

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Storm Phase: Main SW Model	Surface Water Design:		



Catchment Area (5)

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

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



Catchment Area (4)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

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



Catchment Area (6)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

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



Catchment Area (7)

Type : Catchment Area

Area (ha)	0.007
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Dynamic Sizing

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

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Catchment Area (8)

Type : Catchment Area

Area (ha)	0.008
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Dynamic Sizing

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



Catchment Area (9)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

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



Catchment Area (10)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (11)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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

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Catchment Area (12)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

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



Catchment Area (13)

Type : Catchment Area

Area (ha)	0.015
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Dynamic Sizing

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



Catchment Area (14)

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

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



Catchment Area (15)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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

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Catchment Area (16)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

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



Catchment Area (17)

Type : Catchment Area

Area (ha)	0.013
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Dynamic Sizing

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



Catchment Area (18)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

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



Catchment Area (19)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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

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Catchment Area (20)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (21)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (22)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (23)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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

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Catchment Area (24)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (26)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (27)

Type : Catchment Area

Area (ha)	0.001
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Dynamic Sizing

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



Catchment Area (29)

Type : Catchment Area

Area (ha)	0.005
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Dynamic Sizing

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

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Catchment Area (30)

Type : Catchment Area

Area (ha)	0.002
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Dynamic Sizing

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



Catchment Area (31)

Type : Catchment Area

Area (ha)	0.082
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Dynamic Sizing

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



Catchment Area (32)

Type : Catchment Area

Area (ha)	0.014
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Dynamic Sizing

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



Catchment Area (33)

Type : Catchment Area

Area (ha)	0.052
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Dynamic Sizing

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

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Catchment Area (34)

Type : Catchment Area

Area (ha)	0.017
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Dynamic Sizing

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



Catchment Area (3)

Type : Catchment Area

Area (ha)	0.004
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Dynamic Sizing

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



Catchment Area (2)

Type : Catchment Area

Area (ha)	0.003
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Dynamic Sizing

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



Catchment Area (1)

Type : Catchment Area

Area (ha)	0.028
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Dynamic Sizing

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

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Catchment Area

Type : Catchment Area

Area (ha)	0.006
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Dynamic Sizing

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

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Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S15	Manhole	384934.139	392573.401	35.214	0.814	34.400	Circular	0.450
RWP02	Manhole	384932.379	392574.406	34.980	0.875	34.105	Circular	0.100
RWP07	Manhole	384922.503	392550.890	34.980	0.875	34.105	Circular	0.100
OU3	Manhole	384900.261	392631.091	34.820	0.500	34.320	Circular	0.100
S01	Manhole	384910.497	392635.072	35.290	1.347	33.943	Circular	0.600
S02	Manhole	384915.152	392625.680	35.250	1.377	33.873	Circular	0.600
S03	Manhole	384919.784	392616.857	35.252	1.446	33.806	Circular	0.600
S04	Manhole	384926.731	392603.352	35.290	1.585	33.705	Rectangular	
S07	Manhole	384932.306	392587.514	35.290	1.697	33.593	Circular	0.600
S11	Manhole	384936.922	392574.378	35.290	1.790	33.500	Circular	1.200
EXC07	Manhole	384940.127	392572.698	35.380	2.900	32.480	Rectangular	
Simple Junction (9)	Simple Junction	384953.768	392577.910					
S08	Manhole	384926.582	392541.546	35.220	1.195	34.025	Circular	0.600
RE01	Manhole	384923.306	392550.876	34.980	1.096	33.884	Circular	0.225
Simple Junction	Simple Junction	384922.958	392551.864					
S10	Manhole	384942.376	392558.607	35.179	1.437	33.742	Circular	0.600
RWP13	Manhole	384901.107	392600.297	34.980	0.875	34.105	Circular	0.100
RWP18	Manhole	384910.805	392571.782	34.980	0.875	34.105	Circular	0.100
S05	Manhole	384914.329	392582.931	34.980	1.108	33.872	Circular	0.600
S06	Manhole	384914.171	392585.070	34.980	1.129	33.851	Circular	0.600
Simple Junction (13)	Simple Junction	384912.437	392601.648					
RWP12	Manhole	384911.507	392597.640	34.980	0.875	34.105	Circular	0.100
Simple Junction (14)	Simple Junction	384919.050	392602.436					
RWP14	Manhole	384917.873	392599.297	34.980	0.875	34.105	Circular	0.100
Simple Junction (15)	Simple Junction	384922.498	392602.847					
RWP01	Manhole	384922.450	392601.621	34.980	0.875	34.105	Circular	0.100
RWP04	Manhole	384908.628	392611.591	34.980	0.875	34.105	Circular	0.100
RWP05	Manhole	384908.017	392614.161	34.980	0.875	34.105	Circular	0.100
Simple Junction (16)	Simple Junction	384917.850	392616.414					
RWP10	Manhole	384916.892	392618.543	34.980	0.875	34.105	Circular	0.100
Simple Junction (12)	Simple Junction	384924.524	392586.465					
RWP19	Manhole	384923.058	392584.525	34.980	0.875	34.105	Circular	0.100
Simple Junction (1)	Simple Junction	384925.311	392552.681					
RWP15	Manhole	384915.738	392558.512	34.980	0.875	34.105	Circular	0.100
Simple Junction (2)	Simple Junction	384926.668	392553.152					
RWP08	Manhole	384923.290	392554.773	34.980	0.875	34.105	Circular	0.100
Simple Junction (3)	Simple Junction	384928.038	392553.628					
RWP03	Manhole	384928.006	392552.352	34.980	0.875	34.105	Circular	0.100
Simple Junction (5)	Simple Junction	384930.694	392554.550					
RWP16	Manhole	384923.055	392561.340	34.980	0.875	34.105	Circular	0.100
RWP17	Manhole	384930.138	392563.559	34.980	0.875	34.105	Circular	0.100
Simple Junction (7)	Simple Junction	384938.409	392557.230					
RWP09	Manhole	384937.523	392559.771	34.980	0.875	34.105	Circular	0.100
OU1	Manhole	384940.183	392557.148	35.170	0.500	34.670	Circular	0.100
S16	Manhole	384938.789	392560.155	35.162	0.722	34.440	Circular	0.450
Simple Junction (10)	Simple Junction	384917.054	392622.074					
S14	Manhole	384917.848	392619.811	35.214	0.776	34.438	Circular	0.450
Simple Junction (11)	Simple Junction	384928.914	392587.057					

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RWP11	Manhole	384928.767	392584.714	34.980	0.875	34.105	Circular	0.100
OU2	Manhole	384915.735	392627.117	34.970	0.500	34.470	Circular	0.100
Blue Roof Flow Control (1)	Manhole	384896.463	392598.619	37.000	0.200	36.800	Circular	0.100
Blue Roof Flow Control (2)	Manhole	384905.875	392568.440	37.000	0.200	36.800	Circular	0.100
RWP06	Manhole	384936.853	392556.147	34.980	0.875	34.105	Circular	0.100

Name	Diameter (m)	Width (m)	Lock
S15			None
RWP02			None
RWP07			None
OU3			None
S01			None
S02			None
S03			None
S04	0.900	1.200	None
S07			None
S11			None
EXC07	1.100	1.200	None
Simple Junction (9)			
S08			None
RE01			None
Simple Junction			
S10			None
RWP13			None
RWP18			None
S05			None
S06			None
Simple Junction (13)			
RWP12			None
Simple Junction (14)			
RWP14			None
Simple Junction (15)			
RWP01			None
RWP04			None
RWP05			None
Simple Junction (16)			
RWP10			None
Simple Junction (12)			
RWP19			None
Simple Junction (1)			
RWP15			None
Simple Junction (2)			
RWP08			None
Simple Junction (3)			
RWP03			None
Simple Junction (5)			
RWP16			None
RWP17			None
Simple Junction (7)			
RWP09			None
OU1			None
S16			None
Simple Junction (10)			
S14			None
Simple Junction (11)			
RWP11			None
OU2			None
Blue Roof Flow Control (1)			None
Blue Roof Flow Control (2)			None
RWP06			None

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Inlets

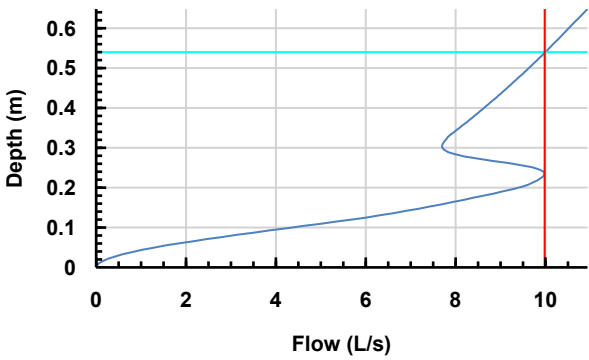
Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S15	Inlet	S13.000	(None)	No Restriction
	Inlet (1)	S14.001	(None)	No Restriction
	Inlet (2)	Catchment Area (17)	(None)	No Restriction
RWP02	Inlet	Catchment Area (5)	(None)	No Restriction
RWP07	Inlet	Catchment Area (9)	(None)	No Restriction
OU3	Inlet	Catchment Area (14)	(None)	No Restriction
S01	Inlet	S1.000	(None)	No Restriction
S02	Inlet	S1.001	(None)	No Restriction
	Inlet (1)	S2.000	(None)	No Restriction
S03	Inlet	S1.002	(None)	No Restriction
	Inlet (1)	S3.000	(None)	No Restriction
	Inlet (2)	S4.001	(None)	No Restriction
S04	Inlet (1)	S6.005	(None)	No Restriction
	Inlet (2)	S1.004	(None)	No Restriction
S07	Inlet (1)	S10.006	(None)	No Restriction
	Inlet (2)	S1.007	(None)	No Restriction
S11	Inlet (2)	S15.000	(None)	No Restriction
	Inlet (3)	S13.001	(None)	No Restriction
	Inlet (4)	S16.004	(None)	No Restriction
	Inlet (5)	S1.010	(None)	No Restriction
EXC07	Inlet	S1.011	(None)	No Restriction
Simple Junction (9)	Inlet	S1.012	(None)	No Restriction
S08	Inlet	Catchment Area (13)	(None)	No Restriction
RE01	Inlet	S20.000	(None)	No Restriction
Simple Junction	Inlet (1)	S19.000	(None)	No Restriction
	Inlet (2)	S20.001	(None)	No Restriction
S10	Inlet	S16.001	(None)	No Restriction
	Inlet (1)	S25.000	(None)	No Restriction
RWP13	Inlet (3)	S6.001	(None)	No Restriction
RWP18	Inlet (1)	S10.001	(None)	No Restriction
S05	Inlet	S10.002	(None)	No Restriction
	Inlet (1)	Catchment Area (3)	(None)	No Restriction
S06	Inlet	S10.003	(None)	No Restriction
Simple Junction (13)	Inlet	S6.002	(None)	No Restriction
	Inlet (1)	S7.000	(None)	No Restriction
Simple Junction (14)	Inlet	S6.003	(None)	No Restriction
	Inlet (1)	S8.000	(None)	No Restriction
Simple Junction (15)	Inlet	S6.004	(None)	No Restriction
	Inlet (1)	S9.000	(None)	No Restriction
RWP01	Inlet	Catchment Area (7)	(None)	No Restriction
RWP04	Inlet	Catchment Area (2)	(None)	No Restriction
Simple Junction (16)	Inlet	S4.000	(None)	No Restriction
	Inlet (1)	S5.000	(None)	No Restriction
RWP10	Inlet	Catchment Area (8)	(None)	No Restriction
Simple Junction (12)	Inlet	S10.004	(None)	No Restriction
	Inlet (1)	S11.000	(None)	No Restriction
Simple Junction (1)	Inlet	S19.001	(None)	No Restriction
	Inlet (1)	S21.000	(None)	No Restriction
Simple Junction (2)	Inlet	S19.002	(None)	No Restriction
	Inlet (1)	S22.000	(None)	No Restriction
RWP08	Inlet	Catchment Area (4)	(None)	No Restriction
Simple Junction (3)	Inlet	S19.003	(None)	No Restriction
	Inlet (1)	S23.000	(None)	No Restriction
RWP03	Inlet	Catchment Area (10)	(None)	No Restriction
Simple Junction (5)	Inlet	S19.004	(None)	No Restriction
	Inlet (1)	S24.000	(None)	No Restriction

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Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
Simple Junction (7)	Inlet (1)	S16.000	(None)	No Restriction
	Inlet (2)	S17.000	(None)	No Restriction
	Inlet (3)	S18.000	(None)	No Restriction
	Inlet (4)	S19.005	(None)	No Restriction
RWP09	Inlet	Catchment Area	(None)	No Restriction
OU1	Inlet	Catchment Area (19)	(None)	No Restriction
S16	Inlet	Catchment Area (18)	(None)	No Restriction
S14	Inlet	S14.000	(None)	No Restriction
	Inlet (1)	Catchment Area (16)	(None)	No Restriction
Simple Junction (11)	Inlet	S10.005	(None)	No Restriction
	Inlet (1)	S12.000	(None)	No Restriction
RWP11	Inlet	Catchment Area (6)	(None)	No Restriction
OU2	Inlet	Catchment Area (15)	(None)	No Restriction
Blue Roof Flow Control (1)	Inlet (1)	S6.000	(None)	No Restriction
Blue Roof Flow Control (2)	Inlet	S10.000	(None)	No Restriction
RWP06	Inlet	Catchment Area (11)	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S15	Outlet	S13.001	Free Discharge
RWP02	Outlet	S15.000	Free Discharge
RWP07	Outlet	S19.000	Free Discharge
OU3	Outlet	S1.000	Free Discharge
S01	Outlet	S1.001	Free Discharge
S02	Outlet	S1.002	Free Discharge
S03	Outlet	S1.003	Free Discharge
S04	Outlet	S1.005	Free Discharge
S07	Outlet	S1.008	Free Discharge
S11	Outlet	S1.011	Hydro-Brake®
	Invert Level (m)	33.500	
	Design Depth (m)	0.540	
	Design Flow (L/s)	10.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0147-1000-0540-1000	
			
EXC07	Outlet	S1.012	Free Discharge
S08	Outlet	S20.000	Free Discharge
RE01	Outlet	S20.001	Free Discharge
Simple Junction	Outlet	S19.001	Free Discharge
S10	Outlet	S16.002	Free Discharge
RWP13	Outlet	S6.002	Free Discharge
RWP18	Outlet	S10.002	Free Discharge
S05	Outlet	S10.003	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Junctions Storm Phase: Main SW Model	Surface Water Design:		



Junction	Outlet Name	Outgoing Connection	Outlet Type
S06	Outlet	S10.004	Free Discharge
Simple Junction (13)	Outlet	S6.003	Free Discharge
RWP12	Outlet	S7.000	Free Discharge
Simple Junction (14)	Outlet	S6.004	Free Discharge
RWP14	Outlet	S8.000	Free Discharge
Simple Junction (15)	Outlet	S6.005	Free Discharge
RWP01	Outlet	S9.000	Free Discharge
RWP04	Outlet	S3.000	Free Discharge
RWP05	Outlet	S4.000	Free Discharge
Simple Junction (16)	Outlet	S4.001	Free Discharge
RWP10	Outlet	S5.000	Free Discharge
Simple Junction (12)	Outlet	S10.005	Free Discharge
RWP19	Outlet	S11.000	Free Discharge
Simple Junction (1)	Outlet	S19.002	Free Discharge
RWP15	Outlet	S21.000	Free Discharge
Simple Junction (2)	Outlet	S19.003	Free Discharge
RWP08	Outlet	S22.000	Free Discharge
Simple Junction (3)	Outlet	S19.004	Free Discharge
RWP03	Outlet	S23.000	Free Discharge
Simple Junction (5)	Outlet	S19.005	Free Discharge
RWP16	Outlet	S24.000	Free Discharge
RWP17	Outlet	S18.000	Free Discharge
Simple Junction (7)	Outlet	S16.001	Free Discharge
RWP09	Outlet	S16.000	Free Discharge
OU1	Outlet	S25.000	Free Discharge
S16	Outlet	S13.000	Free Discharge
Simple Junction (10)	Outlet	S14.000	Free Discharge
S14	Outlet	S14.001	Free Discharge
Simple Junction (11)	Outlet	S10.006	Free Discharge
RWP11	Outlet	S12.000	Free Discharge
OU2	Outlet	S2.000	Free Discharge
Blue Roof Flow Control (1)	Outlet	S6.001	Depth / Flow
	Invert Level (m)	36.800	
	Depth (m)	Outflow (L/s)	
	0.001	0.0	
	0.098	3.8	
Blue Roof Flow Control (2)	Outlet	S10.001	Depth / Flow
	Invert Level (m)	36.800	
	Depth (m)	Outflow (L/s)	
	0.001	0.0	
	0.098	3.8	
RWP06	Outlet	S17.000	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	



Blue Roof (2)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	36.900
Depth (m)	0.100
Base Level (m)	36.800
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	30
Crate Width (m)	22.083
Crate Height (m)	0.1
Total Volume (m³)	62.937

Inlets

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (32)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (31)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (4)

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

Outlets

Outlet

Outgoing Connection	S10.000
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026			
	Designed by: JLW	Checked by: AS	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model	Surface Water Design:			



Hydrorock (1)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.040
Depth (m)	0.500
Base Level (m)	33.540
Number of Crates Long	5
Number of Crates Wide	7
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	7.980

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S16.002
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

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

Outlets

Outlet

Outgoing Connection	S16.003
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026			
	Designed by: JLW	Checked by: AS	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model	Surface Water Design:			



Hydrorock (2)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.020
Depth (m)	0.500
Base Level (m)	33.520
Number of Crates Long	3
Number of Crates Wide	8
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	5.472

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S16.003
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

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

Outlets

Outlet

Outgoing Connection	S16.004
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	



Hydrorock (3)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.020
Depth (m)	0.500
Base Level (m)	33.520
Number of Crates Long	4
Number of Crates Wide	9
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	8.208

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S1.009
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (22)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S1.010
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	



Hydrorock (4)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.080
Depth (m)	0.500
Base Level (m)	33.580
Number of Crates Long	5
Number of Crates Wide	10
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	11.400

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	S1.008
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (23)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S1.009
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	



Hydrorock (5)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.120
Depth (m)	0.500
Base Level (m)	33.620
Number of Crates Long	6
Number of Crates Wide	8
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	10.944

Inlets

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	S1.006
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (24)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S1.007
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	





Hydrorock (6)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.170
Depth (m)	0.500
Base Level (m)	33.670
Number of Crates Long	5
Number of Crates Wide	6
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	6.840

Inlets

Inlet

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

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	S1.005
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S1.006
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	



Hydrorock (7)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	34.220
Depth (m)	0.500
Base Level (m)	33.720
Number of Crates Long	3
Number of Crates Wide	3
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	1.2
Crate Width (m)	0.4
Crate Height (m)	0.5
Total Volume (m³)	2.052

Inlets

Inlet

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

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	S1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	S1.004
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Main SW Model		Surface Water Design:	





Blue Roof (1)

Type : Cellular Storage

Dimensions

Exceedance Level (m)	36.900
Depth (m)	0.100
Base Level (m)	36.800
Number of Crates Long	1
Number of Crates Wide	1
Number of Crates High	1
Porosity (%)	95
Crate Length (m)	30
Crate Width (m)	22.083
Crate Height (m)	0.1
Total Volume (m³)	62.937

Inlets

Inlet

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

Inlet (1)

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

Inlet (2)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (34)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (3)

Inlet Type	Point Inflow
Incoming Item(s)	Catchment Area (33)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (4)

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

Outlets

Outlet

Outgoing Connection	S6.000
Outlet Type	Free Discharge

CASICD:	Date: 23/02/2026			
	Designed by: JLW	Checked by: AS	Approved By:	
Report Title: Rainfall Analysis Criteria	Surface Water Design:			

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

Rainfall		
FEH		Type: FEH
Site Location	GB 384906 392580 SJ 84906 92580	
Rainfall Version	2022	
Summer	☒	
Winter	☒	

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880
7200	14400
10080	20160

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:	



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area (5)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	4.7	2.031
Catchment Area (4)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	2.9	1.269
Catchment Area (6)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	6.6	2.850
Catchment Area (7)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	5.2	2.238
Catchment Area (8)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	6.5	2.829
Catchment Area (9)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	2.1	0.924
Catchment Area (10)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.6	0.681
Catchment Area (11)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.4	0.591
Catchment Area (12)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	3.3	1.428
Catchment Area (13)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	11.7	5.072
Catchment Area (14)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	4.4	1.896
Catchment Area (15)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.5	0.666
Catchment Area (16)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	2.9	1.254
Catchment Area (17)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	10.4	4.523
Catchment Area (18)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	2.5	1.071

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:	



Catchment Area (19)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.9	0.804
Catchment Area (20)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.5	0.648
Catchment Area (21)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.6	0.699
Catchment Area (22)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.3	0.570
Catchment Area (23)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.7	0.759
Catchment Area (24)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.4	0.606
Catchment Area (26)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.5	0.630
Catchment Area (27)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.0	0.450
Catchment Area (29)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	3.9	1.674
Catchment Area (30)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	1.3	0.561
Catchment Area (31)	FEH: 100 years: +45 %: 15 mins: Summer	0.08	64.6	28.004
Catchment Area (32)	FEH: 100 years: +45 %: 15 mins: Summer	0.01	11.3	4.919
Catchment Area (33)	FEH: 100 years: +45 %: 15 mins: Summer	0.05	41.0	17.761
Catchment Area (34)	FEH: 100 years: +45 %: 15 mins: Summer	0.02	13.6	5.915
Catchment Area (3)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	3.2	1.401
Catchment Area (2)	FEH: 100 years: +45 %: 15 mins: Summer	0.00	2.5	1.095
Catchment Area (1)	FEH: 100 years: +45 %: 15 mins: Summer	0.03	21.8	9.461

CASICD:		Date: 23/02/2026			
		Designed by: JLW	Checked by: AS	Approved By:	
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:			

Catchment Area	FEH: 100 years: +45 %: 15 mins: Summer	0.01	5.0	2.166
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CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model	Surface Water Design:		



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

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area (5)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	2.6	1.110
Catchment Area (4)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.6	0.696
Catchment Area (6)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	3.6	1.560
Catchment Area (7)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	2.8	1.224
Catchment Area (8)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	3.6	1.545
Catchment Area (9)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.2	0.507
Catchment Area (10)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.9	0.372
Catchment Area (11)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.7	0.327
Catchment Area (12)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.8	0.783
Catchment Area (13)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	6.4	2.775
Catchment Area (14)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	2.4	1.038
Catchment Area (15)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.8	0.366
Catchment Area (16)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.6	0.687
Catchment Area (17)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	5.7	2.475
Catchment Area (18)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.3	0.585

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:	



Catchment Area (19)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.0	0.444
Catchment Area (20)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.8	0.354
Catchment Area (21)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.9	0.384
Catchment Area (22)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.7	0.312
Catchment Area (23)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.0	0.414
Catchment Area (24)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.8	0.330
Catchment Area (26)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.8	0.348
Catchment Area (27)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.6	0.249
Catchment Area (29)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	2.1	0.915
Catchment Area (30)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	0.7	0.309
Catchment Area (31)	FEH: 30 years: +0 %: 15 mins: Summer	0.08	35.3	15.319
Catchment Area (32)	FEH: 30 years: +0 %: 15 mins: Summer	0.01	6.2	2.694
Catchment Area (33)	FEH: 30 years: +0 %: 15 mins: Summer	0.05	22.4	9.716
Catchment Area (34)	FEH: 30 years: +0 %: 15 mins: Summer	0.02	7.5	3.237
Catchment Area (3)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.8	0.762
Catchment Area (2)	FEH: 30 years: +0 %: 15 mins: Summer	0.00	1.4	0.603
Catchment Area (1)	FEH: 30 years: +0 %: 15 mins: Summer	0.03	11.9	5.171

CASICD:		Date: 23/02/2026			
		Designed by: JLW	Checked by: AS	Approved By:	
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:			

Catchment Area	FEH: 30 years: +0 %: 15 mins: Summer	0.01	2.7	1.185
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CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:	



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

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area (5)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.1	0.495
Catchment Area (4)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.7	0.312
Catchment Area (6)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.6	0.699
Catchment Area (7)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.3	0.546
Catchment Area (8)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.6	0.696
Catchment Area (9)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.5	0.228
Catchment Area (10)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.171
Catchment Area (11)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.3	0.141
Catchment Area (12)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.8	0.351
Catchment Area (13)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	2.9	1.245
Catchment Area (14)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.1	0.465
Catchment Area (15)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.162
Catchment Area (16)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.7	0.309
Catchment Area (17)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	2.6	1.110
Catchment Area (18)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.6	0.258
Catchment Area (19)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.195
Catchment Area (20)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.159
Catchment Area (21)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.171
Catchment Area (22)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.3	0.138
Catchment Area (23)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.189

CASICD:	Date: 23/02/2026		
	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Main SW Model		Surface Water Design:	



Catchment Area (24)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.3	0.150
Catchment Area (26)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.4	0.156
Catchment Area (27)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.2	0.111
Catchment Area (29)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.9	0.411
Catchment Area (30)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.3	0.138
Catchment Area (31)	FEH: 2 years: +0 %: 15 mins: Summer	0.08	15.8	6.857
Catchment Area (32)	FEH: 2 years: +0 %: 15 mins: Summer	0.01	2.8	1.206
Catchment Area (33)	FEH: 2 years: +0 %: 15 mins: Summer	0.05	10.0	4.352
Catchment Area (34)	FEH: 2 years: +0 %: 15 mins: Summer	0.02	3.3	1.449
Catchment Area (3)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.8	0.345
Catchment Area (2)	FEH: 2 years: +0 %: 15 mins: Summer	0.00	0.6	0.270
Catchment Area (1)	FEH: 2 years: +0 %: 15 mins: Summer	0.03	5.3	2.319
Catchment Area	FEH: 2 years: +0 %: 15 mins: Summer	0.01	1.2	0.528

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	Designed by: JLW	Checked by: AS	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Main SW Model		Surface Water Design:	



FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Outflow

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
S15	FEH: 100 years: +45 %: 15 mins: Summer	35.214	34.400	34.445	0.045	14.8	0.007	0.000	14.7	6.784	OK
RWP02	FEH: 100 years: +45 %: 15 mins: Summer	34.980	34.105	34.135	0.030	4.7	0.000	0.000	4.6	2.029	OK
RWP07	FEH: 100 years: +45 %: 15 mins: Summer	34.980	34.105	34.122	0.017	2.1	0.000	0.000	2.1	0.923	OK
OU3	FEH: 100 years: +45 %: 15 mins: Summer	34.820	34.320	34.357	0.037	4.4	0.000	0.000	4.3	1.895	OK
S01	FEH: 100 years: +45 %: 15 mins: Summer	35.290	33.943	33.993	0.050	4.3	0.014	0.000	4.2	1.893	OK
S02	FEH: 100 years: +45 %: 15 mins: Summer	35.250	33.873	33.927	0.054	5.7	0.015	0.000	5.5	2.555	OK
S03	FEH: 100 years: +45 %: 15 mins: Summer	35.252	33.806	33.901	0.095	14.2	0.027	0.000	13.7	6.477	OK
S04	FEH: 100 years: +45 %: 15 mins: Summer	35.290	33.705	33.817	0.112	18.7	0.120	0.000	18.2	10.129	OK
S07	FEH: 100 years: +45 %: 15 mins: Summer	35.290	33.593	33.773	0.180	18.0	0.051	0.000	17.5	13.276	OK
S11	FEH: 100 years: +45 %: 60 mins: Winter	35.290	33.500	33.842	0.342	13.5	0.387	0.000	10.0	61.293	Surcharged
EXC07	FEH: 100 years: +45 %: 360 mins: Summer	35.380	32.480	32.520	0.040	10.0	0.053	0.000	10.0	194.137	OK
Simple Junction (9)	FEH: 100 years: +45 %: 360 mins: Summer		31.263	31.302	0.039	10.0			10.0	194.137	OK
S08	FEH: 100 years: +45 %: 15 mins: Summer	35.220	34.025	34.135	0.110	11.7	0.031	0.000	11.3	5.070	OK
RE01	FEH: 100 years: +45 %: 15 mins: Summer	34.980	33.884	34.007	0.123	11.3	0.005	0.000	11.0	5.067	OK
Simple Junction	FEH: 100 years: +45 %: 15 mins: Summer		33.877	33.997	0.120	13.1			12.9	5.988	OK
S10	FEH: 100 years: +45 %: 15 mins: Summer	35.179	33.742	33.769	0.027	1.8	0.008	0.000	1.8	0.802	OK
RWP13	FEH: 100 years: +45 %: 480 mins: Summer	34.980	34.105	34.158	0.053	3.1	0.000	0.000	3.1	77.508	OK
RWP18	FEH: 100 years: +45 %: 480 mins: Summer	34.980	34.105	34.147	0.042	3.1	0.000	0.000	3.1	77.104	OK
S05	FEH: 100 years: +45 %: 60 mins: Summer	34.980	33.872	33.922	0.050	3.4	0.014	0.000	3.3	14.604	OK
S06	FEH: 100 years: +45 %: 60 mins: Summer	34.980	33.851	33.897	0.046	3.3	0.013	0.000	3.3	14.562	OK

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Simple Junction (13)	FEH: 100 years: +45 %: 480 mins: Summer		33.99 1	34.045	0.054	3.1			3.1	77.487	OK
RWP12	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (14)	FEH: 100 years: +45 %: 480 mins: Summer		33.74 7	33.977	0.230	3.1			3.1	77.259	OK
RWP14	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (15)	FEH: 100 years: +45 %: 15 mins: Summer		33.88 9	33.932	0.043	5.1			4.9	3.371	OK
RWP01	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.140	0.035	5.2	0.000	0.000	5.1	2.237	OK
RWP04	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.139	0.034	2.5	0.000	0.000	2.5	1.093	OK
RWP05	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (16)	FEH: 100 years: +45 %: 15 mins: Summer		33.85 5	33.937	0.082	6.4			6.2	2.826	OK
RWP10	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.148	0.043	6.5	0.000	0.000	6.4	2.828	OK
Simple Junction (12)	FEH: 100 years: +45 %: 60 mins: Summer		33.74 7	33.852	0.105	3.3			3.3	14.519	OK
RWP19	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (1)	FEH: 100 years: +45 %: 15 mins: Summer		33.85 7	33.987	0.130	12.9			12.6	5.984	OK
RWP15	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (2)	FEH: 100 years: +45 %: 15 mins: Summer		33.85 1	33.976	0.125	15.5			15.2	7.247	OK
RWP08	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.133	0.028	2.9	0.000	0.000	2.9	1.268	OK
Simple Junction (3)	FEH: 100 years: +45 %: 15 mins: Summer		33.84 1	33.958	0.117	16.7			16.5	7.922	OK
RWP03	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.120	0.015	1.6	0.000	0.000	1.5	0.680	OK
Simple Junction (5)	FEH: 100 years: +45 %: 15 mins: Summer		33.82 2	33.929	0.107	16.5			16.0	7.915	OK
RWP16	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
RWP17	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (7)	FEH: 100 years: +45 %: 15 mins: Summer		-1.200	7.951	9.151	22.3			0.0	0.000	OK
RWP09	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.141	0.036	5.0	0.000	0.000	4.9	2.165	OK

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Report Details: Type: Junctions Summary Storm Phase: Main SW Model	Surface Water Design:			

OU1	FEH: 100 years: +45 %: 15 mins: Summer	35.17 0	34.67 0	34.686	0.016	1.9	0.000	0.000	1.8	0.803	OK
S16	FEH: 100 years: +45 %: 15 mins: Summer	35.16 2	34.44 0	34.494	0.054	2.5	0.009	0.000	2.4	1.068	OK
Simple Junction (10)	FEH: 100 years: +45 %: 15 mins: Summer		34.44 0	34.513	0.073	0.3			0.1	0.073	OK
S14	FEH: 100 years: +45 %: 15 mins: Summer	35.21 4	34.43 8	34.513	0.075	2.9	0.012	0.000	2.0	1.280	OK
Simple Junction (11)	FEH: 100 years: +45 %: 15 mins: Summer		33.70 3	33.773	0.071	9.5			9.3	5.594	OK
RWP11	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.141	0.036	6.6	0.000	0.000	6.5	2.849	OK
OU2	FEH: 100 years: +45 %: 15 mins: Summer	34.97 0	34.47 0	34.484	0.014	1.5	0.000	0.000	1.5	0.666	OK
Blue Roof Flow Control (1)	FEH: 100 years: +45 %: 480 mins: Summer	37.00 0	36.80 0	36.898	0.098	3.1	0.001	0.000	3.1	77.537	Flood Risk
Blue Roof Flow Control (2)	FEH: 100 years: +45 %: 480 mins: Summer	37.00 0	36.80 0	36.897	0.097	3.1	0.001	0.000	3.1	77.130	Flood Risk
RWP06	FEH: 100 years: +45 %: 15 mins: Summer	34.98 0	34.10 5	34.110	0.005	1.4	0.000	0.000	1.4	0.591	OK

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

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
S15	FEH: 30 years: +0 %: 15 mins: Summer	35.21 4	34.40 0	34.432	0.032	7.9	0.005	0.000	7.7	3.692	OK
RWP02	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.127	0.022	2.6	0.000	0.000	2.5	1.109	OK
RWP07	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.118	0.013	1.2	0.000	0.000	1.2	0.506	OK
OU3	FEH: 30 years: +0 %: 15 mins: Summer	34.82 0	34.32 0	34.347	0.027	2.4	0.000	0.000	2.4	1.037	OK
S01	FEH: 30 years: +0 %: 15 mins: Summer	35.29 0	33.94 3	33.979	0.036	2.4	0.010	0.000	2.3	1.035	OK
S02	FEH: 30 years: +0 %: 15 mins: Summer	35.25 0	33.87 3	33.913	0.040	3.1	0.011	0.000	3.0	1.398	OK
S03	FEH: 30 years: +0 %: 15 mins: Summer	35.25 2	33.80 6	33.872	0.066	7.7	0.019	0.000	7.4	3.540	OK
S04	FEH: 30 years: +0 %: 15 mins: Summer	35.29 0	33.70 5	33.782	0.077	10.0	0.083	0.000	9.7	5.077	OK
S07	FEH: 30 years: +0 %: 30 mins: Summer	35.29 0	33.59 3	33.695	0.102	10.9	0.029	0.000	10.8	12.988	OK
S11	FEH: 30 years: +0 %: 60 mins: Summer	35.29 0	33.50 0	33.700	0.200	10.2	0.226	0.000	8.3	33.646	OK
EXC07	FEH: 30 years: +0 %: 60 mins: Summer	35.38 0	32.48 0	32.517	0.037	8.3	0.048	0.000	8.3	30.510	OK
Simple Junction (9)	FEH: 30 years: +0 %: 60 mins: Summer		31.26 3	31.299	0.036	8.3			8.3	30.510	OK
S08	FEH: 30 years: +0 %: 15 mins: Summer	35.22 0	34.02 5	34.098	0.073	6.4	0.021	0.000	6.2	2.773	OK
RE01	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	33.88 4	33.966	0.082	6.2	0.003	0.000	6.0	2.770	OK
Simple Junction	FEH: 30 years: +0 %: 15 mins: Summer		33.87 7	33.956	0.079	7.2			7.0	3.273	OK
S10	FEH: 30 years: +0 %: 15 mins: Summer	35.17 9	33.74 2	33.754	0.012	1.0	0.004	0.000	1.0	0.443	OK
RWP13	FEH: 30 years: +0 %: 960 mins: Summer	34.98 0	34.10 5	34.141	0.036	1.6	0.000	0.000	1.6	52.486	OK
RWP18	FEH: 30 years: +0 %: 960 mins: Summer	34.98 0	34.10 5	34.134	0.029	1.5	0.000	0.000	1.5	52.603	OK
S05	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	33.87 2	33.907	0.035	1.8	0.010	0.000	1.7	1.196	OK
S06	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	33.85 1	33.883	0.032	1.7	0.009	0.000	1.6	1.176	OK

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Simple Junction (13)	FEH: 30 years: +0 %: 960 mins: Summer		33.99 1	34.027	0.036	1.6			1.6	52.476	OK
RWP12	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (14)	FEH: 30 years: +0 %: 960 mins: Summer		33.74 7	33.960	0.213	1.6			1.6	52.259	OK
RWP14	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (15)	FEH: 30 years: +0 %: 15 mins: Summer		33.88 9	33.921	0.032	2.8			2.7	1.326	OK
RWP01	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.130	0.025	2.8	0.000	0.000	2.8	1.223	OK
RWP04	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.130	0.025	1.4	0.000	0.000	1.3	0.602	OK
RWP05	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (16)	FEH: 30 years: +0 %: 15 mins: Summer		33.85 5	33.908	0.053	3.5			3.4	1.542	OK
RWP10	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.134	0.029	3.6	0.000	0.000	3.5	1.544	OK
Simple Junction (12)	FEH: 30 years: +0 %: 480 mins: Summer		33.74 7	33.779	0.032	1.6			1.6	39.664	OK
RWP19	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (1)	FEH: 30 years: +0 %: 15 mins: Summer		33.85 7	33.945	0.088	7.0			6.8	3.269	OK
RWP15	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (2)	FEH: 30 years: +0 %: 15 mins: Summer		33.85 1	33.936	0.085	8.4			8.2	3.960	OK
RWP08	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.125	0.020	1.6	0.000	0.000	1.6	0.695	OK
Simple Junction (3)	FEH: 30 years: +0 %: 15 mins: Summer		33.84 1	33.922	0.081	9.0			8.9	4.326	OK
RWP03	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.116	0.011	0.9	0.000	0.000	0.8	0.371	OK
Simple Junction (5)	FEH: 30 years: +0 %: 15 mins: Summer		33.82 2	33.897	0.075	8.9			8.5	4.319	OK
RWP16	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
RWP17	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (7)	FEH: 30 years: +0 %: 15 mins: Summer		-1.200	3.793	4.993	12.0			0.0	0.000	OK
RWP09	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.131	0.026	2.7	0.000	0.000	2.7	1.184	OK

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OU1	FEH: 30 years: +0 %: 15 mins: Summer	35.17 0	34.67 0	34.682	0.012	1.0	0.000	0.000	1.0	0.444	OK
S16	FEH: 30 years: +0 %: 15 mins: Summer	35.16 2	34.44 0	34.480	0.040	1.3	0.006	0.000	1.3	0.582	OK
Simple Junction (10)	FEH: 30 years: +0 %: 15 mins: Summer		34.44 0	34.490	0.050	0.2			0.1	0.048	OK
S14	FEH: 30 years: +0 %: 30 mins: Summer	35.21 4	34.43 8	34.493	0.055	1.0	0.009	0.000	1.0	0.936	OK
Simple Junction (11)	FEH: 30 years: +0 %: 15 mins: Summer		33.70 3	33.747	0.045	5.1			5.0	2.700	OK
RWP11	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.131	0.026	3.6	0.000	0.000	3.6	1.559	OK
OU2	FEH: 30 years: +0 %: 15 mins: Summer	34.97 0	34.47 0	34.480	0.010	0.8	0.000	0.000	0.8	0.366	OK
Blue Roof Flow Control (1)	FEH: 30 years: +0 %: 960 mins: Summer	37.00 0	36.80 0	36.853	0.053	1.6	0.000	0.000	1.6	52.500	Flood Risk
Blue Roof Flow Control (2)	FEH: 30 years: +0 %: 960 mins: Summer	37.00 0	36.80 0	36.853	0.053	1.5	0.000	0.000	1.5	52.616	Flood Risk
RWP06	FEH: 30 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.108	0.003	0.7	0.000	0.000	0.7	0.327	OK

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Report Details: Type: Junctions Summary Storm Phase: Main SW Model		Surface Water Design:	



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

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
S15	FEH: 2 years: +0 %: 15 mins: Summer	35.21 4	34.40 0	34.421	0.021	3.4	0.003	0.000	3.3	1.633	OK
RWP02	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.120	0.015	1.1	0.000	0.000	1.1	0.494	OK
RWP07	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.114	0.009	0.5	0.000	0.000	0.5	0.227	OK
OU3	FEH: 2 years: +0 %: 15 mins: Summer	34.82 0	34.32 0	34.338	0.018	1.1	0.000	0.000	1.0	0.464	OK
S01	FEH: 2 years: +0 %: 15 mins: Summer	35.29 0	33.94 3	33.967	0.024	1.0	0.007	0.000	1.0	0.462	OK
S02	FEH: 2 years: +0 %: 15 mins: Summer	35.25 0	33.87 3	33.900	0.027	1.4	0.008	0.000	1.3	0.621	OK
S03	FEH: 2 years: +0 %: 15 mins: Summer	35.25 2	33.80 6	33.849	0.043	3.4	0.012	0.000	3.2	1.581	OK
S04	FEH: 2 years: +0 %: 15 mins: Summer	35.29 0	33.70 5	33.753	0.048	4.2	0.052	0.000	4.1	2.213	OK
S07	FEH: 2 years: +0 %: 15 mins: Summer	35.29 0	33.59 3	33.638	0.045	4.0	0.013	0.000	4.1	3.120	OK
S11	FEH: 2 years: +0 %: 120 mins: Summer	35.29 0	33.50 0	33.614	0.114	4.5	0.129	0.000	4.0	20.088	OK
EXC07	FEH: 2 years: +0 %: 120 mins: Summer	35.38 0	32.48 0	32.506	0.026	4.0	0.034	0.000	4.0	18.669	OK
Simple Junction (9)	FEH: 2 years: +0 %: 120 mins: Summer		31.26 3	31.288	0.025	4.0			4.0	18.669	OK
S08	FEH: 2 years: +0 %: 15 mins: Summer	35.22 0	34.02 5	34.071	0.046	2.9	0.013	0.000	2.8	1.243	OK
RE01	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	33.88 4	33.933	0.049	2.8	0.002	0.000	2.7	1.240	OK
Simple Junction	FEH: 2 years: +0 %: 15 mins: Summer		33.87 7	33.924	0.047	3.2			3.1	1.464	OK
S10	FEH: 2 years: +0 %: 15 mins: Summer	35.17 9	33.74 2	33.751	0.009	0.4	0.002	0.000	0.4	0.194	OK
RWP13	FEH: 2 years: +0 %: 1440 mins: Summer	34.98 0	34.10 5	34.128	0.023	0.7	0.000	0.000	0.7	31.466	OK
RWP18	FEH: 2 years: +0 %: 1440 mins: Summer	34.98 0	34.10 5	34.125	0.020	0.7	0.000	0.000	0.7	31.964	OK
S05	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	33.87 2	33.895	0.023	0.8	0.006	0.000	0.8	0.390	OK
S06	FEH: 2 years: +0 %: 1440 mins: Summer	34.98 0	33.85 1	33.872	0.021	0.7	0.006	0.000	0.7	33.597	OK
Simple Junction (13)	FEH: 2 years: +0 %: 1440 mins: Summer		33.99 1	34.015	0.024	0.7			0.7	31.459	OK
RWP12	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (14)	FEH: 2 years: +0 %: 1440 mins: Summer		33.74 7	33.948	0.201	0.7			0.7	31.245	OK
RWP14	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (15)	FEH: 2 years: +0 %: 15 mins: Summer		33.88 9	33.910	0.021	1.2			1.2	0.544	OK
RWP01	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.121	0.016	1.3	0.000	0.000	1.2	0.545	OK
RWP04	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.122	0.017	0.6	0.000	0.000	0.6	0.269	OK
RWP05	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK

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Simple Junction (16)	FEH: 2 years: +0 %: 15 mins: Summer		33.85 5	33.886	0.031	1.6			1.5	0.693	OK
RWP10	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.124	0.019	1.6	0.000	0.000	1.6	0.695	OK
Simple Junction (12)	FEH: 2 years: +0 %: 1440 mins: Summer		33.74 7	33.769	0.022	0.7			0.7	33.590	OK
RWP19	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (1)	FEH: 2 years: +0 %: 15 mins: Summer		33.85 7	33.911	0.054	3.1			3.0	1.461	OK
RWP15	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (2)	FEH: 2 years: +0 %: 15 mins: Summer		33.85 1	33.903	0.053	3.7			3.6	1.768	OK
RWP08	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.119	0.014	0.7	0.000	0.000	0.7	0.311	OK
Simple Junction (3)	FEH: 2 years: +0 %: 15 mins: Summer		33.84 1	33.892	0.051	3.9			3.8	1.934	OK
RWP03	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.113	0.008	0.4	0.000	0.000	0.4	0.170	OK
Simple Junction (5)	FEH: 2 years: +0 %: 15 mins: Summer		33.82 2	33.870	0.048	3.8			3.6	1.926	OK
RWP16	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
RWP17	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.105	0.000	0.0	0.000	0.000	0.0	0.000	OK
Simple Junction (7)	FEH: 2 years: +0 %: 15 mins: Summer		-1.200	1.022	2.222	5.2			0.0	0.000	OK
RWP09	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.122	0.017	1.2	0.000	0.000	1.2	0.527	OK
OU1	FEH: 2 years: +0 %: 15 mins: Summer	35.17 0	34.67 0	34.678	0.008	0.4	0.000	0.000	0.4	0.195	OK
S16	FEH: 2 years: +0 %: 15 mins: Summer	35.16 2	34.44 0	34.467	0.027	0.6	0.004	0.000	0.6	0.255	OK
Simple Junction (10)	FEH: 2 years: +0 %: 15 mins: Winter		34.44 0	34.472	0.032	0.1			0.0	0.025	OK
S14	FEH: 2 years: +0 %: 30 mins: Summer	35.21 4	34.43 8	34.474	0.036	0.5	0.006	0.000	0.4	0.414	OK
Simple Junction (11)	FEH: 2 years: +0 %: 15 mins: Summer		33.70 3	33.731	0.028	2.3			2.2	1.066	OK
RWP11	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.122	0.017	1.6	0.000	0.000	1.6	0.698	OK
OU2	FEH: 2 years: +0 %: 15 mins: Summer	34.97 0	34.47 0	34.477	0.007	0.4	0.000	0.000	0.4	0.162	OK
Blue Roof Flow Control (1)	FEH: 2 years: +0 %: 1440 mins: Summer	37.00 0	36.80 0	36.827	0.027	0.7	0.000	0.000	0.7	31.474	Flood Risk
Blue Roof Flow Control (2)	FEH: 2 years: +0 %: 1440 mins: Summer	37.00 0	36.80 0	36.828	0.028	0.7	0.000	0.000	0.7	31.972	Flood Risk
RWP06	FEH: 2 years: +0 %: 15 mins: Summer	34.98 0	34.10 5	34.107	0.002	0.3	0.000	0.000	0.3	0.141	OK

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Report Details: Type: Stormwater Controls Summary Storm Phase: Main SW Model		Surface Water Design:	





FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Blue Roof (2)	FEH: 100 years: +45 %: 480 mins: Summer	36.899	36.899	0.099	0.099	12.8	62.062	0.000	0.000	3.1	77.151	1.390	OK
Hydrorock (1)	FEH: 100 years: +45 %: 60 mins: Summer	33.842	33.842	0.302	0.302	4.9	4.816	0.000	0.000	0.8	8.824	39.650	OK
Hydrorock (2)	FEH: 100 years: +45 %: 60 mins: Summer	33.842	33.842	0.322	0.322	6.2	3.529	0.000	0.000	1.3	12.039	35.510	OK
Hydrorock (3)	FEH: 100 years: +45 %: 60 mins: Summer	33.845	33.845	0.325	0.325	9.1	5.328	0.000	0.000	9.3	43.817	35.089	OK
Hydrorock (4)	FEH: 100 years: +45 %: 60 mins: Summer	33.846	33.846	0.266	0.266	13.0	6.072	0.000	0.000	9.0	45.389	46.739	OK
Hydrorock (5)	FEH: 100 years: +45 %: 60 mins: Summer	33.848	33.848	0.228	0.228	11.5	4.997	0.000	0.000	6.2	27.452	54.341	OK
Hydrorock (6)	FEH: 100 years: +45 %: 60 mins: Summer	33.849	33.849	0.179	0.179	13.9	2.453	0.000	0.000	10.6	28.031	64.134	OK
Hydrorock (7)	FEH: 100 years: +45 %: 60 mins: Summer	33.851	33.851	0.131	0.131	9.4	0.538	0.000	0.000	9.1	11.614	73.785	OK
Blue Roof (1)	FEH: 100 years: +45 %: 480 mins: Summer	36.900	36.900	0.100	0.100	13.0	63.245	0.308	0.000	3.1	77.558	-0.490	Flood

The blue roof is a single blue roof that has been split into two areas for modelling purposes. The section showing as slightly overcapacity in blue roof (1) will be balanced by the section in blue roof (2) that is slightly under capacity.

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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Blue Roof (2)	FEH: 30 years: +0 %: 960 mins: Summer	36.857	36.857	0.057	0.057	4.2	35.664	0.000	0.000	1.5	52.623	43.333	OK
Hydrorock (1)	FEH: 30 years: +0 %: 60 mins: Summer	33.700	33.700	0.160	0.160	3.9	2.558	0.000	0.000	0.7	2.147	67.939	OK
Hydrorock (2)	FEH: 30 years: +0 %: 60 mins: Summer	33.700	33.700	0.180	0.180	4.7	1.972	0.000	0.000	1.1	5.014	63.955	OK
Hydrorock (3)	FEH: 30 years: +0 %: 60 mins: Summer	33.701	33.701	0.181	0.181	6.5	2.973	0.000	0.000	6.0	22.291	63.784	OK
Hydrorock (4)	FEH: 30 years: +0 %: 60 mins: Summer	33.703	33.703	0.123	0.123	10.1	2.798	0.000	0.000	6.1	22.655	75.458	OK
Hydrorock (5)	FEH: 30 years: +0 %: 60 mins: Summer	33.705	33.705	0.085	0.085	7.3	1.863	0.000	0.000	6.2	13.397	82.978	OK
Hydrorock (6)	FEH: 30 years: +0 %: 30 mins: Summer	33.737	33.737	0.067	0.067	8.1	0.919	0.000	0.000	7.9	8.132	86.557	OK
Hydrorock (7)	FEH: 30 years: +0 %: 15 mins: Summer	33.795	33.795	0.075	0.075	7.9	0.309	0.000	0.000	7.3	3.772	84.935	OK
Blue Roof (1)	FEH: 30 years: +0 %: 960 mins: Summer	36.858	36.858	0.058	0.058	4.3	36.764	0.000	0.000	1.6	52.508	41.585	OK

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Report Details: Type: Stormwater Controls Summary Storm Phase: Main SW Model		Surface Water Design:	





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

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
Blue Roof (2)	FEH: 2 years: +0 %: 1440 mins: Summer	36.835	36.835	0.035	0.035	1.7	22.211	0.000	0.000	0.7	31.976	64.709	OK
Hydrorock (1)	FEH: 2 years: +0 %: 120 mins: Summer	33.614	33.614	0.074	0.074	1.2	1.184	0.000	0.000	0.4	1.366	85.158	OK
Hydrorock (2)	FEH: 2 years: +0 %: 120 mins: Summer	33.614	33.614	0.094	0.094	1.6	1.030	0.000	0.000	0.7	2.891	81.180	OK
Hydrorock (3)	FEH: 2 years: +0 %: 120 mins: Summer	33.615	33.615	0.095	0.095	3.5	1.559	0.000	0.000	2.8	13.258	81.011	OK
Hydrorock (4)	FEH: 2 years: +0 %: 120 mins: Summer	33.617	33.617	0.037	0.037	3.5	0.835	0.000	0.000	3.3	13.283	92.673	OK
Hydrorock (5)	FEH: 2 years: +0 %: 15 mins: Summer	33.659	33.659	0.039	0.039	3.4	0.855	0.000	0.000	3.2	2.075	92.186	OK
Hydrorock (6)	FEH: 2 years: +0 %: 30 mins: Summer	33.712	33.712	0.042	0.042	3.6	0.581	0.000	0.000	3.5	3.035	91.511	OK
Hydrorock (7)	FEH: 2 years: +0 %: 15 mins: Summer	33.765	33.765	0.045	0.045	3.4	0.184	0.000	0.000	3.0	1.675	91.038	OK
Blue Roof (1)	FEH: 2 years: +0 %: 1440 mins: Summer	36.837	36.837	0.037	0.037	1.8	23.165	0.000	0.000	0.7	31.479	63.194	OK

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Report Details: Type: Connections Summary Storm Phase: Main SW Model		Surface Water Design:	





FEH: 100 years: Increase Rainfall (%): +45: 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
S14.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (10)	S14	0.100	34.513	0.074	0.000	0.0	0.03	0.1	OK
S13.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S15	S11	35.214	34.445	0.100	6.784	1.9	0.44	14.7	OK
S19.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP07	Simple Junction	34.980	34.122	0.066	0.923	0.4	0.08	2.1	OK
S13.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S16	S15	35.162	34.494	0.050	1.068	0.5	0.25	2.4	OK
S14.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S14	S15	35.214	34.513	0.060	1.187	0.3	0.42	2.0	OK
S15.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP02	S11	34.980	34.135	0.100	2.029	0.6	0.21	4.6	OK
S1.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	OU3	S01	34.820	34.357	0.043	1.895	1.0	0.13	4.3	OK
S1.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S01	S02	35.290	33.993	0.052	1.893	0.6	0.1	4.2	OK
S1.002	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S02	S03	35.250	33.927	0.074	2.555	0.5	0.13	5.5	OK
S1.003	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S03	Hydrorock (7)	35.252	33.901	0.104	6.477	0.8	0.31	13.7	OK
S1.005	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S04	Hydrorock (6)	35.290	33.817	0.104	10.129	1.0	0.41	18.2	OK
S1.008	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S07	Hydrorock (4)	35.290	33.773	0.186	13.265	1.2	0.3	17.5	OK
S1.011	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S11	EXC07	35.290	33.769	0.035	12.629	2.6	0.04	10.0	Surcharged
S1.012	FEH: 100 years: +45 %: 360 mins: Summer	Pipe	EXC07	Simple Junction (9)	35.380	32.520	0.040	194.137	2.1	0.07	10.0	OK

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S20.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S08	RE01	35.220	34.135	0.104	5.070	0.9	0.78	11.3	OK
S20.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RE01	Simple Junction	34.980	34.007	0.119	5.067	0.5	0.47	11.0	OK
S19.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction	Simple Junction (1)	0.100	33.997	0.125	5.988	0.6	0.28	12.9	OK
S16.002	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S10	Hydroroc k (1)	35.179	33.769	0.128	0.787	1.0	0.01	1.8	OK
S6.002	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	RWP13	Simple Junction (13)	34.980	34.158	0.054	77.508	0.7	0.52	3.1	OK
S10.002	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	RWP18	S05	34.980	34.147	0.045	77.104	0.9	0.36	3.1	OK
S10.003	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S05	S06	34.980	33.922	0.048	14.604	0.7	0.19	3.3	OK
S10.004	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	S06	Simple Junction (12)	34.980	33.897	0.072	14.562	0.7	0.19	3.3	OK
S6.003	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Simple Junction (13)	Simple Junction (14)	0.100	34.045	0.054	77.487	0.7	0.52	3.1	OK
S7.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP12	Simple Junction (13)	34.980	34.105	0.017	0.000	0.0	0	0.0	OK
S6.004	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Simple Junction (14)	Simple Junction (15)	0.100	33.977	0.044	77.259	0.9	0.52	3.1	OK
S8.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP14	Simple Junction (14)	34.980	34.105	0.100	0.000	0.0	0	0.0	OK
S6.005	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (15)	S04	0.100	33.932	0.077	3.363	0.8	0.39	4.9	OK
S9.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP01	Simple Junction (15)	34.980	34.140	0.039	2.237	1.8	0.2	5.1	OK
S3.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP04	S03	34.980	34.139	0.064	1.093	0.5	0.26	2.5	OK
S4.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP05	Simple Junction (16)	34.980	34.105	0.041	0.000	0.0	0	0.0	OK
S4.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (16)	S03	0.100	33.937	0.088	2.826	0.8	0.65	6.2	OK

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S5.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP10	Simple Junction (16)	34.980	34.148	0.063	2.828	1.2	0.32	6.4	OK
S10.005	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Simple Junction (12)	Simple Junction (11)	0.100	33.852	0.126	14.519	0.8	0.19	3.3	OK
S11.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP19	Simple Junction (12)	34.980	34.105	0.023	0.000	0.0	0	0.0	OK
S19.002	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (1)	Simple Junction (2)	0.100	33.987	0.128	5.984	0.5	0.37	12.6	OK
S21.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP15	Simple Junction (1)	34.980	34.105	0.065	0.000	0.0	0	0.0	OK
S19.003	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (2)	Simple Junction (3)	0.100	33.976	0.121	7.247	0.7	0.36	15.2	OK
S22.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP08	Simple Junction (2)	34.980	34.133	0.076	1.268	0.4	0.18	2.9	OK
S19.004	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (3)	Simple Junction (5)	0.100	33.958	0.112	7.922	0.8	0.39	16.5	OK
S23.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP03	Simple Junction (3)	34.980	34.120	0.066	0.680	0.3	0.06	1.5	OK
S19.005	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (5)	Simple Junction (7)	0.100	33.929	0.102	7.915	0.9	0.4	16.0	OK
S24.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP16	Simple Junction (5)	34.980	34.105	0.054	0.000	0.0	0	0.0	OK
S18.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP17	Simple Junction (7)	34.980	34.105	0.000	0.000	0.0	0	0.0	OK
S16.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (7)	S10	34.800	7.951	0.015	0.000	0.0	0	0.0	OK
S16.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP09	Simple Junction (7)	34.980	34.141	0.034	2.165	2.1	0.23	4.9	OK
S25.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	OU1	S10	35.170	34.686	0.016	0.803	2.3	0.05	1.8	OK
S10.006	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (11)	S07	0.100	33.773	0.125	5.594	0.9	0.29	9.3	OK
S12.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP11	Simple Junction (11)	34.980	34.141	0.052	2.849	1.6	0.26	6.5	OK

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S2.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	OU2	S02	34.970	34.484	0.034	0.666	0.6	0.04	1.5	OK
S6.000	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Blue Roof (1)	Blue Roof Flow Control (1)	36.900	36.900	0.099	77.558	0.2	0.06	3.1	Flood
S6.001	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Blue Roof Flow Control (1)	RWP13	37.000	36.898	0.035	77.529	1.3	0.07	3.1	Flood Risk
S10.001	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Blue Roof Flow Control (2)	RWP18	37.000	36.897	0.030	77.121	1.5	0.07	3.1	Flood Risk
S10.000	FEH: 100 years: +45 %: 480 mins: Summer	Pipe	Blue Roof (2)	Blue Roof Flow Control (2)	36.900	36.899	0.098	77.151	0.2	0.06	3.1	OK
S16.003	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Hydrorock (1)	Hydrorock (2)	34.040	33.769	0.225	0.001	0.0	0.04	1.1	Surcharged
S16.004	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Hydrorock (2)	S11	34.020	33.769	0.225	0.000	0.0	0.04	1.7	Surcharged
S1.004	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Hydrorock (7)	S04	34.220	33.832	0.112	6.826	0.7	0.23	13.7	OK
S1.006	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Hydrorock (6)	Hydrorock (5)	34.170	33.775	0.129	9.807	1.1	0.32	16.2	OK
S1.007	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Hydrorock (5)	S07	34.120	33.773	0.166	7.851	0.6	0.11	8.8	OK
S1.009	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Hydrorock (4)	Hydrorock (3)	34.080	33.846	0.225	45.389	0.5	0.09	9.0	Surcharged
S1.010	FEH: 100 years: +45 %: 60 mins: Summer	Pipe	Hydrorock (3)	S11	34.020	33.845	0.225	43.582	0.2	0.14	9.3	Surcharged
S17.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	RWP06	Simple Junction (7)	34.980	34.110	0.100	0.591	0.2	0.01	1.4	OK

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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
S14.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (10)	S14	0.100	34.490	0.051	0.000	0.0	0.02	0.1	OK
S13.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S15	S11	35.214	34.432	0.089	3.692	1.5	0.23	7.7	OK
S19.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP07	Simple Junction	34.980	34.118	0.043	0.506	0.4	0.04	1.2	OK
S13.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S16	S15	35.162	34.480	0.036	0.582	0.4	0.14	1.3	OK
S14.001	FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S14	S15	35.214	34.493	0.041	0.874	0.2	0.2	1.0	OK
S15.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP02	S11	34.980	34.127	0.086	1.109	0.5	0.11	2.5	OK
S1.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	OU3	S01	34.820	34.347	0.032	1.037	0.9	0.07	2.4	OK
S1.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S01	S02	35.290	33.979	0.038	1.035	0.5	0.05	2.3	OK
S1.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S02	S03	35.250	33.913	0.053	1.398	0.4	0.07	3.0	OK
S1.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S03	Hydrorock (7)	35.252	33.872	0.071	3.540	0.7	0.17	7.4	OK
S1.005	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S04	Hydrorock (6)	35.290	33.782	0.071	5.077	0.9	0.22	9.7	OK
S1.008	FEH: 30 years: +0 %: 30 mins: Summer	Pipe	S07	Hydrorock (4)	35.290	33.695	0.107	12.988	1.1	0.18	10.8	OK
S1.011	FEH: 30 years: +0 %: 60 mins: Summer	Pipe	S11	EXC07	35.290	33.700	0.032	30.550	2.4	0.03	8.3	OK
S1.012	FEH: 30 years: +0 %: 60 mins: Summer	Pipe	EXC07	Simple Junction (9)	35.380	32.517	0.036	30.510	2.0	0.06	8.3	OK

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S20.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S08	RE01	35.220	34.098	0.071	2.773	0.8	0.43	6.2	OK
S20.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RE01	Simple Junction	34.980	33.966	0.078	2.770	0.5	0.26	6.0	OK
S19.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction	Simple Junction (1)	0.100	33.956	0.084	3.273	0.5	0.15	7.0	OK
S16.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S10	Hydrorock (1)	35.179	33.754	0.066	0.443	1.0	0.01	1.0	OK
S6.002	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	RWP13	Simple Junction (13)	34.980	34.141	0.036	52.486	0.6	0.26	1.6	OK
S10.002	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	RWP18	S05	34.980	34.134	0.031	52.603	0.7	0.18	1.5	OK
S10.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S05	S06	34.980	33.907	0.033	1.196	0.6	0.1	1.7	OK
S10.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	S06	Simple Junction (12)	34.980	33.883	0.032	1.176	0.6	0.09	1.6	OK
S6.003	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Simple Junction (13)	Simple Junction (14)	0.100	34.027	0.036	52.476	0.6	0.26	1.6	OK
S7.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP12	Simple Junction (13)	34.980	34.105	0.009	0.000	0.0	0	0.0	OK
S6.004	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Simple Junction (14)	Simple Junction (15)	0.100	33.960	0.031	52.259	0.8	0.26	1.6	OK
S8.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP14	Simple Junction (14)	34.980	34.105	0.098	0.000	0.0	0	0.0	OK
S6.005	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (15)	S04	0.100	33.921	0.054	1.326	0.6	0.22	2.7	OK
S9.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP01	Simple Junction (15)	34.980	34.130	0.028	1.223	1.5	0.11	2.8	OK
S3.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP04	S03	34.980	34.130	0.046	0.602	0.4	0.14	1.3	OK
S4.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP05	Simple Junction (16)	34.980	34.105	0.026	0.000	0.0	0	0.0	OK
S4.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (16)	S03	0.100	33.908	0.060	1.542	0.7	0.36	3.4	OK

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S5.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP10	Simple Junction (16)	34.980	34.134	0.041	1.544	1.2	0.18	3.5	OK
S10.005	FEH: 30 years: +0 %: 480 mins: Summer	Pipe	Simple Junction (12)	Simple Junction (11)	0.100	33.779	0.028	39.664	0.7	0.09	1.6	OK
S11.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP19	Simple Junction (12)	34.980	34.105	0.016	0.000	0.0	0	0.0	OK
S19.002	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (1)	Simple Junction (2)	0.100	33.945	0.087	3.269	0.5	0.2	6.8	OK
S21.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP15	Simple Junction (1)	34.980	34.105	0.044	0.000	0.0	0	0.0	OK
S19.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (2)	Simple Junction (3)	0.100	33.936	0.083	3.960	0.6	0.19	8.2	OK
S22.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP08	Simple Junction (2)	34.980	34.125	0.053	0.695	0.4	0.1	1.6	OK
S19.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (3)	Simple Junction (5)	0.100	33.922	0.078	4.326	0.7	0.21	8.9	OK
S23.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP03	Simple Junction (3)	34.980	34.116	0.046	0.371	0.2	0.03	0.8	OK
S19.005	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (5)	Simple Junction (7)	0.100	33.897	0.072	4.319	0.8	0.21	8.5	OK
S24.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP16	Simple Junction (5)	34.980	34.105	0.038	0.000	0.0	0	0.0	OK
S18.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP17	Simple Junction (7)	34.980	34.105	0.000	0.000	0.0	0	0.0	OK
S16.001	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (7)	S10	34.800	3.793	0.006	0.000	0.0	0	0.0	OK
S16.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP09	Simple Junction (7)	34.980	34.131	0.025	1.184	1.8	0.12	2.7	OK
S25.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	OU1	S10	35.170	34.682	0.012	0.444	1.9	0.03	1.0	OK
S10.006	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (11)	S07	0.100	33.747	0.055	2.700	0.9	0.16	5.0	OK
S12.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP11	Simple Junction (11)	34.980	34.131	0.035	1.559	1.4	0.14	3.6	OK

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S2.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	OU2	S02	34.970	34.480	0.025	0.366	0.5	0.02	0.8	OK
S6.000	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Blue Roof (1)	Blue Roof Flow Control (1)	36.900	36.858	0.056	52.508	0.2	0.03	1.6	OK
S6.001	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Blue Roof Flow Control (1)	RWP13	37.000	36.853	0.024	52.497	1.1	0.03	1.6	Flood Risk
S10.001	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Blue Roof Flow Control (2)	RWP18	37.000	36.853	0.021	52.612	1.3	0.04	1.5	Flood Risk
S10.000	FEH: 30 years: +0 %: 960 mins: Summer	Pipe	Blue Roof (2)	Blue Roof Flow Control (2)	36.900	36.857	0.055	52.623	0.2	0.03	1.5	OK
S16.003	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (1)	Hydrorock (2)	34.040	33.669	0.139	0.000	0.0	0.03	0.9	OK
S16.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (2)	S11	34.020	33.669	0.159	0.000	0.1	0.04	1.5	OK
S1.004	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (7)	S04	34.220	33.795	0.076	3.772	0.6	0.12	7.3	OK
S1.006	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (6)	Hydrorock (5)	34.170	33.735	0.067	5.217	1.2	0.16	8.3	OK
S1.007	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (5)	S07	34.120	33.692	0.079	5.061	0.6	0.1	7.9	OK
S1.009	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	Hydrorock (4)	Hydrorock (3)	34.080	33.671	0.120	6.764	0.6	0.07	7.4	OK
S1.010	FEH: 30 years: +0 %: 60 mins: Summer	Pipe	Hydrorock (3)	S11	34.020	33.701	0.191	22.132	0.2	0.09	6.0	OK
S17.000	FEH: 30 years: +0 %: 15 mins: Summer	Pipe	RWP06	Simple Junction (7)	34.980	34.108	0.100	0.327	0.1	0	0.7	OK

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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
S14.000	FEH: 2 years: +0 %: 15 mins: Winter	Pipe	Simple Junction (10)	S14	0.100	34.472	0.033	0.000	0.0	0.01	0.0	OK
S13.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S15	S11	35.214	34.421	0.049	1.633	1.1	0.1	3.3	OK
S19.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP07	Simple Junction	34.980	34.114	0.025	0.227	0.3	0.02	0.5	OK
S13.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S16	S15	35.162	34.467	0.024	0.255	0.3	0.06	0.6	OK
S14.001	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	S14	S15	35.214	34.474	0.027	0.374	0.2	0.08	0.4	OK
S15.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP02	S11	34.980	34.120	0.047	0.494	0.4	0.05	1.1	OK
S1.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	OU3	S01	34.820	34.338	0.021	0.464	0.7	0.03	1.0	OK
S1.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S01	S02	35.290	33.967	0.025	0.462	0.4	0.02	1.0	OK
S1.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S02	S03	35.250	33.900	0.035	0.621	0.3	0.03	1.3	OK
S1.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S03	Hydrorock (7)	35.252	33.849	0.044	1.581	0.6	0.07	3.2	OK
S1.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S04	Hydrorock (6)	35.290	33.753	0.042	2.213	0.8	0.09	4.1	OK
S1.008	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S07	Hydrorock (4)	35.290	33.638	0.040	3.120	1.0	0.07	4.1	OK
S1.011	FEH: 2 years: +0 %: 120 mins: Summer	Pipe	S11	EXC07	35.290	33.614	0.022	18.688	2.0	0.01	4.0	OK
S1.012	FEH: 2 years: +0 %: 120 mins: Summer	Pipe	EXC07	Simple Junction (9)	35.380	32.506	0.025	18.669	1.6	0.03	4.0	OK
S20.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S08	RE01	35.220	34.071	0.045	1.243	0.6	0.19	2.8	OK
S20.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RE01	Simple Junction	34.980	33.933	0.045	1.240	0.5	0.11	2.7	OK
S19.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction	Simple Junction (1)	0.100	33.924	0.051	1.464	0.5	0.07	3.1	OK
S16.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S10	Hydrorock (1)	35.179	33.751	0.027	0.194	0.8	0	0.4	OK
S6.002	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	RWP13	Simple Junction (13)	34.980	34.128	0.024	31.466	0.5	0.12	0.7	OK

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S10.002	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	RWP18	S05	34.980	34.125	0.021	31.964	0.6	0.08	0.7	OK
S10.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S05	S06	34.980	33.895	0.022	0.390	0.5	0.04	0.8	OK
S10.004	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	S06	Simple Junction (12)	34.980	33.872	0.022	33.597	0.5	0.04	0.7	OK
S6.003	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Simple Junction (13)	Simple Junction (14)	0.100	34.015	0.024	31.459	0.5	0.12	0.7	OK
S7.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP12	Simple Junction (13)	34.980	34.105	0.004	0.000	0.0	0	0.0	OK
S6.004	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Simple Junction (14)	Simple Junction (15)	0.100	33.948	0.020	31.245	0.6	0.12	0.7	OK
S8.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP14	Simple Junction (14)	34.980	34.105	0.015	0.000	0.0	0	0.0	OK
S6.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (15)	S04	0.100	33.910	0.034	0.544	0.5	0.09	1.2	OK
S9.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP01	Simple Junction (15)	34.980	34.121	0.018	0.545	1.3	0.05	1.2	OK
S3.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP04	S03	34.980	34.122	0.030	0.269	0.3	0.06	0.6	OK
S4.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP05	Simple Junction (16)	34.980	34.105	0.015	0.000	0.0	0	0.0	OK
S4.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (16)	S03	0.100	33.886	0.037	0.693	0.6	0.16	1.5	OK
S5.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP10	Simple Junction (16)	34.980	34.124	0.025	0.695	1.0	0.08	1.6	OK
S10.005	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Simple Junction (12)	Simple Junction (11)	0.100	33.769	0.019	33.590	0.6	0.04	0.7	OK
S11.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP19	Simple Junction (12)	34.980	34.105	0.010	0.000	0.0	0	0.0	OK
S19.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (1)	Simple Junction (2)	0.100	33.911	0.053	1.461	0.4	0.09	3.0	OK
S21.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP15	Simple Junction (1)	34.980	34.105	0.027	0.000	0.0	0	0.0	OK
S19.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (2)	Simple Junction (3)	0.100	33.903	0.052	1.768	0.5	0.08	3.6	OK
S22.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP08	Simple Junction (2)	34.980	34.119	0.033	0.311	0.3	0.04	0.7	OK
S19.004	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (3)	Simple Junction (5)	0.100	33.892	0.049	1.934	0.6	0.09	3.8	OK
S23.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP03	Simple Junction (3)	34.980	34.113	0.029	0.170	0.3	0.01	0.4	OK
S19.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (5)	Simple Junction (7)	0.100	33.870	0.047	1.926	0.6	0.09	3.6	OK
S24.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP16	Simple Junction (5)	34.980	34.105	0.024	0.000	0.0	0	0.0	OK

CASICD:	Date: 23/02/2026			
	Designed by: JLW	Checked by: AS	Approved By:	
Report Details:	Surface Water Design:			
Type: Connections Summary Storm Phase: Main SW Model				

S18.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP17	Simple Junction (7)	34.980	34.105	0.000	0.000	0.0	0	0.0	OK
S16.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (7)	S10	34.800	1.022	0.004	0.000	0.0	0	0.0	OK
S16.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP09	Simple Junction (7)	34.980	34.122	0.016	0.527	1.4	0.06	1.2	OK
S25.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	OU1	S10	35.170	34.678	0.008	0.195	1.4	0.01	0.4	OK
S10.006	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (11)	S07	0.100	33.731	0.030	1.066	0.9	0.07	2.2	OK
S12.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP11	Simple Junction (11)	34.980	34.122	0.023	0.698	1.2	0.06	1.6	OK
S2.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	OU2	S02	34.970	34.477	0.017	0.162	0.4	0.01	0.4	OK
S6.000	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Blue Roof (1)	Blue Roof Flow Control (1)	36.900	36.837	0.032	31.479	0.2	0.01	0.7	OK
S6.001	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Blue Roof Flow Control (1)	RWP13	37.000	36.827	0.016	31.472	0.9	0.02	0.7	Flood Risk
S10.001	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Blue Roof Flow Control (2)	RWP18	37.000	36.828	0.014	31.969	1.0	0.02	0.7	Flood Risk
S10.000	FEH: 2 years: +0 %: 1440 mins: Summer	Pipe	Blue Roof (2)	Blue Roof Flow Control (2)	36.900	36.835	0.032	31.976	0.2	0.01	0.7	OK
S16.003	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Hydroro ck (1)	Hydroroc k (2)	34.040	33.607	0.077	0.131	0.1	0.02	0.5	OK
S16.004	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Hydroro ck (2)	S11	34.020	33.607	0.097	0.000	0.1	0.02	0.9	OK
S1.004	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Hydroro ck (7)	S04	34.220	33.765	0.046	1.675	0.5	0.05	3.0	OK
S1.006	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Hydroro ck (6)	Hydroroc k (5)	34.170	33.712	0.038	3.035	0.9	0.07	3.5	OK
S1.007	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Hydroro ck (5)	S07	34.120	33.659	0.042	2.075	0.6	0.04	3.2	OK
S1.009	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Hydroro ck (4)	Hydroroc k (3)	34.080	33.616	0.059	4.678	0.5	0.04	4.3	OK
S1.010	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Hydroro ck (3)	S11	34.020	33.608	0.098	4.236	0.2	0.06	3.7	OK
S17.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	RWP06	Simple Junction (7)	34.980	34.107	0.100	0.141	0.1	0	0.3	OK