

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
	Designed by: Chris Gray	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)	Lock
S7	Manhole	531831.981	118238.991	63.600	0.720	62.880	Circular	0.500	None
S8	Manhole	531836.431	118237.151	63.580	0.780	62.800	Circular	0.500	None
S2	Manhole	531828.128	118260.894	63.600	0.770	62.830	Circular	0.500	None
S3	Manhole	531835.876	118262.932	63.600	0.765	62.785	Circular	0.500	None
S14	Manhole	531836.365	118277.629	63.610	0.765	62.845	Circular	0.500	None
S4	Manhole	531842.326	118257.533	63.550	0.805	62.745	Circular	0.500	None
S11	Manhole	531845.178	118303.188	63.650	0.540	63.110	Circular	0.450	None
S12	Manhole	531847.906	118287.667	63.650	0.650	63.000	Circular	0.500	None
S13	Manhole	531843.653	118286.858	63.650	0.680	62.970	Circular	0.450	None
S15	Manhole	531832.242	118292.354	63.700	0.450	63.250	Circular	0.250	None
S10	Manhole	531840.034	118242.253	63.600	0.550	63.050	Circular	0.250	None
S9	Manhole	531840.466	118238.211	63.580	0.780	62.800	Circular	0.500	None
S1	Manhole	531829.048	118254.341	63.600	0.550	63.050	Circular	0.250	None
S17	Manhole	531851.499	118284.229	63.600	0.580	63.020	Circular	0.500	None
S18	Manhole	531833.533	118241.062	63.600	0.550	63.050	Circular	0.250	None
S6	Manhole	531832.225	118259.203	63.600	0.550	63.050	Circular	0.250	None
S16	Manhole	531834.625	118283.842	63.650	0.625	63.025	Circular	0.500	None

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Inlets

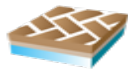
Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S7	Inlet	Catchment Area (1)	(None)	No Restriction
S8	Inlet	2.000	(None)	No Restriction
	Inlet (1)	7.000	(None)	No Restriction
S2	Inlet	1.000	(None)	No Restriction
	Inlet (1)	8.000	(None)	No Restriction
S3	Inlet	1.002	(None)	No Restriction
S14	Inlet	3.003	(None)	No Restriction
S4	Inlet	1.003	(None)	No Restriction
S11	Inlet	Catchment Area (2)	(None)	No Restriction
S12	Inlet	3.000	(None)	No Restriction
	Inlet (1)	6.001	(None)	No Restriction
S13	Inlet	3.001	(None)	No Restriction
S15	Inlet	Catchment Area (3)	(None)	No Restriction
S10	Inlet	Catchment Area	(None)	No Restriction
S9	Inlet	5.000	(None)	No Restriction
S1	Inlet	Catchment Area (5)	(None)	No Restriction
S17	Inlet	Green Roof (2)	(None)	No Restriction
S18	Inlet	Catchment Area (6)	(None)	No Restriction
S6	Inlet	Green Roof	(None)	No Restriction
S16	Inlet	4.000	(None)	No Restriction

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Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S7	Outlet	2.000	Free Discharge
S8	Outlet	2.001	Free Discharge
S2	Outlet	1.001	Free Discharge
S3	Outlet	1.003	Free Discharge
S14	Outlet	3.004	Free Discharge
S4	Outlet	1.004	Free Discharge
S11	Outlet	3.000	Free Discharge
S12	Outlet	3.001	Free Discharge
S13	Outlet	3.002	Free Discharge
S15	Outlet	4.000	Free Discharge
S10	Outlet	5.000	Free Discharge
S9	Outlet	5.001	Free Discharge
S1	Outlet	1.000	Free Discharge
S17	Outlet	6.000	Free Discharge
S18	Outlet	7.000	Free Discharge
S6	Outlet	8.000	Free Discharge
S16	Outlet	Diffuser S16	Free Discharge

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
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Porous Paving

Type : Porous Paving

Dimensions

Exceedance Level (m)	63.500
Depth (m)	0.585
Base Level (m)	62.915
Paving Layer Depth (mm)	45
Membrane Percolation (m/hr)	1.0
Porosity (%)	30
Length (m)	70.100
Long. Slope (1:X)	305.00
Width (m)	3.800
Total Volume (m³)	43.154

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (4)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

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

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Diffuser S16
Bypass Destination	(None)
Capacity Type	No Restriction

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Advanced

Base Infiltration Rate (m/hr)	0.012
Safety Factor	1.5
Conductivity (m/hr)	500.0

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Geocellular Soakaway

Type : Cellular Storage

Dimensions

Exceedance Level (m)	63.170
Depth (m)	0.450
Base Level (m)	62.715
Number of Crates Long	8
Number of Crates Wide	8
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.15
Total Volume (m³)	13.685

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	1.004
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Base Infiltration Rate (m/hr)	0.012
Side Infiltration Rate (m/hr)	0.012
Safety Factor	1.5



Geocellular Soakaway 1

Type : Cellular Storage

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Dimensions

Exceedance Level (m)	63.220
Depth (m)	0.450
Base Level (m)	62.765
Number of Crates Long	5
Number of Crates Wide	8
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.15
Total Volume (m³)	8.555

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	2.001
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	5.001
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Base Infiltration Rate (m/hr)	0.012
Side Infiltration Rate (m/hr)	0.012
Safety Factor	1.5

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Geocellular Storage 2

Type : Cellular Storage

Dimensions

Exceedance Level (m)	63.320
Depth (m)	0.550
Base Level (m)	62.765
Number of Crates Long	9
Number of Crates Wide	12
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.01
Crate Width (m)	0.495
Crate Height (m)	0.55
Total Volume (m³)	28.217

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	1.001
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	3.004
Bypass Destination	(None)
Capacity Type	No Restriction

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Outlets

Outlet	
Outgoing Connection	1.002
Outlet Type	Free Discharge

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Geocellular Storage 3

Type : Cellular Storage

Dimensions

Exceedance Level (m)	63.290
Depth (m)	0.300
Base Level (m)	62.985
Number of Crates Long	6
Number of Crates Wide	5
Number of Crates High	2
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.15
Total Volume (m³)	4.280

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	6.000
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	6.001
Outlet Type	Free Discharge

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Geocellular Storage 4

Type : Cellular Storage

Dimensions

Exceedance Level (m)	63.355
Depth (m)	0.450
Base Level (m)	62.900
Number of Crates Long	5
Number of Crates Wide	9
Number of Crates High	3
Porosity (%)	95
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.15
Total Volume (m³)	9.624

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	3.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	3.003
Outlet Type	Free Discharge

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
	Designed by: Chris Gray	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Phase	84 North Street: Guildford GU1 4AU			

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S7	63.600 62.880	Diameter / Length: 0.500					Manhole
E:531831.981 N:118238.991	0.720		{a} 2.000	Pipe	62.880	Diam/Width:150	Not Applicable
S8	63.580 62.800	Diameter / Length: 0.500	{1} 2.000	Pipe	62.800	Diam/Width:150	Manhole
E:531836.431 N:118237.151	0.780		{2} 7.000	Pipe	62.850	Diam/Width:100	
			{a} 2.001	Pipe	62.800	Diam/Width:150	Not Applicable

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84 North Street: Guildford GU1 4AU				

Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S2	63.600 62.830	Diameter / Length: 0.500	{1} 1.000	Pipe	62.880	Diam/Width:100	Manhole
E:531828.128 N:118260.894	0.770		{2} 8.000	Pipe	62.880	Diam/Width:100	
			{a} 1.001	Pipe	62.830	Diam/Width:150	Not Applicable
S3	63.600 62.785	Diameter / Length: 0.500	{1} 1.002	Pipe	62.785	Diam/Width:225	Manhole
E:531835.876 N:118262.932	0.765		{a} 1.003	Pipe	62.785	Diam/Width:225	Not Applicable
S14	63.610 62.845	Diameter / Length: 0.500	{1} 3.003	Pipe	62.845	Diam/Width:150	Manhole
E:531836.365 N:118277.629	0.765		{a} 3.004	Pipe	62.845	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S4	63.550 62.745	Diameter / Length: 0.500	{1} 1.003	Pipe	62.745	Diam/Width:225	Manhole
E:531842.326 N:118257.533	0.805		{a} 1.004	Pipe	62.745	Diam/Width:225	Not Applicable
S11	63.650 63.110	Diameter / Length: 0.450					Manhole
E:531845.178 N:118303.188	0.540		{a} 3.000	Pipe	63.110	Diam/Width:150	Not Applicable
S12	63.650 63.000	Diameter / Length: 0.500	{1} 3.000	Pipe	63.000	Diam/Width:150	Manhole
E:531847.906 N:118287.667	0.650		{2} 6.001	Pipe	63.000	Diam/Width:150	
			{a} 3.001	Pipe	63.000	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S13	63.650 62.970	Diameter / Length: 0.450	{1} 3.001	Pipe	62.970	Diam/Width:150	Manhole
E:531843.653 N:118286.858	0.680		{a} 3.002	Pipe	62.970	Diam/Width:150	Not Applicable
S15	63.700 63.250	Diameter / Length: 0.250					Manhole
E:531832.242 N:118292.354	0.450		{a} 4.000	Pipe	63.250	Diam/Width:100	Not Applicable
S10	63.600 63.050	Diameter / Length: 0.250					Manhole
E:531840.034 N:118242.253	0.550		{a} 5.000	Pipe	63.050	Diam/Width:100	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S9	63.580 62.800	Diameter / Length: 0.500	{1} 5.000	Pipe	62.800	Diam/Width:100	Manhole
E:531840.466 N:118238.211	0.780		{a} 5.001	Pipe	62.800	Diam/Width:100	Not Applicable
S1	63.600 63.050	Diameter / Length: 0.250					Manhole
E:531829.048 N:118254.341	0.550		{a} 1.000	Pipe	63.050	Diam/Width:100	Not Applicable
S17	63.600 63.020	Diameter / Length: 0.500					Manhole
E:531851.499 N:118284.229	0.580		{a} 6.000	Pipe	63.020	Diam/Width:150	Not Applicable

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Name	Cover Level (m) Invert Level (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
S18	63.600 63.050	Diameter / Length: 0.250					Manhole
E:531833.533 N:118241.062	0.550		{a} 7.000	Pipe	63.050	Diam/Width:100	Not Applicable
S6	63.600 63.050	Diameter / Length: 0.250					Manhole
E:531832.225 N:118259.203	0.550		{a} 8.000	Pipe	63.050	Diam/Width:100	Not Applicable
S16	63.650 63.025	Diameter / Length: 0.500	{1} 4.000	Pipe	63.075	Diam/Width:100	Manhole
E:531834.625 N:118283.842	0.625		{a} Diffuser S16	Pipe	63.025	Diam/Width:150	Not Applicable

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
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Report Details: Type: Inflow Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	S10		Time of Concentration	0.006	100	10	110	0.007
Catchment Area (1)	S7		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (2)	S11		Time of Concentration	0.021	100	10	110	0.024
Catchment Area (3)	S15		Time of Concentration	0.004	100	10	110	0.005
Catchment Area (4)	Porous Paving		Time of Concentration	0.031	100	0	100	0.031
Catchment Area (5)	S1		Time of Concentration	0.003	100	10	110	0.003
Catchment Area (6)	S18		Time of Concentration	0.001	100	10	110	0.001
Green Roof	S6		Green Roof	0.002		0		0.002
Green Roof (1)	Porous Paving		Green Roof	0.006		0		0.006
Green Roof (2)	S17		Green Roof	0.003		0		0.003
TOTAL		0.0		0.080				0.084

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Report Details: Type: Network Design Criteria Storm Phase: Phase	84 North Street: Guildford GU1 4AU			

Flow Options

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

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
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	☐

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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

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Report Title: Rainfall Analysis Criteria	84 North Street: Guildford GU1 4AU			

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

Rainfall

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FEH (2)

Type: FEH

Site Location	GB 532100 119050 TQ 32100 19050	
Rainfall Version		2022
Summer	☒	
Winter	☒	

Return Period

Return Period (years)	Increase Rainfall (%)
2.0	0.000
30.0	40.000
100.0	45.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	960
360	1440
480	1920
600	2400
720	2880
960	3840
1440	8640

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FEH (2): 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
S7	FEH (2): 2 years: +0 %: 15 mins: Summer	63.600	62.880	62.893	0.013	0.4	0.003	0.000	0.4	0.170	OK
S8	FEH (2): 2 years: +0 %: 480 mins: Winter	63.580	62.800	62.871	0.071	0.1	0.014	0.000	0.1	1.019	OK
S2	FEH (2): 2 years: +0 %: 1440 mins: Winter	63.600	62.830	62.860	0.030	0.1	0.006	0.000	0.1	2.538	OK
S3	FEH (2): 2 years: +0 %: 1440 mins: Winter	63.600	62.785	62.860	0.075	0.4	0.015	0.000	0.4	12.664	OK
S14	FEH (2): 2 years: +0 %: 60 mins: Summer	63.610	62.845	62.882	0.037	1.9	0.007	0.000	1.9	3.013	OK
S4	FEH (2): 2 years: +0 %: 1440 mins: Winter	63.550	62.745	62.860	0.115	0.4	0.023	0.000	0.4	12.662	OK
S11	FEH (2): 2 years: +0 %: 15 mins: Summer	63.650	63.110	63.172	0.062	5.0	0.010	0.000	4.9	2.178	OK
S12	FEH (2): 2 years: +0 %: 15 mins: Summer	63.650	63.000	63.052	0.052	4.9	0.010	0.000	3.5	2.317	OK
S13	FEH (2): 2 years: +0 %: 15 mins: Summer	63.650	62.970	63.012	0.042	3.5	0.007	0.000	3.4	1.830	OK
S15	FEH (2): 2 years: +0 %: 360 mins: Summer	63.700	63.250	63.289	0.039	0.3	0.002	0.000	0.3	1.548	OK
S10	FEH (2): 2 years: +0 %: 15 mins: Summer	63.600	63.050	63.071	0.021	1.5	0.001	0.000	1.5	0.659	OK
S9	FEH (2): 2 years: +0 %: 480 mins: Winter	63.580	62.800	62.871	0.071	0.2	0.014	0.000	0.2	2.423	OK
S1	FEH (2): 2 years: +0 %: 15 mins: Summer	63.600	63.050	63.067	0.017	0.6	0.001	0.000	0.6	0.269	OK
S17	FEH (2): 2 years: +0 %: 120 mins: Summer	63.600	63.020	63.039	0.019	0.2	0.004	0.000	0.2	0.641	OK
S18	FEH (2): 2 years: +0 %: 15 mins: Summer	63.600	63.050	63.060	0.010	0.2	0.000	0.000	0.2	0.101	OK
S6	FEH (2): 2 years: +0 %: 120 mins: Summer	63.600	63.050	63.058	0.008	0.1	0.000	0.000	0.1	0.479	OK
S16	FEH (2): 2 years: +0 %: 360 mins: Summer	63.650	63.025	63.288	0.263	0.3	0.052	0.000	0.2	1.408	Surcharged

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
	Designed by: Chris Gray	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



FEH (2): 30 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
S7	FEH (2): 30 years: +40 %: 720 mins: Winter	63.600	62.880	63.086	0.206	0.1	0.040	0.000	0.1	1.698	Surcharged
S8	FEH (2): 30 years: +40 %: 720 mins: Winter	63.580	62.800	63.086	0.286	0.1	0.056	0.000	0.1	2.705	Surcharged
S2	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.600	62.830	63.037	0.207	0.2	0.041	0.000	0.1	5.556	Surcharged
S3	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.600	62.785	63.037	0.252	0.5	0.049	0.000	0.5	32.039	Surcharged
S14	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.610	62.845	63.037	0.192	0.8	0.038	0.000	0.8	27.789	Surcharged
S4	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.550	62.745	63.037	0.292	0.5	0.057	0.000	0.5	32.038	Surcharged
S11	FEH (2): 30 years: +40 %: 15 mins: Summer	63.650	63.110	63.239	0.129	15.3	0.020	0.000	14.9	6.609	OK
S12	FEH (2): 30 years: +40 %: 30 mins: Summer	63.650	63.000	63.093	0.093	10.1	0.018	0.000	9.5	10.606	OK
S13	FEH (2): 30 years: +40 %: 30 mins: Summer	63.650	62.970	63.047	0.077	9.5	0.012	0.000	9.4	9.217	OK
S15	FEH (2): 30 years: +40 %: 240 mins: Summer	63.700	63.250	63.538	0.288	0.9	0.014	0.000	0.7	3.456	Flood Risk
S10	FEH (2): 30 years: +40 %: 15 mins: Summer	63.600	63.050	63.088	0.038	4.6	0.002	0.000	4.5	1.990	OK
S9	FEH (2): 30 years: +40 %: 720 mins: Winter	63.580	62.800	63.086	0.286	0.4	0.056	0.000	0.4	6.491	Surcharged
S1	FEH (2): 30 years: +40 %: 15 mins: Summer	63.600	63.050	63.081	0.031	1.9	0.001	0.000	1.8	0.806	OK
S17	FEH (2): 30 years: +40 %: 30 mins: Summer	63.600	63.020	63.093	0.073	0.6	0.014	0.000	0.7	0.998	OK
S18	FEH (2): 30 years: +40 %: 720 mins: Winter	63.600	63.050	63.086	0.036	0.1	0.002	0.000	0.1	1.008	OK
S6	FEH (2): 30 years: +40 %: 60 mins: Summer	63.600	63.050	63.063	0.013	0.4	0.001	0.000	0.4	1.067	OK
S16	FEH (2): 30 years: +40 %: 240 mins: Summer	63.650	63.025	63.538	0.513	0.7	0.101	0.000	0.6	3.331	Flood Risk

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
	Designed by: Chris Gray	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



FEH (2): 100 years: Increase Rainfall (%): +45: 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
S7	FEH (2): 100 years: +45 %: 960 mins: Winter	63.600	62.880	63.198	0.318	0.1	0.062	0.000	0.1	2.364	Surcharged
S8	FEH (2): 100 years: +45 %: 960 mins: Winter	63.580	62.800	63.198	0.398	0.1	0.078	0.000	0.1	3.761	Surcharged
S2	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.600	62.830	63.120	0.290	0.3	0.057	0.000	0.3	7.380	Surcharged
S3	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.600	62.785	63.120	0.335	0.8	0.066	0.000	0.7	43.168	Surcharged
S14	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.610	62.845	63.120	0.275	1.6	0.054	0.000	1.6	37.151	Surcharged
S4	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.550	62.745	63.120	0.375	0.7	0.073	0.000	0.7	43.167	Surcharged
S11	FEH (2): 100 years: +45 %: 15 mins: Summer	63.650	63.110	63.318	0.208	19.8	0.033	0.000	17.8	8.596	Surcharged
S12	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.650	63.000	63.120	0.120	1.7	0.023	0.000	1.7	37.774	OK
S13	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.650	62.970	63.120	0.150	1.7	0.024	0.000	1.7	37.694	OK
S15	FEH (2): 100 years: +45 %: 240 mins: Summer	63.700	63.250	63.647	0.397	1.1	0.019	0.000	1.0	4.434	Flood Risk
S10	FEH (2): 100 years: +45 %: 960 mins: Winter	63.600	63.050	63.198	0.148	0.4	0.007	0.000	0.4	9.102	Surcharged
S9	FEH (2): 100 years: +45 %: 960 mins: Winter	63.580	62.800	63.198	0.398	0.4	0.078	0.000	0.4	9.101	Surcharged
S1	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.600	63.050	63.120	0.070	0.2	0.003	0.000	0.2	4.170	OK
S17	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.600	63.020	63.120	0.100	0.2	0.020	0.000	0.2	4.371	OK
S18	FEH (2): 100 years: +45 %: 960 mins: Winter	63.600	63.050	63.198	0.148	0.1	0.007	0.000	0.1	1.398	Surcharged
S6	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.600	63.050	63.120	0.070	0.1	0.003	0.000	0.1	3.210	OK
S16	FEH (2): 100 years: +45 %: 240 mins: Summer	63.650	63.025	63.647	0.622	1.0	0.122	0.000	0.8	4.320	Flood Risk

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
	Designed by: Chris Gray	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



FEH (2): 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. 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)	Half Drain Down Time (mins)	Percentage Available (%)
Porous Paving	FEH (2): 2 years: +0 %: 240 mins: Summer	63.287	62.957	0.142	0.042	2.8	4.999	0.000	11.494	0.0	0.000		88.415
Geocellular Soakaway	FEH (2): 2 years: +0 %: 1440 mins: Winter	62.860	62.860	0.145	0.145	0.4	4.419	0.000	12.662	0.0	0.000		67.706
Geocellular Soakaway 1	FEH (2): 2 years: +0 %: 480 mins: Winter	62.871	62.871	0.106	0.106	0.3	2.023	0.000	3.442	0.0	0.000		76.351
Geocellular Storage 2	FEH (2): 2 years: +0 %: 1440 mins: Winter	62.860	62.860	0.095	0.095	0.4	4.895	0.000	0.000	0.4	12.664		82.653
Geocellular Storage 3	FEH (2): 2 years: +0 %: 120 mins: Summer	63.038	63.038	0.053	0.053	0.6	0.753	0.000	0.000	0.4	0.797		82.411
Geocellular Storage 4	FEH (2): 2 years: +0 %: 60 mins: Summer	62.955	62.955	0.055	0.055	2.2	1.174	0.000	0.000	1.9	3.020		87.804

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU			

Status
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Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
	Designed by: Chris Gray	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



FEH (2): 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Avg. 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)	Half Drain Down Time (mins)	Percentage Available (%)
Porous Paving	FEH (2): 30 years: +40 %: 240 mins: Winter	63.537	63.120	0.392	0.205	4.8	20.551	0.000	29.611	0.0	0.021		52.378
Geocellular Soakaway	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.037	63.037	0.322	0.322	0.5	9.786	0.000	32.038	0.0	0.000	2150	28.491
Geocellular Soakaway 1	FEH (2): 30 years: +40 %: 720 mins: Winter	63.086	63.086	0.321	0.321	0.5	6.090	0.000	8.788	0.0	0.000	680	28.810
Geocellular Storage 2	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.037	63.037	0.272	0.272	1.0	13.954	0.000	0.000	0.5	32.039		50.549
Geocellular Storage 3	FEH (2): 30 years: +40 %: 30 mins: Summer	63.093	63.093	0.108	0.108	3.2	1.538	0.000	0.000	2.5	1.861		64.060
Geocellular Storage 4	FEH (2): 30 years: +40 %: 1440 mins: Winter	63.037	63.037	0.137	0.137	0.8	2.934	0.000	0.000	0.8	27.789		69.513

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Status
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Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026		
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase	84 North Street: Guildford GU1 4AU		



FEH (2): 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Avg. 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)	Half Drain Down Time (mins)	Percentage Available (%)
Porous Paving	FEH (2): 100 years: +45 %: 360 mins: Winter	63.635	63.235	0.490	0.320	4.7	28.859	0.000	42.103	0.0	0.013	225	33.124
Geocellular Soakaway	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.120	63.120	0.405	0.405	0.7	12.306	0.000	42.368	0.0	0.000	4085	10.077
Geocellular Soakaway 1	FEH (2): 100 years: +45 %: 960 mins: Winter	63.198	63.198	0.433	0.433	0.5	8.234	0.000	12.281	0.0	0.000	1470	3.751
Geocellular Storage 2	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.120	63.120	0.355	0.355	1.9	18.207	0.000	0.000	0.8	43.170	1885	35.474
Geocellular Storage 3	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.120	63.120	0.135	0.135	0.2	1.921	0.000	0.000	0.2	4.087		55.116
Geocellular Storage 4	FEH (2): 100 years: +45 %: 1440 mins: Summer	63.120	63.120	0.220	0.220	1.7	4.710	0.000	0.000	1.6	37.151		51.056

Land at Hilgay Cottage, Burgess Hill:	Date: 29/06/2026			
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Status
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