

Project: Winners Chapel Blackley		Date: 03/04/2025			
Report Details:		Designed by: JT	Checked by:		Approved By:
Type: Connections Summary Storm Phase: Phase		Roscoe : Existing site network 2yr storm event			



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
1 -> 2	FSR (1): 100 years: +40 %: 15 mins: Summer	Pipe	MH1	MH2	106.800	106.828	0.100	17.353	1.4	1.53	11.3	Flood
2 -> 3	FSR: 2 years: +0 %: 30 mins: Winter	Pipe	MH2	MH3	106.480	106.482	0.100	17.056	1.0	2.66	8.1	Flood
3 -> 4	FSR (1): 100 years: +40 %: 120 mins: Winter	Pipe	MH3	MH4	106.340	106.398	0.100	110.496	1.4	1.17	10.9	Flood
4 -> 5	FSR (1): 100 years: +40 %: 60 mins: Winter	Pipe	MH4	MH5	106.240	106.271	0.100	84.627	2.1	2.92	16.8	Flood
5 -> 6	FSR (1): 100 years: +40 %: 30 mins: Summer	Pipe	MH5	MH6	106.190	106.198	0.150	89.390	2.3	1.73	41.3	Flood
6 -> 18	FSR (1): 100 years: +40 %: 30 mins: Winter	Pipe	MH6	MH18	104.700	104.766	0.150	135.564	3.0	1.12	53.1	Flood
18 -> 18A	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	MH18	MH18A	105.920	104.833	0.225	91.681	2.0	1.26	78.0	Surcharged
18A -> 18B	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	MH18A	MH18B	104.650	104.653	0.225	153.515	3.3	2.24	133.0	Flood
18B -> Outfall	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	MH18B	Outfall	102.000	101.020	0.225	162.706	3.8	2.48	150.9	Surcharged
21 -> 20	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	MH21	MH20	106.930	106.931	0.150	23.537	2.0	1.33	36.0	Flood
20 -> 19	FSR (1): 100 years: +40 %: 30 mins: Winter	Pipe	MH20	MH19	106.740	106.368	0.150	47.146	2.7	0.88	47.9	Surcharged
19 -> 18	FSR (1): 100 years: +40 %: 15 mins: Summer	Pipe	MH19	MH18	106.200	104.981	0.225	35.246	1.4	1.09	55.2	Surcharged
9 -> 5	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	MH9	MH5	106.870	106.372	0.150	11.373	1.3	0.55	22.6	Surcharged

Project: Winners Chapel Blackley	Date: 03/04/2025		
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Report Details: Type: Phase Management Storm Phase: Phase		Roscoe : Existing site network 2yr storm event	

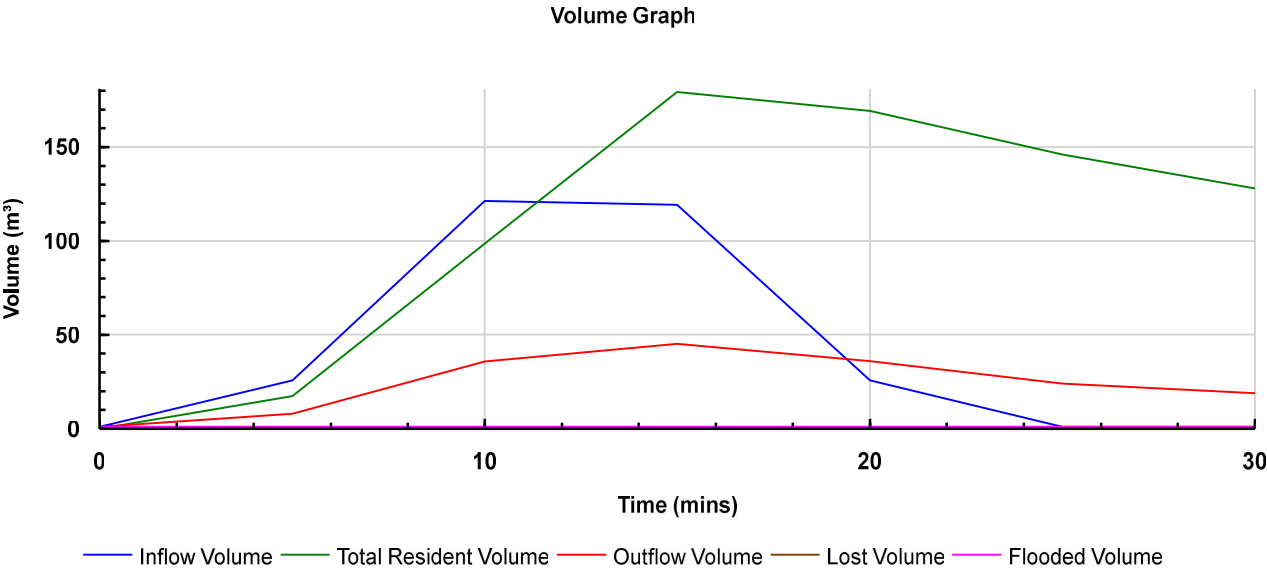
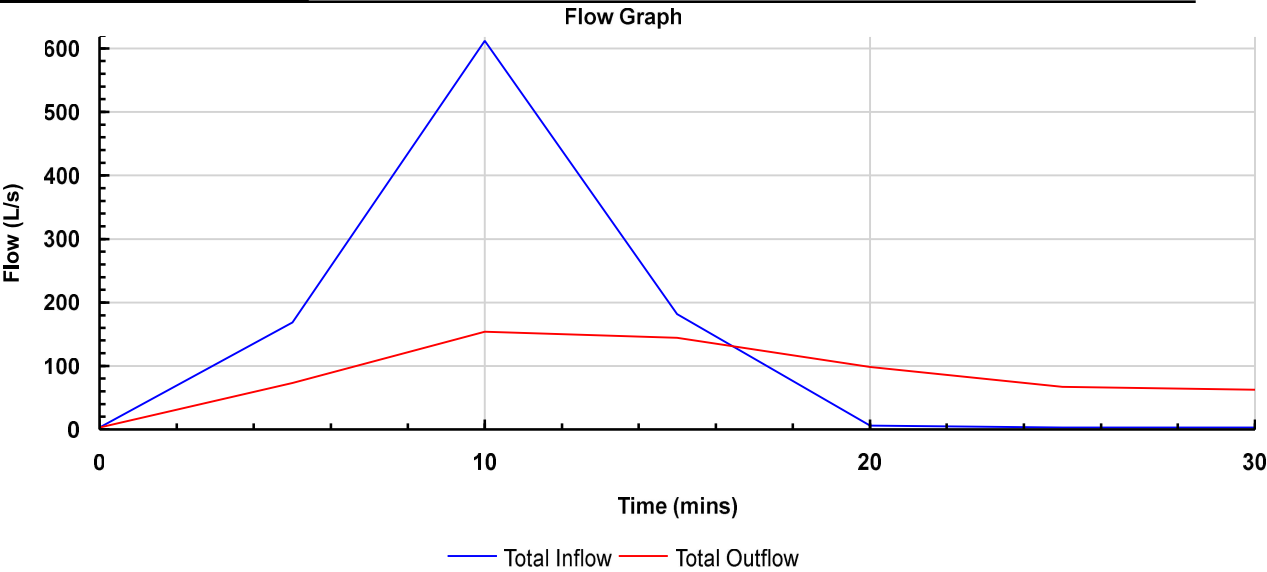


Phase
FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Tables

Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Outfall			151.4	162.706
TOTAL	611.9	289.638	151.4	162.706

Graphs



Project: Winners Chapel Blackley	Date: 03/04/2025			
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Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



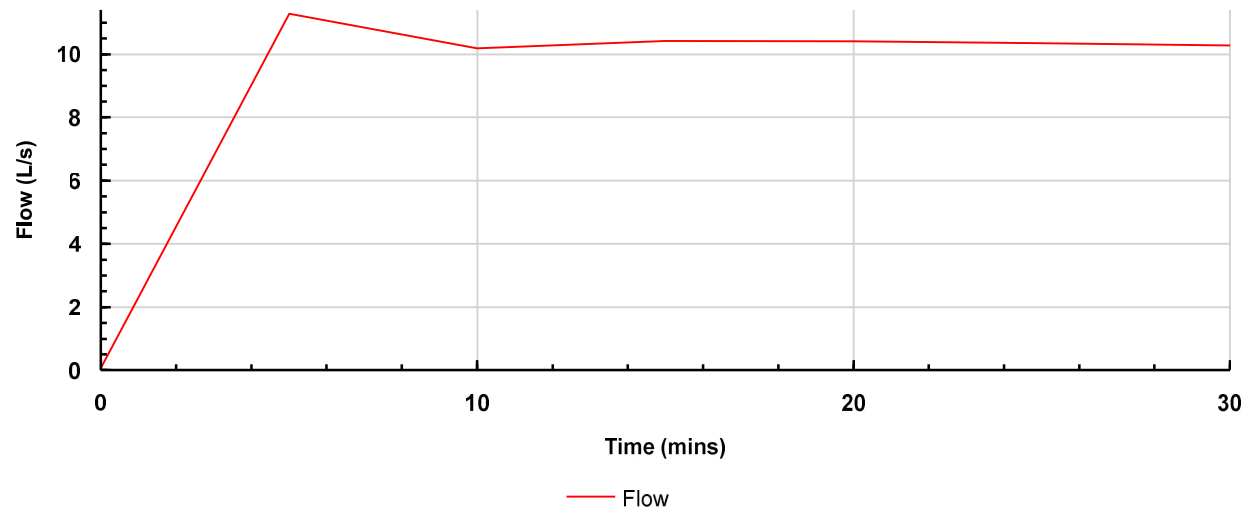
1 -> 2

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.100	11.3
10	0.100	10.2
15	0.100	10.4
20	0.100	10.4
25	0.100	10.3
30	0.100	10.3

Project: Winners Chapel Blackley	Date: 03/04/2025			
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Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

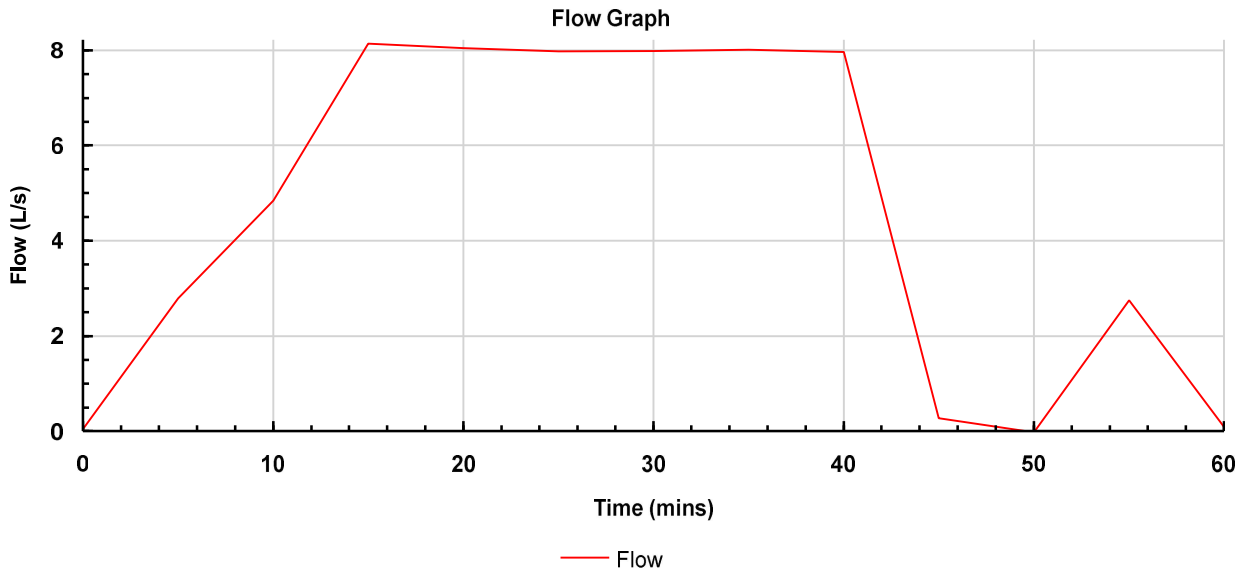


2 -> 3

Critical Storm: FSR: 2 years: Increase Rainfall (%): +0: 30 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.058	2.8
10	0.100	4.8
15	0.100	8.1
20	0.100	8.0
25	0.100	8.0
30	0.100	8.0
35	0.100	8.0
40	0.100	8.0
45	0.100	0.2
50	0.100	-0.1
55	0.058	2.7
60	0.009	0.1

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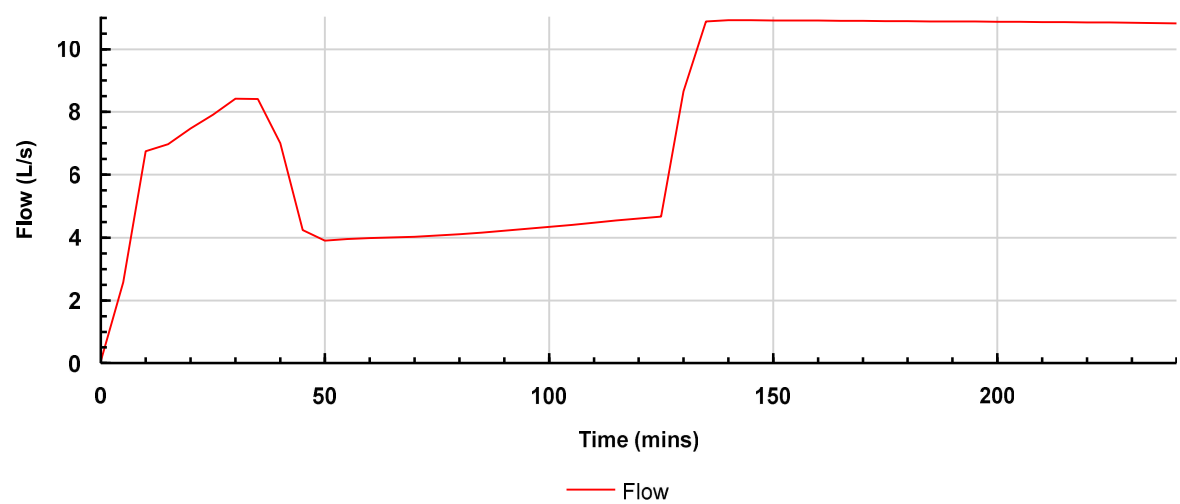
3 -> 4

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 120 mins: Winter

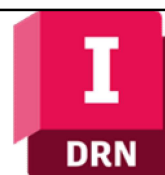
Type : Pipe

Graphs

Flow Graph



Project: Winners Chapel Blackley	Date: 03/04/2025		
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Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.045	2.5
10	0.100	6.7
15	0.100	6.9
20	0.100	7.5
25	0.100	7.9
30	0.100	8.4
35	0.100	8.4
40	0.100	7.0
45	0.100	4.2
50	0.100	3.9
55	0.100	3.9
60	0.100	3.9
65	0.100	4.0
70	0.100	4.0
75	0.100	4.0
80	0.100	4.1
85	0.100	4.1
90	0.100	4.2
95	0.100	4.2
100	0.100	4.3
105	0.100	4.4
110	0.100	4.4
115	0.100	4.5
120	0.100	4.6
125	0.100	4.6
130	0.100	8.6
135	0.100	10.9
140	0.100	10.9
145	0.100	10.9
150	0.100	10.9
155	0.100	10.9
160	0.100	10.9
165	0.100	10.9
170	0.100	10.9
175	0.100	10.9
180	0.100	10.9
185	0.100	10.9
190	0.100	10.9
195	0.100	10.9
200	0.100	10.9
205	0.100	10.9
210	0.100	10.9
215	0.100	10.9
220	0.100	10.9
225	0.100	10.9
230	0.100	10.8
235	0.100	10.8
240	0.100	10.8

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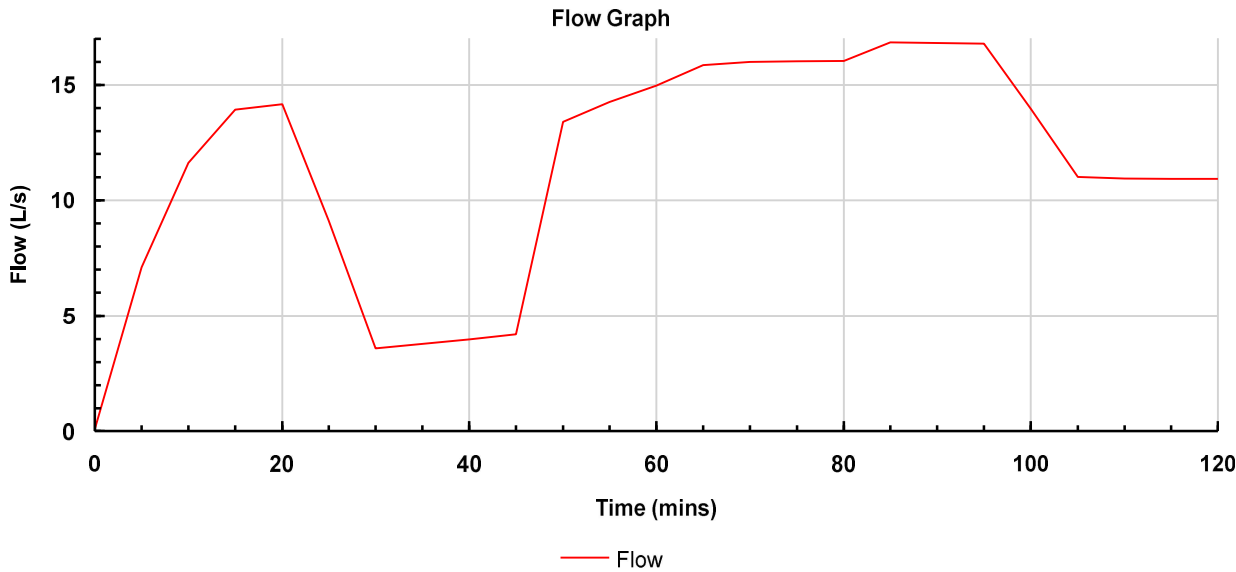


4 -> 5

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.100	7.0
10	0.100	11.6
15	0.100	13.9
20	0.100	14.2
25	0.100	9.1
30	0.100	3.5
35	0.100	3.7
40	0.100	3.9
45	0.100	4.1
50	0.100	13.4
55	0.100	14.3
60	0.100	15.0
65	0.100	15.8
70	0.100	16.0
75	0.100	16.0
80	0.100	16.0
85	0.100	16.8
90	0.100	16.8
95	0.100	16.8
100	0.100	14.0
105	0.100	11.0
110	0.100	10.9
115	0.100	10.9
120	0.100	10.9

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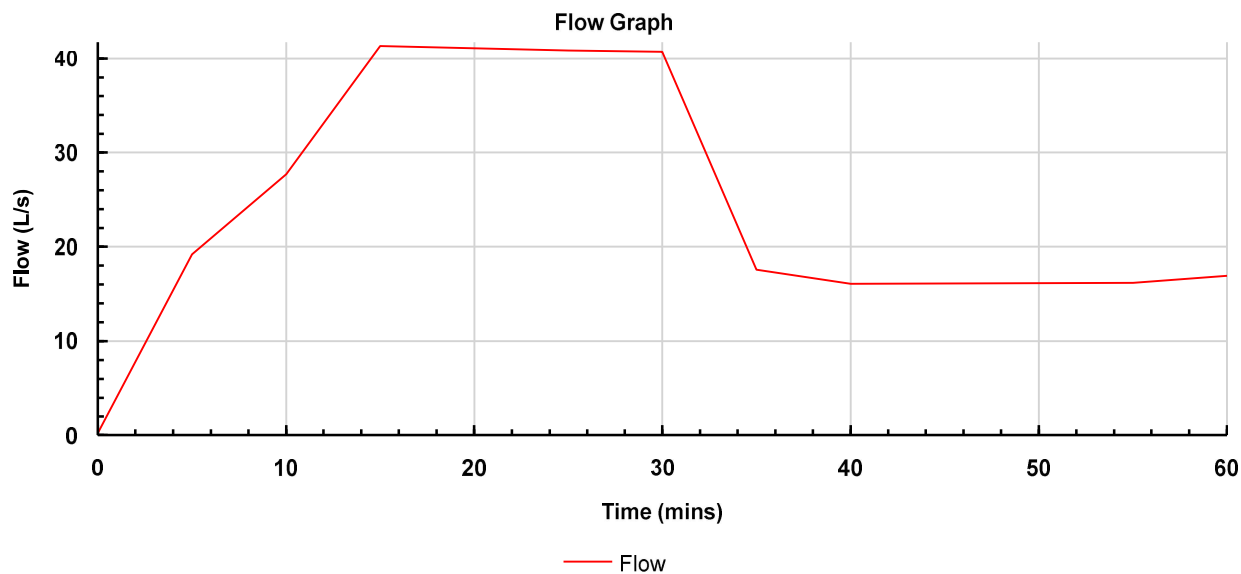


5 -> 6

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 30 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.098	19.1
10	0.150	27.6
15	0.150	41.3
20	0.150	41.1
25	0.150	40.8
30	0.150	40.7
35	0.150	17.4
40	0.150	16.0
45	0.150	16.0
50	0.150	16.0
55	0.150	16.0
60	0.083	16.8

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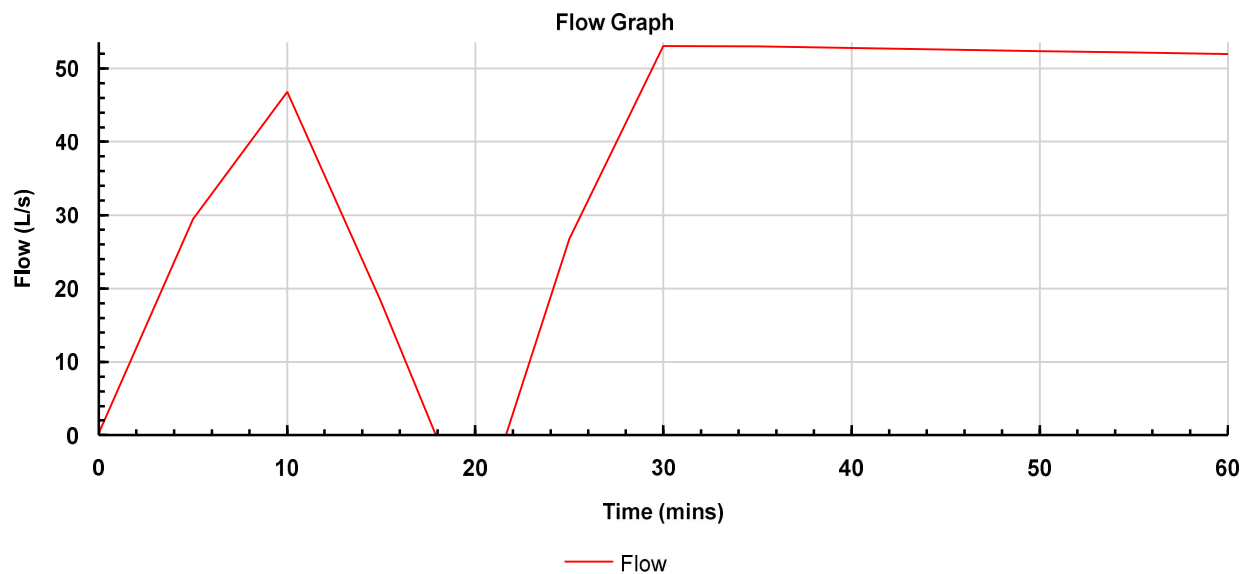


6 -> 18

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 30 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.088	29.3
10	0.150	46.8
15	0.150	18.0
20	0.150	-13.3
25	0.150	26.6
30	0.150	53.1
35	0.150	53.0
40	0.150	52.8
45	0.150	52.6
50	0.150	52.4
55	0.150	52.2
60	0.150	52.0

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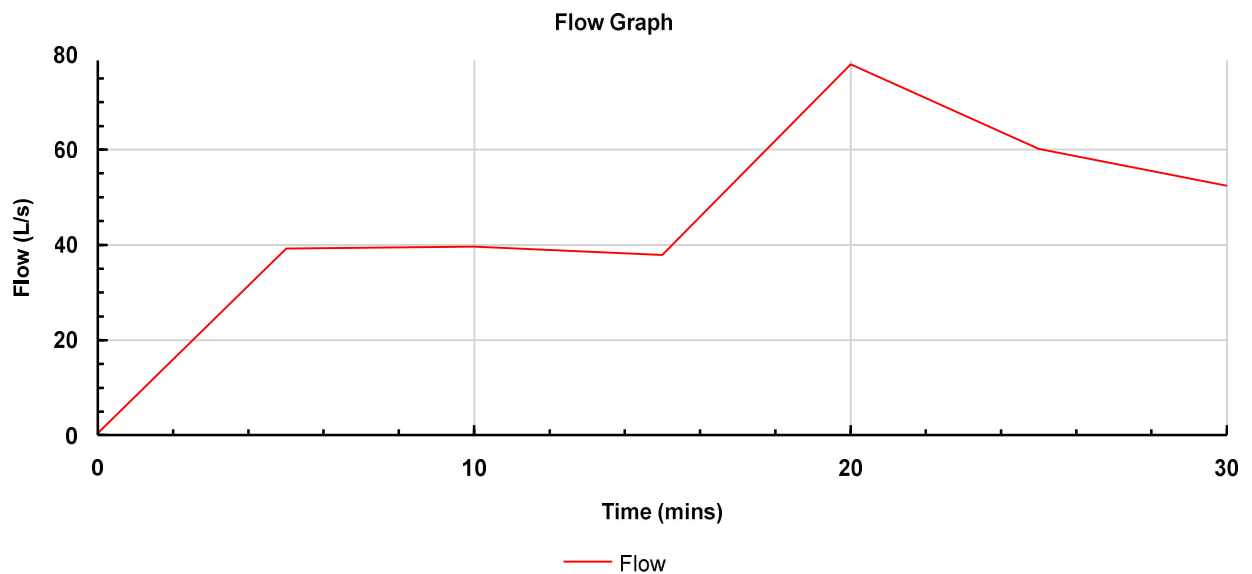


18 -> 18A

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.225	39.0
10	0.225	39.4
15	0.225	37.6
20	0.225	78.0
25	0.225	60.0
30	0.177	52.3

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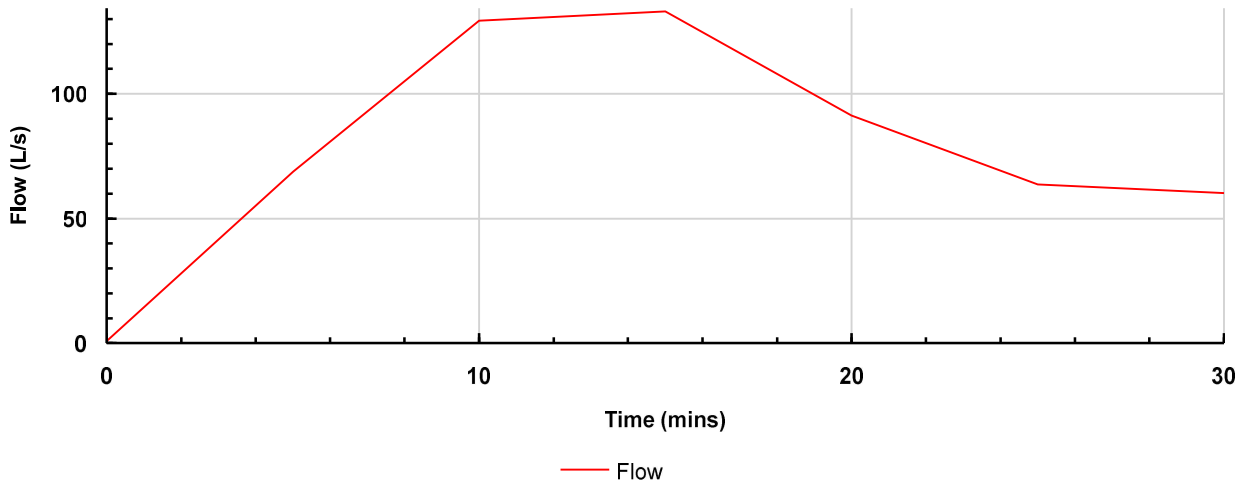
18A -> 18B

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.225	68.4
10	0.225	129.3
15	0.225	133.0
20	0.225	91.0
25	0.225	63.3
30	0.210	59.8

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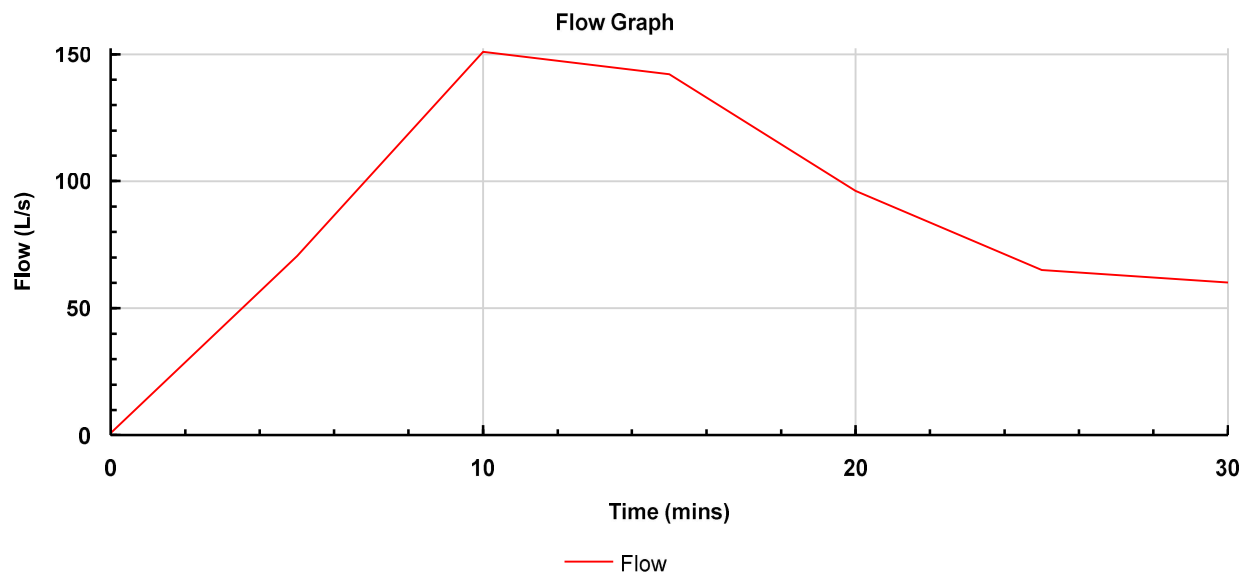


18B -> Outfall

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.225	70.2
10	0.225	150.9
15	0.225	142.1
20	0.225	95.9
25	0.225	64.6
30	0.206	59.7

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



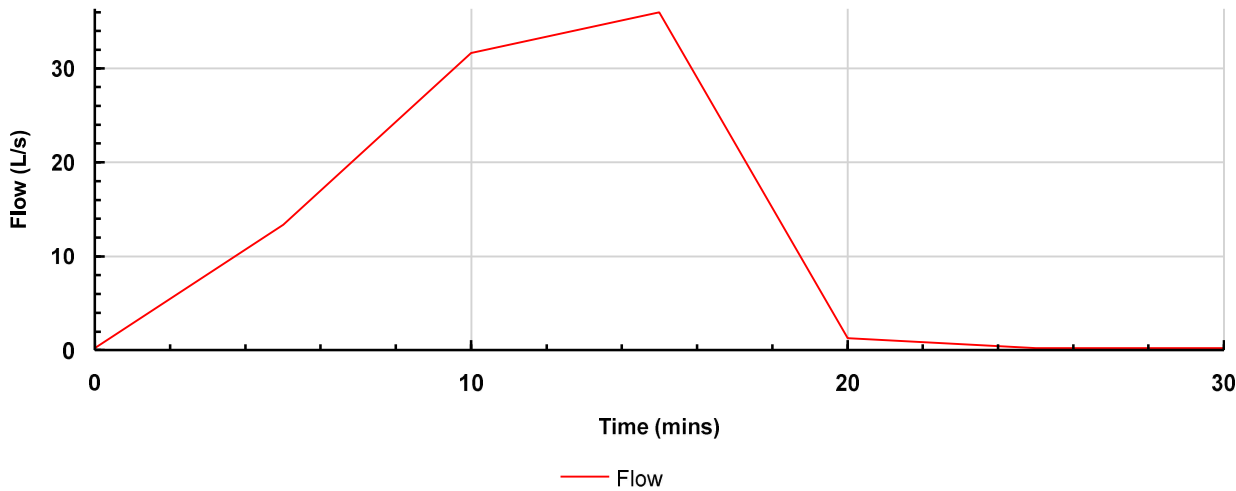
21 -> 20

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.072	13.2
10	0.150	31.6
15	0.150	36.0
20	0.020	1.1
25	0.002	0.0
30	0.001	0.0

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Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

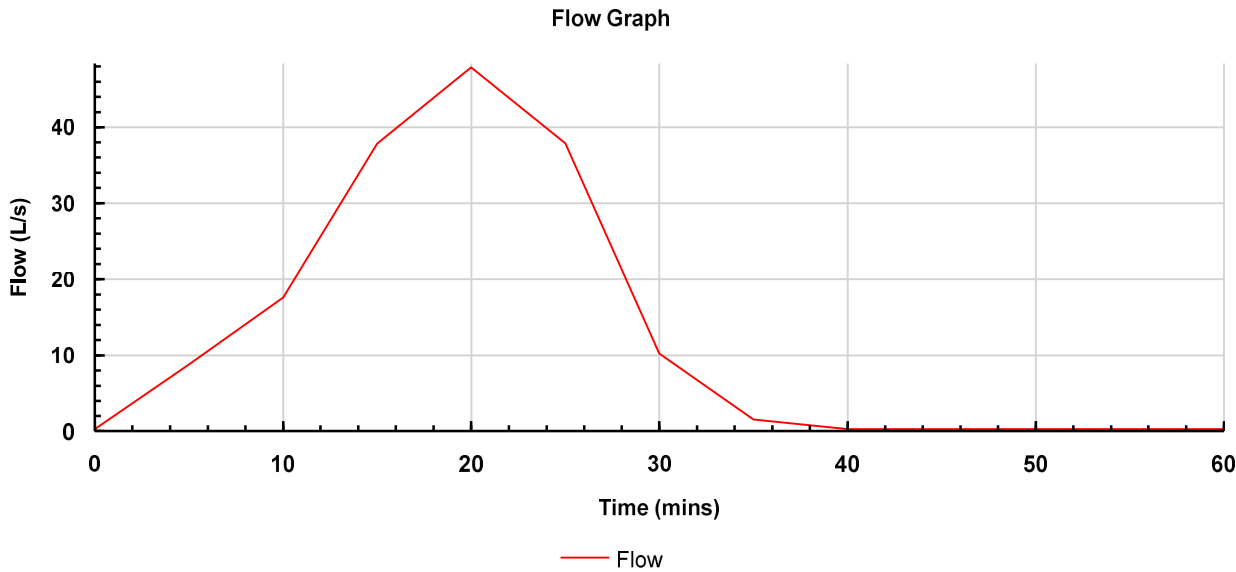


20 -> 19

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 30 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.041	8.6
10	0.059	17.5
15	0.150	37.7
20	0.150	47.9
25	0.150	37.8
30	0.044	10.0
35	0.016	1.3
40	0.003	0.0
45	0.001	0.0
50	0.000	0.0
55	0.000	0.0
60	0.001	0.0

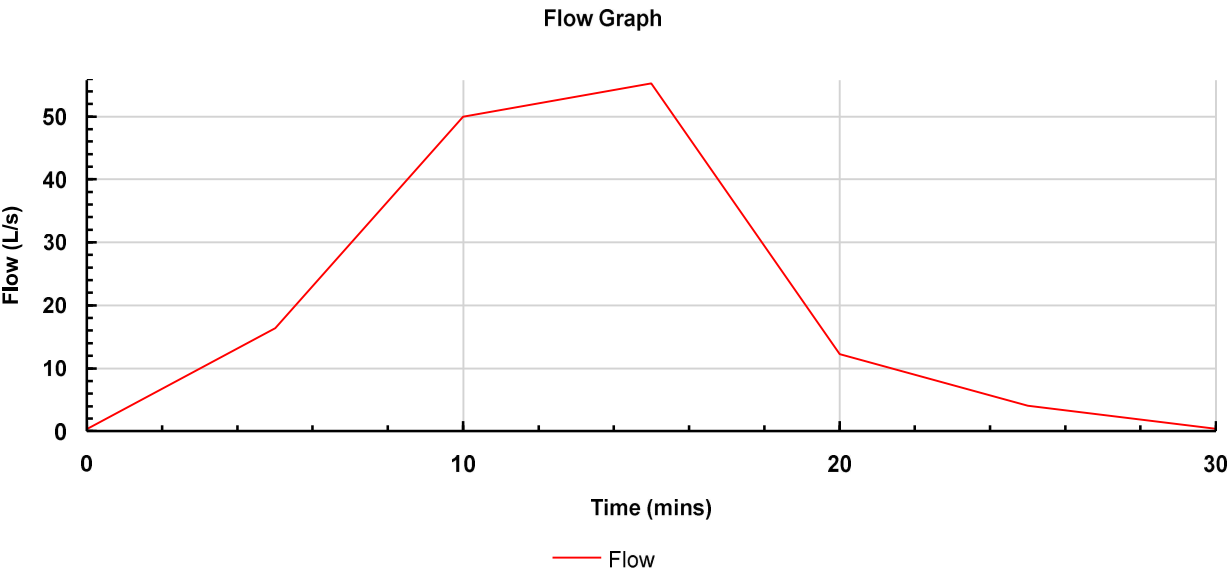
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



19 -> 18
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.132	16.2
10	0.225	49.9
15	0.225	55.2
20	0.225	12.0
25	0.225	3.8
30	0.087	0.1

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Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			



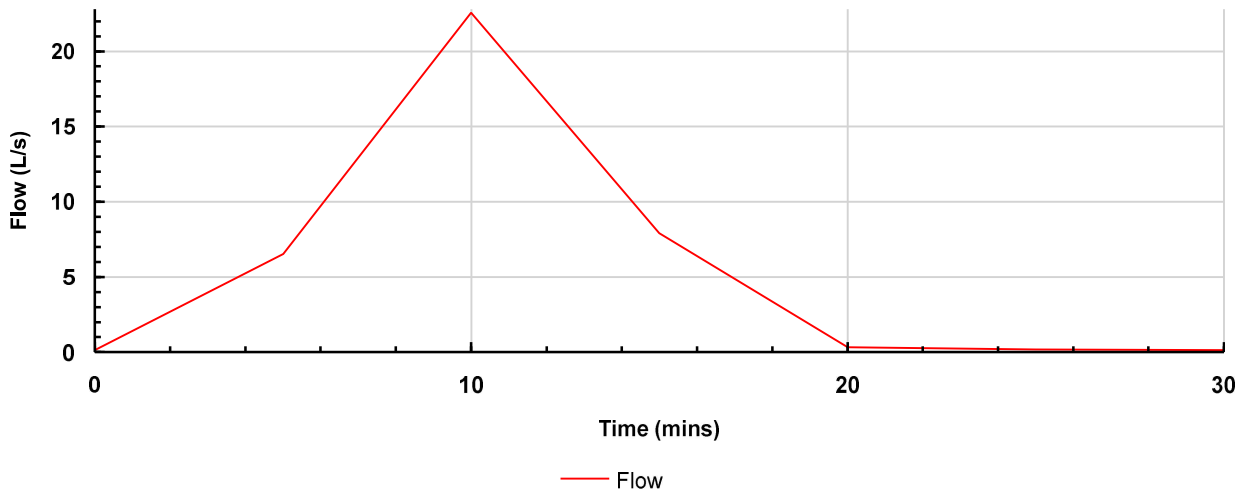
9 -> 5

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.150	6.4
10	0.150	22.6
15	0.150	7.8
20	0.150	0.2
25	0.150	0.1
30	0.150	0.0

APPENDIX X: Infodrainage Calculations for Proposed Site

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Inflows Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





Catchment Area

Type : Catchment Area

Area (ha)	0.086
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (1)

Type : Catchment Area

Area (ha)	0.328
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	95



Catchment Area (2)

Type : Catchment Area

Area (ha)	0.099
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (3)

Type : Catchment Area

Area (ha)	0.127
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: Winners Chapel Blackley	Date: 03/04/2025		
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Report Details: Type: Inflows Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





Catchment Area (4)

Type : Catchment Area

Area (ha)	0.101
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (5)

Type : Catchment Area

Area (ha)	0.103
-----------	-------

Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (6)

Type : Catchment Area

Area (ha)	0.12
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100



Catchment Area (7)

Type : Catchment Area

Area (ha)	0.049
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Dynamic Sizing	
Runoff Method	Time of Concentration
Summer Volumetric Runoff	0.750
Winter Volumetric Runoff	0.840
Time of Concentration (mins)	5
Percentage Impervious (%)	100

Project: Winners Chapel Blackley		Date: 03/04/2025			
Report Details: Type: Junctions Storm Phase: Phase		Designed by: JT	Checked by:		Approved By:
		Roscoe : Existing site network 2yr storm event			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
SWMH02	Manhole	385549.391	404682.420	106.900	1.967	104.933	Circular	1.200
SWMH03	Manhole	385603.116	404676.587	106.600	2.209	104.391	Circular	1.200
SWMH04	Manhole	385635.766	404676.517	106.600	2.537	104.063	Circular	1.200
SWMH05	Manhole	385637.158	404644.485	105.700	1.066	104.634	Circular	1.200
SWMH01	Manhole	385544.969	404640.118	106.500	1.200	105.300	Circular	1.200
SWMH07	Manhole	385715.731	404603.644	104.800	2.600	102.200	Circular	1.200
SWMH06	Manhole	385713.770	404658.992	105.000	1.729	103.271	Circular	1.200
SWMH08	Manhole	385684.858	404685.112	105.500	1.350	104.150	Circular	1.200
SWMH09	Manhole	385740.946	404677.019	105.000	1.426	103.574	Circular	1.200
SWMH10	Manhole	385735.506	404604.422	104.800	1.959	102.841	Circular	1.200
SWMH12 (outfall)	Manhole	385709.919	404533.078	99.800	2.700	97.100	Circular	1.200
SWMH11	Manhole	385683.658	404534.762	99.500	1.350	98.150	Circular	1.200
FC01	Manhole	385704.892	404586.313	103.500	1.745	101.755	Circular	1.200
CBMH07	Manhole	385697.108	404582.099	102.950	4.007	98.943	Circular	1.200
FC02	Manhole	385700.400	404537.825	99.700	2.357	97.343	Circular	1.200
BPS01	Manhole	385734.640	404599.172	104.750	2.007	102.743	Circular	1.200

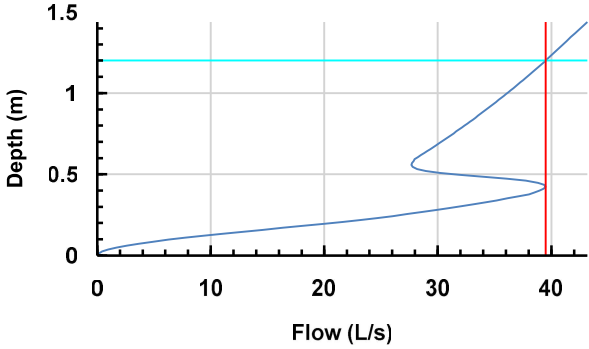
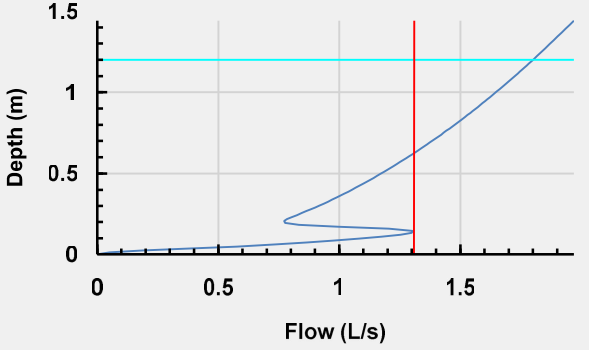
Name	Lock
SWMH02	None
SWMH03	None
SWMH04	None
SWMH05	None
SWMH01	None
SWMH07	None
SWMH06	None
SWMH08	None
SWMH09	None
SWMH10	None
SWMH12 (outfall)	None
SWMH11	None
FC01	None
CBMH07	None
FC02	None
BPS01	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SWMH02	Inlet	1 > 2	(None)	No Restriction
	Inlet (1)	Catchment Area (4)	(None)	No Restriction
SWMH03	Inlet	2 > 3	(None)	No Restriction
	Inlet (1)	Catchment Area (5)	(None)	No Restriction
SWMH04	Inlet	3 > 4	(None)	No Restriction
	Inlet (1)	5 > 4	(None)	No Restriction
SWMH05	Inlet	Catchment Area (6) Catchment Area (7)	(None)	No Restriction
SWMH01	Inlet	Catchment Area (3)	(None)	No Restriction
SWMH07	Inlet	6 > 7	(None)	No Restriction
	Inlet (1)	Catchment Area (1)	(None)	No Restriction
SWMH06	Inlet	4 > 6	(None)	No Restriction
SWMH08	Inlet	Catchment Area (2)	(None)	No Restriction
SWMH09	Inlet	8 > 9	(None)	No Restriction
SWMH10	Inlet	9 > 10	(None)	No Restriction
SWMH12 (outfall)	Inlet (1)	FC02 > 12	(None)	No Restriction
SWMH11	Inlet	Catchment Area	(None)	No Restriction
FC01	Inlet	TANK > FC01	(None)	No Restriction
CBMH07	Inlet	FC01 > C07	(None)	No Restriction
FC02	Inlet	TANK 2 > FC02	(None)	No Restriction
BPS01	Inlet	10 > BPS01	(None)	No Restriction

Project: Winners Chapel Blackley		Date: 03/04/2025			
Report Details: Type: Junctions Storm Phase: Phase		Designed by: JT	Checked by:		Approved By:
		Roscoe : Existing site network 2yr storm event			

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SWMH02	Outlet	2 > 3	Free Discharge
SWMH03	Outlet	3 > 4	Free Discharge
SWMH04	Outlet	4 > 6	Free Discharge
SWMH05	Outlet	5 > 4	Free Discharge
SWMH01	Outlet	1 > 2	Free Discharge
SWMH07	Outlet	07 > TANK	Free Discharge
SWMH06	Outlet	6 > 7	Free Discharge
SWMH08	Outlet	8 > 9	Free Discharge
SWMH09	Outlet	9 > 10	Free Discharge
SWMH10	Outlet	10 > BPS01	Free Discharge
SWMH11	Outlet	11 > TANK 2	Free Discharge
FC01	Outlet	FC01 > C07	Hydro-Brake®
	Invert Level (m)	101.755	
	Design Depth (m)	1.200	
	Design Flow (L/s)	39.5	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0250-3950-1200-3950	
			
FC02	Outlet	FC02 > 12	Hydro-Brake®
	Invert Level (m)	97.343	
	Design Depth (m)	1.200	
	Design Flow (L/s)	1.8	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☐	
	Unit Reference	CHE-0058-1800-1200-1800	
			
BPS01	Outlet	BPS01 > TANK	Free Discharge

Project: Winners Chapel Blackley		Date: 03/04/2025			
Report Details: Type: Connections Storm Phase: Phase		Designed by: JT	Checked by:		Approved By:
		Roscoe : Existing site network 2yr storm event			

Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
1 > 2	42.532	Pipe	115.891		0.6	225	106.500	105.300
2 > 3	54.040	Pipe	99.705		0.6	300	106.900	104.933
3 > 4	32.650	Pipe	99.543		0.6	300	106.600	104.391
4 > 6	79.949	Pipe	100.946		0.6	425	106.600	104.063
6 > 7	55.382	Pipe	51.711		0.6	300	105.000	103.271
5 > 4	32.062	Pipe	56.151		0.6	300	105.700	104.634
8 > 9	56.669	Pipe	98.384		0.6	300	105.500	104.150
9 > 10	72.801	Pipe	99.320		0.6	300	105.000	103.574
TANK > FC01	12.141	Pipe	35.192		0.6	425	103.300	102.100
FC01 > C07	8.851	Pipe	3.148		0.6	300	103.500	101.755
07 > TANK	11.955	Pipe	119.555		0.6	450	104.800	102.200
TANK 2 > FC02	8.694	Pipe	152.521		0.6	150	98.600	97.400
FC02 > 12	10.637	Pipe	43.775		0.6	150	99.700	97.343
11 > TANK 2	8.348	Pipe	11.131		0.6	150	99.500	98.150
10 > BPS01	5.321	Pipe	54.296		0.6	300	104.800	102.841
BPS01 > TANK	20.292	Pipe	31.559		0.6	300	104.750	102.743

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance
1 > 2	106.900	104.933		None		(None)	(None)
2 > 3	106.600	104.391		None		(None)	(None)
3 > 4	106.600	104.063		None		(None)	(None)
4 > 6	105.000	103.271		None		(None)	(None)
6 > 7	104.800	102.200		None		(None)	(None)
5 > 4	106.600	104.063		None		(None)	(None)
8 > 9	105.000	103.574		None		(None)	(None)
9 > 10	104.800	102.841		None		(None)	(None)
TANK > FC01	103.500	101.755		None	38.6	(None)	(None)
FC01 > C07	102.950	98.943		None	43.2	(None)	(None)
07 > TANK	103.300	102.100		None		(None)	(None)
TANK 2 > FC02	99.700	97.343		None	5.4	(None)	(None)
FC02 > 12	99.800	97.100		None	2.0	(None)	(None)
11 > TANK 2	98.600	97.400		None		(None)	(None)
10 > BPS01	104.750	102.743		None		(None)	(None)
BPS01 > TANK	103.300	102.100		None		(None)	(None)

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Network Design Criteria Storm Phase: Phase		Roscoe : Existing site network 2yr storm event	



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 Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	500.00
Max. Slope (1:X)	40.00
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☐
Reduce Channel Depths	☐

Pipe Size Library

Default

Add. Increment (mm)	75
Max. Diameter (mm)	0

Diameter (mm)	Min. Slope (1:X)	Max. Slope (1:X)
100	0.00	0.00
150	0.00	0.00

Project: Winners Chapel Blackley	Date: 03/04/2025	
Report Details:	Designed by: JT	
Type: Network Design Criteria Storm Phase: Phase	Roscoe : Existing site network 2yr storm event	

Manhole Options

Apply Offset ☐

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

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Rainfall Analysis Criteria	Roscoe : Existing site network 2yr storm event		



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	☐

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
Catchment Area	FSR (1): 100 years: +40 %: 15 mins: Winter	0.09	46.6	21.573
Catchment Area (1)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.33	168.1	77.805
Catchment Area (2)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.10	53.2	24.605
Catchment Area (3)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.13	68.3	31.627
Catchment Area (4)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.10	54.4	25.165
Catchment Area (5)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.10	55.8	25.837
Catchment Area (6)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.12	64.6	29.897
Catchment Area (7)	FSR (1): 100 years: +40 %: 15 mins: Winter	0.05	26.6	12.287

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by:	Checked by:	Approved By:	
Report Details: Type: Junctions Summary Storm Phase: Phase			Roscoe : Existing site network 2yr storm event	



Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SWMH02	FSR (1): 100 years: +40 %: 15 mins: Winter	106.900	104.933	105.578	0.645	109.9	0.730	0.000	100.0	56.663	Surcharged
SWMH03	FSR (1): 100 years: +40 %: 15 mins: Winter	106.600	104.391	105.076	0.685	155.8	0.775	0.000	149.3	82.491	Surcharged
SWMH04	FSR (1): 100 years: +40 %: 30 mins: Winter	106.600	104.063	104.472	0.409	176.4	0.463	0.000	164.2	166.419	OK
SWMH05	FSR (1): 100 years: +40 %: 15 mins: Winter	105.700	104.634	104.809	0.175	91.2	0.198	0.000	90.2	42.074	OK
SWMH01	FSR (1): 100 years: +40 %: 15 mins: Winter	106.500	105.300	106.105	0.805	68.3	0.910	0.000	55.5	31.504	Surcharged
SWMH07	FSR (1): 100 years: +40 %: 60 mins: Winter	104.800	102.200	103.297	1.097	208.6	1.241	0.000	205.9	341.981	Surcharged
SWMH06	FSR (1): 100 years: +40 %: 30 mins: Winter	105.000	103.271	104.167	0.896	164.2	1.014	0.000	162.2	166.080	Surcharged
SWMH08	FSR (1): 100 years: +40 %: 15 mins: Winter	105.500	104.150	104.299	0.149	53.2	0.169	0.000	51.0	24.638	OK
SWMH09	FSR (1): 100 years: +40 %: 15 mins: Winter	105.000	103.574	103.715	0.141	51.0	0.160	0.000	46.2	24.669	OK
SWMH10	FSR (1): 100 years: +40 %: 60 mins: Winter	104.800	102.841	103.294	0.453	27.1	0.513	0.000	26.0	42.064	Surcharged
SWMH12 (outfall)	FSR (1): 100 years: +40 %: 240 mins: Winter	99.800	97.100	97.126	0.026	1.8	0.000	0.000	1.8	40.034	OK
SWMH11	FSR (1): 100 years: +40 %: 240 mins: Winter	99.500	98.150	98.563	0.413	9.6	0.467	0.000	9.6	54.845	Surcharged
FC01	FSR (1): 100 years: +40 %: 60 mins: Winter	103.500	101.755	103.288	1.533	43.3	1.734	0.000	43.2	251.979	Flood Risk
CBMH07	FSR (1): 100 years: +40 %: 60 mins: Winter	102.950	98.943	98.995	0.052	43.2	0.000	0.000	43.2	251.918	OK
FC02	FSR (1): 100 years: +40 %: 240 mins: Winter	99.700	97.343	98.560	1.217	1.9	1.377	0.000	1.8	40.060	Surcharged
BPS01	FSR (1): 100 years: +40 %: 60 mins: Winter	104.750	102.743	103.294	0.551	26.0	0.623	0.000	24.4	41.991	Surcharged

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connections Summary	Existing site network			
Storm Phase: Phase	2yr storm event			



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
1 > 2	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH01	SWMH02	106.500	106.105	0.225	31.504	1.4	1.15	55.5	Surcharged
2 > 3	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH02	SWMH03	106.900	105.578	0.300	56.663	1.4	0.9	100.0	Surcharged
3 > 4	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH03	SWMH04	106.600	105.076	0.300	82.491	2.1	1.34	149.3	Surcharged
4 > 6	FSR (1): 100 years: +40 %: 15 mins: Summer	Pipe	SWMH04	SWMH06	106.600	104.360	0.425	110.621	1.7	0.81	224.7	OK
6 > 7	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH06	SWMH07	105.000	104.154	0.300	123.871	2.4	1.09	168.8	Surcharged
5 > 4	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH05	SWMH04	105.700	104.809	0.243	42.074	1.5	0.61	90.2	OK
8 > 9	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH08	SWMH09	105.500	104.299	0.145	24.638	1.5	0.46	51.0	OK
9 > 10	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH09	SWMH10	105.000	103.715	0.134	24.669	1.5	0.41	46.2	OK
TANK > FC01	FSR (1): 100 years: +40 %: 360 mins: Summer	Pipe	Tank	FC01	103.300	102.876	0.425	566.251	0.5	0.1	48.3	Surcharged
FC01 > C07	FSR (1): 100 years: +40 %: 60 mins: Winter	Pipe	FC01	CBMH07	103.500	103.288	0.054	251.918	4.9	0.07	43.2	Flood Risk
07 > TANK	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH07	Tank	104.800	102.960	0.450	197.690	3.0	1.1	324.0	Surcharged
TANK 2 > FC02	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	TANK 2	FC02	98.600	98.050	0.150	2.802	0.4	0.23	3.3	Surcharged
FC02 > 12	FSR (1): 100 years: +40 %: 240 mins: Winter	Pipe	FC02	SWMH12 (outfall)	99.700	98.560	0.026	40.034	0.9	0.07	1.8	Surcharged
11 > TANK 2	FSR (1): 100 years: +40 %: 15 mins: Summer	Pipe	SWMH11	TANK 2	99.500	98.256	0.150	19.232	2.5	0.82	44.0	OK

Project: Winners Chapel Blackley				Date: 03/04/2025								
				Designed by:	Checked by:	Approved By:						
Report Details: Type: Connections Summary Storm Phase: Phase				JT								
				Roscoe : Existing site network 2yr storm event								
10 > BPS01	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	SWMH1 0	BPS01	104.800	102.968	0.167	24.337	1.9	0.29	43.4	OK
BPS01 > TANK	FSR (1): 100 years: +40 %: 15 mins: Winter	Pipe	BPS01	Tank	104.750	102.959	0.300	23.838	1.4	0.22	42.8	OK

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: Phase		Roscoe : Existing site network 2yr storm event	



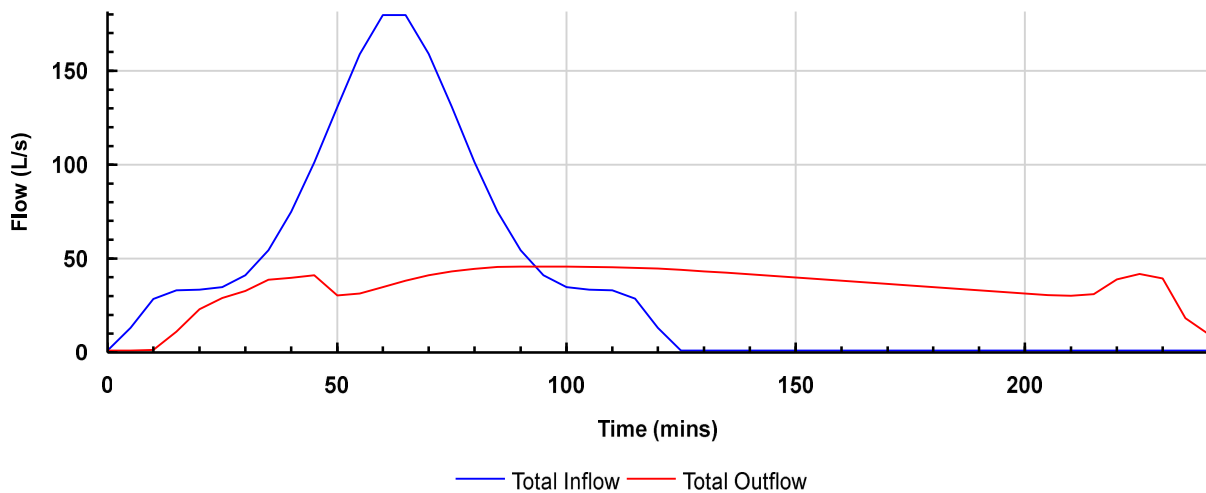
Phase
FSR (1): 100 years: Increase Rainfall (%): +40: 120 mins: Winter

Tables

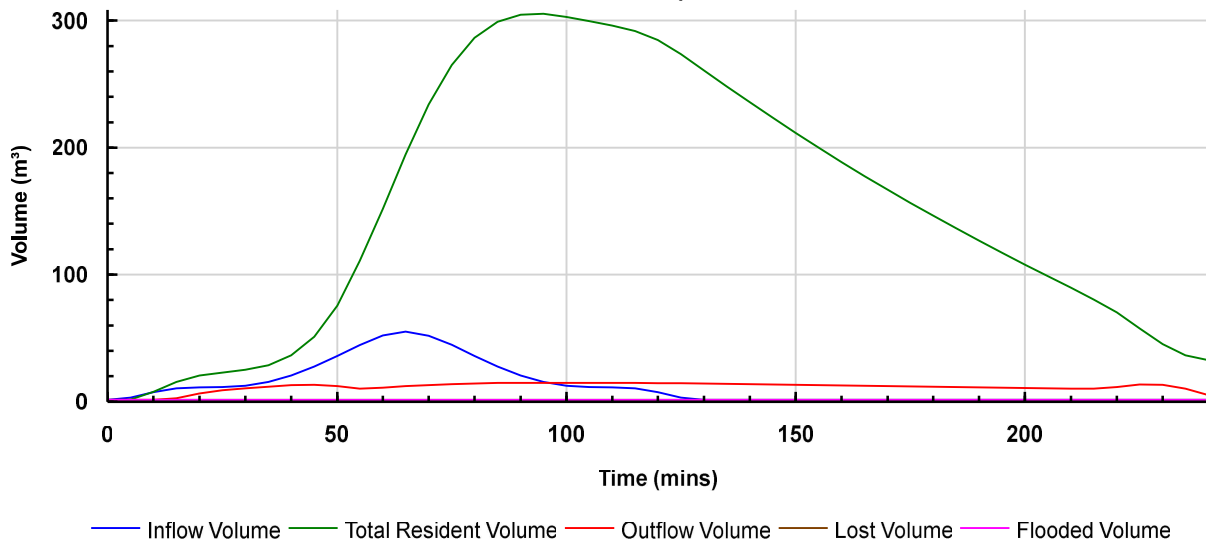
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
SWMH12 (outfall)			1.8	20.807
CBMH07			43.2	472.704
TOTAL	179.7	525.996	45.0	493.511

Graphs

Flow Graph



Volume Graph



Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH02

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	31.8	0.105	0.119	0.000	28.7
10	109.9	0.645	0.730	0.000	100.0
15	37.2	0.150	0.169	0.000	56.5
20	2.0	0.046	0.052	0.000	5.8
25	0.0	0.010	0.012	0.000	0.2
30	0.0	0.005	0.005	0.000	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH03
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	43.7	0.130	0.147	0.000	39.1
10	155.8	0.685	0.775	0.000	149.3
15	71.8	0.325	0.368	0.000	103.2
20	5.9	0.062	0.070	0.000	10.5
25	0.2	0.015	0.017	0.000	0.5
30	0.1	0.008	0.009	0.000	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH04
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 30 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	27.5	0.086	0.098	0.000	21.7
10	60.0	0.135	0.153	0.000	56.5
15	166.3	0.243	0.275	0.000	156.8
20	176.4	0.409	0.463	0.000	164.2
25	78.6	0.166	0.188	0.000	93.1
30	37.7	0.111	0.125	0.000	40.9
35	6.7	0.058	0.065	0.000	11.2
40	0.5	0.020	0.022	0.000	1.1
45	0.1	0.010	0.012	0.000	0.3
50	0.1	0.007	0.008	0.000	0.1
55	0.0	0.004	0.005	0.000	0.1
60	0.0	0.002	0.003	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH05
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	24.4	0.081	0.091	0.000	23.7
10	91.2	0.175	0.198	0.000	90.2
15	24.9	0.083	0.094	0.000	26.8
20	0.1	0.022	0.025	0.000	1.8
25	0.0	0.003	0.003	0.000	0.0
30	0.0	0.001	0.002	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH01
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	18.3	0.096	0.108	0.000	17.2
10	68.3	0.805	0.910	0.000	55.5
15	18.7	0.108	0.122	0.000	22.4
20	0.1	0.030	0.034	0.000	1.9
25	0.0	0.005	0.005	0.000	0.0
30	0.0	0.002	0.003	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH07

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	13.8	0.069	0.077	0.000	11.5
10	38.0	0.114	0.129	0.000	37.1
15	47.3	0.127	0.144	0.000	47.0
20	76.1	0.164	0.186	0.000	74.2
25	138.5	0.246	0.278	0.000	134.4
30	208.6	0.424	0.479	0.000	204.4
35	207.1	0.713	0.807	0.000	205.9
40	169.1	0.921	1.041	0.000	168.5
45	109.2	1.037	1.173	0.000	108.9
50	56.6	1.084	1.226	0.000	56.5
55	44.2	1.097	1.241	0.000	44.1
60	30.5	1.094	1.238	0.000	30.5
65	8.2	1.064	1.204	0.000	8.4
70	1.4	1.013	1.146	0.000	1.6
75	0.4	0.958	1.084	0.000	0.6
80	0.1	0.904	1.022	0.000	0.4
85	0.1	0.851	0.963	0.000	0.3
90	0.0	0.800	0.905	0.000	0.3
95	0.0	0.750	0.848	0.000	0.3
100	0.0	0.700	0.792	0.000	0.3
105	0.0	0.651	0.737	0.000	0.3
110	0.0	0.602	0.681	0.000	0.4
115	0.0	0.554	0.626	0.000	0.6
120	0.0	0.506	0.573	0.000	0.7

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH06
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 30 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	21.7	0.061	0.069	0.000	14.0
10	56.5	0.121	0.137	0.000	53.1
15	156.8	0.237	0.268	0.000	143.7
20	164.2	0.896	1.014	0.000	162.2
25	93.1	0.548	0.620	0.000	124.0
30	40.9	0.108	0.122	0.000	43.9
35	11.2	0.059	0.067	0.000	14.3
40	1.1	0.022	0.025	0.000	1.8
45	0.3	0.011	0.012	0.000	0.5
50	0.1	0.008	0.009	0.000	0.2
55	0.1	0.007	0.008	0.000	0.1
60	0.0	0.006	0.007	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH08

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	14.3	0.072	0.081	0.000	13.2
10	53.2	0.149	0.169	0.000	51.0
15	14.5	0.079	0.089	0.000	17.1
20	0.1	0.026	0.029	0.000	1.8
25	0.0	0.005	0.006	0.000	0.1
30	0.0	0.002	0.002	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





SWMH09
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	13.2	0.065	0.074	0.000	10.5
10	51.0	0.141	0.160	0.000	46.2
15	17.1	0.090	0.102	0.000	22.0
20	1.8	0.039	0.044	0.000	4.4
25	0.1	0.013	0.014	0.000	0.4
30	0.0	0.007	0.007	0.000	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



SWMH10
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	1.5	0.014	0.016	0.000	0.5
10	4.5	0.037	0.042	0.000	4.2
15	5.7	0.042	0.048	0.000	5.6
20	9.1	0.053	0.059	0.000	8.6
25	16.6	0.072	0.082	0.000	15.8
30	25.3	0.092	0.104	0.000	24.6
35	27.1	0.098	0.111	0.000	26.0
40	20.6	0.225	0.254	0.000	13.2
45	12.2	0.374	0.424	0.000	9.9
50	7.1	0.438	0.495	0.000	6.6
55	5.4	0.453	0.513	0.000	5.3
60	3.8	0.452	0.511	0.000	4.1
65	1.4	0.424	0.479	0.000	2.3
70	0.3	0.372	0.421	0.000	1.6
75	0.1	0.317	0.359	0.000	1.5
80	0.0	0.263	0.298	0.000	1.9
85	0.0	0.210	0.238	0.000	2.1
90	0.0	0.159	0.180	0.000	2.1
95	0.0	0.109	0.123	0.000	1.9
100	0.0	0.060	0.067	0.000	1.6
105	0.0	0.013	0.014	0.000	0.6
110	0.0	0.003	0.004	0.000	0.0
115	0.0	0.002	0.002	0.000	0.0
120	0.0	0.001	0.001	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



SWMH12 (outfall)
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 240 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.0
10	0.0	0.000	0.000	0.000	0.0
15	0.1	0.007	0.000	0.000	0.1
20	0.6	0.016	0.000	0.000	0.6
25	0.8	0.018	0.000	0.000	0.8
30	0.9	0.019	0.000	0.000	0.9
35	1.0	0.019	0.000	0.000	1.0
40	1.0	0.020	0.000	0.000	1.0
45	1.1	0.020	0.000	0.000	1.1
50	1.1	0.021	0.000	0.000	1.1
55	1.2	0.021	0.000	0.000	1.2
60	1.2	0.022	0.000	0.000	1.2
65	1.3	0.022	0.000	0.000	1.3
70	1.3	0.022	0.000	0.000	1.3
75	1.2	0.021	0.000	0.000	1.2
80	0.8	0.017	0.000	0.000	0.8
85	0.8	0.018	0.000	0.000	0.8
90	0.9	0.018	0.000	0.000	0.9
95	0.9	0.019	0.000	0.000	0.9
100	1.0	0.020	0.000	0.000	1.0
105	1.1	0.021	0.000	0.000	1.1
110	1.2	0.021	0.000	0.000	1.2
115	1.3	0.022	0.000	0.000	1.3
120	1.3	0.023	0.000	0.000	1.3
125	1.4	0.023	0.000	0.000	1.4
130	1.5	0.024	0.000	0.000	1.5
135	1.5	0.024	0.000	0.000	1.5
140	1.6	0.025	0.000	0.000	1.6
145	1.6	0.025	0.000	0.000	1.6
150	1.7	0.025	0.000	0.000	1.7
155	1.7	0.025	0.000	0.000	1.7
160	1.7	0.026	0.000	0.000	1.7
165	1.8	0.026	0.000	0.000	1.8
170	1.8	0.026	0.000	0.000	1.8
175	1.8	0.026	0.000	0.000	1.8
180	1.8	0.026	0.000	0.000	1.8
185	1.8	0.026	0.000	0.000	1.8
190	1.8	0.026	0.000	0.000	1.8
195	1.8	0.026	0.000	0.000	1.8
200	1.8	0.026	0.000	0.000	1.8
205	1.8	0.026	0.000	0.000	1.8
210	1.8	0.026	0.000	0.000	1.8
215	1.8	0.026	0.000	0.000	1.8
220	1.8	0.026	0.000	0.000	1.8
225	1.8	0.026	0.000	0.000	1.8
230	1.8	0.026	0.000	0.000	1.8
235	1.8	0.026	0.000	0.000	1.8

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	1.8	0.026	0.000	0.000	1.8
245	1.8	0.026	0.000	0.000	1.8
250	1.8	0.026	0.000	0.000	1.8
255	1.7	0.026	0.000	0.000	1.7
260	1.7	0.026	0.000	0.000	1.7
265	1.7	0.026	0.000	0.000	1.7
270	1.7	0.025	0.000	0.000	1.7
275	1.7	0.025	0.000	0.000	1.7
280	1.7	0.025	0.000	0.000	1.7
285	1.7	0.025	0.000	0.000	1.7
290	1.7	0.025	0.000	0.000	1.7
295	1.6	0.025	0.000	0.000	1.6
300	1.6	0.025	0.000	0.000	1.6
305	1.6	0.025	0.000	0.000	1.6
310	1.6	0.025	0.000	0.000	1.6
315	1.6	0.025	0.000	0.000	1.6
320	1.6	0.024	0.000	0.000	1.6
325	1.6	0.024	0.000	0.000	1.6
330	1.6	0.024	0.000	0.000	1.6
335	1.5	0.024	0.000	0.000	1.5
340	1.5	0.024	0.000	0.000	1.5
345	1.5	0.024	0.000	0.000	1.5
350	1.5	0.024	0.000	0.000	1.5
355	1.5	0.024	0.000	0.000	1.5
360	1.5	0.024	0.000	0.000	1.5
365	1.5	0.024	0.000	0.000	1.5
370	1.5	0.024	0.000	0.000	1.5
375	1.4	0.023	0.000	0.000	1.4
380	1.4	0.023	0.000	0.000	1.4
385	1.4	0.023	0.000	0.000	1.4
390	1.4	0.023	0.000	0.000	1.4
395	1.4	0.023	0.000	0.000	1.4
400	1.4	0.023	0.000	0.000	1.4
405	1.4	0.023	0.000	0.000	1.4
410	1.4	0.023	0.000	0.000	1.4
415	1.3	0.023	0.000	0.000	1.3
420	1.3	0.023	0.000	0.000	1.3
425	1.3	0.022	0.000	0.000	1.3
430	1.3	0.022	0.000	0.000	1.3
435	1.3	0.022	0.000	0.000	1.3
440	1.3	0.022	0.000	0.000	1.3
445	1.3	0.022	0.000	0.000	1.3
450	1.3	0.022	0.000	0.000	1.3
455	1.2	0.022	0.000	0.000	1.2
460	1.2	0.022	0.000	0.000	1.2
465	1.2	0.022	0.000	0.000	1.2
470	1.2	0.021	0.000	0.000	1.2
475	1.2	0.021	0.000	0.000	1.2
480	1.2	0.021	0.000	0.000	1.2

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



SWMH11

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 240 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.3	0.010	0.011	0.000	0.3
10	0.9	0.015	0.017	0.000	0.9
15	1.3	0.016	0.019	0.000	1.3
20	1.6	0.018	0.020	0.000	1.6
25	1.7	0.018	0.021	0.000	1.7
30	1.7	0.018	0.021	0.000	1.7
35	1.7	0.018	0.021	0.000	1.7
40	1.7	0.018	0.021	0.000	1.7
45	1.7	0.018	0.021	0.000	1.7
50	1.8	0.019	0.021	0.000	1.8
55	2.0	0.019	0.022	0.000	2.0
60	2.2	0.020	0.023	0.000	2.2
65	2.6	0.021	0.024	0.000	2.6
70	3.0	0.023	0.026	0.000	3.0
75	3.6	0.025	0.028	0.000	3.5
80	4.2	0.027	0.030	0.000	4.2
85	4.9	0.029	0.033	0.000	4.9
90	5.6	0.031	0.035	0.000	5.6
95	6.4	0.034	0.038	0.000	6.4
100	7.2	0.036	0.041	0.000	7.2
105	7.9	0.038	0.043	0.000	7.9
110	8.6	0.039	0.045	0.000	8.6
115	9.2	0.041	0.046	0.000	9.2
120	9.6	0.042	0.047	0.000	9.6
125	9.6	0.042	0.047	0.000	9.6
130	9.2	0.050	0.056	0.000	8.9
135	8.6	0.113	0.128	0.000	8.3
140	7.9	0.176	0.199	0.000	7.7
145	7.2	0.228	0.258	0.000	7.0
150	6.4	0.272	0.308	0.000	6.3
155	5.6	0.310	0.350	0.000	5.5
160	4.9	0.340	0.385	0.000	4.8
165	4.2	0.364	0.412	0.000	4.1
170	3.6	0.382	0.432	0.000	3.5
175	3.0	0.395	0.447	0.000	3.0
180	2.6	0.404	0.457	0.000	2.6
185	2.2	0.409	0.463	0.000	2.2
190	2.0	0.412	0.466	0.000	2.0
195	1.8	0.413	0.467	0.000	1.8
200	1.7	0.412	0.466	0.000	1.7
205	1.7	0.412	0.465	0.000	1.7
210	1.7	0.411	0.464	0.000	1.7
215	1.7	0.410	0.464	0.000	1.7
220	1.7	0.409	0.462	0.000	1.7
225	1.6	0.407	0.460	0.000	1.6
230	1.3	0.404	0.457	0.000	1.3
235	0.9	0.397	0.449	0.000	1.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	0.3	0.386	0.437	0.000	0.4
245	0.0	0.372	0.420	0.000	0.1
250	0.0	0.355	0.402	0.000	0.1
255	0.0	0.339	0.383	0.000	0.1
260	0.0	0.323	0.365	0.000	0.1
265	0.0	0.307	0.347	0.000	0.1
270	0.0	0.291	0.329	0.000	0.1
275	0.0	0.275	0.311	0.000	0.1
280	0.0	0.260	0.294	0.000	0.1
285	0.0	0.244	0.276	0.000	0.1
290	0.0	0.229	0.259	0.000	0.1
295	0.0	0.214	0.242	0.000	0.1
300	0.0	0.198	0.224	0.000	0.1
305	0.0	0.183	0.207	0.000	0.1
310	0.0	0.168	0.190	0.000	0.1
315	0.0	0.154	0.174	0.000	0.1
320	0.0	0.139	0.157	0.000	0.1
325	0.0	0.124	0.141	0.000	0.1
330	0.0	0.110	0.124	0.000	0.1
335	0.0	0.096	0.108	0.000	0.1
340	0.0	0.082	0.092	0.000	0.1
345	0.0	0.068	0.076	0.000	0.1
350	0.0	0.054	0.061	0.000	0.1
355	0.0	0.040	0.045	0.000	0.1
360	0.0	0.026	0.029	0.000	0.1
365	0.0	0.012	0.014	0.000	0.1
370	0.0	0.003	0.003	0.000	0.0
375	0.0	0.002	0.002	0.000	0.0
380	0.0	0.001	0.002	0.000	0.0
385	0.0	0.001	0.001	0.000	0.0
390	0.0	0.001	0.001	0.000	0.0
395	0.0	0.001	0.001	0.000	0.0
400	0.0	0.001	0.001	0.000	0.0
405	0.0	0.001	0.001	0.000	0.0
410	0.0	0.001	0.001	0.000	0.0
415	0.0	0.000	0.001	0.000	0.0
420	0.0	0.000	0.000	0.000	0.0
425	0.0	0.000	0.000	0.000	0.0
430	0.0	0.000	0.000	0.000	0.0
435	0.0	0.000	0.000	0.000	0.0
440	0.0	0.000	0.000	0.000	0.0
445	0.0	0.000	0.000	0.000	0.0
450	0.0	0.000	0.000	0.000	0.0
455	0.0	0.000	0.000	0.000	0.0
460	0.0	0.000	0.000	0.000	0.0
465	0.0	0.000	0.000	0.000	0.0
470	0.0	0.000	0.000	0.000	0.0
475	0.0	0.000	0.000	0.000	0.0
480	0.0	0.000	0.000	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



FC01
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.1	0.003	0.004	0.000	0.0
10	9.9	0.131	0.148	0.000	7.6
15	36.3	0.365	0.412	0.000	33.2
20	39.5	0.446	0.504	0.000	38.7
25	30.5	0.560	0.633	0.000	29.8
30	32.2	0.784	0.887	0.000	31.1
35	37.4	1.066	1.205	0.000	36.4
40	41.0	1.303	1.473	0.000	40.2
45	42.9	1.453	1.643	0.000	42.5
50	43.3	1.518	1.716	0.000	43.2
55	43.2	1.533	1.734	0.000	43.2
60	43.2	1.532	1.733	0.000	43.2
65	43.0	1.505	1.702	0.000	43.2
70	42.3	1.453	1.644	0.000	42.5
75	41.5	1.398	1.582	0.000	41.7
80	40.7	1.344	1.520	0.000	40.9
85	39.9	1.292	1.461	0.000	40.1
90	39.1	1.240	1.403	0.000	39.3
95	38.3	1.190	1.346	0.000	38.5
100	37.5	1.141	1.291	0.000	37.7
105	36.6	1.092	1.235	0.000	36.8
110	35.8	1.043	1.180	0.000	36.0
115	34.9	0.995	1.125	0.000	35.1
120	34.1	0.948	1.072	0.000	34.3

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





CBMH07
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.001	0.000	0.000	0.0
10	7.4	0.023	0.000	0.000	7.5
15	33.1	0.046	0.000	0.000	33.2
20	38.7	0.050	0.000	0.000	38.7
25	29.8	0.044	0.000	0.000	29.8
30	31.1	0.045	0.000	0.000	31.1
35	36.4	0.048	0.000	0.000	36.4
40	40.2	0.051	0.000	0.000	40.2
45	42.5	0.052	0.000	0.000	42.5
50	43.2	0.052	0.000	0.000	43.2
55	43.2	0.052	0.000	0.000	43.2
60	43.2	0.052	0.000	0.000	43.2
65	43.2	0.052	0.000	0.000	43.2
70	42.5	0.052	0.000	0.000	42.5
75	41.7	0.051	0.000	0.000	41.7
80	40.9	0.051	0.000	0.000	40.9
85	40.1	0.050	0.000	0.000	40.1
90	39.3	0.050	0.000	0.000	39.3
95	38.5	0.049	0.000	0.000	38.5
100	37.7	0.049	0.000	0.000	37.7
105	36.8	0.048	0.000	0.000	36.8
110	36.0	0.048	0.000	0.000	36.0
115	35.1	0.047	0.000	0.000	35.1
120	34.3	0.047	0.000	0.000	34.3

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



FC02

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 240 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.000	0.000	0.000	0.0
10	0.0	0.002	0.002	0.000	0.0
15	0.4	0.028	0.031	0.000	0.1
20	0.9	0.069	0.078	0.000	0.6
25	0.9	0.086	0.097	0.000	0.8
30	0.9	0.094	0.107	0.000	0.9
35	1.0	0.102	0.116	0.000	1.0
40	1.1	0.109	0.124	0.000	1.0
45	1.1	0.116	0.131	0.000	1.1
50	1.2	0.123	0.139	0.000	1.1
55	1.2	0.130	0.147	0.000	1.2
60	1.3	0.138	0.157	0.000	1.2
65	1.3	0.149	0.169	0.000	1.3
70	1.4	0.164	0.185	0.000	1.3
75	1.2	0.183	0.207	0.000	1.1
80	0.9	0.212	0.240	0.000	0.8
85	1.0	0.248	0.280	0.000	0.8
90	1.0	0.290	0.328	0.000	0.9
95	1.1	0.339	0.383	0.000	0.9
100	1.2	0.395	0.447	0.000	1.0
105	1.4	0.457	0.517	0.000	1.1
110	1.5	0.526	0.595	0.000	1.2
115	1.6	0.600	0.678	0.000	1.3
120	1.6	0.677	0.766	0.000	1.3
125	1.7	0.756	0.855	0.000	1.4
130	1.8	0.832	0.941	0.000	1.5
135	1.8	0.900	1.018	0.000	1.5
140	1.8	0.962	1.088	0.000	1.6
145	1.8	1.017	1.150	0.000	1.6
150	1.8	1.065	1.205	0.000	1.7
155	1.9	1.105	1.250	0.000	1.7
160	1.9	1.138	1.287	0.000	1.7
165	1.8	1.164	1.317	0.000	1.8
170	1.8	1.184	1.339	0.000	1.8
175	1.8	1.198	1.355	0.000	1.8
180	1.8	1.208	1.366	0.000	1.8
185	1.8	1.213	1.372	0.000	1.8
190	1.8	1.216	1.376	0.000	1.8
195	1.8	1.217	1.377	0.000	1.8
200	1.8	1.217	1.376	0.000	1.8
205	1.8	1.216	1.376	0.000	1.8
210	1.8	1.216	1.375	0.000	1.8
215	1.8	1.215	1.374	0.000	1.8
220	1.8	1.214	1.373	0.000	1.8
225	1.8	1.212	1.371	0.000	1.8
230	1.8	1.209	1.367	0.000	1.8
235	1.8	1.203	1.361	0.000	1.8

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
240	1.7	1.192	1.349	0.000	1.8
245	1.7	1.178	1.332	0.000	1.8
250	1.7	1.161	1.313	0.000	1.8
255	1.7	1.145	1.295	0.000	1.7
260	1.7	1.129	1.277	0.000	1.7
265	1.7	1.113	1.259	0.000	1.7
270	1.6	1.097	1.241	0.000	1.7
275	1.6	1.081	1.223	0.000	1.7
280	1.6	1.066	1.205	0.000	1.7
285	1.6	1.050	1.188	0.000	1.7
290	1.6	1.035	1.170	0.000	1.7
295	1.6	1.020	1.153	0.000	1.6
300	1.6	1.004	1.136	0.000	1.6
305	1.6	0.989	1.119	0.000	1.6
310	1.5	0.975	1.102	0.000	1.6
315	1.5	0.960	1.085	0.000	1.6
320	1.5	0.945	1.069	0.000	1.6
325	1.5	0.931	1.052	0.000	1.6
330	1.5	0.916	1.036	0.000	1.6
335	1.5	0.902	1.020	0.000	1.5
340	1.5	0.888	1.004	0.000	1.5
345	1.5	0.874	0.988	0.000	1.5
350	1.5	0.860	0.972	0.000	1.5
355	1.4	0.846	0.957	0.000	1.5
360	1.4	0.832	0.941	0.000	1.5
365	1.4	0.819	0.926	0.000	1.5
370	1.4	0.805	0.910	0.000	1.5
375	1.4	0.791	0.895	0.000	1.4
380	1.4	0.777	0.879	0.000	1.4
385	1.4	0.763	0.863	0.000	1.4
390	1.4	0.750	0.848	0.000	1.4
395	1.3	0.736	0.833	0.000	1.4
400	1.3	0.723	0.818	0.000	1.4
405	1.3	0.710	0.803	0.000	1.4
410	1.3	0.697	0.788	0.000	1.4
415	1.3	0.684	0.773	0.000	1.3
420	1.3	0.671	0.759	0.000	1.3
425	1.3	0.658	0.744	0.000	1.3
430	1.3	0.645	0.730	0.000	1.3
435	1.2	0.633	0.716	0.000	1.3
440	1.2	0.621	0.702	0.000	1.3
445	1.2	0.608	0.688	0.000	1.3
450	1.2	0.596	0.674	0.000	1.3
455	1.2	0.584	0.661	0.000	1.2
460	1.2	0.572	0.647	0.000	1.2
465	1.2	0.561	0.634	0.000	1.2
470	1.2	0.549	0.621	0.000	1.2
475	1.1	0.537	0.608	0.000	1.2
480	1.1	0.526	0.595	0.000	1.2

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		





BPS01

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Manhole

Tables

Time (mins)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Total Outflow (L/s)
0	0.0	0.000	0.000	0.000	0.0
5	0.5	0.007	0.008	0.000	0.2
10	4.2	0.030	0.034	0.000	4.2
15	5.6	0.034	0.039	0.000	5.6
20	8.6	0.041	0.047	0.000	8.5
25	15.8	0.054	0.061	0.000	15.6
30	24.6	0.068	0.076	0.000	24.4
35	26.0	0.101	0.114	0.000	23.2
40	13.2	0.321	0.363	0.000	12.2
45	9.9	0.472	0.534	0.000	9.5
50	6.6	0.536	0.606	0.000	6.5
55	5.3	0.551	0.623	0.000	5.2
60	4.1	0.550	0.622	0.000	4.1
65	2.3	0.522	0.590	0.000	2.5
70	1.6	0.470	0.532	0.000	1.8
75	1.5	0.415	0.470	0.000	1.7
80	1.9	0.361	0.408	0.000	2.2
85	2.1	0.308	0.349	0.000	2.4
90	2.1	0.257	0.291	0.000	2.6
95	1.9	0.207	0.234	0.000	2.5
100	1.6	0.157	0.178	0.000	2.1
105	0.6	0.108	0.122	0.000	1.2
110	0.0	0.059	0.066	0.000	0.5
115	0.0	0.011	0.012	0.000	0.4
120	0.0	0.004	0.004	0.000	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			



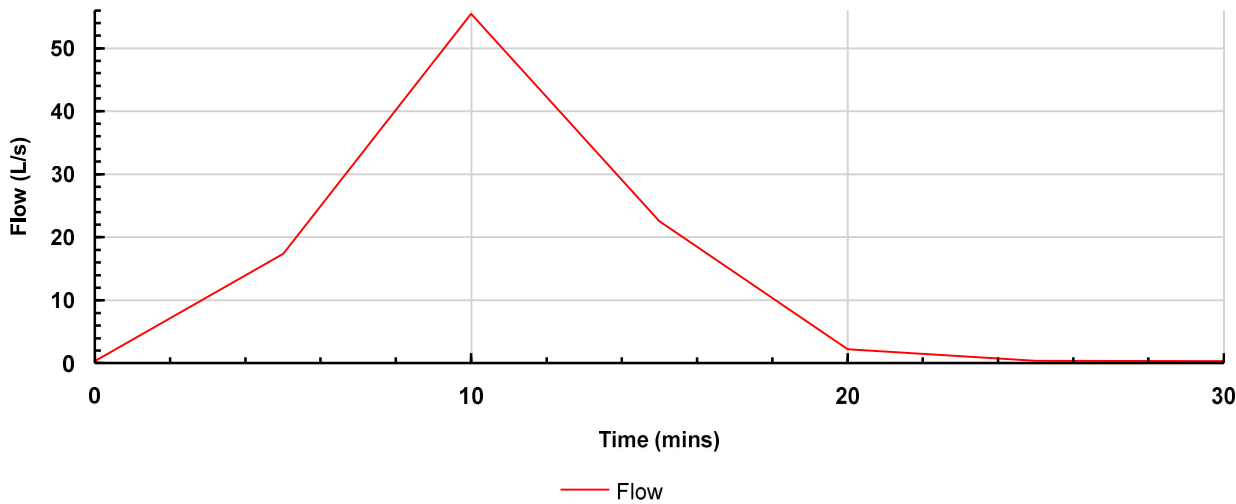
1 > 2

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.100	17.2
10	0.225	55.5
15	0.129	22.4
20	0.038	1.9
25	0.007	0.0
30	0.004	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

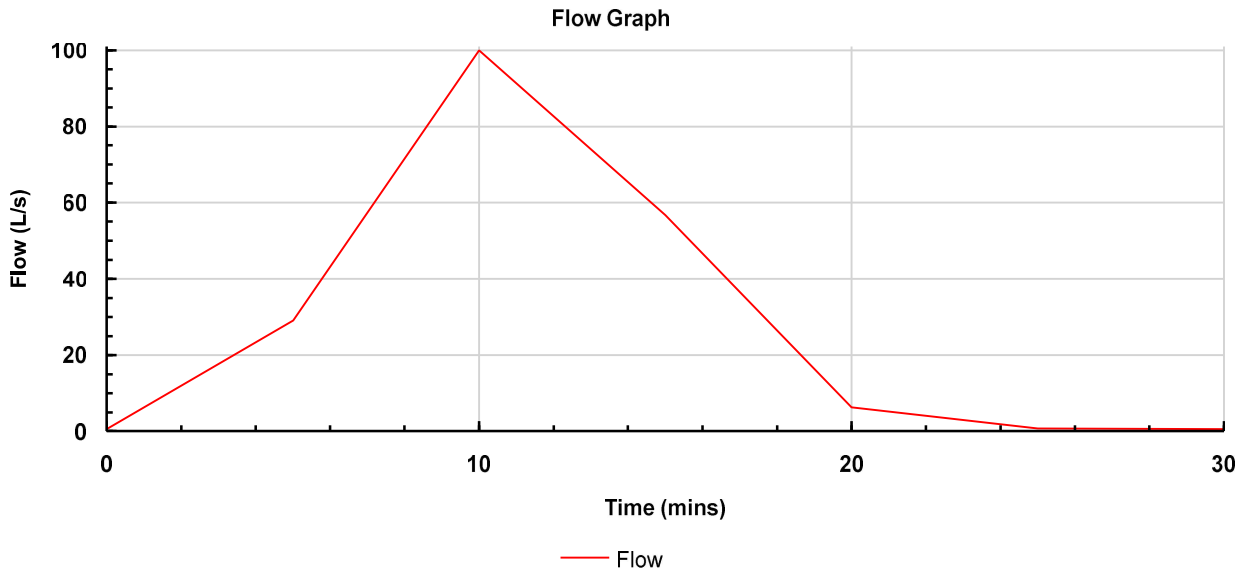


2 > 3

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.118	28.7
10	0.300	100.0
15	0.237	56.5
20	0.054	5.8
25	0.013	0.2
30	0.006	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			

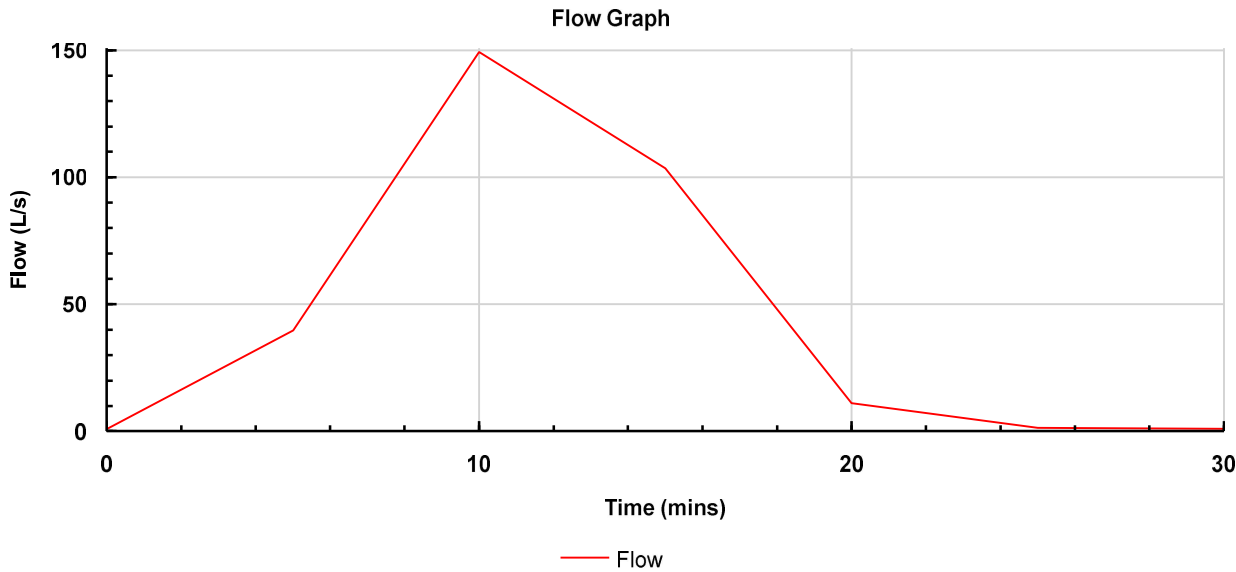


3 > 4

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.133	39.1
10	0.300	149.3
15	0.300	103.2
20	0.070	10.5
25	0.019	0.5
30	0.009	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			

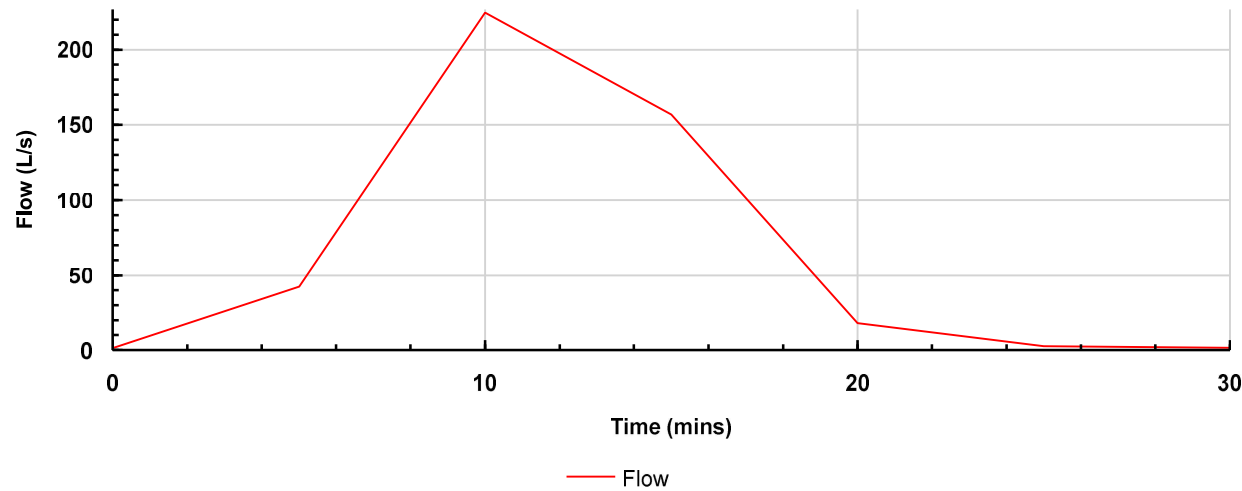


4 > 6
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.105	41.3
10	0.375	224.7
15	0.425	156.5
20	0.073	17.1
25	0.023	1.4
30	0.011	0.3

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			

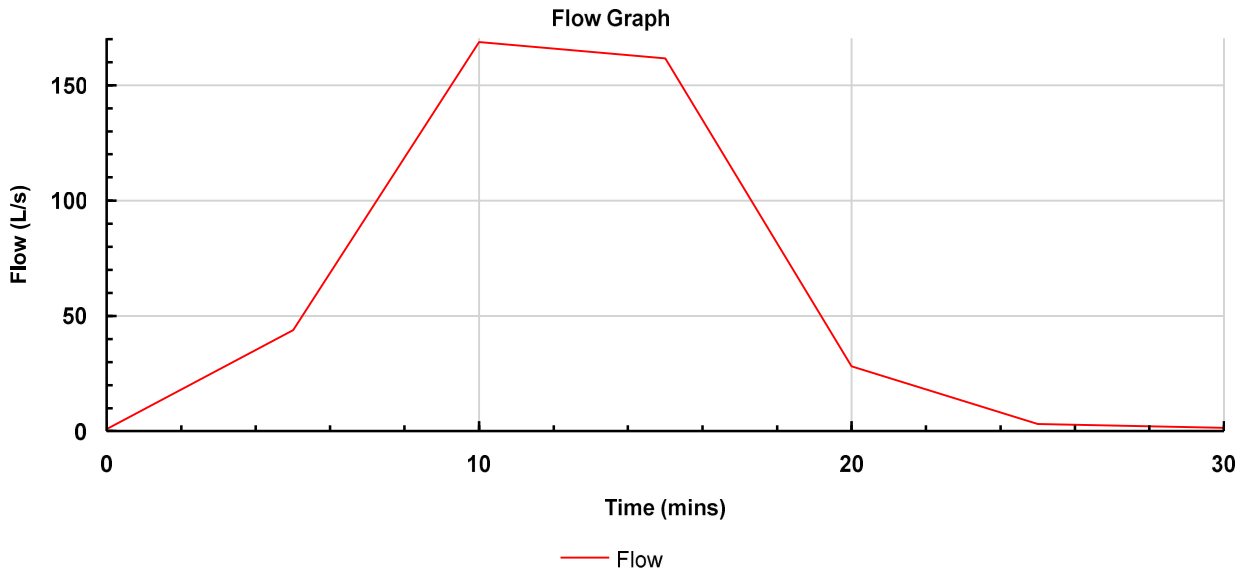


6 > 7

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.139	43.2
10	0.300	168.8
15	0.300	161.6
20	0.300	27.5
25	0.300	2.3
30	0.300	0.6

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



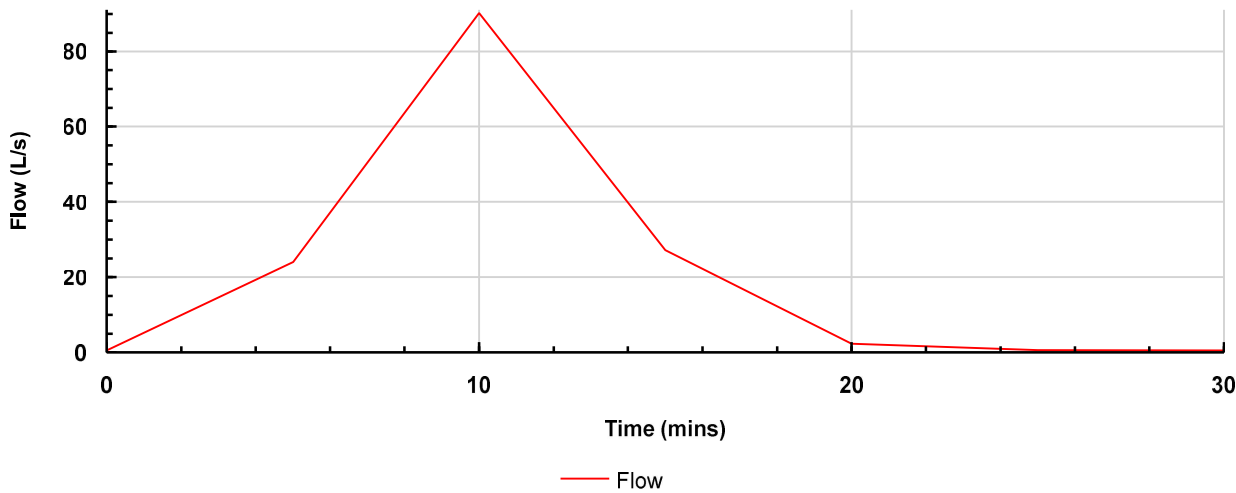
5 > 4

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.108	23.7
10	0.243	90.2
15	0.217	26.8
20	0.050	1.8
25	0.012	0.0
30	0.006	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

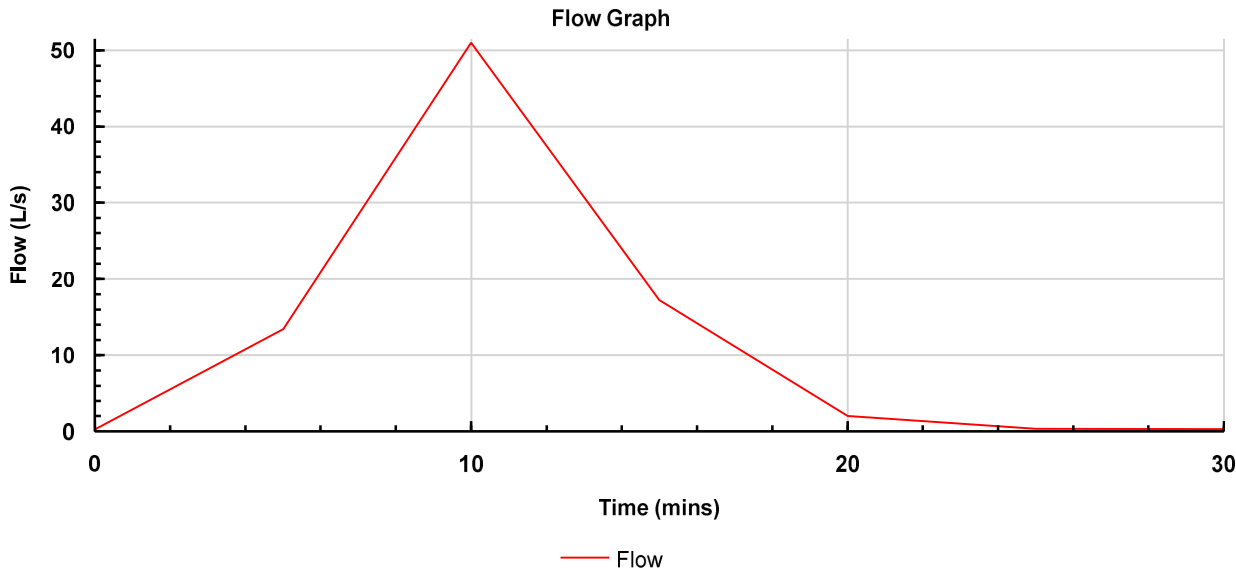


8 > 9

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.069	13.2
10	0.145	51.0
15	0.084	17.1
20	0.033	1.8
25	0.009	0.1
30	0.004	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

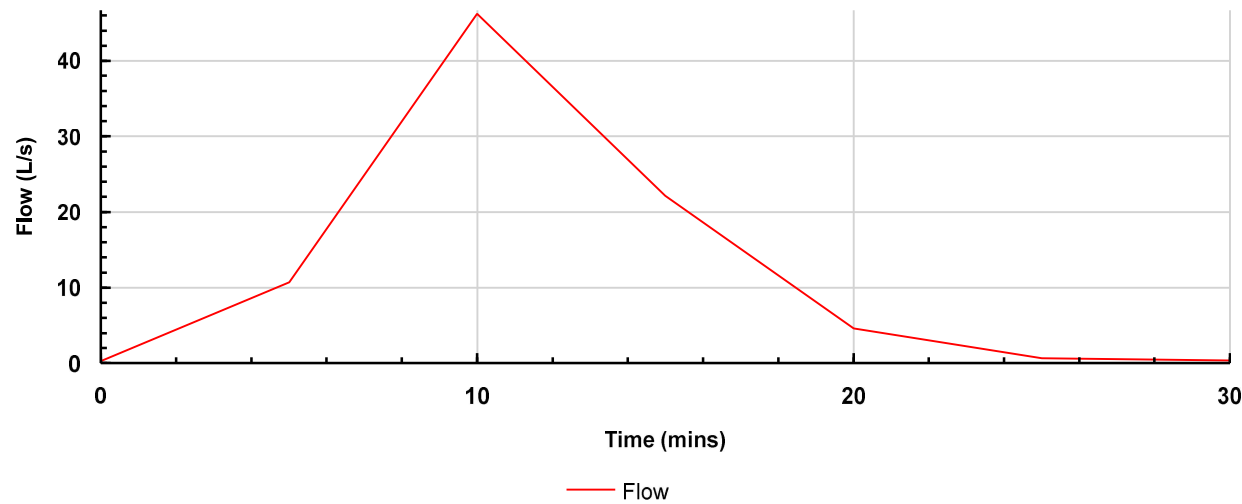


9 > 10
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.059	10.5
10	0.134	46.2
15	0.091	22.0
20	0.078	4.4
25	0.049	0.4
30	0.022	0.1

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



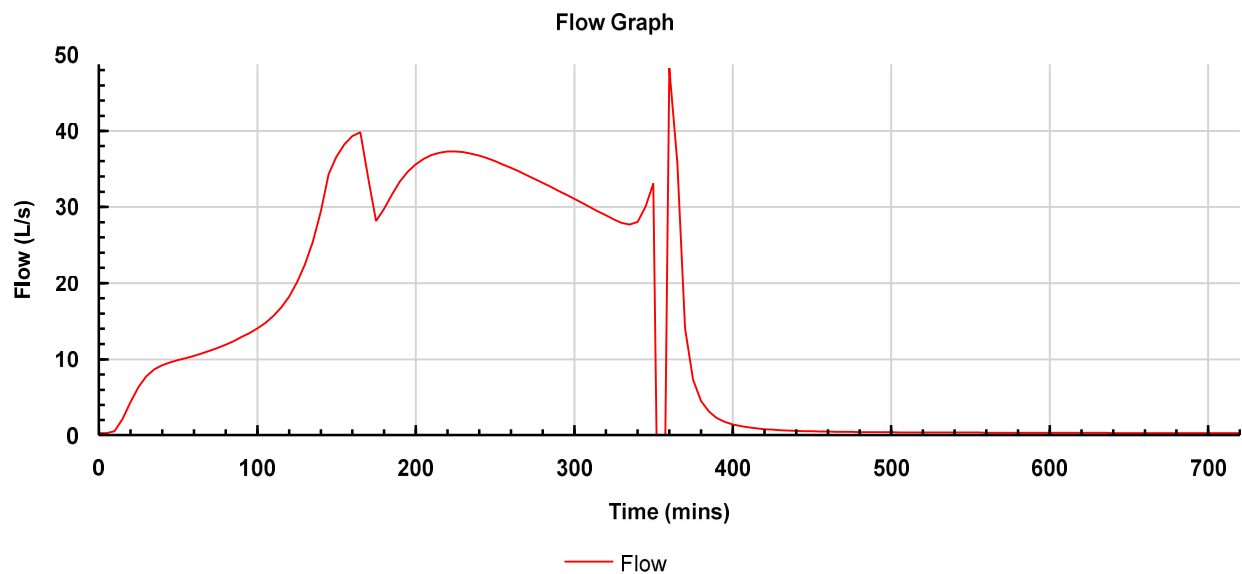


TANK > FC01

Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 360 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.001	0.0
10	0.010	0.3
15	0.037	1.9
20	0.059	4.2
25	0.074	6.2
30	0.083	7.6
35	0.088	8.5
40	0.091	9.0
45	0.093	9.4
50	0.095	9.7
55	0.096	9.9
60	0.098	10.2
65	0.099	10.6
70	0.101	10.9
75	0.103	11.3
80	0.105	11.7
85	0.107	12.2
90	0.110	12.7
95	0.113	13.3
100	0.116	13.9
105	0.119	14.6
110	0.123	15.5
115	0.129	16.6
120	0.135	18.1
125	0.144	20.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Depth (m)	Flow (L/s)
130	0.154	22.3
135	0.169	25.4
140	0.191	29.4
145	0.221	34.2
150	0.247	36.5
155	0.261	38.1
160	0.284	39.3
165	0.318	39.8
170	0.367	33.8
175	0.425	28.0
180	0.425	29.6
185	0.425	31.6
190	0.425	33.3
195	0.425	34.6
200	0.425	35.5
205	0.425	36.3
210	0.425	36.8
215	0.425	37.1
220	0.425	37.2
225	0.425	37.2
230	0.425	37.1
235	0.425	36.9
240	0.425	36.7
245	0.425	36.3
250	0.425	35.9
255	0.425	35.5
260	0.425	35.1
265	0.425	34.6
270	0.425	34.1
275	0.425	33.6
280	0.425	33.1
285	0.425	32.6
290	0.425	32.0
295	0.425	31.5
300	0.425	31.0
305	0.425	30.4
310	0.425	29.9
315	0.425	29.3
320	0.425	28.8
325	0.425	28.2
330	0.425	27.8
335	0.425	27.6
340	0.412	27.9
345	0.385	30.0
350	0.343	33.0
355	0.360	-49.1
360	0.344	48.3
365	0.241	35.7
370	0.120	13.9
375	0.083	7.1
380	0.063	4.3
385	0.052	2.9
390	0.043	2.1
395	0.037	1.5
400	0.033	1.2
405	0.029	0.9
410	0.026	0.8
415	0.024	0.6
420	0.022	0.5

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Depth (m)	Flow (L/s)
425	0.021	0.5
430	0.019	0.4
435	0.018	0.3
440	0.017	0.3
445	0.016	0.3
450	0.015	0.3
455	0.014	0.2
460	0.013	0.2
465	0.013	0.2
470	0.012	0.2
475	0.012	0.2
480	0.012	0.2
485	0.011	0.1
490	0.011	0.1
495	0.011	0.1
500	0.010	0.1
505	0.010	0.1
510	0.010	0.1
515	0.010	0.1
520	0.009	0.1
525	0.009	0.1
530	0.009	0.1
535	0.009	0.1
540	0.008	0.1
545	0.008	0.1
550	0.008	0.1
555	0.007	0.1
560	0.007	0.1
565	0.007	0.1
570	0.007	0.1
575	0.007	0.1
580	0.006	0.1
585	0.006	0.1
590	0.006	0.1
595	0.006	0.1
600	0.006	0.1
605	0.005	0.1
610	0.005	0.0
615	0.005	0.0
620	0.005	0.0
625	0.004	0.0
630	0.004	0.0
635	0.004	0.0
640	0.004	0.0
645	0.004	0.0
650	0.004	0.0
655	0.003	0.0
660	0.003	0.0
665	0.003	0.0
670	0.003	0.0
675	0.003	0.0
680	0.003	0.0
685	0.003	0.0
690	0.003	0.0
695	0.003	0.0
700	0.003	0.0
705	0.002	0.0
710	0.002	0.0
715	0.002	0.0

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Depth (m)	Flow (L/s)
720	0.002	0.0

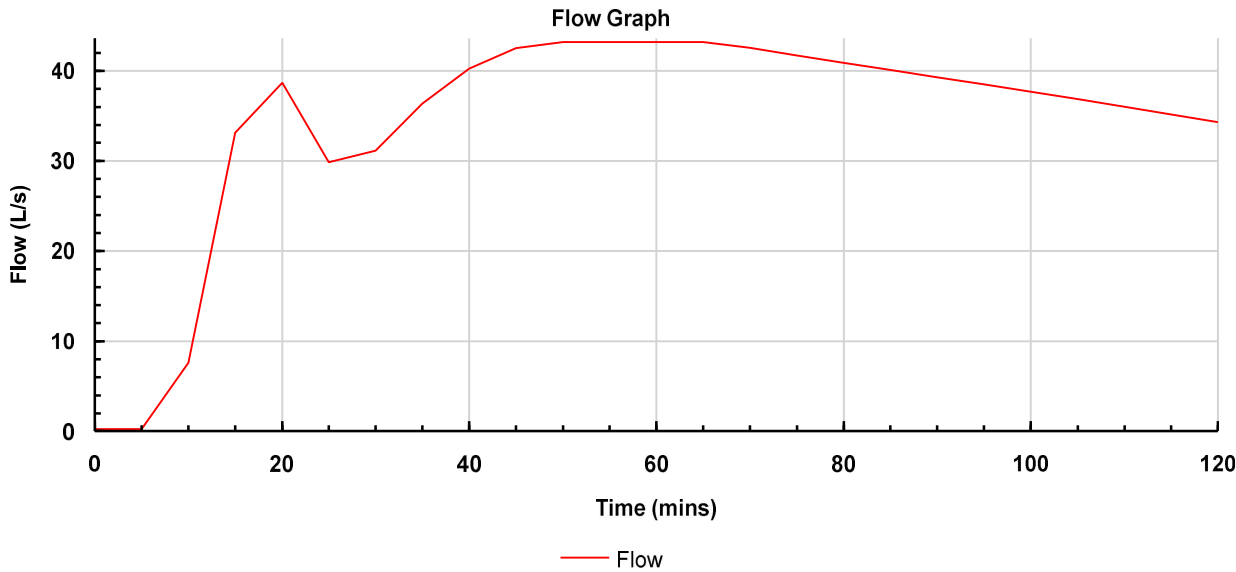
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event			



FC01 > C07
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 60 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.001	0.0
10	0.023	7.4
15	0.047	33.1
20	0.051	38.7
25	0.045	29.8
30	0.046	31.1
35	0.050	36.4
40	0.052	40.2
45	0.054	42.5
50	0.054	43.2
55	0.054	43.2
60	0.054	43.2
65	0.054	43.2
70	0.054	42.5
75	0.053	41.7
80	0.053	40.9
85	0.052	40.1
90	0.052	39.3
95	0.051	38.5
100	0.051	37.7
105	0.050	36.8
110	0.050	36.0
115	0.049	35.1
120	0.048	34.3

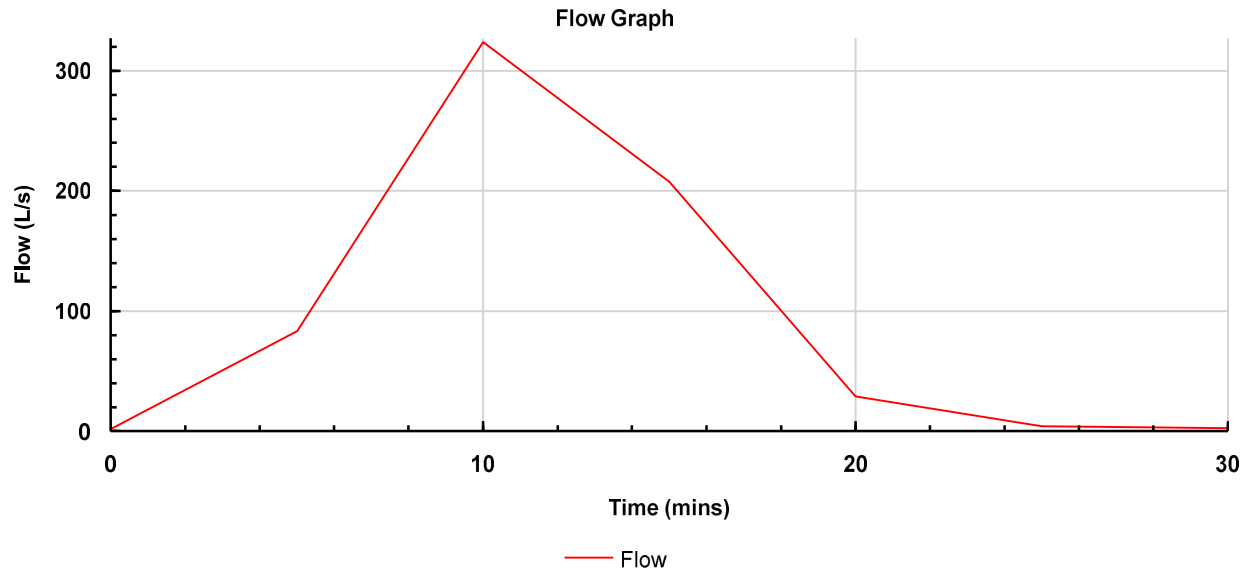
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



07 > TANK
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.104	82.2
10	0.382	324.0
15	0.450	207.0
20	0.450	27.7
25	0.450	2.5
30	0.450	0.8

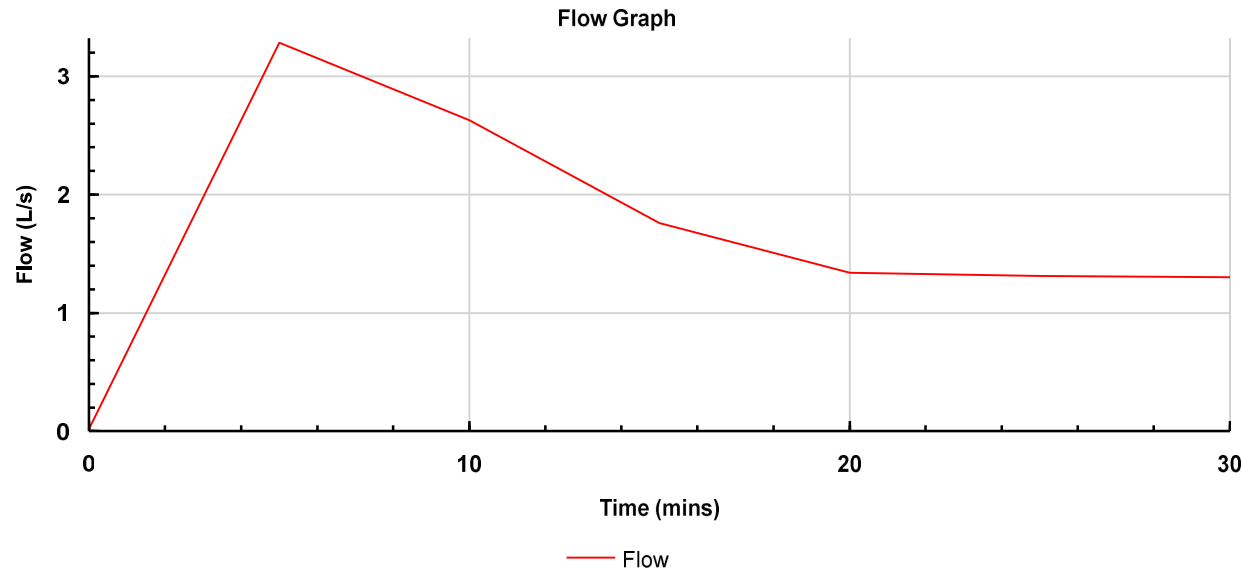
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



TANK 2 > FC02
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.078	3.3
10	0.150	2.6
15	0.150	1.8
20	0.150	1.3
25	0.150	1.3
30	0.150	1.3

Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			

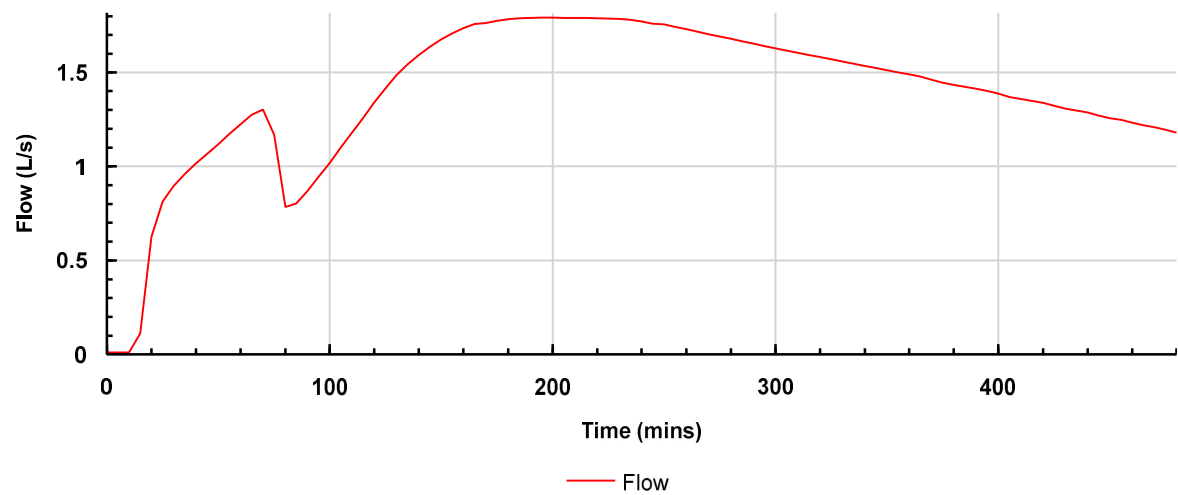


FC02 > 12
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 240 mins: Winter

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.007	0.1
20	0.016	0.6
25	0.018	0.8
30	0.019	0.9
35	0.019	1.0
40	0.020	1.0
45	0.021	1.1
50	0.021	1.1
55	0.021	1.2
60	0.022	1.2
65	0.022	1.3
70	0.023	1.3
75	0.021	1.2
80	0.018	0.8
85	0.018	0.8
90	0.019	0.9
95	0.019	0.9
100	0.020	1.0
105	0.021	1.1
110	0.021	1.2
115	0.022	1.3
120	0.023	1.3
125	0.024	1.4

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Depth (m)	Flow (L/s)
130	0.024	1.5
135	0.025	1.5
140	0.025	1.6
145	0.025	1.6
150	0.026	1.7
155	0.026	1.7
160	0.026	1.7
165	0.026	1.8
170	0.026	1.8
175	0.026	1.8
180	0.026	1.8
185	0.026	1.8
190	0.026	1.8
195	0.026	1.8
200	0.026	1.8
205	0.026	1.8
210	0.026	1.8
215	0.026	1.8
220	0.026	1.8
225	0.026	1.8
230	0.026	1.8
235	0.026	1.8
240	0.026	1.8
245	0.026	1.8
250	0.026	1.8
255	0.026	1.7
260	0.026	1.7
265	0.026	1.7
270	0.026	1.7
275	0.026	1.7
280	0.026	1.7
285	0.026	1.7
290	0.025	1.7
295	0.025	1.6
300	0.025	1.6
305	0.025	1.6
310	0.025	1.6
315	0.025	1.6
320	0.025	1.6
325	0.025	1.6
330	0.025	1.6
335	0.025	1.5
340	0.024	1.5
345	0.024	1.5
350	0.024	1.5
355	0.024	1.5
360	0.024	1.5
365	0.024	1.5
370	0.024	1.5
375	0.024	1.4
380	0.024	1.4
385	0.024	1.4
390	0.024	1.4
395	0.023	1.4
400	0.023	1.4
405	0.023	1.4
410	0.023	1.4
415	0.023	1.3
420	0.023	1.3

Project: Winners Chapel Blackley	Date: 03/04/2025		
	Designed by: JT	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: Phase	Roscoe : Existing site network 2yr storm event		



Time (mins)	Depth (m)	Flow (L/s)
425	0.023	1.3
430	0.023	1.3
435	0.023	1.3
440	0.022	1.3
445	0.022	1.3
450	0.022	1.3
455	0.022	1.2
460	0.022	1.2
465	0.022	1.2
470	0.022	1.2
475	0.022	1.2
480	0.022	1.2

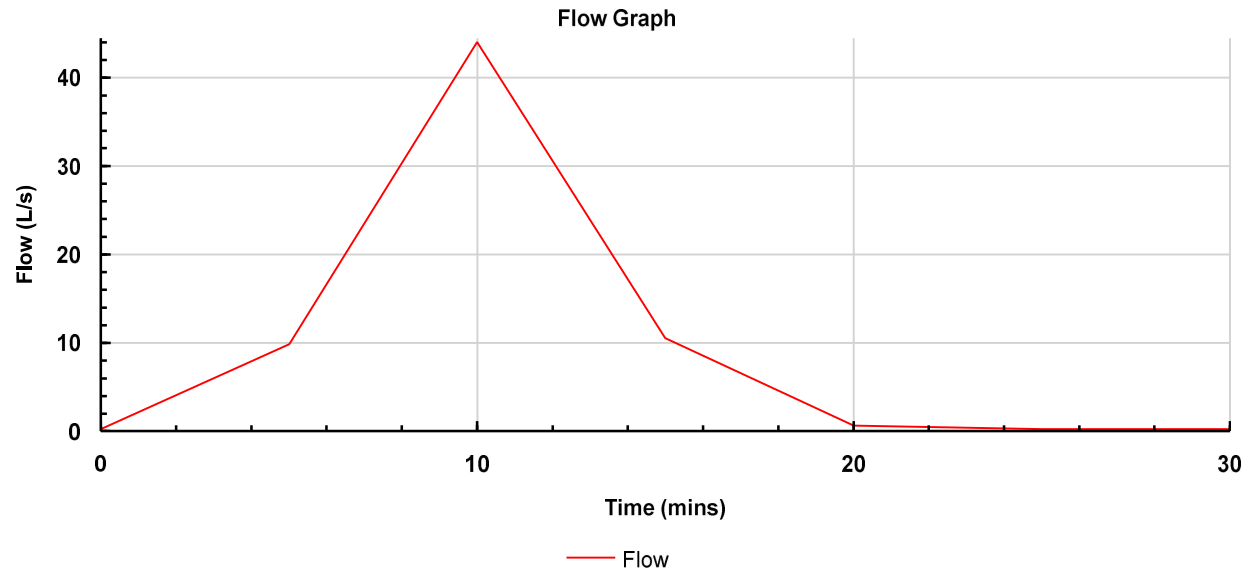
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results	Existing site network			
Storm Phase: Phase	2yr storm event			



11 > TANK 2
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.044	9.7
10	0.150	44.0
15	0.150	10.4
20	0.150	0.4
25	0.150	0.0
30	0.150	0.0

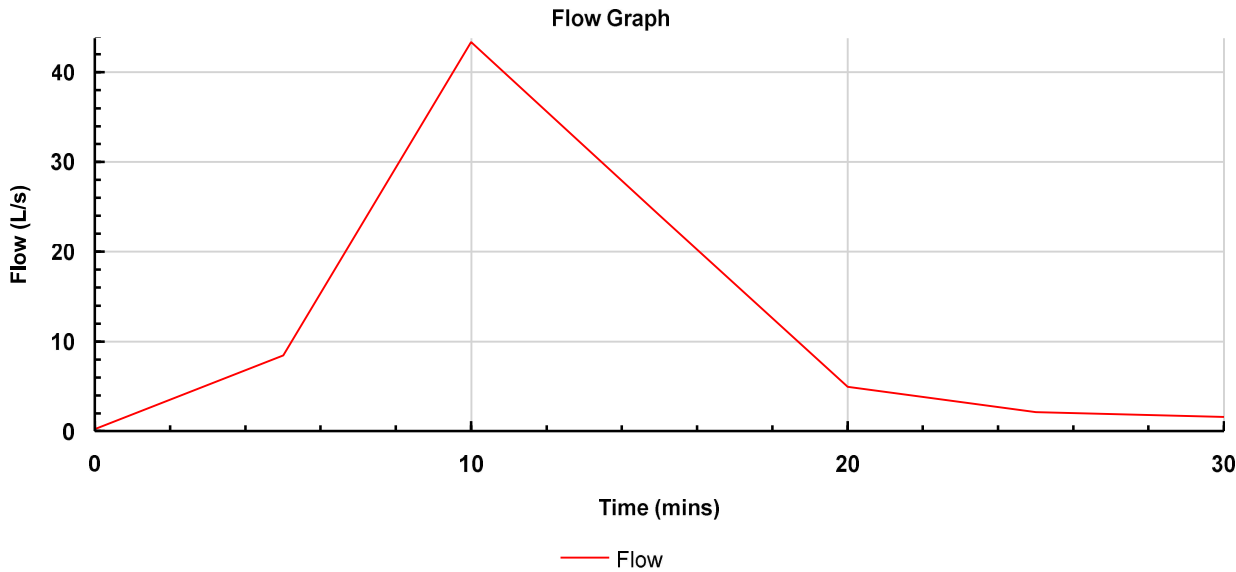
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



10 > BPS01
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.047	8.3
10	0.109	43.4
15	0.096	24.0
20	0.167	4.8
25	0.134	2.0
30	0.087	1.4

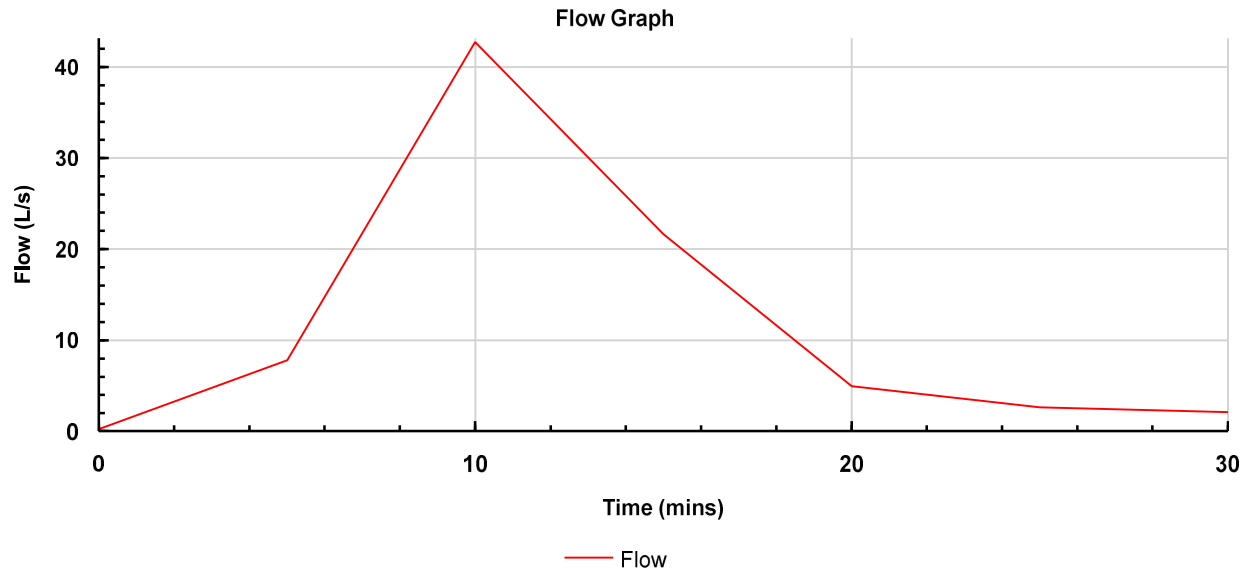
Project: Winners Chapel Blackley	Date: 03/04/2025			
	Designed by: JT	Checked by:	Approved By:	
Report Details:	Roscoe :			
Type: Connection Results Storm Phase: Phase	Existing site network 2yr storm event			



BPS01 > TANK
Critical Storm: FSR (1): 100 years: Increase Rainfall (%): +40: 15 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.039	7.6
10	0.201	42.8
15	0.300	21.5
20	0.300	4.8
25	0.300	2.5
30	0.300	1.9

