

The Coppice: Burbage	Date: 05/11/2024		
	Designed by: VSP	Checked by: DE	Approved By: DE
Report Details: Type: Stormwater Controls Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



Existing Pond

Type : Pond

Dimensions

Exceedence Level (m)	109.700
Depth (m)	0.580
Base Level (m)	109.120
Freeboard (mm)	0
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	33.773
Total Volume (m³)	62.084

Depth (m)	Area (m²)	Volume (m³)
0.000	10.579833	0.000
0.130	121.763049	7.290

Inlets

Inlet

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

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (28)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Perimeter	Circular
Length (m)	20.838
Friction Scheme	Manning's n
n	0.1

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Infiltration Basin

Type : Pond

Dimensions

Exceedence Level (m)	109.800
Depth (m)	1.000
Base Level (m)	108.800
Freeboard (mm)	100
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:x)	3.51
Total Volume (m³)	36.031

Depth (m)	Area (m²)	Volume (m³)
0.000	11.004628	0.000
1.000	91.001982	44.551

Inlets

Inlet

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

Outlets

Outlet

Outgoing Connection	Pipe (28)
Outlet Type	Free Discharge

Advanced

Side Infiltration Rate (m/hr)	0.324
Safety Factor	2.0
Perimeter	Circular
Length (m)	12.922
Friction Scheme	Manning's n
n	0.1

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Soakaway - Plot 8

Type : Soakaway

Dimensions

Exceedence Level (m)	114.300
Depth (m)	1.200
Base Level (m)	113.100
Freeboard (mm)	0
Soakaway Shape	Rectangular
Diameter / Width (m)	3.000
Length (m)	1.000
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.324
Safety Factor	2.0
Total Volume (m³)	1.080

Inlets

Inlet

Incoming Item(s)	Pipe (35)
Bypass Destination	(None)
Capacity Type	No Restriction



Soakaway - Plot 7

Type : Soakaway

Dimensions

Exceedence Level (m)	113.000
Depth (m)	1.200
Base Level (m)	111.800
Freeboard (mm)	0
Soakaway Shape	Rectangular
Diameter / Width (m)	3.000
Length (m)	2.000
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.324
Safety Factor	2.0
Total Volume (m³)	2.160

Inlets

Inlet

Incoming Item(s)	Pipe (36)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Incoming Item(s)	Catchment Area (30)
Bypass Destination	(None)
Capacity Type	No Restriction

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Soakaway - Plot 6

Type : Soakaway

Dimensions

Exceedence Level (m)	112.300
Depth (m)	1.200
Base Level (m)	111.100
Freeboard (mm)	0
Soakaway Shape	Rectangular
Diameter / Width (m)	3.000
Length (m)	3.000
Porosity (%)	30
Ineffective Storage Depth (m)	0.000
Number of Soakaways	1
Side Infiltration Rate (m/hr)	0.324
Safety Factor	2.0
Total Volume (m³)	3.240

Inlets

Inlet

Incoming Item(s)	Pipe (37) Catchment Area (31)
Bypass Destination	(None)
Capacity Type	No Restriction

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Porous Paving - Plot 1

Type : Porous Paving

Dimensions	
Exceedence Level (m)	113.200
Depth (m)	0.300
Base Level (m)	112.900
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	0.324
Porosity (%)	30
Length (m)	24.155
Long. Slope (1:x)	33.00
Width (m)	5.970
Total Volume (m³)	6.489

Inlets	
Inlet (1)	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (21)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (30)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	250.0

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Porous Paving - Plot 2

Type : Porous Paving

Dimensions	
Exceedence Level (m)	112.250
Depth (m)	0.300
Base Level (m)	111.950
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	0.324
Porosity (%)	30
Length (m)	20.753
Long. Slope (1:x)	60.00
Width (m)	4.283
Total Volume (m³)	3.999

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (20)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet (1)	
Outgoing Connection	Pipe (33)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	250.0

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Porous Paving - Plot 3

Type : Porous Paving

Dimensions	
Exceedence Level (m)	111.600
Depth (m)	0.300
Base Level (m)	111.300
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	0.324
Porosity (%)	30
Length (m)	19.940
Long. Slope (1:x)	26.00
Width (m)	5.641
Total Volume (m³)	5.061

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (13)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (32)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	250.0

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Porous Paving - Plot 4

Type : Porous Paving

Dimensions	
Exceedence Level (m)	110.650
Depth (m)	0.300
Base Level (m)	110.350
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	0.324
Porosity (%)	30
Length (m)	18.839
Long. Slope (1:x)	23.00
Width (m)	7.003
Total Volume (m³)	5.936

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (12)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (19)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	250.0

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Porous Paving - Access Rd -Plots 3 and 4

Type : Porous Paving

Dimensions	
Exceedence Level (m)	110.790
Depth (m)	0.300
Base Level (m)	110.490
Paving Layer Depth (mm)	150
Membrane Percolation (m/hr)	0.324
Porosity (%)	30
Length (m)	32.687
Long. Slope (1:x)	26.00
Width (m)	4.691
Total Volume (m³)	6.900

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	Catchment Area (14)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Pipe (34)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	250.0

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Porous Paving - Plots 5 - 8

Type : Porous Paving

Dimensions

Exceedence Level (m)	112.350
Depth (m)	0.500
Base Level (m)	111.850
Paving Layer Depth (mm)	200
Membrane Percolation (m/hr)	500.0
Porosity (%)	30
Length (m)	64.673
Long. Slope (1:x)	30.00
Width (m)	11.951
Total Volume (m³)	69.563

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (29)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Advanced

Base Infiltration Rate (m/hr)	0.324
Side Infiltration Rate (m/hr)	0.324
Safety Factor	2.0
Conductivity (m/hr)	0.3

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Cellular Storage

Type : Cellular Storage

Dimensions

Exceedence Level (m)	110.790
Depth (m)	0.400
Base Level (m)	109.341
Number of Crates Long	29
Number of Crates Wide	12
Number of Crates High	1
Porosity (%)	100
Crate Length (m)	1
Crate Width (m)	0.5
Crate Height (m)	0.4
Total Volume (m³)	70.649

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (26)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Pipe (27)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Pipe (29)
Outlet Type	Free Discharge

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Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Catchment Area	S1		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (1)	S2		Time of Concentration	0.027	100	0	100	0.027
Catchment Area (2)	RE1		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (3)	S6		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (4)	RE2		Time of Concentration	0.003	100	0	100	0.003
Catchment Area (5)	S3		Time of Concentration	0.024	100	0	100	0.024
Catchment Area (6)	S7		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (7)	S10		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (8)	S10		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (9)	S9		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (10)	S15		Time of Concentration	0.016	100	0	100	0.016
Catchment Area (11)	S4		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (12)	Porous Paving - Plot 4		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (13)	Porous Paving - Plot 3		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (14)	Porous Paving - Access Rd - Plots 3 and 4		Time of Concentration	0.015	100	0	100	0.015
Catchment Area (15)	Simple Junction		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (16)	Simple Junction (1)		Time of Concentration	0.013	100	0	100	0.013
Catchment Area (17)	Simple Junction (2)		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (18)	Simple Junction (3)		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (19)	Simple Junction (3)		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (20)	Porous Paving - Plot 2		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (21)	Porous Paving - Plot 1		Time of Concentration	0.014	100	0	100	0.014
Catchment Area (22)	S16		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (23)	S16		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (24)	S22		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (25)	S23		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (26)	S16		Time of Concentration	0.007	100	0	100	0.007
Catchment Area (27)	S17		Time of Concentration	0.008	100	0	100	0.008
Catchment Area (28)	S24		Time of Concentration	0.009	100	0	100	0.009

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Catchment Area (29)	Porous Paving - Plots 5 - 8		Time of Concentration	0.077	100	0	100	0.077
Catchment Area (30)	Soakaway - Plot 7		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (31)	Soakaway - Plot 6		Time of Concentration	0.004	100	0	100	0.004
Catchment Area (32)	S20		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (33)	S18		Time of Concentration	0.005	100	0	100	0.005
Catchment Area (34)	S19		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (35)	S20		Time of Concentration	0.004	100	0	100	0.004
TOTAL		0.0		0.395				0.395

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Report Details: Type: Network Design Criteria Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



Flow Options

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

Pipe Options

Lock Slope Options	None
Design 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	☐

Pipe Size Library

Default

Add. Increment (mm)	75
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Diameter (mm)	Min. Slope (1:x)	Max. Slope (1:x)
100	0.00	0.00
150	0.00	0.00

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Manhole Options

Apply Offset	☐
Synchronise Manhole Invert Levels	☒

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

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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	☐

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FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow (m³)
Catchment Area	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.8	0.845
Catchment Area (1)	FSR: 1 years: +0 %: 15 mins: Winter	0.03	3.8	1.765
Catchment Area (2)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.6	0.719
Catchment Area (3)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.3	0.602
Catchment Area (4)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.4	0.195
Catchment Area (5)	FSR: 1 years: +0 %: 15 mins: Winter	0.02	3.3	1.544
Catchment Area (6)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.8	0.357
Catchment Area (7)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.243
Catchment Area (8)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.6	0.294
Catchment Area (9)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.7	0.330
Catchment Area (10)	FSR: 1 years: +0 %: 15 mins: Winter	0.02	2.2	1.010
Catchment Area (11)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.1	0.513
Catchment Area (12)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.9	0.857
Catchment Area (13)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.6	0.734
Catchment Area (14)	FSR: 1 years: +0 %: 15 mins: Winter	0.02	2.2	0.995
Catchment Area (15)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.3	0.614
Catchment Area (16)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.8	0.821
Catchment Area (17)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.3	0.596
Catchment Area (18)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.1	0.510
Catchment Area (19)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.7	0.312
Catchment Area (20)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.2	0.578
Catchment Area (21)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	2.0	0.938
Catchment Area (22)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.237
Catchment Area (23)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.1	0.513
Catchment Area (24)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.1	0.510
Catchment Area (25)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.0	0.474
Catchment Area (26)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	0.9	0.441
Catchment Area (27)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.1	0.519
Catchment Area (28)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.3	0.584
Catchment Area (29)	FSR: 1 years: +0 %: 15 mins: Winter	0.08	10.9	5.023

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Catchment Area (30)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.234
Catchment Area (31)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.237
Catchment Area (32)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.7	0.306
Catchment Area (33)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.6	0.294
Catchment Area (34)	FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.5	0.716
Catchment Area (35)	FSR: 1 years: +0 %: 15 mins: Winter	0.00	0.5	0.237

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FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow (m³)
Catchment Area	FSR: 30 years: +0 %: 15 mins: Winter	0.01	4.5	2.075
Catchment Area (1)	FSR: 30 years: +0 %: 15 mins: Winter	0.03	9.4	4.333
Catchment Area (2)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.8	1.766
Catchment Area (3)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.2	1.487
Catchment Area (4)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.0	0.480
Catchment Area (5)	FSR: 30 years: +0 %: 15 mins: Winter	0.02	8.2	3.799
Catchment Area (6)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.9	0.876
Catchment Area (7)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.3	0.600
Catchment Area (8)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.6	0.732
Catchment Area (9)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	1.8	0.819
Catchment Area (10)	FSR: 30 years: +0 %: 15 mins: Winter	0.02	5.4	2.480
Catchment Area (11)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.7	1.262
Catchment Area (12)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	4.6	2.105
Catchment Area (13)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.9	1.796
Catchment Area (14)	FSR: 30 years: +0 %: 15 mins: Winter	0.02	5.3	2.447
Catchment Area (15)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.2	1.502
Catchment Area (16)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	4.4	2.018
Catchment Area (17)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.2	1.460
Catchment Area (18)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.7	1.250
Catchment Area (19)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.7	0.768
Catchment Area (20)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.1	1.418
Catchment Area (21)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	5.0	2.300
Catchment Area (22)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.2	0.579
Catchment Area (23)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.7	1.253
Catchment Area (24)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.7	1.250
Catchment Area (25)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.5	1.160
Catchment Area (26)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.3	1.076
Catchment Area (27)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	2.8	1.280
Catchment Area (28)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.1	1.439
Catchment Area (29)	FSR: 30 years: +0 %: 15 mins: Winter	0.08	26.7	12.336

The Coppice: Burbage	Date: 05/11/2024		
	Designed by: VSP	Checked by: DE	Approved By: DE
Report Details: Type: Inflows Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



Catchment Area (30)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.2	0.567
Catchment Area (31)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.2	0.570
Catchment Area (32)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.6	0.750
Catchment Area (33)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.6	0.720
Catchment Area (34)	FSR: 30 years: +0 %: 15 mins: Winter	0.01	3.8	1.751
Catchment Area (35)	FSR: 30 years: +0 %: 15 mins: Winter	0.00	1.2	0.570

The Coppice: Burbage	Date: 05/11/2024		
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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow (m³)
Catchment Area	FSR: 100 years: +40 %: 15 mins: Winter	0.01	8.2	3.776
Catchment Area (1)	FSR: 100 years: +40 %: 15 mins: Winter	0.03	17.1	7.872
Catchment Area (2)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	7.0	3.209
Catchment Area (3)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.9	2.705
Catchment Area (4)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	1.9	0.876
Catchment Area (5)	FSR: 100 years: +40 %: 15 mins: Winter	0.02	15.0	6.904
Catchment Area (6)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	3.4	1.589
Catchment Area (7)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.4	1.092
Catchment Area (8)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.9	1.323
Catchment Area (9)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	3.2	1.488
Catchment Area (10)	FSR: 100 years: +40 %: 15 mins: Winter	0.02	9.7	4.502
Catchment Area (11)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.0	2.294
Catchment Area (12)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	8.3	3.824
Catchment Area (13)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	7.1	3.260
Catchment Area (14)	FSR: 100 years: +40 %: 15 mins: Winter	0.02	9.6	4.445
Catchment Area (15)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.9	2.726
Catchment Area (16)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	7.9	3.665
Catchment Area (17)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.8	2.660
Catchment Area (18)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	4.9	2.273
Catchment Area (19)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	3.0	1.389
Catchment Area (20)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.6	2.576
Catchment Area (21)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	9.1	4.181
Catchment Area (22)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.3	1.044
Catchment Area (23)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	4.9	2.276
Catchment Area (24)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	4.9	2.267
Catchment Area (25)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	4.6	2.105
Catchment Area (26)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	4.2	1.952
Catchment Area (27)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.0	2.327
Catchment Area (28)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	5.7	2.618
Catchment Area (29)	FSR: 100 years: +40 %: 15 mins: Winter	0.08	48.6	22.415

The Coppice: Burbage	Date: 05/11/2024		
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Report Details: Type: Inflows Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



Catchment Area (30)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.2	1.032
Catchment Area (31)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.2	1.041
Catchment Area (32)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.9	1.359
Catchment Area (33)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.8	1.308
Catchment Area (34)	FSR: 100 years: +40 %: 15 mins: Winter	0.01	6.9	3.188
Catchment Area (35)	FSR: 100 years: +40 %: 15 mins: Winter	0.00	2.3	1.044

The Coppice: Burbage	Date: 05/11/2024			
	Designed by: VSP	Checked by: DE	Approved By: DE	
Report Details: Type: Junctions Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA			



FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

The Coppice: Burbage	Date: 05/11/2024		
	Designed by: VSP	Checked by: DE	Approved By: DE
Report Details: Type: Junctions Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



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
S1	FSR: 1 years: +0 %: 15 mins: Winter	113.4 13	112.3 63	112.39 8	0.035	1.8	0.022	0.000	1.7	0.843	OK
S2	FSR: 1 years: +0 %: 15 mins: Winter	113.3 18	112.1 62	112.21 8	0.056	5.5	0.036	0.000	5.1	2.603	OK
S6	FSR: 1 years: +0 %: 15 mins: Winter	113.0 83	112.3 22	112.35 5	0.033	2.0	0.005	0.000	1.9	1.048	OK
S3	FSR: 1 years: +0 %: 15 mins: Winter	112.8 98	111.84 8	111.89 7	0.049	8.5	0.031	0.000	8.2	4.144	OK
S4	FSR: 1 years: +0 %: 15 mins: Winter	112.3 97	110.9 57	111.02 9	0.072	17.0	0.045	0.000	16.4	8.768	OK
S15	FSR: 1 years: +0 %: 15 mins: Winter	112.4 64	111.41 4	111.43 8	0.024	2.2	0.015	0.000	2.2	1.009	OK
S9	FSR: 1 years: +0 %: 15 mins: Winter	112.0 23	111.19 8	111.23 9	0.041	3.2	0.007	0.000	3.1	1.576	OK
S11	FSR: 1 years: +0 %: 15 mins: Winter	112.1 60	111.46 0	111.49 8	0.038	2.5	0.006	0.000	2.5	1.249	OK
S10	FSR: 1 years: +0 %: 15 mins: Winter	112.2 55	111.55 5	111.60 3	0.048	2.7	0.008	0.000	2.5	1.251	OK
S8	FSR: 1 years: +0 %: 15 mins: Winter	112.4 33	111.01 0	111.06 9	0.059	5.9	0.017	0.000	5.6	3.120	OK
S13	FSR: 1 years: +0 %: 15 mins: Winter	111.22 4	109.8 90	109.93 5	0.045	2.8	0.007	0.000	2.6	1.406	OK
S12	FSR: 1 years: +0 %: 15 mins: Winter	111.26 6	110.3 29	110.36 6	0.037	3.0	0.006	0.000	2.8	1.411	OK
Simple Junction (2)	FSR: 1 years: +0 %: 15 mins: Winter		0.000	110.53 0	0.031	1.3			1.2	0.594	OK
Simple Junction (1)	FSR: 1 years: +0 %: 15 mins: Winter		0.000	111.16 2	0.027	1.8			1.7	0.820	OK
Simple Junction (3)	FSR: 1 years: +0 %: 1440 mins: Winter		0.000	4.693	5.993	0.2			0.0	0.000	OK
S14	FSR: 1 years: +0 %: 15 mins: Winter	110.7 24	109.8 36	109.85 7	0.021	2.8	0.003	0.000	2.8	1.627	OK
FCC	FSR: 1 years: +0 %: 360 mins: Winter	111.23 1	109.3 32	109.45 4	0.122	1.3	0.077	0.000	1.3	29.338	OK
S5	FSR: 1 years: +0 %: 15 mins: Winter	111.71 6	110.5 91	110.62 4	0.033	16.4	0.021	0.000	16.4	8.764	OK
S16	FSR: 1 years: +0 %: 15 mins: Winter	114.0 39	113.3 39	113.36 9	0.030	2.6	0.005	0.000	2.5	1.189	OK
S17	FSR: 1 years: +0 %: 15 mins: Winter	112.7 44	112.0 44	112.08 2	0.038	3.6	0.006	0.000	3.5	1.705	OK
S18	FSR: 1 years: +0 %: 15 mins: Winter	112.0 84	111.38 4	111.44 0	0.056	4.2	0.009	0.000	3.9	1.994	OK
S19	FSR: 1 years: +0 %: 15 mins: Winter	111.95 9	111.25 0	111.29 3	0.043	5.5	0.007	0.000	5.3	2.708	OK
S21	FSR: 1 years: +0 %: 15 mins: Winter	111.37 1	110.3 98	110.42 3	0.025	6.4	0.004	0.000	6.4	3.247	OK
S20	FSR: 1 years: +0 %: 15 mins: Winter	111.32 5	110.6 25	110.65 3	0.028	1.2	0.005	0.000	1.1	0.540	OK
S22	FSR: 1 years: +0 %: 60 mins: Winter	114.2 59	113.5 59	113.61 2	0.053	0.5	0.009	0.000	0.6	0.832	OK
S23	FSR: 1 years: +0 %: 15 mins: Winter	113.4 97	112.7 97	112.82 5	0.028	1.0	0.004	0.000	1.0	0.472	OK
S24	FSR: 1 years: +0 %: 15 mins: Winter	112.6 85	111.98 5	112.01 7	0.032	1.3	0.005	0.000	1.2	0.582	OK
S7	FSR: 1 years: +0 %: 15 mins: Winter	112.3 88	111.73 8	111.76 2	0.024	2.7	0.004	0.000	2.6	1.400	OK
RE1	FSR: 1 years: +0 %: 15 mins: Winter		0.000	112.46 1	0.025	1.6			1.5	0.718	OK
RE2	FSR: 1 years: +0 %: 15 mins: Winter		0.000	112.44 0	0.018	0.4			0.4	0.193	OK
Simple Junction	FSR: 1 years: +0 %: 1440 mins: Winter		0.000	3.447	4.747	0.2			0.0	0.000	OK

The Coppice: Burbage	Date: 05/11/2024			
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Report Details: Type: Junctions Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA			



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

The Coppice: Burbage	Date: 05/11/2024		
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Report Details: Type: Junctions Summary Storm Phase: Phase (1)		PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA	



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
S1	FSR: 30 years: +0 %: 15 mins: Winter	113.4 13	112.3 63	112.41 9	0.056	4.5	0.035	0.000	4.3	2.072	OK
S2	FSR: 30 years: +0 %: 15 mins: Winter	113.3 18	112.1 62	112.25 9	0.097	13.7	0.062	0.000	12.8	6.398	OK
S6	FSR: 30 years: +0 %: 15 mins: Winter	113.0 83	112.3 22	112.37 9	0.057	5.2	0.009	0.000	5.0	2.639	OK
S3	FSR: 30 years: +0 %: 15 mins: Winter	112.8 98	111.84 8	111.92 9	0.081	21.0	0.052	0.000	20.4	10.194	OK
S4	FSR: 30 years: +0 %: 15 mins: Winter	112.3 97	110.9 57	111.07 8	0.121	43.0	0.077	0.000	42.0	21.709	OK
S15	FSR: 30 years: +0 %: 15 mins: Winter	112.4 64	111.41 4	111.45 1	0.037	5.4	0.024	0.000	5.3	2.479	OK
S9	FSR: 30 years: +0 %: 15 mins: Winter	112.0 23	111.19 8	111.26 5	0.067	7.9	0.011	0.000	7.7	3.905	OK
S11	FSR: 30 years: +0 %: 15 mins: Winter	112.1 60	111.46 0	111.52 6	0.066	6.2	0.011	0.000	6.1	3.089	OK
S10	FSR: 30 years: +0 %: 15 mins: Winter	112.2 55	111.55 5	111.64 5	0.090	6.6	0.014	0.000	6.2	3.092	OK
S8	FSR: 30 years: +0 %: 15 mins: Winter	112.4 33	111.01 0	111.11 6	0.106	15.1	0.030	0.000	14.5	7.800	OK
S13	FSR: 30 years: +0 %: 15 mins: Winter	111.22 4	109.8 90	109.96 3	0.073	7.0	0.012	0.000	6.6	3.465	OK
S12	FSR: 30 years: +0 %: 15 mins: Winter	111.26 6	110.3 29	110.39 4	0.065	7.4	0.010	0.000	7.0	3.470	OK
Simple Junction (2)	FSR: 30 years: +0 %: 15 mins: Winter		0.000	110.55 0	0.051	3.2			3.1	1.458	OK
Simple Junction (1)	FSR: 30 years: +0 %: 15 mins: Winter		0.000	111.17 8	0.043	4.4			4.3	2.016	OK
Simple Junction (3)	FSR: 30 years: +0 %: 1440 mins: Winter		0.000	10.775	12.075	0.4			0.0	0.000	OK
S14	FSR: 30 years: +0 %: 15 mins: Winter	110.7 24	109.8 36	109.87 0	0.034	7.5	0.005	0.000	7.4	4.056	OK
FCC	FSR: 30 years: +0 %: 360 mins: Winter	111.23 1	109.3 32	109.65 3	0.321	1.9	0.204	0.000	1.9	45.660	Surcharged
S5	FSR: 30 years: +0 %: 15 mins: Winter	111.71 6	110.5 91	110.64 6	0.055	42.0	0.035	0.000	41.8	21.705	OK
S16	FSR: 30 years: +0 %: 15 mins: Winter	114.0 39	113.3 39	113.38 8	0.049	6.3	0.008	0.000	6.2	2.907	OK
S17	FSR: 30 years: +0 %: 15 mins: Winter	112.7 44	112.0 44	112.11 0	0.066	9.0	0.010	0.000	8.7	4.184	OK
S18	FSR: 30 years: +0 %: 15 mins: Winter	112.0 84	111.38 4	111.48 0	0.096	10.2	0.015	0.000	9.9	4.899	OK
S19	FSR: 30 years: +0 %: 15 mins: Winter	111.95 9	111.25 0	111.32 0	0.070	13.7	0.011	0.000	13.3	6.648	OK
S21	FSR: 30 years: +0 %: 15 mins: Winter	111.37 1	110.3 98	110.43 7	0.039	16.1	0.006	0.000	16.0	7.957	OK
S20	FSR: 30 years: +0 %: 15 mins: Winter	111.32 5	110.6 25	110.67 1	0.046	2.9	0.007	0.000	2.8	1.317	OK
S22	FSR: 30 years: +0 %: 60 mins: Winter	114.2 59	113.5 59	114.02 4	0.465	1.3	0.074	0.000	0.9	1.991	Flood Risk
S23	FSR: 30 years: +0 %: 60 mins: Winter	113.4 97	112.7 97	112.85 3	0.056	1.2	0.009	0.000	1.2	1.882	OK
S24	FSR: 30 years: +0 %: 15 mins: Winter	112.6 85	111.98 5	112.03 9	0.054	3.1	0.009	0.000	3.0	1.437	OK
S7	FSR: 30 years: +0 %: 15 mins: Winter	112.3 88	111.73 8	111.77 6	0.038	6.9	0.006	0.000	6.8	3.507	OK
RE1	FSR: 30 years: +0 %: 15 mins: Winter		0.000	112.47 7	0.041	3.8			3.8	1.764	OK
RE2	FSR: 30 years: +0 %: 15 mins: Winter		0.000	112.44 9	0.027	1.0			1.0	0.477	OK
Simple Junction	FSR: 30 years: +0 %: 1440 mins: Winter		0.000	8.421	9.721	0.3			0.0	0.000	OK

The Coppice: Burbage	Date: 05/11/2024		
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FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

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
S1	FSR: 100 years: +40 %: 15 mins: Winter	113.413	112.363	112.445	0.082	8.2	0.052	0.000	6.8	3.769	OK
S2	FSR: 100 years: +40 %: 15 mins: Winter	113.318	112.162	112.418	0.256	23.9	0.163	0.000	21.1	11.648	Surcharged
S6	FSR: 100 years: +40 %: 15 mins: Winter	113.083	112.322	112.422	0.100	9.8	0.016	0.000	8.6	4.863	Surcharged
S3	FSR: 100 years: +40 %: 15 mins: Winter	112.898	111.848	111.975	0.127	36.1	0.081	0.000	34.1	18.540	OK
S4	FSR: 100 years: +40 %: 15 mins: Winter	112.397	110.957	111.133	0.176	73.3	0.112	0.000	73.1	39.575	OK
S15	FSR: 100 years: +40 %: 15 mins: Winter	112.464	111.414	111.465	0.051	9.7	0.032	0.000	9.7	4.500	OK
S9	FSR: 100 years: +40 %: 15 mins: Winter	112.023	111.198	111.284	0.086	11.8	0.014	0.000	11.6	7.096	OK
S11	FSR: 100 years: +40 %: 15 mins: Winter	112.160	111.460	111.594	0.134	9.8	0.021	0.000	8.6	5.612	Surcharged
S10	FSR: 100 years: +40 %: 15 mins: Winter	112.255	111.555	111.871	0.316	12.1	0.050	0.000	9.8	5.615	Surcharged
S8	FSR: 100 years: +40 %: 15 mins: Winter	112.433	111.010	111.167	0.157	25.1	0.044	0.000	24.6	14.276	OK
S13	FSR: 100 years: +40 %: 240 mins: Winter	111.224	109.890	110.585	0.695	9.3	0.111	0.000	2.6	40.142	Surcharged
S12	FSR: 100 years: +40 %: 240 mins: Winter	111.266	110.329	110.594	0.265	2.6	0.042	0.000	2.6	14.760	Surcharged
Simple Junction (2)	FSR: 100 years: +40 %: 15 mins: Winter		0.000	110.609	0.110	5.8			4.2	2.657	Surcharged
Simple Junction (1)	FSR: 100 years: +40 %: 15 mins: Winter		0.000	111.197	0.062	7.9			7.8	3.663	OK
Simple Junction (3)	FSR: 100 years: +40 %: 480 mins: Winter		0.000	46.182	47.482	9.0			0.0	0.150	OK
S14	FSR: 100 years: +40 %: 240 mins: Winter	110.724	109.836	110.606	0.770	9.3	0.122	0.000	3.3	42.327	Flood Risk
FCC	FSR: 100 years: +40 %: 240 mins: Winter	111.231	109.332	110.641	1.309	5.5	0.832	0.000	2.1	38.349	Surcharged
S5	FSR: 100 years: +40 %: 15 mins: Winter	111.716	110.591	110.668	0.077	73.1	0.049	0.000	72.9	39.570	OK
S16	FSR: 100 years: +40 %: 15 mins: Winter	114.039	113.339	113.413	0.074	11.4	0.012	0.000	11.2	5.264	OK

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Report Details: Type: Junctions Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		



S17	FSR: 100 years: +40 %: 15 mins: Winter	112.7 44	112.0 44	112.36 1	0.317	16.3	0.050	0.000	12.5	7.588	Surcharged
S18	FSR: 100 years: +40 %: 15 mins: Winter	112.0 84	111.38 4	111.51 7	0.133	15.3	0.021	0.000	14.9	8.891	OK
S19	FSR: 100 years: +40 %: 15 mins: Winter	111.95 9	111.25 0	111.34 5	0.095	21.8	0.015	0.000	21.4	12.075	OK
S21	FSR: 100 years: +40 %: 15 mins: Winter	111.37 1	110.3 98	110.44 8	0.050	26.5	0.008	0.000	26.3	14.465	OK
S20	FSR: 100 years: +40 %: 15 mins: Winter	111.32 5	110.6 25	110.69 4	0.069	5.2	0.011	0.000	5.1	2.400	OK
S22	FSR: 100 years: +40 %: 60 mins: Winter	114.2 59	113.5 59	114.26 0	0.701	2.4	1.007	0.896	1.2	3.222	Flood
S23	FSR: 100 years: +40 %: 30 mins: Winter	113.4 97	112.7 97	113.02 4	0.227	3.0	0.036	0.000	2.9	2.525	Surcharged
S24	FSR: 100 years: +40 %: 60 mins: Winter	112.6 85	111.98 5	112.30 7	0.322	2.8	0.051	0.000	2.7	4.267	Surcharged
S7	FSR: 100 years: +40 %: 15 mins: Winter	112.3 88	111.73 8	111.78 9	0.051	12.0	0.008	0.000	12.2	6.442	OK
RE1	FSR: 100 years: +40 %: 15 mins: Winter		0.000	112.49 4	0.058	7.0			6.8	3.205	OK
RE2	FSR: 100 years: +40 %: 15 mins: Winter		0.000	112.45 9	0.037	1.9			1.8	0.873	OK
Simple Junction	FSR: 100 years: +40 %: 1440 mins: Winter		0.000	16.074	17.374	0.6			0.0	0.000	OK

The Coppice: Burbage	Date: 05/11/2024		
	Designed by: VSP	Checked by: DE	Approved By: DE
Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		





FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
Soakaway - Plot 8	FSR: 1 years: +0 %: 60 mins: Winter	113.612	113.612	0.512	0.512	0.6	0.461	0.000	0.719	0.0	0.000	57	OK
Soakaway - Plot 7	FSR: 1 years: +0 %: 120 mins: Winter	112.252	112.252	0.452	0.452	0.5	0.813	0.000	1.335	0.0	0.000	62	OK
Soakaway - Plot 6	FSR: 1 years: +0 %: 120 mins: Winter	111.477	111.477	0.377	0.377	0.6	1.017	0.000	1.463	0.0	0.000	69	OK
Existing Pond	FSR: 1 years: +0 %: 480 mins: Winter	109.221	109.221	0.101	0.101	1.3	4.295	0.000	0.000	0.0	33.420	93	OK
Cellular Storage	FSR: 1 years: +0 %: 360 mins: Winter	109.454	109.454	0.113	0.113	3.6	19.692	0.000	0.000	1.3	29.385	72	OK
Porous Paving - Plot 1	FSR: 1 years: +0 %: 120 mins: Winter	113.652	112.907	0.020	0.007	0.7	1.126	0.000	0.000	0.2	1.641	83	OK
Porous Paving - Plot 2	FSR: 1 years: +0 %: 240 mins: Winter	112.318	111.954	0.022	0.004	0.3	0.763	0.000	0.000	0.1	1.359	81	OK
Porous Paving - Plot 3	FSR: 1 years: +0 %: 120 mins: Winter	112.084	111.302	0.017	0.002	0.5	0.671	0.000	0.000	0.2	1.368	87	OK
Porous Paving - Plot 4	FSR: 1 years: +0 %: 120 mins: Winter	111.184	110.352	0.015	0.002	0.6	0.751	0.000	0.000	0.3	1.669	87	OK
Porous Paving - Access Rd -Plots 3 and 4	FSR: 1 years: +0 %: 120 mins: Winter	111.766	110.499	0.018	0.009	0.7	1.300	0.000	0.000	0.2	1.723	81	OK
Porous Paving - Plots 5 - 8	FSR: 1 years: +0 %: 15 mins: Winter	114.012	111.850	0.006	0.000	10.9	0.291	0.000	5.024	0.0	0.000	100	OK
Infiltration Basin	FSR: 1 years: +0 %: 480 mins: Winter	109.219	109.219	0.419	0.419	1.8	9.190	0.000	40.882	0.0	0.000	74	OK

The Coppice: Burbage	Date: 05/11/2024		
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		





FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item

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
Soakaway - Plot 8	FSR: 30 years: +0 %: 60 mins: Winter	114.024	114.024	0.924	0.924	0.9	0.832	0.000	1.554	0.0	0.000	23	OK
Soakaway - Plot 7	FSR: 30 years: +0 %: 60 mins: Winter	112.853	112.853	1.053	1.053	1.8	1.896	0.000	2.025	0.0	0.000	12	OK
Soakaway - Plot 6	FSR: 30 years: +0 %: 120 mins: Winter	111.987	111.987	0.887	0.887	1.3	2.396	0.000	3.449	0.0	0.000	26	OK
Existing Pond	FSR: 30 years: +0 %: 1440 mins: Winter	109.366	109.366	0.246	0.246	1.9	21.441	0.000	0.000	0.0	103.795	65	OK
Cellular Storage	FSR: 30 years: +0 %: 360 mins: Winter	109.654	109.654	0.313	0.313	8.1	54.382	0.000	0.000	1.9	45.877	23	OK
Porous Paving - Plot 1	FSR: 30 years: +0 %: 120 mins: Winter	113.681	112.911	0.049	0.011	1.5	2.546	0.000	0.000	0.5	3.896	61	OK
Porous Paving - Plot 2	FSR: 30 years: +0 %: 120 mins: Winter	112.357	111.957	0.061	0.007	0.9	1.654	0.000	0.000	0.3	1.986	59	OK
Porous Paving - Plot 3	FSR: 30 years: +0 %: 120 mins: Winter	112.108	111.303	0.042	0.003	1.2	1.548	0.000	0.000	0.6	3.272	69	OK
Porous Paving - Plot 4	FSR: 30 years: +0 %: 60 mins: Winter	111.215	110.354	0.046	0.004	2.2	1.742	0.000	0.000	0.9	2.767	71	OK
Porous Paving - Access Rd - Plots 3 and 4	FSR: 30 years: +0 %: 120 mins: Winter	111.791	110.503	0.044	0.013	1.6	2.963	0.000	0.000	0.5	4.069	57	OK
Porous Paving - Plots 5 - 8	FSR: 30 years: +0 %: 30 mins: Winter	114.134	111.850	0.128	0.000	17.4	5.950	0.000	16.073	0.0	0.000	91	OK
Infiltration Basin	FSR: 30 years: +0 %: 1440 mins: Winter	109.364	109.364	0.564	0.564	1.7	15.087	0.000	130.934	0.0	0.000	58	OK

The Coppice: Burbage	Date: 05/11/2024		
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Report Details: Type: Stormwater Controls Summary Storm Phase: Phase (1)	PRP UK Ltd: 21-22 Warren Park Way Leicester LE19 4SA		





FSR: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item

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
Soakaway - Plot 8	FSR: 100 years: +40 %: 60 mins: Winter	114.264	114.264	1.164	1.164	1.2	1.047	0.000	2.391	0.0	0.001	3	OK
Soakaway - Plot 7	FSR: 100 years: +40 %: 120 mins: Winter	113.260	113.260	1.460	1.460	2.1	3.723	1.563	5.504	0.0	0.000	-72	Flood
Soakaway - Plot 6	FSR: 100 years: +40 %: 120 mins: Winter	112.421	112.421	1.321	1.321	2.2	4.331	1.091	6.141	0.0	0.001	-34	Flood
Existing Pond	FSR: 100 years: +40 %: 1440 mins: Winter	109.431	109.431	0.311	0.311	2.0	29.299	0.000	0.000	0.0	162.919	53	OK
Cellular Storage	FSR: 100 years: +40 %: 240 mins: Winter	110.641	110.641	1.300	1.300	19.8	70.562	0.000	0.000	5.5	59.743	0	OK
Porous Paving - Plot 1	FSR: 100 years: +40 %: 120 mins: Winter	113.724	112.915	0.092	0.015	2.8	4.441	0.136	0.000	1.1	7.199	32	OK
Porous Paving - Plot 2	FSR: 100 years: +40 %: 120 mins: Winter	112.413	111.960	0.117	0.010	1.7	2.906	0.072	0.000	0.6	3.790	27	OK
Porous Paving - Plot 3	FSR: 100 years: +40 %: 120 mins: Winter	112.148	111.304	0.081	0.004	2.2	2.733	0.113	0.000	1.1	6.084	46	OK
Porous Paving - Plot 4	FSR: 100 years: +40 %: 120 mins: Winter	111.240	110.355	0.070	0.005	2.6	3.039	0.108	0.000	1.3	7.277	49	OK
Porous Paving - Access Rd - Plots 3 and 4	FSR: 100 years: +40 %: 120 mins: Winter	111.831	110.562	0.083	0.072	3.0	5.591	0.189	0.000	2.2	7.718	19	OK
Porous Paving - Plots 5 - 8	FSR: 100 years: +40 %: 30 mins: Winter	114.518	111.850	0.513	0.000	31.9	15.868	1.950	26.784	0.0	0.000	77	Flood
Infiltration Basin	FSR: 100 years: +40 %: 1440 mins: Winter	109.428	109.428	0.628	0.628	2.1	18.261	0.000	210.772	0.0	0.000	49	OK