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Document Ref: **10170-DR003**

Project Address: **Peggs Close, Earl Shilton, LE9 7BP**

Client: **Hinckley & Bosworth Borough Council**

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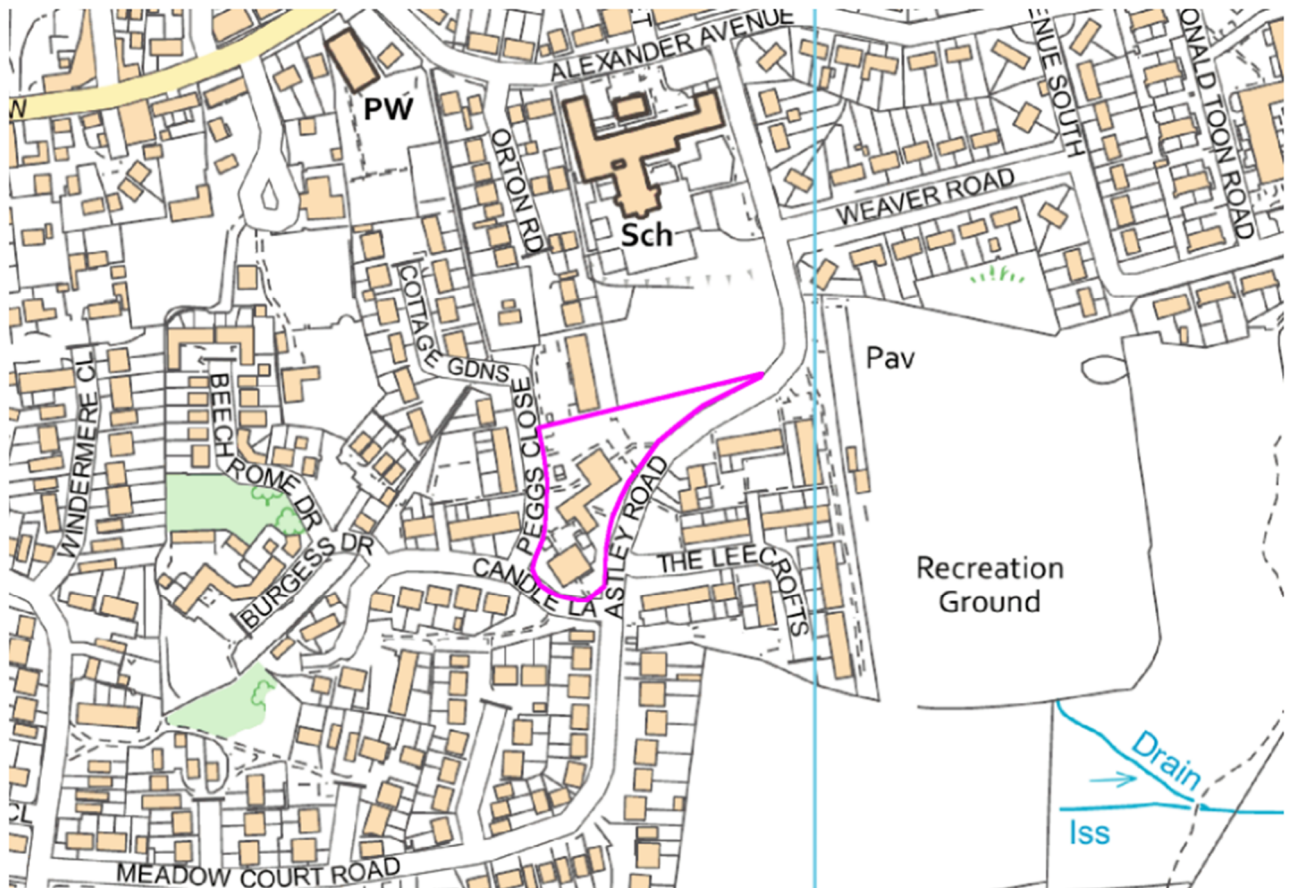
Production & Approval Record			
	Name	Position	Contact
Checked & Approved By:	Darren Ball MlStructE CEng	Director	darren@dbstructural.co.uk
Revision Record			
Revision Reference	Date	Details	
SC002	13.07.26	Amended	

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INTRODUCTION & SITE PROPOSAL

This drainage strategy has been prepared in support of a planning application for 18 new dwellings on land at Peggs Close, Earl Shilton, LE9 7BP. The site currently hosts three, three-storey residential buildings and is situated in a residential area.

Figure 1: Location Plan

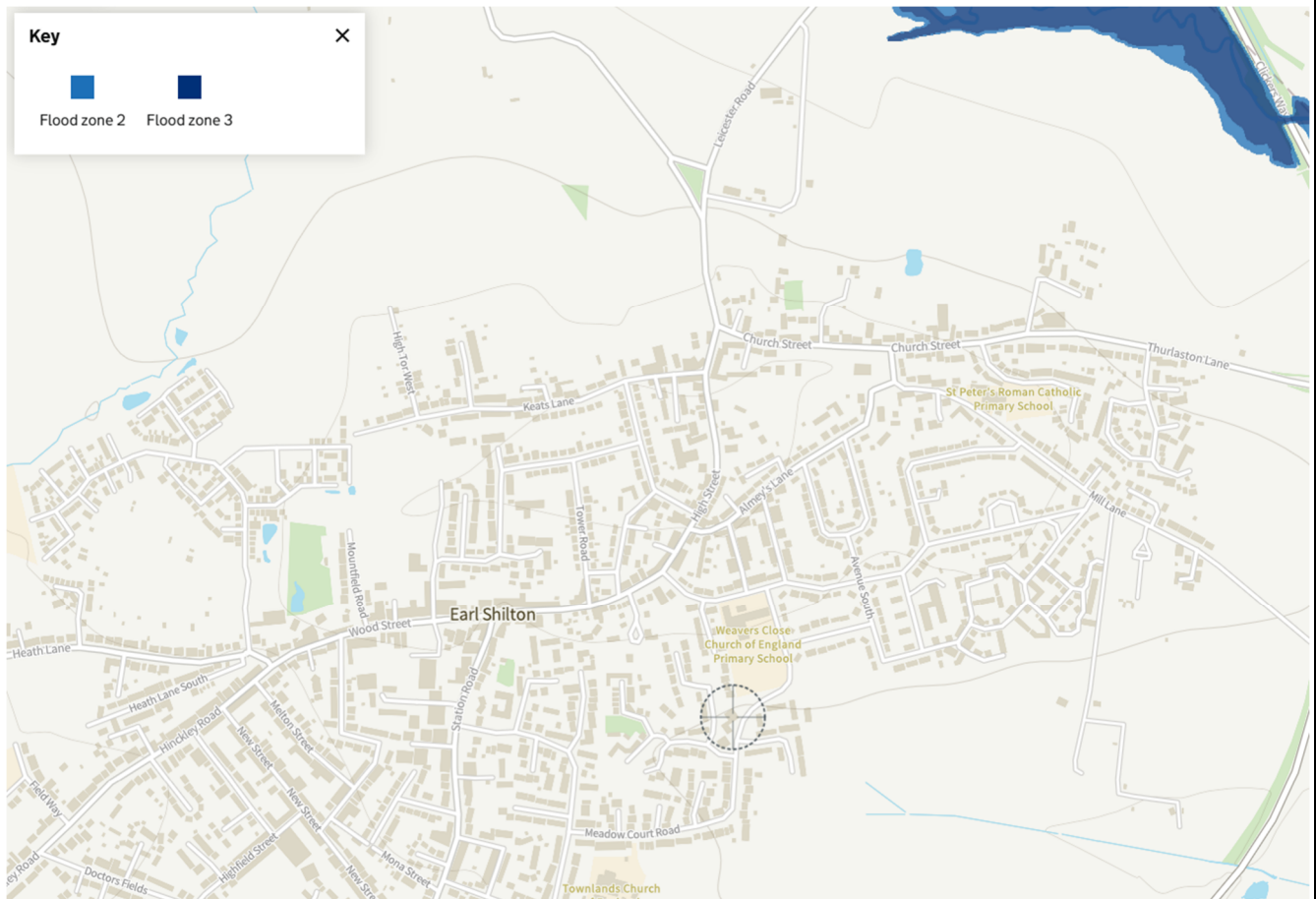


The proposed development site area totals approximately 0.46ha.

FLOOD RISK DATA REVIEW

Flood Zone

The [Flood Map for Planning Service](#) has been reviewed and an extract shown below confirming the site classification, which is Flood Zone 1, indicating Low probability of flooding from the rivers and sea.



Full descriptors of the flood zones are available in [Table 1 of the NPFF](#).

Sequential & Exception Test

As the site is in Flood Zone 1 it is not necessary to undertake a sequential or exception test.

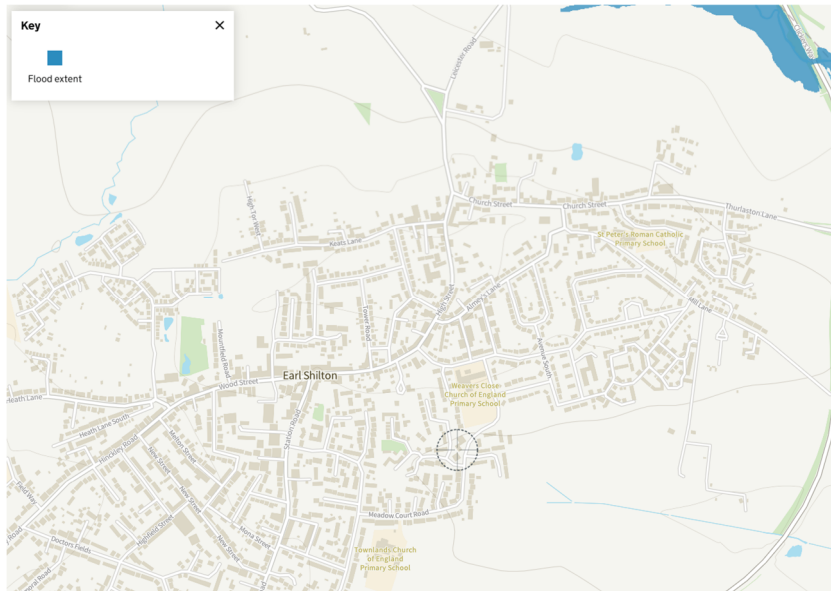
Climate Change

The site is likely to have a design life that would extend into the '2080s' thus giving an upper end climate change allowance of 40% in accordance with the Environment Agency's Climate Change Allowances using the DEFRA Interactive mapping system. [Climate change allowances for peak rainfall](#)

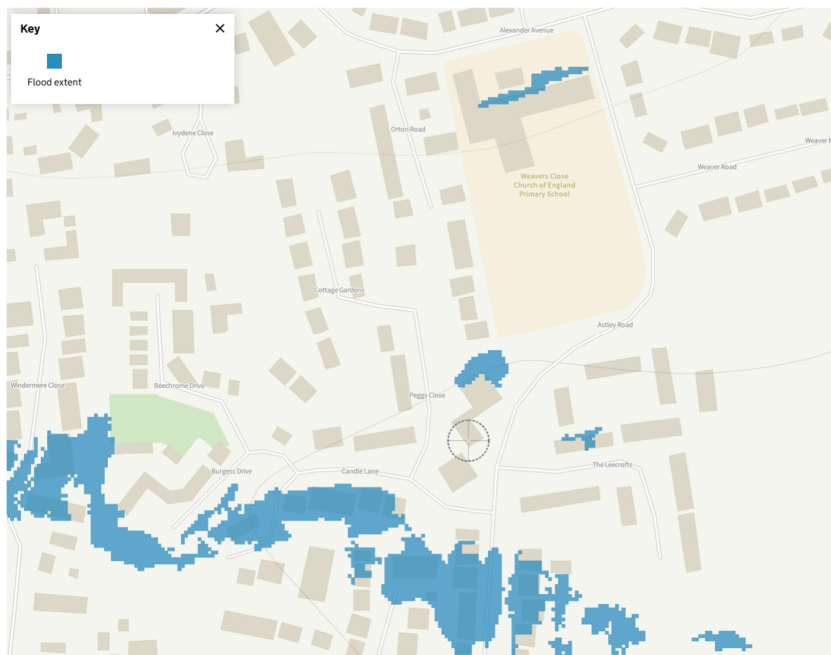
Site Specific Flood Risk

The Environment Agency's [Long Term Flood Risk map](#) has been reviewed to determine other sources of flooding that may be present on site, which are summarised below.

Rivers & Sea – no flood risk shown:



Surface Water – localised risk of surface water flooding from surface water, associated with a small area within an existing car park to the North of the site:



In addition to the above surface water map, a topographical survey of the site is available and does not indicate a depression that would cause water to pond. Generally, levels fall north to south.

Reservoirs – no risk of flooding from reservoirs is shown within or near the site.

Groundwater – flooding from groundwater has been identified as unlikely in this area.

Suitability

The site has been established to be located in Flood Zone 1.

Table 2 in the NPPF [Flood Risk Vulnerability Classification](#) demonstrates More vulnerable development in Flood Zone 1 is deemed appropriate.

Annex 3 in the NPPF sets out the flood risk vulnerability classifications, <https://www.gov.uk/guidance/national-planning-policy-framework/annex-3-flood-risk-vulnerability-classification>, in this case, residential dwelling house, the site is deemed 'More Vulnerable'.

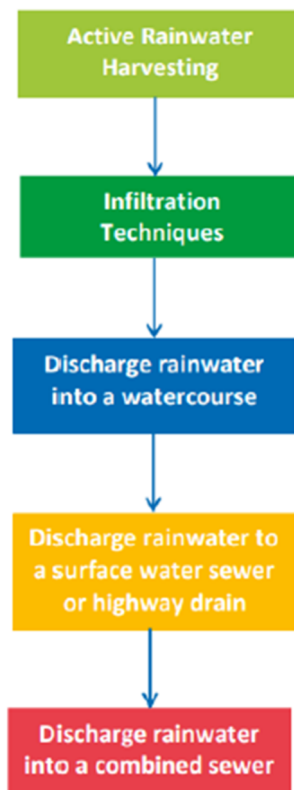
Mitigation

There are no sources of flooding to the existing site of which the proposed development would require any form of mitigation.

DRAINAGE HIERARCHY

The NPPF has a presumption in favour of sustainable development and designers must consider all sustainable options in line with the drainage hierarchy. Furthermore, Approved Document H and the Design & Construction Guidance which forms the technical requirements of the Sewerage Sector Guidance to inform water authorities requires that designers consider sustainable options as a priority.

The drainage hierarchy is outlined below:



Appraisal of Options

Rainwater Harvesting – rainwater harvesting has been considered for the development, however this fails to provide adequate volumes of storage as they often sit full in time of need. The additional plumbing for greywater systems within small residential developments is prohibitive for the minimal water demand considering the work undertaken to reduce water consumption within homes. This option has been deemed inefficient and not cost-effective and has therefore been ruled out. However, Water butts will be included in the strategy as a form of active rainwater harvesting. No volume from these water butts will be included in the design.

Infiltration – a site specific soil investigation report has been carried out and the results indicate ground conditions across the site are unsuitable for the use of conventional soakaway drainage. Refer to Paddock Geo Engineering report reference P25-139gi, entitled Ground Investigation, dated July 2025.

Discharge to watercourse – No watercourse is present on or adjacent to the site so this option is not feasible.

Discharge to sewers – a network of surface water sewers runs around the site, which the existing development connects into.

DRAINAGE STRATEGY

Based on the above, it is proposed to discharge the surface water into the existing surface water sewer network.

An assessment of the QBAR flow rate provided in the appendices, which gives a flow rate of 2.2l/s. Consequently, the network will be designed to restrict total discharge from site to 2.2l/s for all events and up to including 1 in 100 + 40% for climate change scenario.

Please refer to dbstructural drawing 10170-SK003 Surface Water Drainage Strategy, provided in the appendices.

There will be one point of discharge from the site, summarised below.

- The entire sites impermeable area will be conveyed via a gravity piped system into an attenuation tank located under the access road in the centre of the site. Run off will be discharged out of the tank via a vortex flow control to restrict the rate to 2.2l/s. The final outfall location is discharged South of the site into the public surface water sewer.

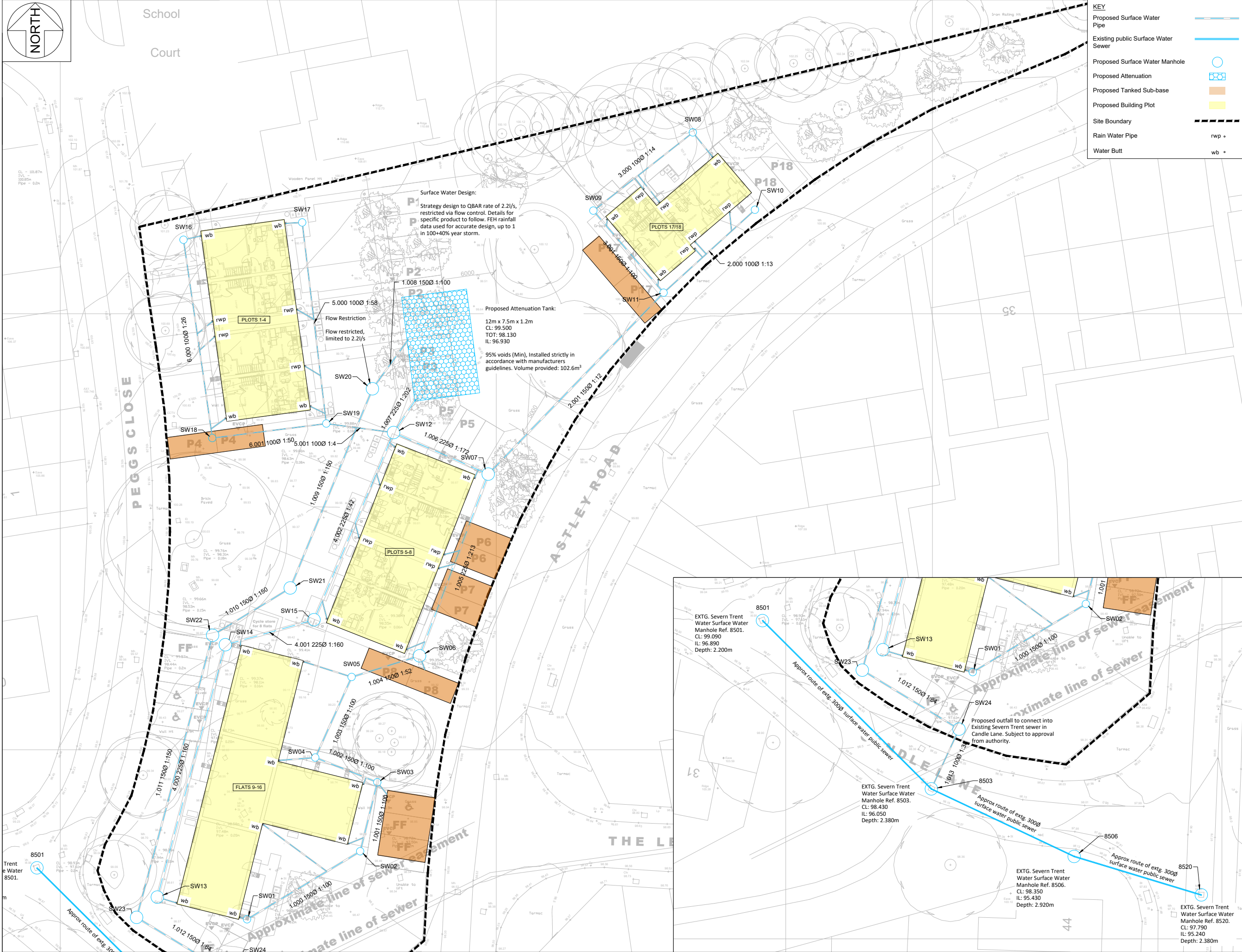
Attenuation will take the form of underground storage tanks.

The use of a tanked sub-base to the parking areas to provide storage is a feasible and viable option, a number of parking areas have been designated as tanked sub-base. These areas will connect into the piped system via an underdrain perforated pipe. As shown on Appendix A 10170-SK003A Surface Water Drainage Strategy.

APPENDICES

- **Appendix A:** 10170-SK003A Surface Water Drainage Strategy
- **Appendix B:** ICP SUDS QBAR Flow Rate Calculations
- **Appendix C:** Severn Trent Asset Records
- **Appendix D:** Surface Water Strategy Design Calculations

Appendix A: 10170-SK003A Surface Water Drainage Strategy



KEY

Proposed Surface Water Pipe

Existing public Surface Water Sewer

Proposed Surface Water Manhole

Proposed Attenuation

Proposed Tanked Sub-base

Proposed Building Plot

Site Boundary

Rain Water Pipe

Water Butt

rwp

wb

HEALTH, SAFETY & ENVIRONMENT

It is the responsibility of the client to ensure that those undertaking the works are competent and experienced in the type of work to be undertaken.

In addition to the hazards usually associated with the types of work detailed on this drawing, the following specific hazards have been identified through design risk assessment. The planning and execution of the works should take into account all usual and specific hazards.

Hazards should also be taken into account in the maintenance, operation, decommissioning and demolition of the works.

Responsibility for temporary works lies with the Contractor at all times

- NOTES**
- All dimensions are in millimetres (mm) and levels in metres Above Ordnance Datum (mAOD) unless noted otherwise.
 - Do not scale from this drawing.
 - The copyright in this drawing belongs to dbstructural; the designs and details may not be used on any project other than that indicated in the titleblock.
 - This design assumes that any applicable planning applications, building regulation applications and Party Wall agreements are approved and in place prior to the commencement of works.

- General Drainage Specification**
- All private drains shall be constructed and commissioned in accordance with the relevant sections of the Building Regulations Approved Documents and relevant British Standards.
 - All connections to be made soffit to soffit unless noted otherwise.
 - Pipe bedding to be class 'S' bedding (150mm min granular bed and surround).
 - Where cover to soffit of pipe is less than 600 mm in private areas, the following shall apply:-
 - Vitrified clay pipes - provide a 100 mm min. thick concrete bed and surround (instead of class 'S' bedding) and a 13 mm thick compressible filler at each joint.
 - uPVC pipes - provide a concrete bridging (in addition to class 'S' bedding) in accordance with Building Regulations part 'H'.
 - All concrete indicated in the construction of drainage infrastructure (pipe bedding, bridging, manholes etc) shall be standardised prescribed concrete ST2 and is to conform to BS EN 206-1 and BS 8500-2. The maximum aggregate size shall be 20mm.
 - Foundations adjacent to pipe runs or manholes are to have their formation level set above the invert level no higher than the equivalent of the horizontal distance between the pipe/excavation trench and the foundation, minus 500mm.
 - Excavations for manholes, pipe runs etc located within a 45 degree load distribution splay from any adjoining existing foundations, are to be adequately supported for the duration of the works and pipe runs protected as note 8 above.
 - Where excavations for pipe runs are parallel and in close proximity to each other and/or other service trenches, The Contractor shall ensure that adequate safety measures, including temporary shoring, are provided in line with current health & safety legislation and good practice. Particular attention is to be paid to adjacent trenches of differing invert levels.
 - All existing drainage found on site during the works shall be investigated, its operational status confirmed and the following applied:-
 - Inoperative drainage shall be cut back and pipe runs filled with concrete grout.
 - 'Live' drainage shall be advised to the engineer.
 - Foul treatment and pump electric and kiosk by others.
 - RWP into sub-base via diffuser crate, as shown in construction details

A	08.07.26	INFORMATION ADDED FOR PLANNING	SW	SG
-	03.07.26	FIRST ISSUE	SW	SG
Rev.	Date	Description	Drawn	Checked

FOR APPROVAL

PEGGS CLOSE, LEICESTER
LE9 7BP

DRAINAGE STRATEGY

1:200 @ A1

JULY 2026

Dwg No: 10170-SK003

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Appendix B: ICP SUDS QBAR Flow Rate Calculations

UK and Ireland Rural Runoff Calculator

ICP SUDS / IH 124

ADAS 345

FEH

ReFH2

Greenfield Volume

Method

☒ ICP SUDS

☐ IH 124

Area (ha)

0.46

SAAR (mm)

700.0

Map

Soil

0.470

Region

Region 4

...

Additional Options

Urban

0.000

Return Period (years)

100

Growth Curve

(None)

Calculate

Results

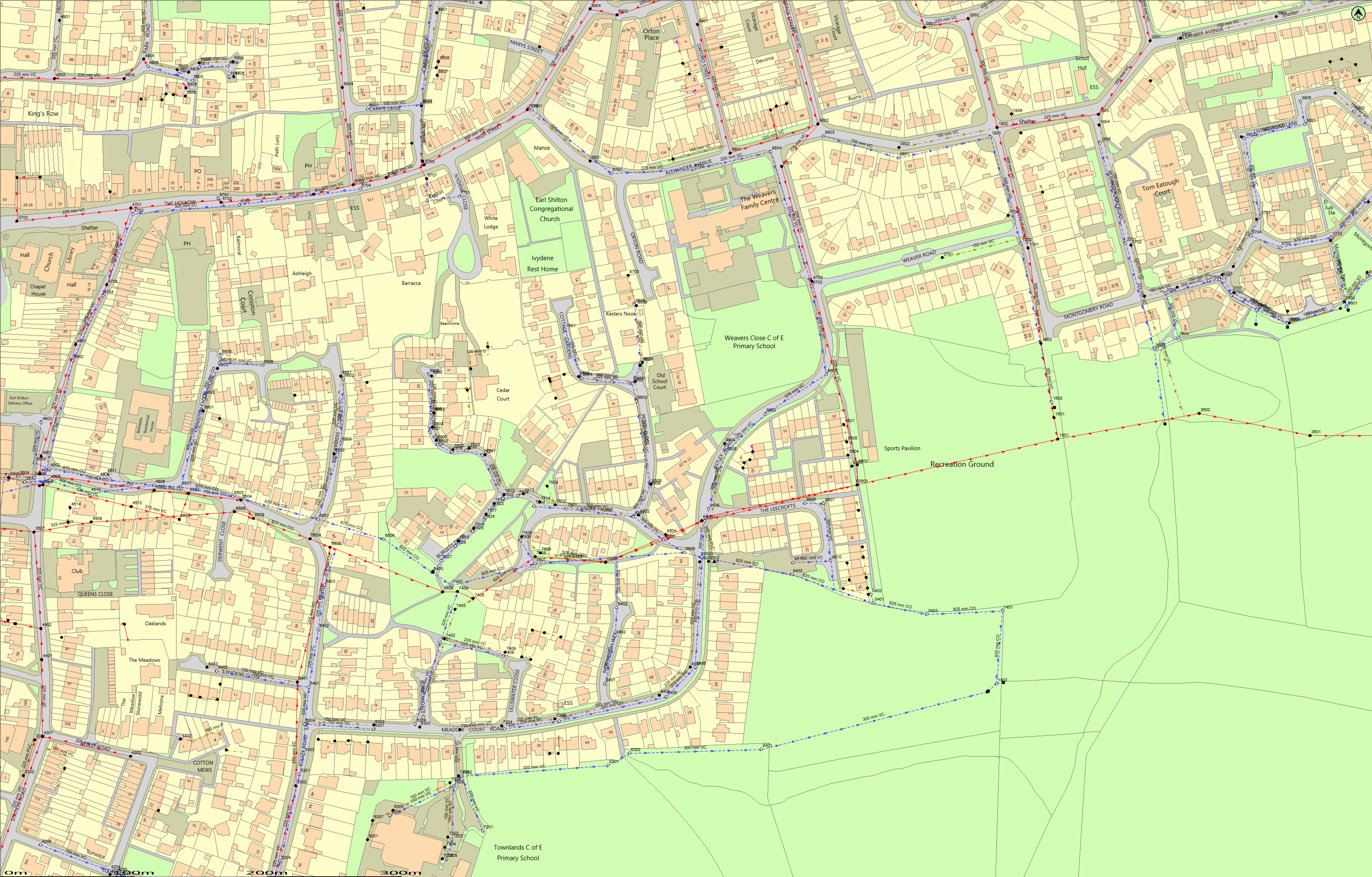
Region	QBAR Rural (L/s)	QBAR Urban (L/s)	Q 100 (years) (L/s)	Q 1 (years) (L/s)	Q 30 (years) (L/s)	Q 100 (years) (L/s)
Region 4	2.2	2.2	5.7	1.8	4.4	5.7

OK

Cancel

Help

Appendix C: Severn Trent Asset Records



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Date: 02/07/25

Scale: 1:1250

Map Centre: 446885,297593

Data updated: 14/06/25

Our Ref: 1814136 - 1

Wastewater Plan A1
Powered by digiSLD

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Public Four Gravity/Lateral Drain
Public Combined Gravity/Lateral Drain
Public Surface Water Gravity/Lateral Drain
Pressure Foul
Pressure Combined
Pressure Surface Water

Highway Drain
Overflow Pipe
Disposal Pipe
Covered Water Course
Pumping Station
Filling

Manhole
Manhole Surface
Abandoned Pipe
Chamber
Section 141 sewers are shown in green
Private sewers are shown in magenta

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Peggs Close



[illegible][illegible]

Anchhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
7510	F		0	0
7511	F		0	0
7512	F		0	0
7513	F		0	0
7514	F		0	0
7515	F		0	0
7516	F		0	0
7517	F		0	0
7518	F		0	0
7906	F	119.81	118.81	1
8404	F	98.46	96.27	2.19
8407	F	97.44	95.24	2.2
8502	F	99.07	97.51	1.56
8504	F	98.51	97.19	1.32
8507	F	97.84	95.13	2.71
8508	F	99.69	98.54	1.15
8601	F	103.18	101.73	1.45
8605	F	104.14	102.44	1.7
8608	F	104.63	103.05	1.58
8609	F	108.03	106.12	1.91
8703	F	109.32	107.52	1.8
8801	F	115.41	114.58	0.83
9502	F	96.98	94.98	2
9509	F	100.1	98.03	2.07
	S		0	0
0401	S	96.18	93.8	2.38
0402	S	96.36	95.46	0.9
0403	S	95.3	93.58	1.72
0801	S		0	0
1401	S	94.76	93.1	1.66
1402	S	95	92.48	2.52
1602	S	98.96	97.19	1.77
1702	S		0	0
1801	S	108.18	106.38	1.8
1805	S	107.17	105.59	1.58
2603	S	99.34	0	0
2604	S	101.22	99.14	2.08
2701	S	103.97	101.93	2.04
2703	S	103.17	99.69	3.48
2704	S	103.41	99.61	3.8
2705	S	103.06	101.56	1.5
2706	S	104.49	99.35	5.14
2707	S	103.25	101.27	1.98
2708	S	103.51	101.37	2.14
3504	S		0	0
3505	S	103.87	102.77	1.1
3506	S	103.83	102.49	1.34
3515	S	103.8	102.66	1.14
3601	S	102.2	101.25	0.95
3602	S	102.72	100	2.72
3609	S	102.51	101.03	1.48
3701	S	105.16	103.64	1.52
3702	S	104.53	102.87	1.66
3703	S	104.14	102.34	1.8
3704	S	104.68	103.01	1.67
3709	S	103.41	101.43	1.98
3801	S	109.37	107.66	1.71
3802	S	108.65	107.24	1.41
3803	S	108.89	107.59	1.3
3805	S	110.02	108.47	1.55
4202	S	110.9	109.14	1.76
4204	S	110.98	109.21	1.77
4205	S	111.87	110.28	1.59
4502	S	103.6	102.01	1.59
4504	S	103.29	101.83	1.46
4505	S	102.74	101.27	1.47
4506	S	103.84	102.25	1.59
4510	S	103.42	101.94	1.48
4511	S	103.47	102.06	1.41
4602	S	106.33	103.9	2.43
4603	S	103.95	103.19	0.76
4702	S	109.43	107.07	2.36
4704	S	108.19	105.5	2.69
4806	S	115.18	113.76	1.42
5204	S	106.57	104.85	1.72
5301	S	105.9	104.08	1.82
5303	S	105.29	103.31	1.98
5304	S	104.66	102.95	1.71
5402	S	105.79	104.43	1.36
5501	S	102.55	101.17	1.38
5503	S	102.04	100.64	1.4
5602	S	103.16	101.68	1.48
5604	S	104.56	102.48	2.08
5605	S	105.05	102.93	2.12
5606	S	104.59	102.73	1.86
5701	S	110.11	109.24	0.87
5703	S	110.42	107.77	2.65
5801	S	115	114.12	0.88
5803	S	115.08	113.91	1.17
5807	S	115.52	114.52	1
5808	S	115.94	114.58	1.36
5811	S	115.28	114.16	1.12
6301	S	105.78	104.42	1.36
6304	S	105.39	103.72	1.67
6306	S	104.33	103.07	1.26
6400	S	100.57	0	0
6401	S	103.68	102.26	1.42
6402	S	102.21	101.23	0.98
6403	S	101.5	99.82	1.68
6501	S	101.28	99.91	1.37
6503	S	101.97	100.55	1.42
6506	S		99.91	0
6507	S	102.48	100.73	1.75
6508	S	101.93	100.14	1.79

[illegible]

Appendix D: Surface Water Strategy Design Calculations

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026		
	Designed by: SW	Checked by: SG	Approved By: SG
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: SG	Approved By: SG
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	☐
--------------	--------------------------

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026			
	Designed by: SW	Checked by: SG	Approved By: SG	
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: SG	Approved By: SG
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	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 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: SG		Approved By: SG
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. 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
SW10	FEH: 2 years: +0 %: 15 mins: Summer	101.1 36	100.4 36	100.45 7	0.022	1.7	0.003	0.000	1.7	0.751	OK
SW11	FEH: 2 years: +0 %: 15 mins: Summer	100.6 65	99.38 5	99.411	0.026	3.8	0.004	0.000	3.7	1.708	OK
SW08	FEH: 2 years: +0 %: 15 mins: Summer	101.2 49	100.5 49	100.56 1	0.013	0.6	0.002	0.000	0.5	0.248	OK
SW09	FEH: 2 years: +0 %: 15 mins: Summer	100.2 59	99.50 9	99.535	0.026	1.2	0.004	0.000	1.1	0.512	OK
SW16	FEH: 2 years: +0 %: 15 mins: Summer	100.9 64	100.2 64	100.28 6	0.022	1.2	0.003	0.000	1.2	0.538	OK
SW18	FEH: 2 years: +0 %: 15 mins: Summer	100.0 74	99.37 4	99.417	0.043	2.9	0.007	0.000	2.8	1.276	OK
SW17	FEH: 2 years: +0 %: 15 mins: Summer	100.2 08	99.50 8	99.532	0.025	1.1	0.004	0.000	1.0	0.463	OK
SW19	FEH: 2 years: +0 %: 15 mins: Summer	99.80 9	99.10 9	99.133	0.025	4.8	0.004	0.000	4.7	2.168	OK
SW07	FEH: 2 years: +0 %: 360 mins: Summer	99.87 5	97.02 2	97.239	0.217	4.8	0.245	0.000	4.4	27.207	OK
SW06	FEH: 2 years: +0 %: 360 mins: Summer	99.36 3	97.12 6	97.239	0.113	1.5	0.128	0.000	1.5	8.377	OK
SW12	FEH: 2 years: +0 %: 360 mins: Summer	99.87 8	96.95 3	97.239	0.286	7.6	0.323	0.000	7.3	45.393	Surcharged
SW15	FEH: 2 years: +0 %: 15 mins: Summer	99.42 0	97.57 1	97.609	0.038	6.2	0.044	0.000	6.0	2.942	OK
SW13	FEH: 2 years: +0 %: 15 mins: Summer	98.64 9	97.82 4	97.853	0.029	1.7	0.033	0.000	1.5	0.733	OK
SW14	FEH: 2 years: +0 %: 15 mins: Summer	99.53 7	97.63 7	97.695	0.059	6.0	0.066	0.000	5.6	2.687	OK
SW01	FEH: 2 years: +0 %: 15 mins: Summer	98.44 4	97.69 4	97.716	0.022	0.8	0.004	0.000	0.8	0.367	OK
SW02	FEH: 2 years: +0 %: 15 mins: Summer	98.60 5	97.54 2	97.563	0.021	0.8	0.003	0.000	0.8	0.364	OK
SW03	FEH: 2 years: +0 %: 15 mins: Summer	98.96 0	97.46 1	97.509	0.048	3.7	0.008	0.000	3.6	1.623	OK
SW20	FEH: 2 years: +0 %: 960 mins: Summer	99.80 3	96.86 0	96.896	0.036	1.8	0.041	0.000	1.8	55.146	OK
SW21	FEH: 2 years: +0 %: 720 mins: Winter	99.40 1	96.69 6	96.732	0.036	1.8	0.041	0.000	1.8	51.537	OK
SW22	FEH: 2 years: +0 %: 720 mins: Winter	99.60 3	96.62 6	96.663	0.036	1.8	0.041	0.000	1.8	51.531	OK
SW23	FEH: 2 years: +0 %: 720 mins: Winter	98.73 6	96.40 3	96.434	0.031	1.8	0.035	0.000	1.8	51.525	OK
SW24	FEH: 2 years: +0 %: 720 mins: Winter	98.28 5	96.24 7	96.277	0.030	1.8	0.034	0.000	1.8	51.521	OK
SW04	FEH: 2 years: +0 %: 15 mins: Summer	98.75 5	97.38 4	97.432	0.048	3.6	0.008	0.000	3.5	1.619	OK
SW05	FEH: 2 years: +0 %: 15 mins: Summer	99.25 6	97.28 3	97.321	0.038	3.5	0.006	0.000	3.4	1.616	OK
8501	FEH: 2 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: 2 years: +0 %: 720 mins: Winter	98.43 0	96.05 0	96.077	0.027	1.8	0.030	0.000	1.8	51.517	OK
8506	FEH: 2 years: +0 %: 720 mins: Winter	98.35 0	95.43 0	95.466	0.036	1.8	0.040	0.000	1.8	51.512	OK
8520	FEH: 2 years: +0 %: 720 mins: Winter	97.79 0	95.24 0	95.275	0.035	1.8	0.000	0.000	1.8	51.512	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by: SG		Approved By: SG
Report Details: Type: Junctions 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. 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
SW10	FEH: 30 years: +0 %: 15 mins: Summer	101.1 36	100.4 36	100.46 7	0.032	3.6	0.005	0.000	3.6	1.572	OK
SW11	FEH: 30 years: +0 %: 15 mins: Summer	100.6 65	99.38 5	99.423	0.038	8.1	0.006	0.000	7.9	3.583	OK
SW08	FEH: 30 years: +0 %: 15 mins: Summer	101.2 49	100.5 49	100.56 7	0.018	1.2	0.003	0.000	1.2	0.521	OK
SW09	FEH: 30 years: +0 %: 15 mins: Summer	100.2 59	99.50 9	99.547	0.038	2.5	0.006	0.000	2.4	1.081	OK
SW16	FEH: 30 years: +0 %: 15 mins: Summer	100.9 64	100.2 64	100.29 6	0.032	2.6	0.005	0.000	2.6	1.134	OK
SW18	FEH: 30 years: +0 %: 15 mins: Summer	100.0 74	99.37 4	99.442	0.068	6.2	0.011	0.000	5.9	2.695	OK
SW17	FEH: 30 years: +0 %: 15 mins: Summer	100.2 08	99.50 8	99.544	0.036	2.2	0.006	0.000	2.2	0.974	OK
SW19	FEH: 30 years: +0 %: 15 mins: Summer	99.80 9	99.10 9	99.146	0.038	10.2	0.006	0.000	10.1	4.575	OK
SW07	FEH: 30 years: +0 %: 240 mins: Winter	99.87 5	97.02 2	97.549	0.527	7.3	0.596	0.000	6.9	41.876	Surcharged
SW06	FEH: 30 years: +0 %: 240 mins: Winter	99.36 3	97.12 6	97.549	0.423	2.4	0.478	0.000	2.0	12.868	Surcharged
SW12	FEH: 30 years: +0 %: 240 mins: Winter	99.87 8	96.95 3	97.549	0.596	12.1	0.674	0.000	11.8	70.189	Surcharged
SW15	FEH: 30 years: +0 %: 15 mins: Summer	99.42 0	97.57 1	97.628	0.057	13.4	0.065	0.000	13.0	6.209	OK
SW13	FEH: 30 years: +0 %: 15 mins: Summer	98.64 9	97.82 4	97.867	0.043	3.6	0.048	0.000	3.3	1.554	OK
SW14	FEH: 30 years: +0 %: 15 mins: Summer	99.53 7	97.63 7	97.724	0.087	12.8	0.098	0.000	12.1	5.676	OK
SW01	FEH: 30 years: +0 %: 15 mins: Summer	98.44 4	97.69 4	97.726	0.033	1.8	0.005	0.000	1.7	0.776	OK
SW02	FEH: 30 years: +0 %: 15 mins: Summer	98.60 5	97.54 2	97.573	0.030	1.7	0.005	0.000	1.7	0.773	OK
SW03	FEH: 30 years: +0 %: 240 mins: Winter	98.96 0	97.46 1	97.549	0.088	1.4	0.014	0.000	1.5	8.291	OK
SW20	FEH: 30 years: +0 %: 960 mins: Winter	99.80 3	96.86 0	96.896	0.036	1.8	0.041	0.000	1.8	93.789	OK
SW21	FEH: 30 years: +0 %: 600 mins: Winter	99.40 1	96.69 6	96.732	0.036	1.8	0.041	0.000	1.8	83.236	OK
SW22	FEH: 30 years: +0 %: 480 mins: Winter	99.60 3	96.62 6	96.662	0.036	1.8	0.041	0.000	1.8	68.519	OK
SW23	FEH: 30 years: +0 %: 480 mins: Winter	98.73 6	96.40 3	96.434	0.031	1.8	0.035	0.000	1.8	68.422	OK
SW24	FEH: 30 years: +0 %: 720 mins: Summer	98.28 5	96.24 7	96.277	0.030	1.8	0.034	0.000	1.8	88.518	OK

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



SW04	FEH: 30 years: +0 %: 240 mins: Winter	98.75 5	97.38 4	97.549	0.165	1.5	0.026	0.000	1.4	8.288	Surcharged
SW05	FEH: 30 years: +0 %: 240 mins: Winter	99.25 6	97.28 3	97.549	0.266	1.4	0.042	0.000	1.5	8.235	Surcharged
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 %: 480 mins: Summer	98.43 0	96.05 0	96.077	0.027	1.8	0.030	0.000	1.8	68.319	OK
8506	FEH: 30 years: +0 %: 600 mins: Summer	98.35 0	95.43 0	95.466	0.036	1.8	0.040	0.000	1.8	82.957	OK
8520	FEH: 30 years: +0 %: 960 mins: Summer	97.79 0	95.24 0	95.275	0.035	1.8	0.000	0.000	1.8	94.070	OK

Project:: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026			
	Designed by: SW	Checked by: SG	Approved By: SG	
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. 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
SW10	FEH: 100 years: +40 %: 15 mins: Summer	101.136	100.436	100.479	0.043	6.3	0.007	0.000	6.3	2.775	OK
SW11	FEH: 100 years: +40 %: 15 mins: Summer	100.665	99.385	99.438	0.053	14.2	0.008	0.000	14.0	6.286	OK
SW08	FEH: 100 years: +40 %: 15 mins: Summer	101.249	100.549	100.573	0.024	2.1	0.004	0.000	2.1	0.915	OK
SW09	FEH: 100 years: +40 %: 15 mins: Summer	100.259	99.509	99.561	0.052	4.3	0.008	0.000	4.2	1.901	OK
SW16	FEH: 100 years: +40 %: 15 mins: Summer	100.964	100.264	100.306	0.042	4.6	0.007	0.000	4.5	1.993	OK
SW18	FEH: 100 years: +40 %: 15 mins: Summer	100.074	99.374	99.528	0.154	10.8	0.024	0.000	8.9	4.746	Surcharged
SW17	FEH: 100 years: +40 %: 15 mins: Summer	100.208	99.508	99.558	0.050	3.9	0.008	0.000	3.8	1.716	OK
SW19	FEH: 100 years: +40 %: 15 mins: Summer	99.809	99.109	99.159	0.050	16.4	0.008	0.000	16.5	8.057	OK
SW07	FEH: 100 years: +40 %: 360 mins: Winter	99.875	97.022	98.053	1.031	8.9	1.166	0.000	8.8	79.146	Surcharged
SW06	FEH: 100 years: +40 %: 360 mins: Winter	99.363	97.126	98.053	0.927	2.5	1.048	0.000	2.3	23.456	Surcharged
SW12	FEH: 100 years: +40 %: 360 mins: Winter	99.878	96.953	98.053	1.100	15.3	1.244	0.000	15.1	133.263	Surcharged
SW15	FEH: 100 years: +40 %: 360 mins: Winter	99.420	97.571	98.052	0.482	3.3	0.545	0.000	3.3	28.188	Surcharged
SW13	FEH: 100 years: +40 %: 360 mins: Winter	98.649	97.824	98.053	0.229	0.8	0.258	0.000	0.8	7.137	Surcharged
SW14	FEH: 100 years: +40 %: 360 mins: Winter	99.537	97.637	98.052	0.416	3.0	0.470	0.000	3.0	25.982	Surcharged
SW01	FEH: 100 years: +40 %: 360 mins: Winter	98.444	97.694	98.052	0.359	0.4	0.057	0.000	0.4	3.550	Surcharged
SW02	FEH: 100 years: +40 %: 360 mins: Winter	98.605	97.542	98.053	0.511	0.4	0.081	0.000	0.4	3.381	Surcharged
SW03	FEH: 100 years: +40 %: 360 mins: Winter	98.960	97.461	98.053	0.592	1.8	0.094	0.000	1.7	15.297	Surcharged
SW20	FEH: 100 years: +40 %: 240 mins: Summer	99.803	96.860	96.898	0.038	2.0	0.043	0.000	2.0	48.428	OK
SW21	FEH: 100 years: +40 %: 120 mins: Summer	99.401	96.696	96.734	0.039	2.0	0.044	0.000	2.0	23.550	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026				
		Designed by: SW	Checked by: SG	Approved By: SG		
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 %: 240 mins: Winter	99.60 3	96.62 6	96.665	0.039	2.0	0.044	0.000	2.0	48.032	OK
SW23	FEH: 100 years: +40 %: 360 mins: Summer	98.73 6	96.40 3	96.436	0.033	2.0	0.037	0.000	2.0	71.836	OK
SW24	FEH: 100 years: +40 %: 360 mins: Summer	98.28 5	96.24 7	96.279	0.032	2.0	0.036	0.000	2.0	71.779	OK
SW04	FEH: 100 years: +40 %: 360 mins: Winter	98.75 5	97.38 4	98.053	0.669	1.7	0.106	0.000	1.7	14.977	Surcharged
SW05	FEH: 100 years: +40 %: 360 mins: Winter	99.25 6	97.28 3	98.053	0.770	1.7	0.122	0.000	1.5	14.542	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 %: 180 mins: Summer	98.43 0	96.05 0	96.078	0.028	2.0	0.032	0.000	2.0	35.669	OK
8506	FEH: 100 years: +40 %: 120 mins: Summer	98.35 0	95.43 0	95.468	0.038	2.0	0.043	0.000	2.0	23.105	OK
8520	FEH: 100 years: +40 %: 120 mins: Summer	97.79 0	95.24 0	95.277	0.037	2.0	0.000	0.000	2.0	23.105	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by: SG		Approved By: SG
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	100.561	0.019	0.248	0.5	0.03	0.5	OK
2.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.457	0.024	0.751	1.2	0.1	1.7	OK
3.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.535	0.026	0.512	0.5	0.06	1.1	OK
2.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.411	0.072	1.708	0.4	0.07	3.7	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	97.716	0.022	0.367	0.5	0.05	0.8	OK
1.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.563	0.035	0.364	0.2	0.04	0.8	OK
4.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.695	0.049	2.687	0.9	0.14	5.6	OK
1.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW03	SW04	98.960	97.509	0.048	1.623	0.7	0.2	3.6	OK
1.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW06	SW07	99.363	97.185	0.088	2.652	0.4	0.15	5.4	OK
4.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.609	0.093	2.942	0.4	0.07	6.0	OK
1.006	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.140	0.132	8.394	0.7	0.43	17.1	OK
5.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.133	0.086	2.168	0.7	0.15	4.7	OK
6.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.286	0.032	0.538	0.5	0.1	1.2	OK
5.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW17	SW19	100.208	99.532	0.025	0.463	0.7	0.13	1.0	OK
6.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW18	SW19	100.074	99.417	0.034	1.276	1.2	0.32	2.8	OK
1.008	FEH: 2 years: +0 %: 480 mins: Winter	Pipe	Cellular Storage	SW20	99.504	97.213	0.034	46.357	0.6	0.1	1.8	Surcharged
1.007	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.100	0.136	13.656	1.6	0.76	27.6	OK
1.009	FEH: 2 years: +0 %: 960 mins: Summer	Pipe	SW20	SW21	99.803	96.896	0.036	55.146	0.5	0.12	1.8	OK

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

1.010	FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SW21	SW22	99.401	96.732	0.036	51.537	0.5	0.12	1.8	OK
1.011	FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SW22	SW23	99.603	96.663	0.034	51.531	0.6	0.12	1.8	OK
1.012	FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SW23	SW24	98.736	96.434	0.031	51.525	0.7	0.09	1.8	OK
1.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.432	0.043	1.619	0.8	0.2	3.5	OK
1.004	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.321	0.048	1.616	0.7	0.14	3.4	OK
Pipe (24)	FEH: 2 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: 2 years: +0 %: 720 mins: Winter	Pipe	8503	8506	98.430	96.077	0.031	51.517	0.8	0.16	1.8	OK
Pipe (26)	FEH: 2 years: +0 %: 720 mins: Winter	Pipe	8506	8520	98.350	95.466	0.035	51.512	0.7	0.26	1.8	OK
1.013	FEH: 2 years: +0 %: 720 mins: Winter	Pipe	SW24	8503	98.285	96.277	0.028	51.521	1.0	0.18	1.8	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by: SG		Approved By: SG
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	100.567	0.028	0.521	0.6	0.07	1.2	OK
2.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.467	0.035	1.572	1.5	0.22	3.6	OK
3.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.547	0.038	1.081	0.7	0.13	2.4	OK
2.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.423	0.127	3.583	0.5	0.15	7.9	OK
4.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW13	SW14	98.649	97.867	0.065	1.554	0.4	0.08	3.3	OK
1.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW01	SW02	98.444	97.726	0.031	0.776	0.6	0.1	1.7	OK
1.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.573	0.053	0.773	0.3	0.09	1.7	OK
4.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.724	0.072	5.676	1.1	0.3	12.1	OK
1.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW03	SW04	98.960	97.536	0.074	3.428	0.9	0.43	7.6	OK
1.005	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW06	SW07	99.363	97.252	0.171	5.221	0.3	0.29	10.1	OK
4.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.628	0.153	6.209	0.5	0.15	13.0	OK
1.006	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.239	0.225	16.570	0.9	0.88	34.8	OK
5.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.146	0.100	4.575	1.3	0.31	10.1	OK
6.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.296	0.050	1.134	0.7	0.21	2.6	OK

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026			
	Designed by: SW	Checked by: SG	Approved By: SG	
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	99.544	0.037	0.974	0.8	0.27	2.2	OK
6.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW18	SW19	100.074	99.442	0.053	2.695	1.4	0.69	5.9	OK
1.008	FEH: 30 years: +0 %: 1440 mins: Summer	Pipe	Cellular Storage	SW20	99.504	97.368	0.034	100.712	0.6	0.1	1.8	Surch arged
1.007	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.240	0.225	27.601	1.8	1.6	58.3	Surch arged
1.009	FEH: 30 years: +0 %: 960 mins: Winter	Pipe	SW20	SW21	99.803	96.896	0.036	93.789	0.5	0.12	1.8	OK
1.010	FEH: 30 years: +0 %: 600 mins: Winter	Pipe	SW21	SW22	99.401	96.732	0.036	83.236	0.5	0.12	1.8	OK
1.011	FEH: 30 years: +0 %: 480 mins: Winter	Pipe	SW22	SW23	99.603	96.662	0.034	68.519	0.6	0.12	1.8	OK
1.012	FEH: 30 years: +0 %: 720 mins: Summer	Pipe	SW23	SW24	98.736	96.434	0.031	88.532	0.7	0.09	1.8	OK
1.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.457	0.064	3.423	1.0	0.42	7.4	OK
1.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.339	0.091	3.417	0.7	0.3	7.3	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 %: 480 mins: Summer	Pipe	8503	8506	98.430	96.077	0.031	68.319	0.8	0.16	1.8	OK
Pipe (26)	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	8506	8520	98.350	95.466	0.035	94.070	0.7	0.26	1.8	OK
1.013	FEH: 30 years: +0 %: 720 mins: Summer	Pipe	SW24	8503	98.285	96.277	0.028	88.518	1.0	0.18	1.8	OK

Project: 10170 - Pegs Close Surface Water Design		Date: 10/07/2026			
		Designed by: SW	Checked by: SG		Approved By: SG
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	100.573	0.038	0.915	0.8	0.13	2.1	OK
2.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW10	SW11	101.136	100.479	0.048	2.775	1.7	0.38	6.3	OK
3.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW09	SW11	100.259	99.561	0.052	1.901	0.8	0.24	4.2	OK
2.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW11	SW07	100.665	99.438	0.150	6.286	0.8	0.27	14.0	OK
4.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW13	SW14	98.649	97.881	0.088	2.732	0.4	0.14	5.9	OK
1.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW01	SW02	98.444	97.735	0.088	1.363	0.5	0.18	3.1	OK
1.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW02	SW03	98.605	97.677	0.150	1.362	0.2	0.19	3.4	OK
4.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW14	SW15	99.537	97.756	0.099	9.992	1.3	0.52	21.5	OK
1.002	FEH: 100 years: +40 %: 30 mins: Summer	Pipe	SW03	SW04	98.960	97.718	0.150	7.601	0.9	0.49	8.8	Surcharged
1.005	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW06	SW07	99.363	97.661	0.225	8.601	0.4	0.43	15.4	Surcharged
4.002	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW15	SW12	99.420	97.650	0.225	10.855	0.6	0.27	23.2	OK
1.006	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW07	SW12	99.875	97.656	0.225	29.031	1.4	1.37	54.4	Surcharged
5.001	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW19	SW12	99.809	99.159	0.100	8.057	2.1	0.51	16.5	OK
6.000	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW16	SW18	100.964	100.306	0.098	1.993	0.6	0.37	4.5	OK

Project: 10170 - Pegs Close Surface Water Design	Date: 10/07/2026				
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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	99.558	0.050	1.716	1.0	0.48	3.8	OK
6.001	FEH: 100 years: +40 %: 15 mins: Winter	Pipe	SW18	SW19	100.074	99.506	0.091	4.741	1.3	1.07	9.2	Surcharged
1.008	FEH: 100 years: +40 %: 360 mins: Summer	Pipe	Cellular Storage	SW20	99.504	98.042	0.036	72.232	0.6	0.11	2.0	Surcharged
1.007	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW12	Cellular Storage	99.878	97.488	0.225	48.952	2.5	2.71	98.6	Surcharged
1.009	FEH: 100 years: +40 %: 180 mins: Winter	Pipe	SW20	SW21	99.803	96.898	0.038	35.957	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	48.148	0.5	0.14	2.0	OK
1.011	FEH: 100 years: +40 %: 240 mins: Winter	Pipe	SW22	SW23	99.603	96.665	0.036	48.032	0.6	0.14	2.0	OK
1.012	FEH: 100 years: +40 %: 360 mins: Summer	Pipe	SW23	SW24	98.736	96.436	0.032	71.836	0.7	0.1	2.0	OK
1.003	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW04	SW05	98.755	97.654	0.150	5.888	0.8	0.58	10.2	Surcharged
1.004	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	SW05	SW06	99.256	97.655	0.150	5.646	0.7	0.48	11.9	Surcharged
Pipe (24)	FEH: 100 years: +40 %: 15 mins: Summer	Pipe	8501	8503	99.090	96.890	0.012	0.000	0.0	0	0.0	OK
Pipe (25)	FEH: 100 years: +40 %: 180 mins: Summer	Pipe	8503	8506	98.430	96.078	0.033	35.669	0.9	0.18	2.0	OK
Pipe (26)	FEH: 100 years: +40 %: 120 mins: Summer	Pipe	8506	8520	98.350	95.468	0.037	23.105	0.7	0.29	2.0	OK
1.013	FEH: 100 years: +40 %: 240 mins: Summer	Pipe	SW24	8503	98.285	96.279	0.030	48.047	1.0	0.2	2.0	OK