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

**Catchment Area (5)**Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (6)

Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (7)

Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (8)

Type : Catchment Area

Area (ha)

0.001

Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (9)

Type : Catchment Area

Area (ha)

0.003

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (10)

Type : Catchment Area

Area (ha)

0.006

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (11)

Type : Catchment Area

Area (ha)

0.005

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (12)

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (13)

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (14)

Type : Catchment Area

Area (ha)	0.039
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (15)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (16)

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (17)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (18)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (19)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (20)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (21)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (22)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (23)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (24)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (25)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (26)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10

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Catchment Area (27)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (28)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	10



Catchment Area (29)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

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Report Details: Type: Inflows Storm Phase: Phase	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



Catchment Area (30)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (31)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0



Catchment Area (32)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

Runoff Method	Time of Concentration
Summer Volumetric Runoff	1.000
Winter Volumetric Runoff	1.000
Time of Concentration (mins)	5
Percentage Impervious (%)	100
Urban Creep (%)	0

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Phase	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



Cellular Storage

Type : Cellular Storage

Dimensions	
Exceedance Level (m)	99.504
Depth (m)	1.200
Base Level (m)	96.930
Number of Crates Long	12
Number of Crates Wide	15
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	103.974

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Phase	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



Flow Options

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

FEH

Type: FEH

Site Location	GB 446893 297587 SP 46893 97587
Return Period (years)	2.0
Rainfall Version	2022

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)	10.00
Min. Backdrop (m)	0.000
Max. Backdrop (m)	0.000
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Manhole Options

Apply Offset	☐
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Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Phase	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
8520	Free Discharge			

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall		Type: FEH
FEH		
Site Location	GB 446893 297587 SP 46893 97587	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

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

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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

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
SW10	FEH: 2 years: +0 %: 15 mins: Summer	101.136	100.436	100.459	0.023	1.9	0.004	0.000	1.9	0.826	OK
SW11	FEH: 2 years: +0 %: 15 mins: Summer	100.665	99.385	99.413	0.027	4.2	0.004	0.000	4.1	1.876	OK
SW08	FEH: 2 years: +0 %: 15 mins: Summer	101.249	100.549	100.562	0.013	0.6	0.002	0.000	0.6	0.272	OK
SW09	FEH: 2 years: +0 %: 15 mins: Summer	100.259	99.509	99.536	0.027	1.3	0.004	0.000	1.2	0.560	OK
SW16	FEH: 2 years: +0 %: 15 mins: Summer	100.964	100.264	100.287	0.023	1.4	0.004	0.000	1.3	0.589	OK
SW18	FEH: 2 years: +0 %: 15 mins: Summer	100.074	99.374	99.420	0.045	3.2	0.007	0.000	3.1	1.402	OK
SW17	FEH: 2 years: +0 %: 15 mins: Summer	100.208	99.508	99.534	0.026	1.2	0.004	0.000	1.1	0.508	OK
SW19	FEH: 2 years: +0 %: 15 mins: Summer	99.809	99.109	99.135	0.026	5.3	0.004	0.000	5.2	2.381	OK
SW07	FEH: 2 years: +0 %: 15 mins: Summer	99.875	97.022	97.148	0.126	20.7	0.143	0.000	18.7	9.124	OK
SW06	FEH: 2 years: +0 %: 15 mins: Summer	99.363	97.126	97.187	0.061	6.2	0.069	0.000	5.9	2.854	OK
SW12	FEH: 2 years: +0 %: 15 mins: Summer	99.878	96.953	97.106	0.153	31.9	0.173	0.000	31.4	14.691	OK
SW15	FEH: 2 years: +0 %: 15 mins: Summer	99.420	97.571	97.610	0.039	6.4	0.044	0.000	6.1	3.029	OK
SW13	FEH: 2 years: +0 %: 15 mins: Summer	98.649	97.824	97.853	0.029	1.7	0.033	0.000	1.5	0.733	OK
SW14	FEH: 2 years: +0 %: 15 mins: Summer	99.537	97.637	97.696	0.059	6.2	0.067	0.000	5.8	2.750	OK
SW01	FEH: 2 years: +0 %: 15 mins: Summer	98.444	97.694	97.717	0.024	0.9	0.004	0.000	0.9	0.406	OK
SW02	FEH: 2 years: +0 %: 15 mins: Summer	98.605	97.542	97.565	0.022	0.9	0.004	0.000	0.9	0.403	OK
SW03	FEH: 2 years: +0 %: 15 mins: Summer	98.960	97.461	97.511	0.050	3.9	0.008	0.000	3.8	1.722	OK
SW20	FEH: 2 years: +0 %: 15 mins: Summer	99.803	96.860	96.895	0.034	1.6	0.039	0.000	1.6	1.688	OK
SW21	FEH: 2 years: +0 %: 15 mins: Summer	99.401	96.696	96.730	0.035	1.6	0.039	0.000	1.6	1.595	OK
SW22	FEH: 2 years: +0 %: 15 mins: Summer	99.603	96.626	96.661	0.035	1.6	0.039	0.000	1.6	1.493	OK
SW23	FEH: 2 years: +0 %: 15 mins: Summer	98.736	96.403	96.432	0.030	1.6	0.034	0.000	1.6	1.400	OK
SW24	FEH: 2 years: +0 %: 15 mins: Summer	98.285	96.247	96.276	0.029	1.6	0.032	0.000	1.6	1.346	OK
SW04	FEH: 2 years: +0 %: 15 mins: Summer	98.755	97.384	97.434	0.049	3.8	0.008	0.000	3.7	1.718	OK
SW05	FEH: 2 years: +0 %: 15 mins: Summer	99.256	97.283	97.322	0.039	3.7	0.006	0.000	3.6	1.715	OK
8501	FEH: 2 years: +0 %: 15 mins: Summer	99.090	96.890	96.890	0.000	0.0	0.000	0.000	0.0	0.000	OK
8503	FEH: 2 years: +0 %: 15 mins: Summer	98.430	96.050	96.076	0.026	1.6	0.029	0.000	1.6	1.279	OK
8506	FEH: 2 years: +0 %: 15 mins: Summer	98.350	95.430	95.464	0.034	1.6	0.038	0.000	1.6	1.202	OK
8520	FEH: 2 years: +0 %: 15 mins: Summer	97.790	95.240	95.273	0.033	1.6	0.000	0.000	1.6	1.202	OK

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FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

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
SW10	FEH: 30 years: +0 %: 15 mins: Summer	101.136	100.436	100.469	0.033	4.0	0.005	0.000	3.9	1.735	OK
SW11	FEH: 30 years: +0 %: 15 mins: Summer	100.665	99.385	99.426	0.040	8.9	0.006	0.000	8.7	3.937	OK
SW08	FEH: 30 years: +0 %: 15 mins: Summer	101.249	100.549	100.568	0.019	1.3	0.003	0.000	1.3	0.570	OK
SW09	FEH: 30 years: +0 %: 15 mins: Summer	100.259	99.509	99.549	0.040	2.7	0.006	0.000	2.6	1.186	OK
SW16	FEH: 30 years: +0 %: 15 mins: Summer	100.964	100.264	100.298	0.033	2.9	0.005	0.000	2.8	1.248	OK
SW18	FEH: 30 years: +0 %: 15 mins: Summer	100.074	99.374	99.447	0.073	6.8	0.012	0.000	6.5	2.972	OK
SW17	FEH: 30 years: +0 %: 15 mins: Summer	100.208	99.508	99.546	0.038	2.5	0.006	0.000	2.4	1.073	OK
SW19	FEH: 30 years: +0 %: 15 mins: Summer	99.809	99.109	99.148	0.040	11.2	0.006	0.000	11.1	5.037	OK
SW07	FEH: 30 years: +0 %: 15 mins: Summer	99.875	97.022	97.275	0.253	39.8	0.286	0.000	36.0	18.063	Surcharged
SW06	FEH: 30 years: +0 %: 15 mins: Summer	99.363	97.126	97.276	0.149	13.3	0.169	0.000	8.4	5.553	OK
SW12	FEH: 30 years: +0 %: 15 mins: Summer	99.878	96.953	97.266	0.313	64.3	0.354	0.000	61.1	29.824	Surcharged
SW15	FEH: 30 years: +0 %: 15 mins: Summer	99.420	97.571	97.629	0.058	13.8	0.066	0.000	13.4	6.403	OK
SW13	FEH: 30 years: +0 %: 15 mins: Summer	98.649	97.824	97.867	0.043	3.6	0.048	0.000	3.3	1.554	OK
SW14	FEH: 30 years: +0 %: 15 mins: Summer	99.537	97.637	97.725	0.088	13.2	0.100	0.000	12.5	5.824	OK
SW01	FEH: 30 years: +0 %: 15 mins: Summer	98.444	97.694	97.728	0.034	2.0	0.005	0.000	1.9	0.854	OK
SW02	FEH: 30 years: +0 %: 15 mins: Summer	98.605	97.542	97.574	0.032	1.9	0.005	0.000	1.8	0.851	OK
SW03	FEH: 30 years: +0 %: 15 mins: Summer	98.960	97.461	97.538	0.078	8.2	0.012	0.000	8.1	3.629	OK
SW20	FEH: 30 years: +0 %: 15 mins: Summer	99.803	96.860	96.890	0.029	1.3	0.033	0.000	1.2	1.496	OK
SW21	FEH: 30 years: +0 %: 15 mins: Summer	99.401	96.696	96.725	0.029	1.2	0.033	0.000	1.2	1.419	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026		
		Designed by: SW	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



SW22	FEH: 30 years: +0 %: 15 mins: Summer	99.60 3	96.62 6	96.656	0.030	1.2	0.034	0.000	1.2	1.335	OK
SW23	FEH: 30 years: +0 %: 15 mins: Summer	98.73 6	96.40 3	96.429	0.027	1.2	0.030	0.000	1.3	1.257	OK
SW24	FEH: 30 years: +0 %: 15 mins: Summer	98.28 5	96.24 7	96.274	0.026	1.3	0.030	0.000	1.4	1.212	OK
SW04	FEH: 30 years: +0 %: 15 mins: Summer	98.75 5	97.38 4	97.459	0.075	8.1	0.012	0.000	7.9	3.625	OK
SW05	FEH: 30 years: +0 %: 15 mins: Summer	99.25 6	97.28 3	97.340	0.057	7.9	0.009	0.000	7.8	3.622	OK
8501	FEH: 30 years: +0 %: 15 mins: Summer	99.09 0	96.89 0	96.890	0.000	0.0	0.000	0.000	0.0	0.000	OK
8503	FEH: 30 years: +0 %: 15 mins: Summer	98.43 0	96.05 0	96.074	0.024	1.4	0.027	0.000	1.4	1.157	OK
8506	FEH: 30 years: +0 %: 15 mins: Summer	98.35 0	95.43 0	95.459	0.029	1.4	0.033	0.000	1.2	1.092	OK
8520	FEH: 30 years: +0 %: 15 mins: Summer	97.79 0	95.24 0	95.268	0.028	1.2	0.000	0.000	1.2	1.092	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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

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
SW10	FEH: 100 years: +40 %: 15 mins: Summer	101.136	100.436	100.481	0.045	7.0	0.007	0.000	6.9	3.054	OK
SW11	FEH: 100 years: +40 %: 15 mins: Summer	100.665	99.385	99.441	0.056	15.7	0.009	0.000	15.4	6.911	OK
SW08	FEH: 100 years: +40 %: 15 mins: Summer	101.249	100.549	100.574	0.025	2.3	0.004	0.000	2.3	1.002	OK
SW09	FEH: 100 years: +40 %: 15 mins: Summer	100.259	99.509	99.564	0.054	4.7	0.009	0.000	4.6	2.079	OK
SW16	FEH: 100 years: +40 %: 15 mins: Summer	100.964	100.264	100.309	0.045	5.0	0.007	0.000	4.9	2.191	OK
SW18	FEH: 100 years: +40 %: 15 mins: Summer	100.074	99.374	99.585	0.211	11.9	0.034	0.000	9.7	5.220	Surcharged
SW17	FEH: 100 years: +40 %: 15 mins: Summer	100.208	99.508	99.561	0.053	4.3	0.008	0.000	4.2	1.888	OK
SW19	FEH: 100 years: +40 %: 15 mins: Summer	99.809	99.109	99.161	0.053	17.9	0.008	0.000	17.8	8.861	OK
SW07	FEH: 100 years: +40 %: 15 mins: Summer	99.875	97.022	97.713	0.691	60.4	0.782	0.000	58.0	31.807	Surcharged
SW06	FEH: 100 years: +40 %: 15 mins: Summer	99.363	97.126	97.716	0.589	15.5	0.667	0.000	17.1	9.290	Surcharged
SW12	FEH: 100 years: +40 %: 15 mins: Summer	99.878	96.953	97.538	0.585	106.4	0.661	0.000	104.2	53.050	Surcharged
SW15	FEH: 100 years: +40 %: 15 mins: Summer	99.420	97.571	97.652	0.081	24.4	0.092	0.000	23.9	11.207	OK
SW13	FEH: 100 years: +40 %: 15 mins: Summer	98.649	97.824	97.881	0.057	6.3	0.064	0.000	5.9	2.732	OK
SW14	FEH: 100 years: +40 %: 15 mins: Summer	99.537	97.637	97.757	0.121	23.1	0.137	0.000	22.0	10.247	OK
SW01	FEH: 100 years: +40 %: 15 mins: Summer	98.444	97.694	97.770	0.076	3.4	0.012	0.000	2.9	1.512	OK
SW02	FEH: 100 years: +40 %: 15 mins: Summer	98.605	97.542	97.765	0.223	3.1	0.035	0.000	4.9	1.718	Surcharged
SW03	FEH: 100 years: +40 %: 15 mins: Summer	98.960	97.461	97.756	0.295	11.2	0.047	0.000	9.6	6.539	Surcharged
SW20	FEH: 100 years: +40 %: 15 mins: Summer	99.803	96.860	96.895	0.035	1.6	0.039	0.000	1.7	1.968	OK
SW21	FEH: 100 years: +40 %: 15 mins: Summer	99.401	96.696	96.730	0.034	1.7	0.039	0.000	1.6	1.875	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026		
		Designed by: SW	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL		



SW22	FEH: 100 years: +40 %: 15 mins: Summer	99.60 3	96.62 6	96.661	0.034	1.6	0.039	0.000	1.6	1.773	OK
SW23	FEH: 100 years: +40 %: 15 mins: Summer	98.73 6	96.40 3	96.432	0.030	1.6	0.033	0.000	1.6	1.680	OK
SW24	FEH: 100 years: +40 %: 15 mins: Summer	98.28 5	96.24 7	96.276	0.028	1.6	0.032	0.000	1.6	1.625	OK
SW04	FEH: 100 years: +40 %: 15 mins: Summer	98.75 5	97.38 4	97.736	0.352	9.6	0.056	0.000	11.5	6.182	Surcharged
SW05	FEH: 100 years: +40 %: 15 mins: Summer	99.25 6	97.28 3	97.722	0.439	11.5	0.070	0.000	13.2	5.982	Surcharged
8501	FEH: 100 years: +40 %: 15 mins: Summer	99.09 0	96.89 0	96.890	0.000	0.0	0.000	0.000	0.0	0.000	OK
8503	FEH: 100 years: +40 %: 15 mins: Summer	98.43 0	96.05 0	96.075	0.025	1.6	0.029	0.000	1.6	1.559	OK
8506	FEH: 100 years: +40 %: 15 mins: Summer	98.35 0	95.43 0	95.464	0.034	1.6	0.038	0.000	1.6	1.481	OK
8520	FEH: 100 years: +40 %: 15 mins: Summer	97.79 0	95.24 0	95.273	0.033	1.6	0.000	0.000	1.6	1.481	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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

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)	Percentage Available (%)	Status
Cellular Storage	FEH: 2 years: +0 %: 360 mins: Summer	97.268	97.268	0.338	0.338	7.9	28.929	0.000	0.000	1.8	43.555	72.176	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



**FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.
US Depth**

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. Residual Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage	FEH: 30 years: +0 %: 240 mins: Winter	97.605	97.605	0.675	0.675	12.9	57.716	0.000	0.000	1.7	38.178	44.490	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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

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)	Percentage Available (%)	Status
Cellular Storage	FEH: 100 years: +40 %: 360 mins: Winter	98.353	98.353	1.423	1.423	16.1	102.843	0.000	0.000	2.0	73.580	1.088	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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
3.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW08	SW09	101.249	100.562	0.020	0.272	0.5	0.04	0.6	OK
2.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.459	0.025	0.826	1.2	0.11	1.9	OK
3.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.536	0.027	0.560	0.6	0.07	1.2	OK
2.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.413	0.077	1.876	0.4	0.08	4.1	OK
4.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW13	SW14	98.649	97.853	0.044	0.733	0.3	0.04	1.5	OK
1.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW01	SW02	98.444	97.717	0.023	0.406	0.5	0.05	0.9	OK
1.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.565	0.036	0.403	0.3	0.05	0.9	OK
4.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.696	0.049	2.750	0.9	0.14	5.8	OK
1.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW03	SW04	98.960	97.511	0.050	1.722	0.7	0.21	3.8	OK
1.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW06	SW07	99.363	97.187	0.093	2.854	0.4	0.17	5.9	OK
4.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.610	0.096	3.029	0.4	0.07	6.1	OK
1.006	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.148	0.140	9.124	0.7	0.47	18.7	OK
5.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.135	0.090	2.381	0.7	0.16	5.2	OK
6.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.287	0.034	0.589	0.6	0.11	1.3	OK
5.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW17	SW19	100.208	99.534	0.026	0.508	0.7	0.14	1.1	OK
6.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW18	SW19	100.074	99.420	0.036	1.402	1.2	0.36	3.1	OK
1.008	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	Cellular Storage	SW20	99.504	97.126	0.034	59.213	0.6	0.1	1.8	Surcharged
1.007	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.106	0.147	14.691	1.7	0.86	31.4	OK
1.009	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SW20	SW21	99.803	96.896	0.036	59.209	0.5	0.12	1.8	OK

Project: 10170 - Pegs Close Surface Water Design				Date: 10/07/2026							
Report Details: Type: Connections Summary Storm Phase: Phase				Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL							
Designed by: SW				Checked by:		Approved By:					

1.010	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SW21	SW22	99.401	96.732	0.036	59.204	0.5	0.12	1.8	OK
1.011	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SW22	SW23	99.603	96.663	0.034	59.199	0.6	0.12	1.8	OK
1.012	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SW23	SW24	98.736	96.434	0.031	59.194	0.7	0.09	1.8	OK
1.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.434	0.044	1.718	0.9	0.21	3.7	OK
1.004	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.322	0.050	1.715	0.7	0.15	3.6	OK
Pipe (24)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	8501	8503	99.090	96.890	0.013	0.000	0.0	0	0.0	OK
Pipe (25)	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	8503	8506	98.430	96.077	0.031	59.188	0.8	0.16	1.8	OK
Pipe (26)	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	8506	8520	98.350	95.466	0.035	59.183	0.7	0.26	1.8	OK
1.013	FEH: 2 years: +0 %: 960 mins: Winter	Pipe	SW24	8503	98.285	96.277	0.028	59.191	1.0	0.18	1.8	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



FEH: 30 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
3.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW08	SW09	101.249	100.568	0.030	0.570	0.7	0.08	1.3	OK
2.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.469	0.037	1.735	1.5	0.24	3.9	OK
3.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.549	0.040	1.186	0.7	0.15	2.6	OK
2.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.426	0.147	3.937	0.5	0.17	8.7	OK
4.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW13	SW14	98.649	97.867	0.065	1.554	0.3	0.08	3.3	OK
1.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW01	SW02	98.444	97.728	0.033	0.854	0.7	0.11	1.9	OK
1.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.574	0.055	0.851	0.3	0.1	1.8	OK
4.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.725	0.073	5.824	1.1	0.3	12.5	OK
1.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW03	SW04	98.960	97.538	0.076	3.629	0.9	0.45	8.1	OK
1.005	FEH: 30 years: +0 %: 15 mins: Winter	Pipe	SW06	SW07	99.363	97.264	0.190	5.545	0.3	0.26	9.4	OK
4.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.629	0.166	6.403	0.5	0.16	13.4	OK
1.006	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.275	0.225	18.058	0.9	0.91	36.0	Surcharged
5.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.148	0.100	5.037	1.4	0.34	11.1	OK
6.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.298	0.053	1.248	0.7	0.23	2.8	OK

Project: 10170 - Pegs Close Surface Water Design				Date: 10/07/2026									
				Designed by: SW		Checked by:						Approved By:	
Report Details: Type: Connections Summary Storm Phase: Phase				Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL									

5.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW17	SW19	100.208	99.546	0.039	1.073	0.8	0.3	2.4	OK
6.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW18	SW19	100.074	99.447	0.056	2.972	1.4	0.75	6.5	OK
1.008	FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Cellular Storage	SW20	99.504	97.576	0.034	70.310	0.6	0.1	1.8	Surch arged
1.007	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.266	0.225	29.822	1.8	1.68	61.1	Surch arged
1.009	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	SW20	SW21	99.803	96.896	0.036	101.705	0.5	0.12	1.8	OK
1.010	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	SW21	SW22	99.401	96.732	0.036	108.792	0.5	0.12	1.8	OK
1.011	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	SW22	SW23	99.603	96.663	0.034	108.788	0.6	0.12	1.8	OK
1.012	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	SW23	SW24	98.736	96.434	0.031	108.784	0.7	0.09	1.8	OK
1.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.459	0.066	3.625	1.1	0.44	7.9	OK
1.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.340	0.103	3.622	0.6	0.32	7.8	OK
Pipe (24)	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	8501	8503	99.090	96.890	0.012	0.000	0.0	0	0.0	OK
Pipe (25)	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	8503	8506	98.430	96.077	0.031	108.778	0.8	0.16	1.8	OK
Pipe (26)	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	8506	8520	98.350	95.466	0.035	108.774	0.7	0.26	1.8	OK
1.013	FEH: 30 years: +0 %: 1440 mins: Winter	Pipe	SW24	8503	98.285	96.277	0.028	108.781	1.0	0.18	1.8	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by:		Approved By:
Report Details: Type: Connections Summary Storm Phase: Phase		Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL			



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
3.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW08	SW09	101.249	100.574	0.040	1.002	0.8	0.14	2.3	OK
2.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.481	0.051	3.054	1.7	0.42	6.9	OK
3.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.564	0.055	2.079	0.8	0.26	4.6	OK
2.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.441	0.150	6.911	0.9	0.3	15.4	OK
4.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW13	SW14	98.649	97.881	0.089	2.732	0.4	0.14	5.9	OK
1.000	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	SW01	SW02	98.444	97.742	0.121	1.502	0.5	0.18	3.2	OK
1.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.765	0.150	1.506	0.3	0.28	4.9	Surcharged
4.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.757	0.101	10.247	1.3	0.54	22.0	OK
1.002	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW03	SW04	98.960	97.756	0.150	6.322	0.7	0.54	9.6	Surcharged
1.005	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW06	SW07	99.363	97.716	0.225	9.132	0.4	0.48	17.1	Surcharged
4.002	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.652	0.225	11.207	0.6	0.28	23.9	OK
1.006	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.713	0.225	31.717	1.5	1.47	58.0	Surcharged
5.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.161	0.100	8.861	2.3	0.55	17.8	OK
6.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.309	0.100	2.191	0.6	0.41	4.9	OK

Project: 10170 - Pegs Close Surface Water Design				Date: 10/07/2026									
				Designed by: SW		Checked by:						Approved By:	
Report Details: Type: Connections Summary Storm Phase: Phase				Company: Dbstructural Liscombe Business Park, Unit 3 Liscombe West Soulbury, Leighton Buzzard LU7 0JL									

5.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW17	SW19	100.208	99.561	0.053	1.888	1.0	0.53	4.2	OK
6.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW18	SW19	100.074	99.585	0.100	5.220	1.3	1.12	9.7	Surcharged
1.008	FEH: 100 years: +40 %: 120 mins: Summer	Pipe	Cellular Storage	SW20	99.504	98.021	0.036	24.066	0.6	0.11	2.0	Surcharged
1.007	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.538	0.225	53.000	2.6	2.86	104.2	Surcharged
1.009	FEH: 100 years: +40 %: 120 mins: Winter	Pipe	SW20	SW21	99.803	96.898	0.038	23.858	0.6	0.14	2.0	OK
1.010	FEH: 100 years: +40 %: 240 mins: Winter	Pipe	SW21	SW22	99.401	96.734	0.039	48.765	0.5	0.14	2.0	OK
1.011	FEH: 100 years: +40 %: 240 mins: Summer	Pipe	SW22	SW23	99.603	96.665	0.036	48.846	0.6	0.14	2.0	OK
1.012	FEH: 100 years: +40 %: 180 mins: Summer	Pipe	SW23	SW24	98.736	96.436	0.032	36.188	0.7	0.1	2.0	OK
1.003	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.736	0.150	6.136	0.8	0.65	11.5	Surcharged
1.004	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.722	0.150	5.843	0.7	0.54	13.2	Surcharged
Pipe (24)	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	8501	8503	99.090	96.890	0.013	0.000	0.0	0	0.0	OK
Pipe (25)	FEH: 100 years: +40 %: 120 mins: Winter	Pipe	8503	8506	98.430	96.078	0.033	23.385	0.9	0.18	2.0	OK
Pipe (26)	FEH: 100 years: +40 %: 240 mins: Winter	Pipe	8506	8520	98.350	95.468	0.037	48.311	0.7	0.29	2.0	OK
1.013	FEH: 100 years: +40 %: 360 mins: Summer	Pipe	SW24	8503	98.285	96.279	0.030	73.298	1.0	0.2	2.0	OK