

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Inflows Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof Rear Left

Type : Catchment Area

Area (ha)	0.072
-----------	-------

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



Area Roof L Front

Type : Catchment Area

Area (ha)	0.048
-----------	-------

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



Area Service Yard R

Type : Catchment Area

Area (ha)	0.168
-----------	-------

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

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflows Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Service Yard L

Type : Catchment Area

Area (ha)	0.06
-----------	------

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



Area Roof Rear Right

Type : Catchment Area

Area (ha)	0.072
-----------	-------

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

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-01	Manhole	345499.743	390271.917	29.100	1.000	28.100	0.000	Circular
SMH-02	Manhole	345453.782	390216.649	29.100	1.360	27.740	0.000	Circular
SMH-03	Manhole	345483.855	390191.641	29.100	1.625	27.475	0.000	Circular
SMH-04	Manhole	345499.107	390209.980	29.100	1.820	27.280	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular
Existing MH 01	Manhole	345521.278	390191.674	28.800	2.300	26.500	0.000	Circular

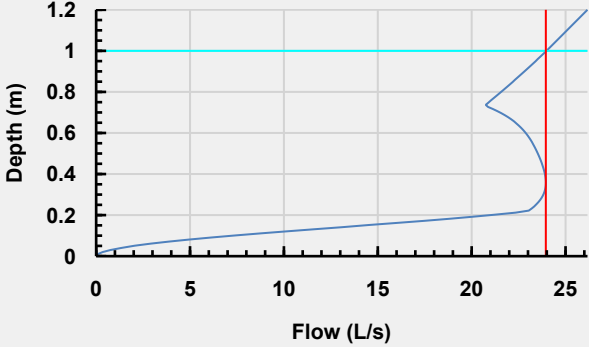
Name	Diameter (m)	Lock
SMH-01	1.000	None
SMH-02	1.000	None
SMH-03	1.000	None
SMH-04	1.500	None
SMH-06	1.500	None
Existing MH 01	1.200	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-01	Inlet	Area Roof Rear Right	(None)	No Restriction
SMH-02	Inlet	Pipe 1.01 Area Roof Rear Left	(None)	No Restriction
SMH-03	Inlet	Pipe 1.02 Area Roof L Front	(None)	No Restriction
	Inlet (1)	Area Service Yard L	(None)	No Restriction
SMH-04	Inlet	Pipe 1.03 Pipe 2.01	(None)	No Restriction
	Inlet (1)	Area Service Yard R	(None)	No Restriction
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction
Existing MH 01	Inlet	Pipe Outfall	(None)	No Restriction

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-01	Outlet	Pipe 1.01	Free Discharge
SMH-02	Outlet	Pipe 1.02	Free Discharge
SMH-03	Outlet	Pipe 1.03	Free Discharge
SMH-04	Outlet	Pipe 1.04	Free Discharge
SMH-06	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
			
Existing MH 01	Outlet	Existing 150	Free Discharge

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF					

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)
Pipe 1.01	71.881	Pipe	199.671		0.6	300	29.100	28.100
Pipe 1.02	39.112	Pipe	205.854		0.6	300	29.100	27.740
Pipe 1.03	23.853	Pipe	198.779		0.6	375	29.100	27.475
Branch: Pipe 2.01								
Pipe 2.01	54.436	Pipe	95.502		0.6	300	29.100	28.000
Pipe 1.04	20.709	Pipe	51.132		0.6	450	29.100	27.280
Branch: Offline Attenuation								
Offline Attenuation	48.738	Pipe	487.376		0.6	600	28.810	27.025
Pipe 5.01	4.682	Pipe	93.642		0.6	600	28.820	26.925
Branch: Pipe 3.01								
Pipe 3.01	50.417	Pipe	100.834		0.6	300	28.850	27.675
Branch: Pipe 4.01								
Pipe 4.01	21.369	Pipe	58.545		0.6	225	28.850	27.615
Pipe Outfall	8.043	Pipe	21.449		0.6	225	28.775	26.875

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 1.01	29.100	27.740		None		(None)	(None)	0
Pipe 1.02	29.100	27.550		Levels		(None)	(None)	0
Pipe 1.03	29.100	27.355		Levels		(None)	(None)	0
Branch: Pipe 2.01								
Pipe 2.01	29.100	27.430		Levels		(None)	(None)	0
Pipe 1.04	28.775	26.875		None		(None)	(None)	0
Branch: Offline Attenuation								
Offline Attenuation	28.820	26.925		None		(None)	(None)	0
Pipe 5.01	28.775	26.875		None		(None)	(None)	0
Branch: Pipe 3.01								
Pipe 3.01	28.775	27.175		Levels		(None)	(None)	0
Branch: Pipe 4.01								
Pipe 4.01	28.775	27.250		Levels		(None)	(None)	0
Pipe Outfall	28.800	26.500		None	24.0	(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 1.01		0		
Pipe 1.02		0		
Pipe 1.03		0		
Branch: Pipe 2.01				
Pipe 2.01		0		
Pipe 1.04		0		
Branch: Offline Attenuation				
Offline Attenuation		0		
Pipe 5.01		0		
Branch: Pipe 3.01				
Pipe 3.01		0		
Branch: Pipe 4.01				
Pipe 4.01		0		
Pipe Outfall		0		

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Area Roof Rear Right	SMH-01		Time of Concentration	0.072	100	0	100	0.072
Area Roof Rear Left	SMH-02		Time of Concentration	0.072	100	0	100	0.072
Area Roof L Front	SMH-03		Time of Concentration	0.048	100	0	100	0.048
Area Service Yard L	SMH-03		Time of Concentration	0.060	100	0	100	0.060
Branch: Pipe 2.01								
Area Roof R Front	SMH-05		Time of Concentration	0.096	100	0	100	0.096
Area Service Yard R	SMH-04		Time of Concentration	0.168	100	0	100	0.168
Branch: Offline Attenuation								
Branch: Pipe 3.01								
Branch: Pipe 4.01								
TOTAL		0.0		0.517				0.517

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflows Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof R Front

Type : Catchment Area

Area (ha)	0.096
-----------	-------

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



Area Service Yard R

Type : Catchment Area

Area (ha)	0.168
-----------	-------

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

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
SMH-05	Manhole	345533.916	390251.833	29.100	1.100	28.000	Circular	1.000
SMH-04	Manhole	345499.107	390209.980	29.100	1.820	27.280	Circular	1.500

Name	Lock
SMH-05	None
SMH-04	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-05	Inlet	Area Roof R Front	(None)	No Restriction
SMH-04	Inlet	Pipe 1.03 Pipe 2.01	(None)	No Restriction
	Inlet (1)	Area Service Yard R	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-05	Outlet	Pipe 2.01	Free Discharge
SMH-04	Outlet	Pipe 1.04	Free Discharge

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connections Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

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)
Pipe 2.01	54.436	Pipe	95.502		0.6	300	29.100	28.000

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 2.01	29.100	27.430		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 2.01		0		

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
Area Roof R Front	SMH-05		Time of Concentration	0.096	100	0	100	0.096
Area Service Yard R	SMH-04		Time of Concentration	0.168	100	0	100	0.168
TOTAL		0.0		0.264				0.264

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

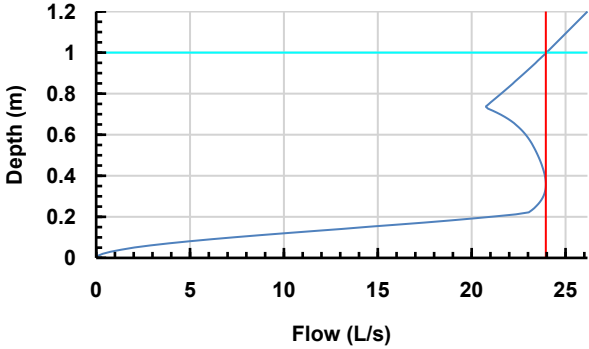
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-08	Manhole	345547.269	390235.499	28.850	1.175	27.675	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
SMH-08	1.000	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-08	Outlet	Pipe 3.01	Free Discharge
	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
SMH-06			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connections Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

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)
Pipe 3.01	50.417	Pipe	100.834		0.6	300	28.850	27.675

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 3.01	28.775	27.175		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 3.01		0		

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

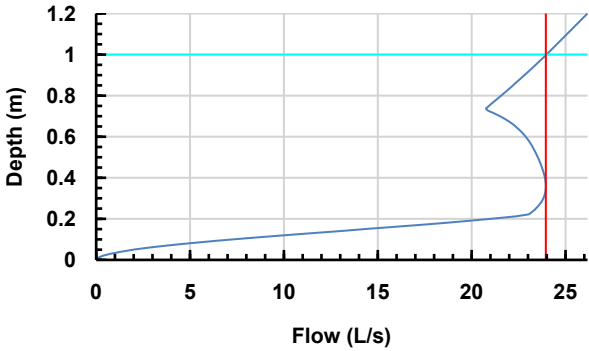
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
SMH-07	Manhole	345501.363	390180.309	28.850	1.235	27.615	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
SMH-07	1.000	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
SMH-07	Outlet	Pipe 4.01	Free Discharge
	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
SMH-06			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connections Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

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)
Pipe 4.01	21.369	Pipe	58.545		0.6	225	28.850	27.615

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Pipe 4.01	28.775	27.250		Levels		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Pipe 4.01		0		

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

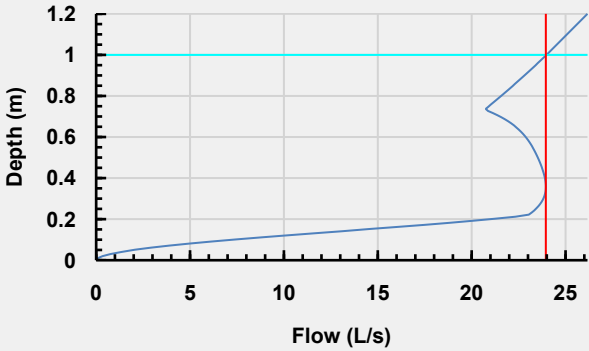
Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Sump Depth (m)	Chamber Shape
Manhole Att Tank	Manhole	345546.345	390238.778	28.810	1.785	27.025	0.000	Circular
SW-MH AT 01	Manhole	345515.045	390201.420	28.820	1.895	26.925	0.000	Circular
SMH-06	Manhole	345515.028	390196.738	28.775	2.200	26.575	0.300	Circular

Name	Diameter (m)	Lock
Manhole Att Tank	1.200	None
SW-MH AT 01	1.500	None
SMH-06	1.500	None

Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
SW-MH AT 01	Inlet	Offline Attenuation	(None)	No Restriction
SMH-06	Inlet	Pipe 3.01 Pipe 4.01 Pipe 5.01 Pipe 1.04	(None)	No Restriction

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
Manhole Att Tank	Outlet	Offline Attenuation	Free Discharge
SW-MH AT 01	Outlet	Pipe 5.01	Free Discharge
SMH-06	Outlet	Pipe Outfall	Hydro-Brake®
	Invert Level (m)	27.175	
	Design Depth (m)	1.000	
	Design Flow (L/s)	24.0	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0215-2400-1000-2400	
			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connections Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

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)
Offline Attenuation	48.738	Pipe	487.376		0.6	600	28.810	27.025
Pipe 5.01	4.682	Pipe	93.642		0.6	600	28.820	26.925

Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance	Wall Thickness (mm)
Offline Attenuation	28.820	26.925		None		(None)	(None)	0
Pipe 5.01	28.775	26.875		None		(None)	(None)	0

Name	Material	Trench Width (mm)	Bedding Material	Surrounding Material
Offline Attenuation		0		
Pipe 5.01		0		

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflow Summary Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
TOTAL		0.0		0.00				0.00

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Network Design Criteria Storm Phase: SW Drainage Design		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

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	☐

Manhole Options

Apply Offset	☐
--------------	--------------------------

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Outfall Details Storm Phase: SW Drainage Design		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Existing MH 02	Free Discharge			

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
Report Title: Rainfall Analysis Criteria	Designed by: MDJ	Checked by:	Approved By:	
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

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)	200
Prefill Manhole Sumps	☒
Perform No Discharge Analysis	☐

Rainfall

FSR	Type: FSR
-----	-----------

Region	England And Wales
M5-60 (mm)	19.9
Ratio R	0.387
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
30.0	0.000

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
180	360
240	480
360	720
480	960
600	1200
720	1440
960	1920
1440	2880

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: SW Drainage Design		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 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)
Area Roof Rear Left	FSR: 30 years: +0 %: 15 mins: Summer	0.07	31.1	13.505
Area Roof R Front	FSR: 30 years: +0 %: 15 mins: Summer	0.10	41.3	17.907
Area Roof L Front	FSR: 30 years: +0 %: 15 mins: Summer	0.05	20.9	9.043
Area Service Yard R	FSR: 30 years: +0 %: 15 mins: Summer	0.17	72.2	31.334
Area Service Yard L	FSR: 30 years: +0 %: 15 mins: Summer	0.06	25.7	11.160
Area Roof Rear Right	FSR: 30 years: +0 %: 15 mins: Summer	0.07	31.2	13.520

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-01	FSR: 30 years: +0 %: 15 mins: Summer	29.10 0	28.10 0	28.225	0.125	31.2	0.098	0.000	28.9	13.535	OK
SMH-02	FSR: 30 years: +0 %: 15 mins: Summer	29.10 0	27.74 0	27.931	0.191	60.0	0.150	0.000	50.4	26.907	OK
SMH-03	FSR: 30 years: +0 %: 15 mins: Summer	29.10 0	27.47 5	27.719	0.244	96.9	0.192	0.000	92.0	47.065	OK
SMH-04	FSR: 30 years: +0 %: 180 mins: Summer	29.10 0	27.28 0	27.680	0.400	71.5	0.707	0.000	69.7	215.110	OK
SMH-06	FSR: 30 years: +0 %: 180 mins: Winter	28.77 5	26.57 5	28.646	2.071	152.3	3.660	0.000	24.6	384.762	Flood Risk
Existing MH 01	FSR: 30 years: +0 %: 120 mins: Summer	28.80 0	26.50 0	27.258	0.758	23.9	0.857	0.000	23.8	130.447	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

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
Pipe 1.01	FSR: 30 years: +0 %: 1440 mins: Winter	Pipe	SMH-01	SMH-02	29.100	28.128	0.034	48.283	0.3	0.02	1.4	OK
Pipe 1.02	FSR: 30 years: +0 %: 1440 mins: Summer	Pipe	SMH-02	SMH-03	29.100	27.789	0.049	96.488	0.6	0.06	4.4	OK
Pipe 1.03	FSR: 30 years: +0 %: 1440 mins: Winter	Pipe	SMH-03	SMH-04	29.100	27.524	0.048	168.760	0.6	0.03	4.9	OK
Pipe 1.04	FSR: 30 years: +0 %: 1440 mins: Winter	Pipe	SMH-04	SMH-06	29.100	27.335	0.256	344.686	0.2	0.02	10.1	OK
Pipe Outfall	FSR: 30 years: +0 %: 1440 mins: Winter	Pipe	SMH-06	Existing MH 01	28.775	27.332	0.066	308.988	1.0	0.09	9.8	Surcharged

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-05	FSR: 30 years: +0 %: 15 mins: Summer	29.10 0	28.00 0	28.124	0.124	41.3	0.098	0.000	37.9	17.881	OK
SMH-04	FSR: 30 years: +0 %: 180 mins: Summer	29.10 0	27.28 0	27.680	0.400	71.5	0.707	0.000	69.7	215.110	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Designed by: MDJ	Checked by:		Approved By:
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF					



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

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
Pipe 2.01	FSR: 30 years: +0 %: 1440 mins: Winter	Pipe	SMH-05	SMH-04	29.100	28.027	0.027	63.965	0.6	0.02	1.9	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-08	FSR: 30 years: +0 %: 360 mins: Summer	28.850	27.675	27.947	0.272	51.8	0.213	0.000	0.8	3.137	OK
SMH-06	FSR: 30 years: +0 %: 180 mins: Winter	28.775	26.575	28.646	2.071	152.3	3.660	0.000	24.6	384.762	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

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
Pipe 3.01	FSR: 30 years: +0 %: 60 mins: Winter	Pipe	SMH-08	SMH-06	28.850	27.706	0.195	0.961	0.1	0.02	2.7	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
SMH-07	FSR: 30 years: +0 %: 120 mins: Summer	28.850	27.615	27.731	0.116	0.3	0.091	0.000	14.1	2.253	OK
SMH-06	FSR: 30 years: +0 %: 180 mins: Winter	28.775	26.575	28.646	2.071	152.3	3.660	0.000	24.6	384.762	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF					



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

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
Pipe 4.01	FSR: 30 years: +0 %: 240 mins: Summer	Pipe	SMH-07	SMH-06	28.850	27.648	0.167	1.154	0.1	0.05	3.7	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junctions Summary Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



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

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
Manhole Att Tank	FSR: 30 years: +0 %: 120 mins: Summer	28.81 0	27.02 5	27.622	0.597	135.4	0.676	0.000	14.2	83.894	OK
SW-MH AT 01	FSR: 30 years: +0 %: 120 mins: Summer	28.82 0	26.92 5	27.640	0.715	71.8	1.264	0.000	653.8	241.169	Surcharged
SMH-06	FSR: 30 years: +0 %: 180 mins: Winter	28.77 5	26.57 5	28.646	2.071	152.3	3.660	0.000	24.6	384.762	Flood Risk

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connections Summary Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



FSR: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Total Discharge Volume

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
Offline Attenuation	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	Manhole Att Tank	SW-MH AT 01	28.810	27.387	0.412	0.000	0.0	0	8.7	OK
Pipe 5.01	FSR: 30 years: +0 %: 15 mins: Summer	Pipe	SW-MH AT 01	SMH-06	28.820	27.387	0.486	0.000	0.1	0.02	13.0	OK

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Phase Management Storm Phase: SW Drainage Design	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



SW Drainage Design
FSR: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

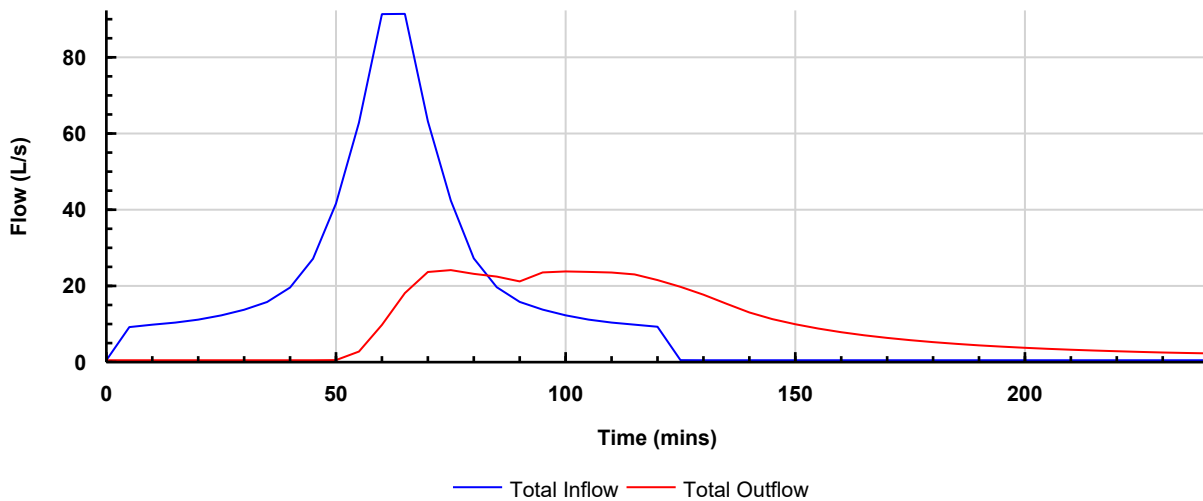
Simulation Health - The results show flow continuity issues, please try a shorter time step.

Tables

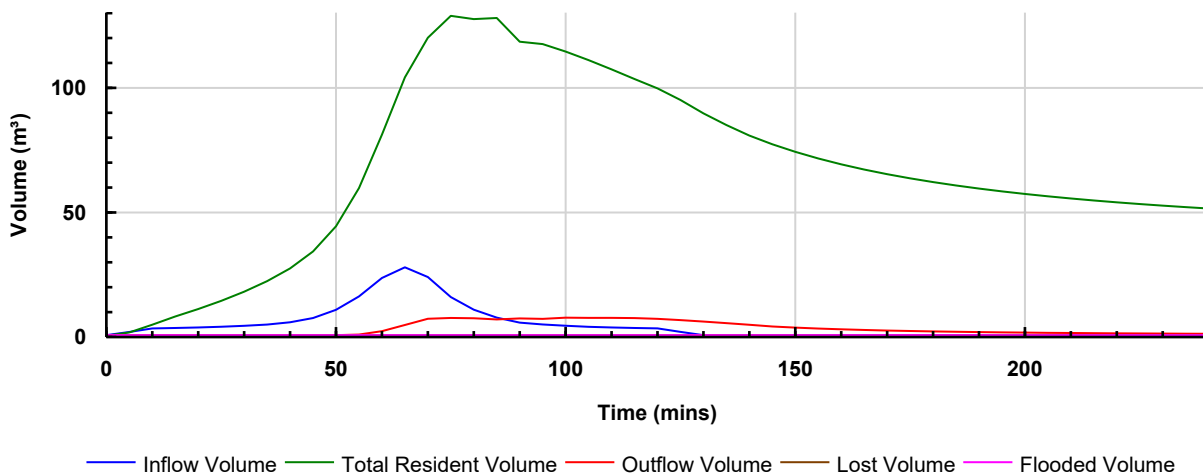
Name	Max. Inflow (L/s)	Total Inflow Volume (m³)	Max. Outflow (L/s)	Total Outflow Volume (m³)
Existing MH 02			23.8	130.447
TOTAL	91.4	192.706	23.8	130.447

Graphs

Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
Report Details:	Company Address:			
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	MDJ Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof Rear Left

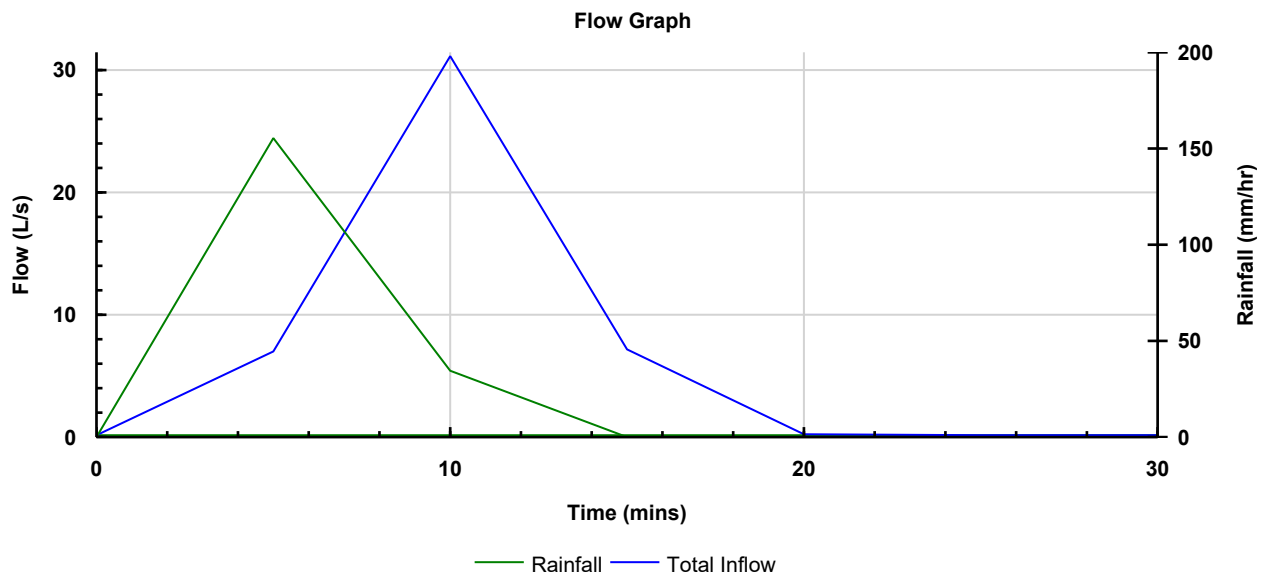
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	31.1
Total Inflow Volume (m³)	13.505

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof L Front

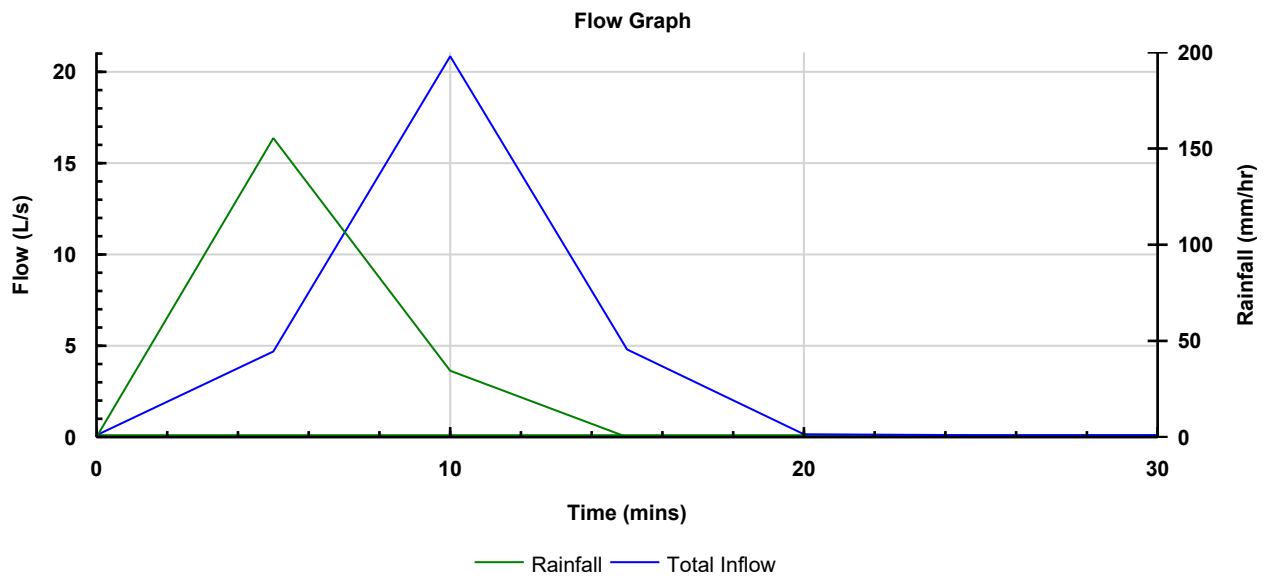
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	20.9
Total Inflow Volume (m³)	9.043

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0			Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



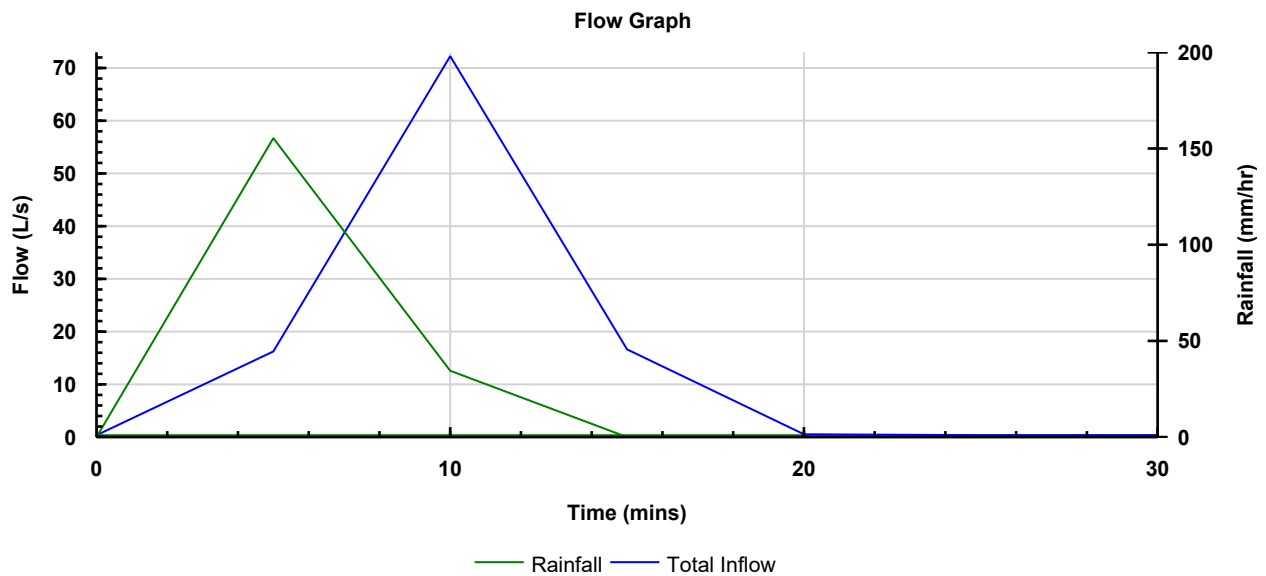
Area Service Yard R
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	72.2
Total Inflow Volume (m³)	31.334

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



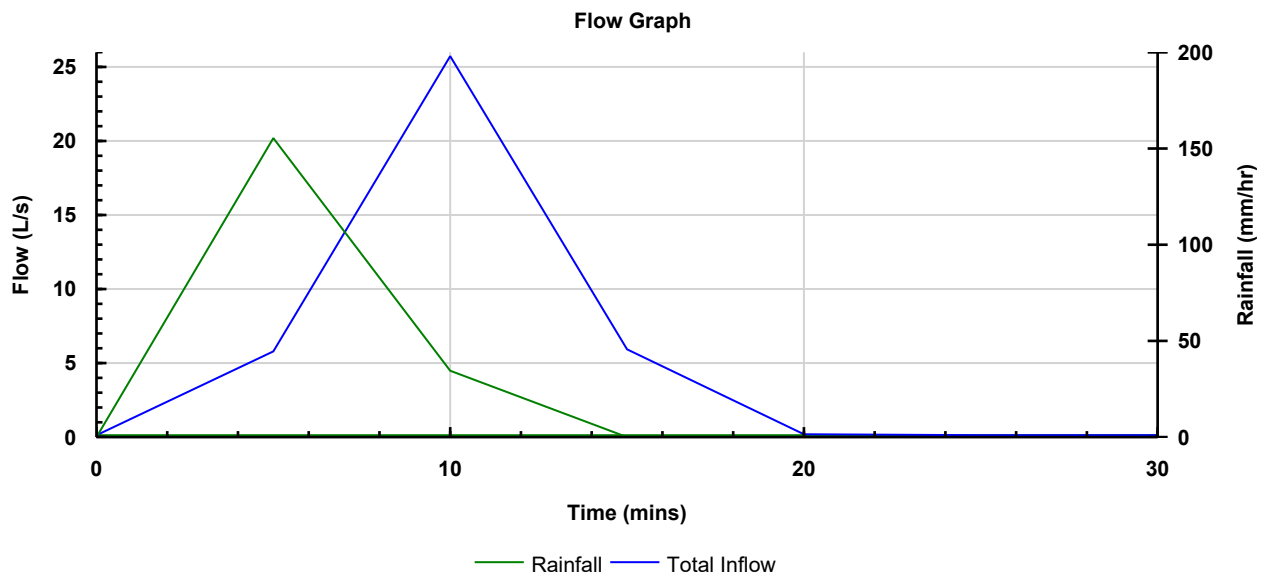
Area Service Yard L
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	25.7
Total Inflow Volume (m³)	11.160

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



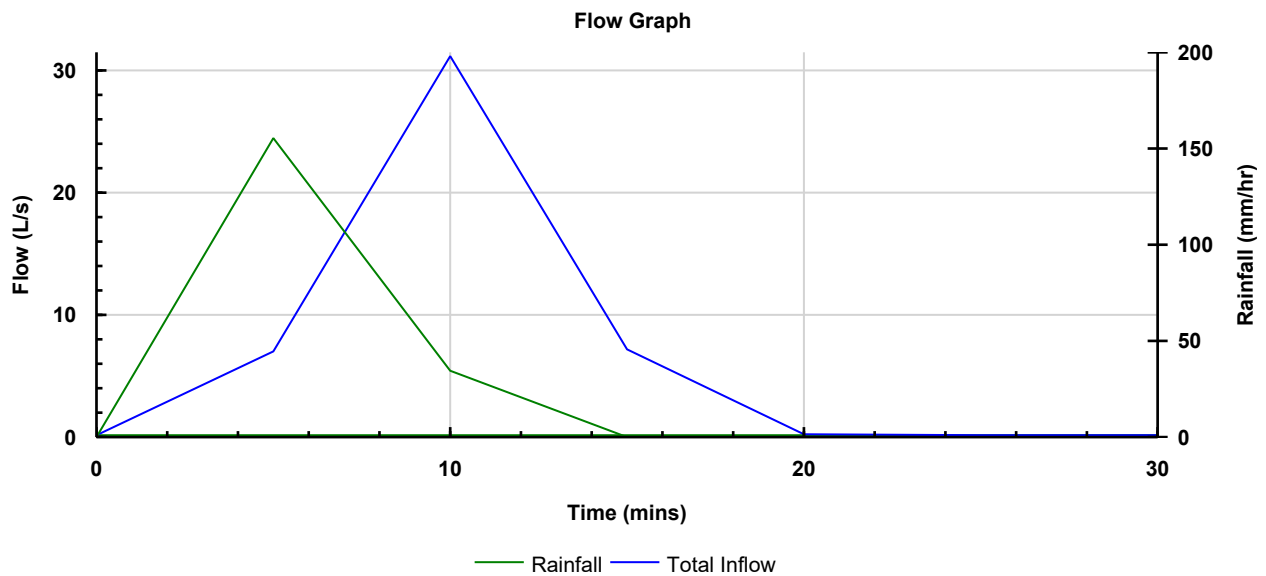
Area Roof Rear Right

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow	
Max. Inflow (L/s)	31.2
Total Inflow Volume (m³)	13.520

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

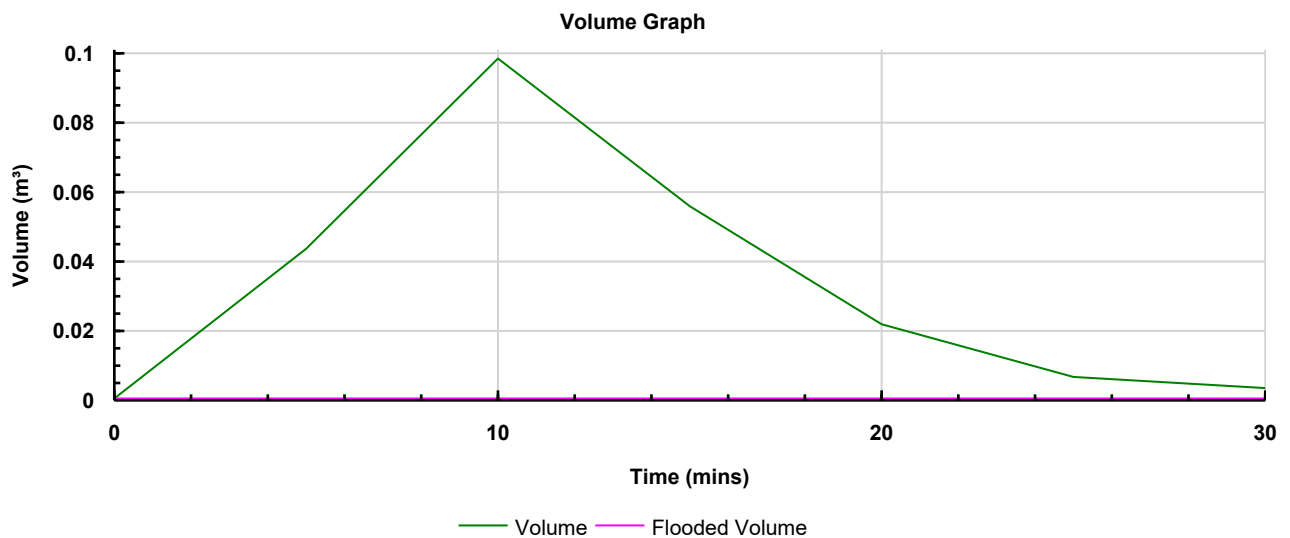
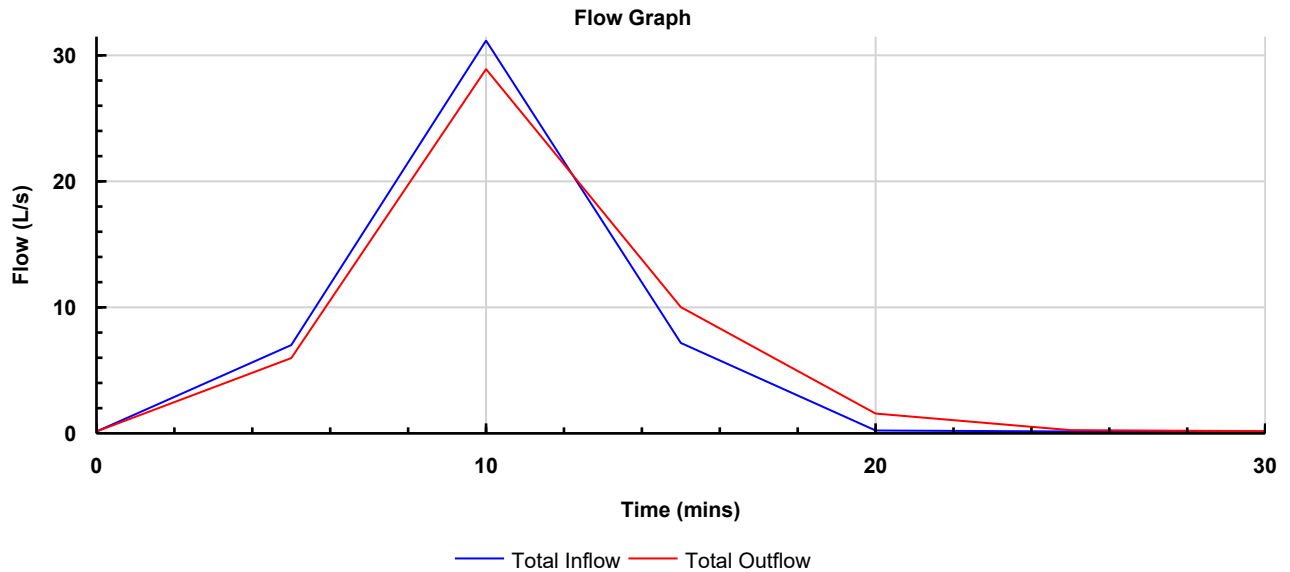


SMH-01

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

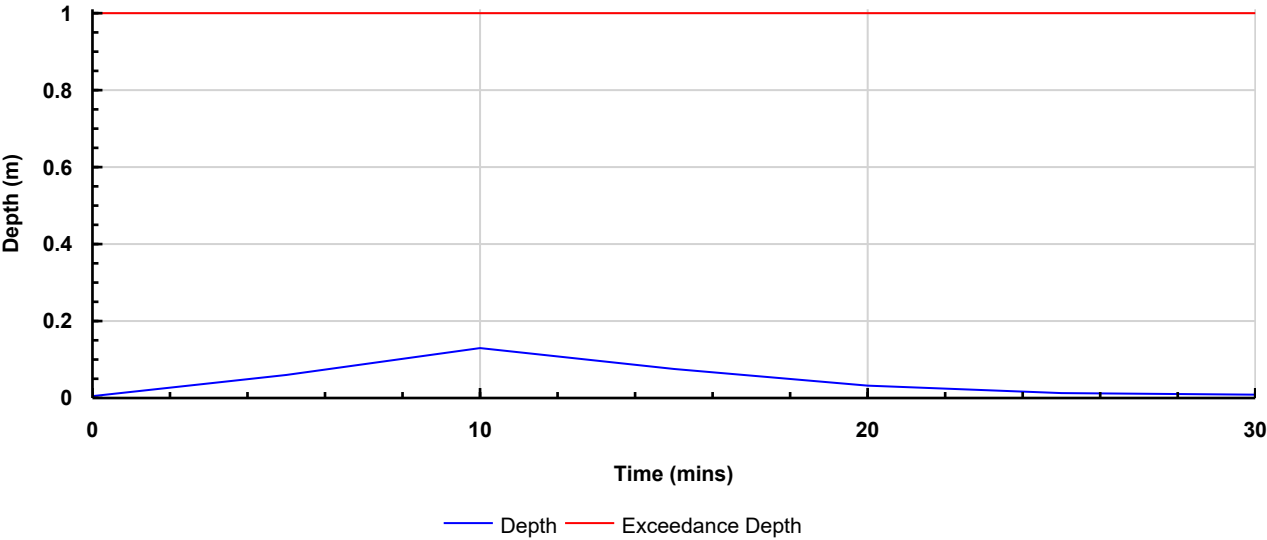
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0			Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	6.9	6.9	6.9	0.055	0.043	0.000	5.9
10	31.2	31.2	31.2	0.125	0.098	0.000	28.9
15	7.1	7.1	7.1	0.071	0.056	0.000	9.9
20	0.1	0.1	0.1	0.027	0.022	0.000	1.4
25	0.0	0.0	0.0	0.008	0.006	0.000	0.1
30	0.0	0.0	0.0	0.004	0.003	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	5.9
10	28.9
15	9.9
20	1.4
25	0.1
30	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0			Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



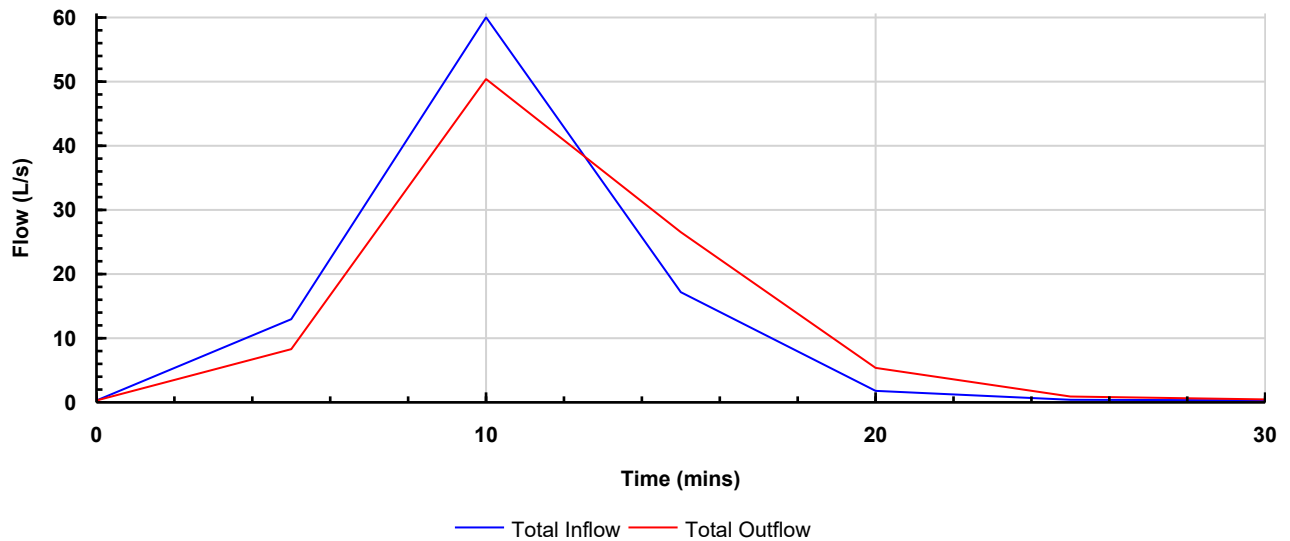
SMH-02

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

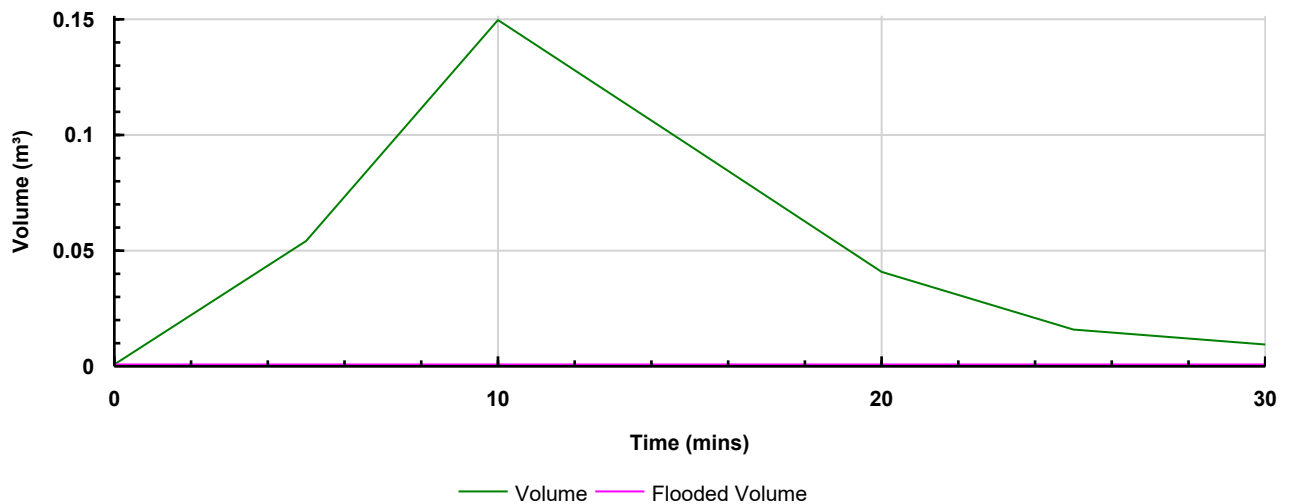
Type : Manhole

Graphs

Flow Graph

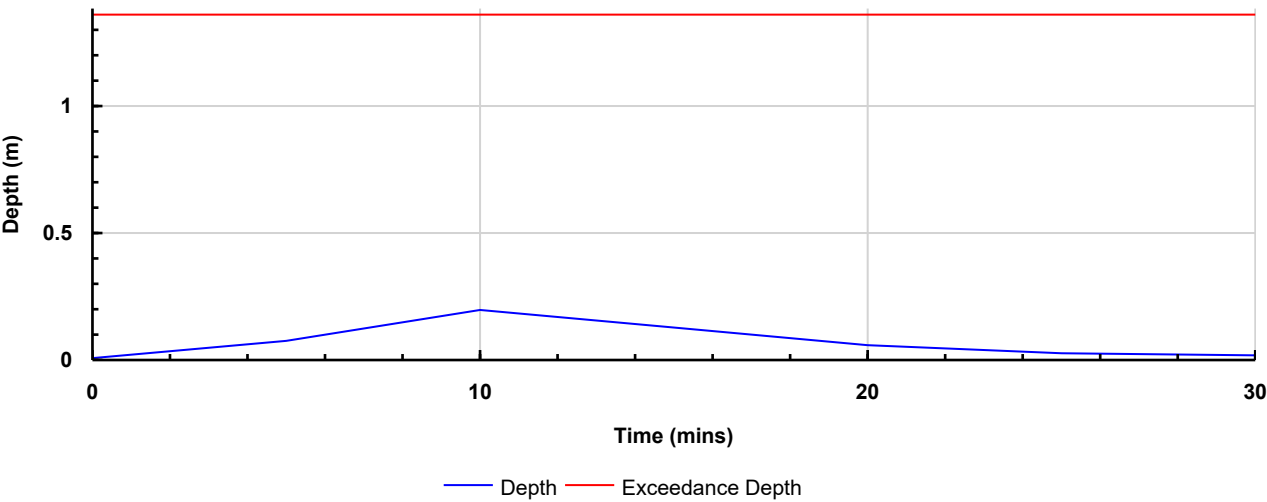


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	12.7	12.7	12.7	0.068	0.054	0.000	8.0
10	60.0	60.0	60.0	0.191	0.150	0.000	50.4
15	17.0	17.0	17.0	0.121	0.095	0.000	26.4
20	1.5	1.5	1.5	0.051	0.040	0.000	5.1
25	0.1	0.1	0.1	0.019	0.015	0.000	0.6
30	0.0	0.0	0.0	0.011	0.009	0.000	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0				
Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF				

Time (mins)	Total Outflow (L/s)
0	0.0
5	8.0
10	50.4
15	26.4
20	5.1
25	0.6
30	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



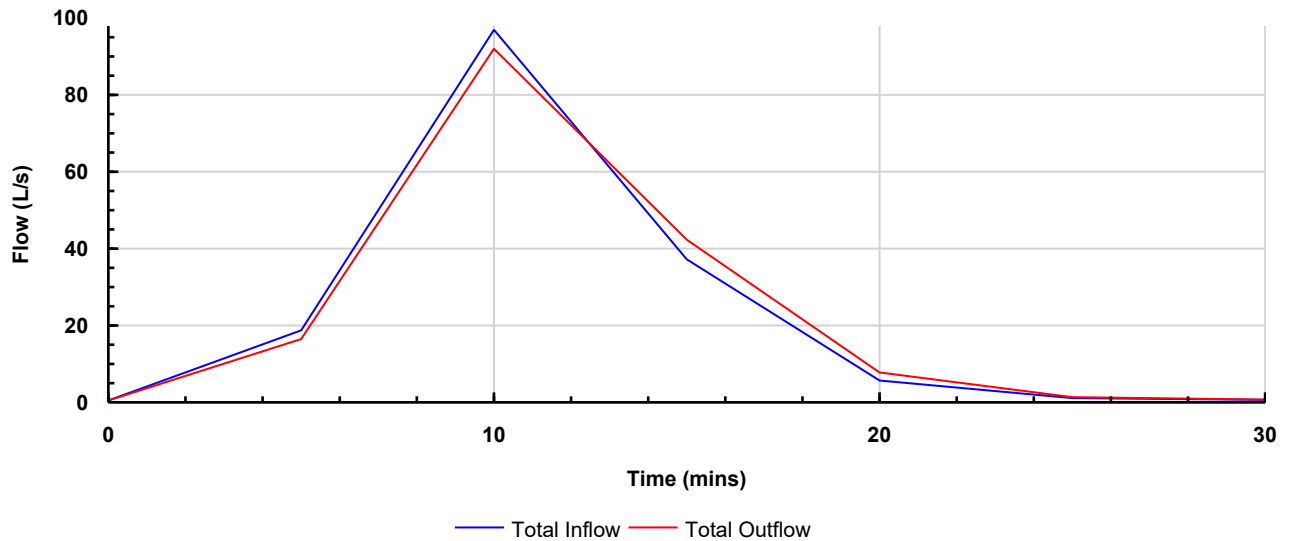
SMH-03

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

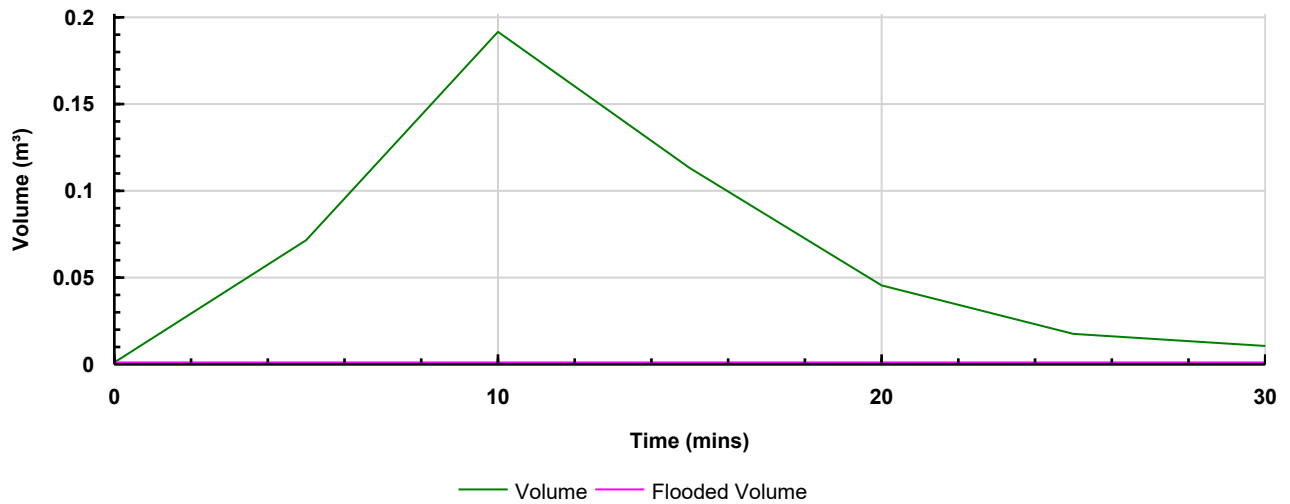
Type : Manhole

Graphs

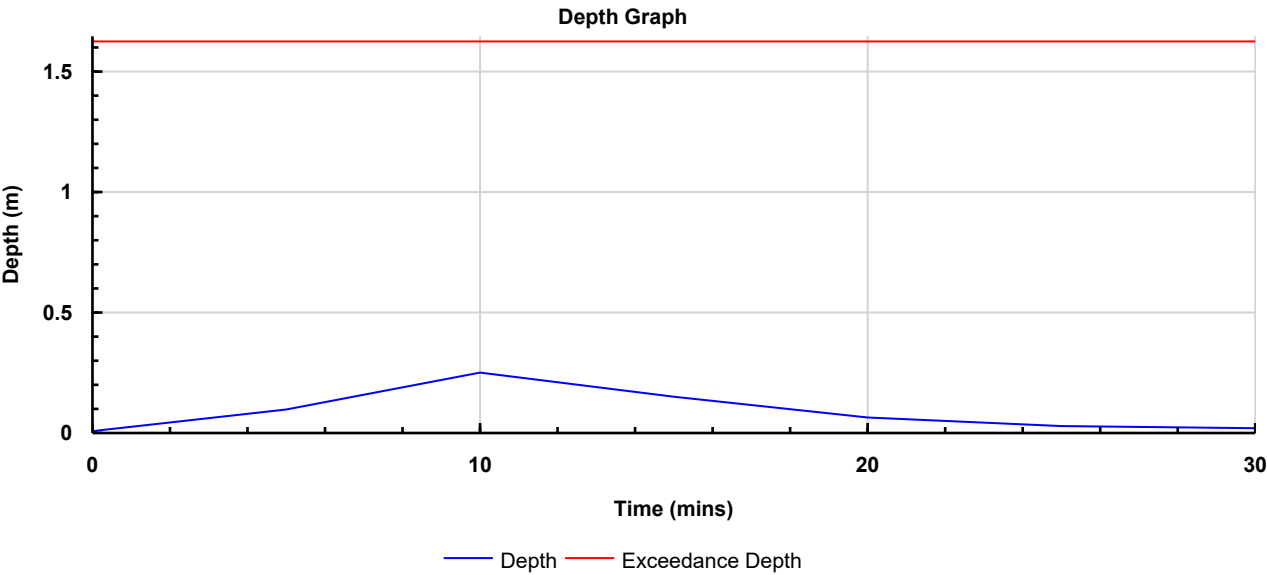
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	18.3	12.6	5.7	18.3	0.090	0.071	0.000
10	96.9	71.2	25.7	96.9	0.244	0.192	0.000
15	36.9	31.1	5.8	36.9	0.143	0.113	0.000
20	5.2	5.2	0.1	5.2	0.057	0.045	0.000
25	0.6	0.6	0.0	0.6	0.021	0.017	0.000
30	0.2	0.2	0.0	0.2	0.012	0.010	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	16.1	16.1
10	92.0	92.0
15	42.1	42.1
20	7.3	7.3
25	0.9	0.9
30	0.2	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



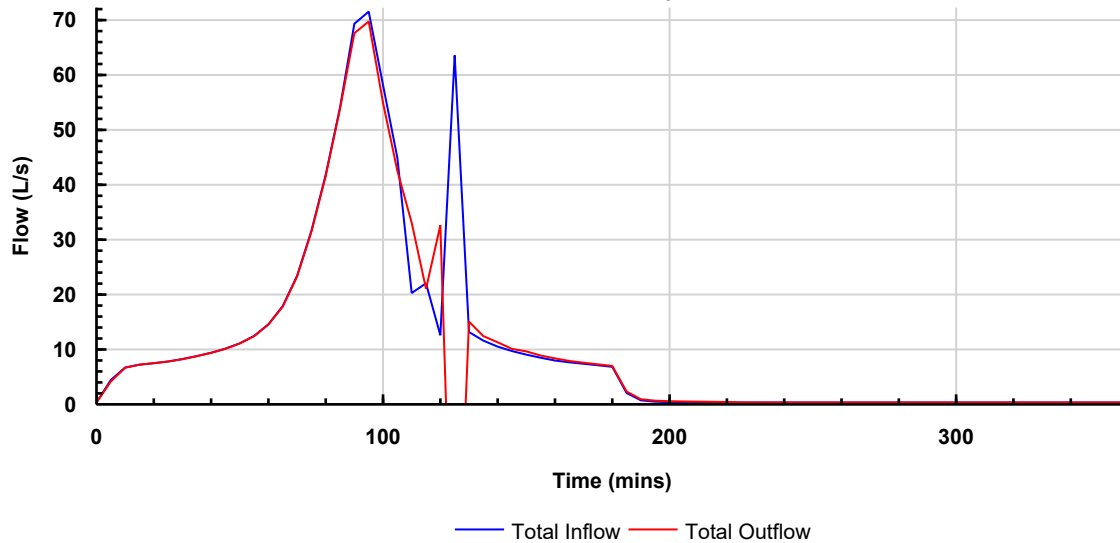
SMH-04

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Summer

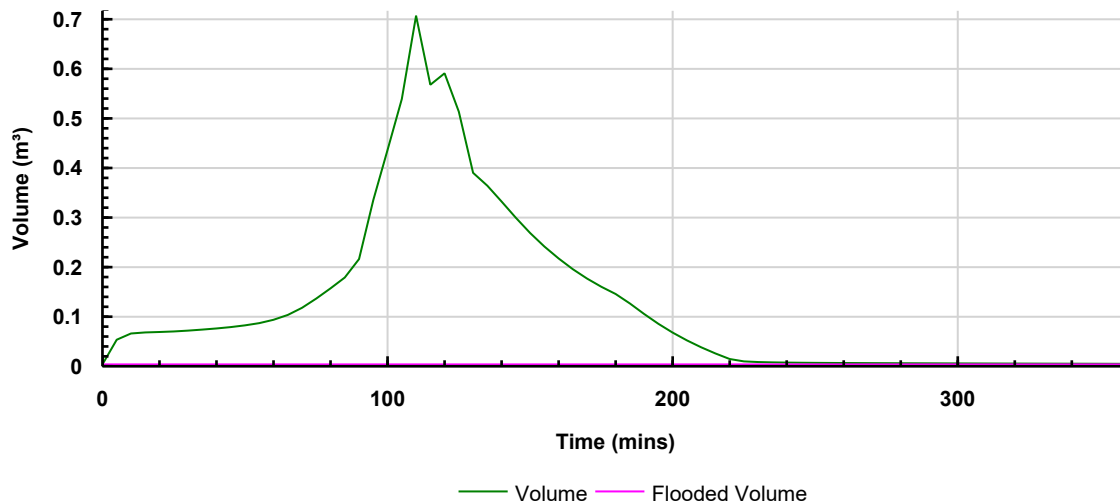
Type : Manhole

Graphs

Flow Graph

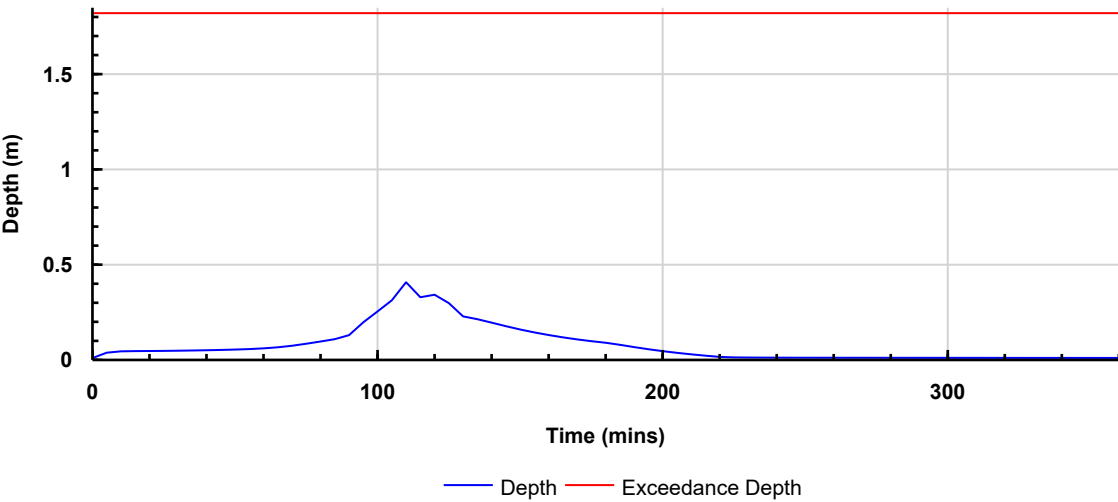


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	4.1	2.1	2.0	4.1	0.028	0.050	0.000
10	6.4	4.2	2.2	6.4	0.035	0.063	0.000
15	6.9	4.6	2.3	6.9	0.037	0.065	0.000
20	7.2	4.8	2.4	7.2	0.037	0.066	0.000
25	7.5	5.0	2.5	7.5	0.038	0.067	0.000
30	7.9	5.3	2.6	7.9	0.039	0.068	0.000
35	8.5	5.7	2.8	8.5	0.040	0.071	0.000
40	9.1	6.1	3.0	9.1	0.041	0.073	0.000
45	9.9	6.6	3.3	9.9	0.043	0.076	0.000
50	10.8	7.2	3.6	10.8	0.045	0.079	0.000
55	12.2	8.1	4.1	12.2	0.047	0.084	0.000
60	14.3	9.5	4.8	14.3	0.051	0.090	0.000
65	17.7	11.7	6.0	17.7	0.057	0.100	0.000
70	23.2	15.3	7.9	23.2	0.065	0.115	0.000
75	31.4	20.7	10.7	31.4	0.076	0.134	0.000
80	41.7	27.6	14.1	41.7	0.087	0.154	0.000
85	54.0	35.9	18.1	54.0	0.100	0.176	0.000
90	69.3	46.1	23.2	69.3	0.121	0.214	0.000
95	71.5	48.3	23.2	71.5	0.189	0.333	0.000
100	58.1	39.9	18.2	58.1	0.246	0.435	0.000
105	44.8	30.6	14.2	44.8	0.305	0.538	0.000
110	20.0	9.3	10.8	20.0	0.400	0.707	0.000
115	21.8	13.9	7.9	21.8	0.321	0.567	0.000
120	12.3	6.3	6.0	12.3	0.334	0.590	0.000
125	13.4	8.6	4.8	63.5	0.290	0.512	0.000
130	12.9	8.8	4.1	12.9	0.220	0.388	0.000
135	11.3	7.7	3.6	11.3	0.205	0.362	0.000
140	10.2	7.0	3.3	10.2	0.187	0.330	0.000
145	9.4	6.4	3.0	9.4	0.168	0.297	0.000
150	8.8	6.0	2.8	8.8	0.151	0.266	0.000
155	8.2	5.6	2.6	8.2	0.135	0.239	0.000
160	7.7	5.2	2.5	7.7	0.122	0.215	0.000
165	7.3	5.0	2.4	7.3	0.109	0.193	0.000
170	7.1	4.8	2.3	7.1	0.098	0.174	0.000
175	6.8	4.6	2.2	6.8	0.089	0.157	0.000
180	6.5	4.4	2.1	6.5	0.081	0.143	0.000
185	1.7	1.7	0.0	1.7	0.070	0.124	0.000
190	0.4	0.4	0.0	0.4	0.058	0.102	0.000
195	0.1	0.1	0.0	0.1	0.047	0.082	0.000
200	0.1	0.1	0.0	0.1	0.036	0.064	0.000
205	0.0	0.0	0.0	0.0	0.028	0.049	0.000
210	0.0	0.0	0.0	0.0	0.020	0.035	0.000
215	0.0	0.0	0.0	0.0	0.013	0.022	0.000
220	0.0	0.0	0.0	0.0	0.006	0.011	0.000
225	0.0	0.0	0.0	0.0	0.003	0.006	0.000
230	0.0	0.0	0.0	0.0	0.003	0.005	0.000
235	0.0	0.0	0.0	0.0	0.002	0.004	0.000
240	0.0	0.0	0.0	0.0	0.002	0.004	0.000
245	0.0	0.0	0.0	0.0	0.002	0.003	0.000
250	0.0	0.0	0.0	0.0	0.002	0.003	0.000
255	0.0	0.0	0.0	0.0	0.002	0.003	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	3.8	3.8
10	6.4	6.4
15	6.9	6.9
20	7.2	7.2
25	7.5	7.5
30	7.9	7.9
35	8.5	8.5
40	9.1	9.1
45	9.8	9.8
50	10.8	10.8
55	12.1	12.1
60	14.2	14.2
65	17.5	17.5
70	23.0	23.0
75	31.2	31.2
80	41.5	41.5
85	53.8	53.8
90	67.6	67.6
95	69.7	69.7
100	54.8	54.8
105	42.4	42.4
110	32.9	32.9
115	20.8	20.8
120	32.4	32.4
125	-49.5	-49.5
130	14.8	14.8
135	12.1	12.1
140	11.0	11.0
145	9.8	9.8
150	9.3	9.3
155	8.6	8.6
160	8.1	8.1
165	7.6	7.6
170	7.3	7.3
175	7.0	7.0
180	6.7	6.7
185	2.0	2.0
190	0.6	0.6
195	0.3	0.3
200	0.2	0.2
205	0.2	0.2
210	0.2	0.2
215	0.1	0.1
220	0.1	0.1
225	0.0	0.0
230	0.0	0.0
235	0.0	0.0
240	0.0	0.0
245	0.0	0.0
250	0.0	0.0
255	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
260	0.0	0.0	0.0	0.0	0.002	0.003	0.000
265	0.0	0.0	0.0	0.0	0.001	0.003	0.000
270	0.0	0.0	0.0	0.0	0.001	0.003	0.000
275	0.0	0.0	0.0	0.0	0.001	0.002	0.000
280	0.0	0.0	0.0	0.0	0.001	0.002	0.000
285	0.0	0.0	0.0	0.0	0.001	0.002	0.000
290	0.0	0.0	0.0	0.0	0.001	0.002	0.000
295	0.0	0.0	0.0	0.0	0.001	0.002	0.000
300	0.0	0.0	0.0	0.0	0.001	0.002	0.000
305	0.0	0.0	0.0	0.0	0.001	0.002	0.000
310	0.0	0.0	0.0	0.0	0.001	0.002	0.000
315	0.0	0.0	0.0	0.0	0.001	0.002	0.000
320	0.0	0.0	0.0	0.0	0.001	0.002	0.000
325	0.0	0.0	0.0	0.0	0.001	0.002	0.000
330	0.0	0.0	0.0	0.0	0.001	0.002	0.000
335	0.0	0.0	0.0	0.0	0.001	0.001	0.000
340	0.0	0.0	0.0	0.0	0.001	0.001	0.000
345	0.0	0.0	0.0	0.0	0.001	0.001	0.000
350	0.0	0.0	0.0	0.0	0.001	0.001	0.000
355	0.0	0.0	0.0	0.0	0.001	0.001	0.000
360	0.0	0.0	0.0	0.0	0.001	0.001	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
260	0.0	0.0
265	0.0	0.0
270	0.0	0.0
275	0.0	0.0
280	0.0	0.0
285	0.0	0.0
290	0.0	0.0
295	0.0	0.0
300	0.0	0.0
305	0.0	0.0
310	0.0	0.0
315	0.0	0.0
320	0.0	0.0
325	0.0	0.0
330	0.0	0.0
335	0.0	0.0
340	0.0	0.0
345	0.0	0.0
350	0.0	0.0
355	0.0	0.0
360	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



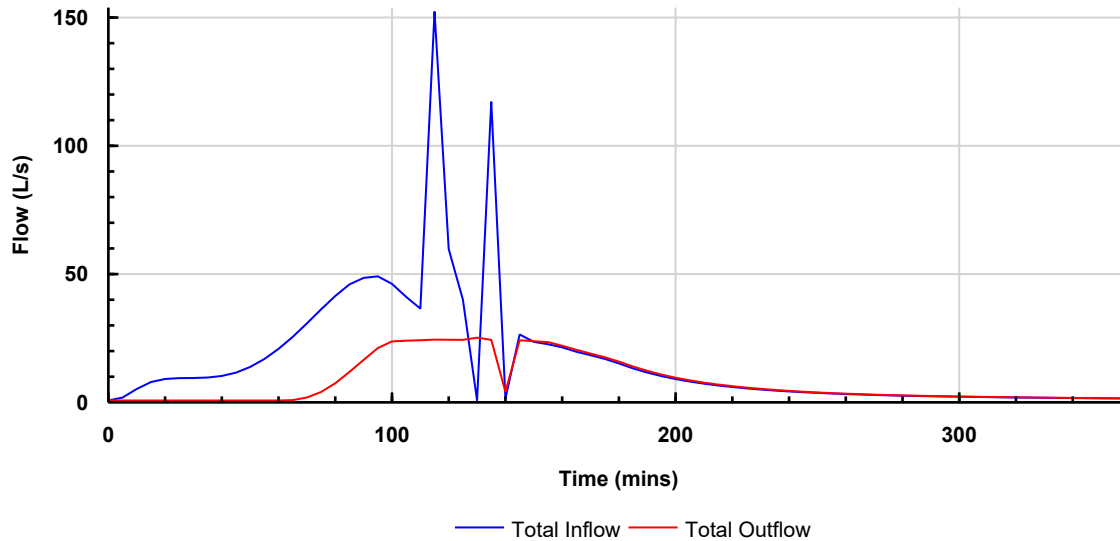
SMH-06

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Winter

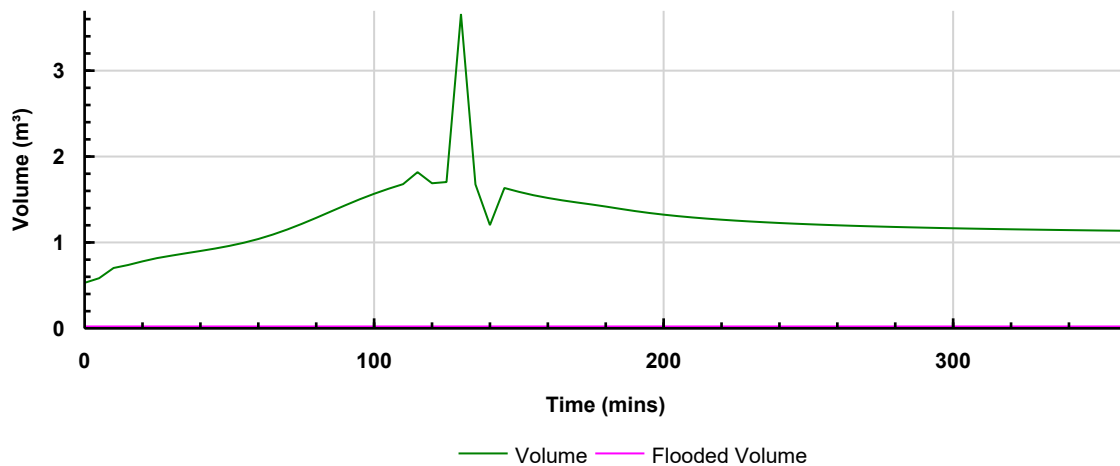
Type : Manhole

Graphs

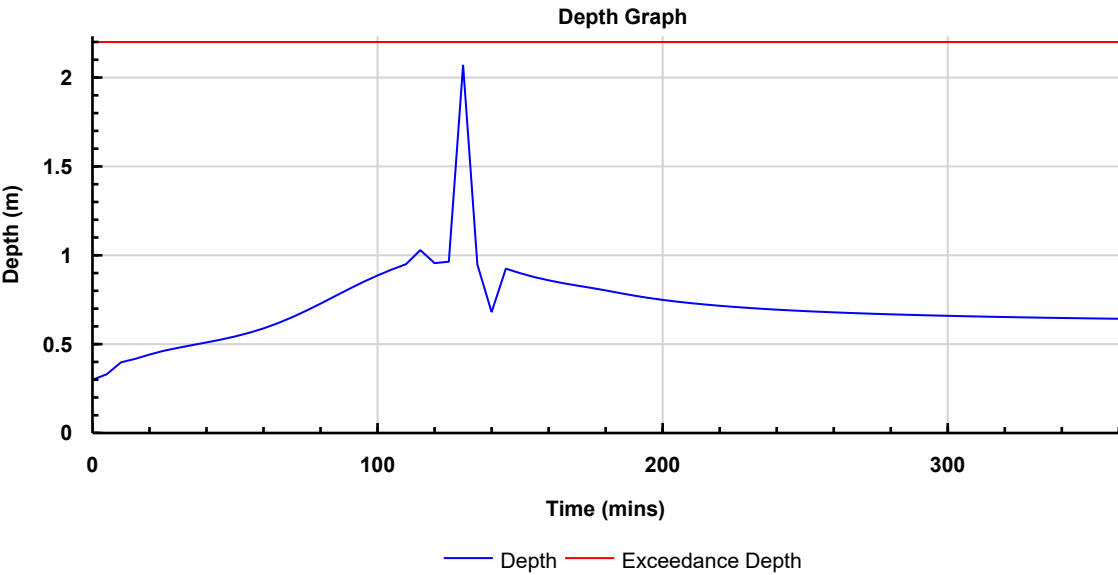
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
	Report Details:			
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	1.1	1.1	1.1	0.330	0.584	0.000	0.0
10	0.6	0.6	4.5	0.398	0.703	0.000	0.0
15	0.5	0.5	7.2	0.417	0.737	0.000	0.0
20	0.6	0.6	8.4	0.441	0.780	0.000	0.0
25	0.3	0.3	8.8	0.463	0.818	0.000	0.0
30	0.4	0.4	8.8	0.479	0.847	0.000	0.0
35	0.4	0.4	9.0	0.495	0.874	0.000	0.0
40	0.4	0.4	9.6	0.510	0.901	0.000	0.0
45	0.4	0.4	10.9	0.526	0.929	0.000	0.0
50	0.5	0.5	13.1	0.543	0.960	0.000	0.0
55	0.6	0.6	16.2	0.564	0.997	0.000	0.0
60	0.7	0.7	20.2	0.589	1.040	0.000	0.0
65	1.3	1.3	24.9	0.618	1.092	0.000	0.2
70	2.6	2.6	30.2	0.651	1.151	0.000	1.2
75	5.1	5.1	35.7	0.688	1.216	0.000	3.3
80	8.8	8.8	40.9	0.728	1.286	0.000	6.7
85	13.3	13.3	45.5	0.769	1.359	0.000	11.2
90	17.7	17.7	48.0	0.810	1.432	0.000	15.9
95	22.3	22.3	48.6	0.850	1.502	0.000	20.5
100	24.5	24.5	45.7	0.887	1.567	0.000	23.1
105	24.4	24.4	40.6	0.920	1.625	0.000	23.4
110	24.4	24.4	36.0	0.950	1.679	0.000	23.6
115	135.6	135.6	152.3	1.029	1.818	0.000	23.8
120	13.8	13.8	59.3	0.956	1.689	0.000	23.8
125	21.4	21.4	39.5	0.964	1.703	0.000	23.8
130	-69.1	-69.1	0.0	2.071	3.660	0.000	24.6
135	28.7	28.7	117.0	0.948	1.676	0.000	23.8
140	-58.2	-58.2	0.8	0.680	1.202	0.000	3.4
145	12.3	12.3	25.8	0.925	1.634	0.000	23.6
150	23.0	23.0	23.0	0.899	1.589	0.000	23.2
155	22.0	22.0	22.0	0.877	1.550	0.000	22.9
160	20.8	20.8	20.8	0.859	1.518	0.000	21.4
165	19.1	19.1	19.1	0.843	1.490	0.000	19.8
170	17.7	17.7	17.7	0.829	1.466	0.000	18.3
175	16.3	16.3	16.3	0.816	1.443	0.000	16.9
180	14.5	14.5	14.5	0.802	1.418	0.000	15.2
185	12.6	12.6	12.6	0.787	1.391	0.000	13.3
190	10.9	10.9	10.9	0.773	1.366	0.000	11.6
195	9.6	9.6	9.6	0.760	1.343	0.000	10.1
200	8.4	8.4	8.4	0.749	1.324	0.000	8.9
205	7.4	7.4	7.4	0.739	1.306	0.000	7.9
210	6.6	6.6	6.6	0.731	1.291	0.000	7.0
215	5.9	5.9	5.9	0.723	1.277	0.000	6.2
220	5.3	5.3	5.3	0.716	1.265	0.000	5.6
225	4.7	4.7	4.7	0.710	1.254	0.000	5.0
230	4.3	4.3	4.3	0.704	1.244	0.000	4.6
235	3.9	3.9	3.9	0.699	1.235	0.000	4.1
240	3.5	3.5	3.5	0.694	1.227	0.000	3.8
245	3.2	3.2	3.2	0.690	1.219	0.000	3.4
250	3.0	3.0	3.0	0.686	1.212	0.000	3.1
255	2.7	2.7	2.7	0.682	1.206	0.000	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	0.0
60	0.0
65	0.2
70	1.2
75	3.3
80	6.7
85	11.2
90	15.9
95	20.5
100	23.1
105	23.4
110	23.6
115	23.8
120	23.8
125	23.8
130	24.6
135	23.8
140	3.4
145	23.6
150	23.2
155	22.9
160	21.4
165	19.8
170	18.3
175	16.9
180	15.2
185	13.3
190	11.6
195	10.1
200	8.9
205	7.9
210	7.0
215	6.2
220	5.6
225	5.0
230	4.6
235	4.1
240	3.8
245	3.4
250	3.1
255	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
260	2.5	2.5	2.5	0.679	1.200	0.000	2.7
265	2.3	2.3	2.3	0.676	1.194	0.000	2.5
270	2.2	2.2	2.2	0.673	1.189	0.000	2.3
275	2.0	2.0	2.0	0.670	1.185	0.000	2.1
280	1.9	1.9	1.9	0.668	1.180	0.000	2.0
285	1.8	1.8	1.8	0.666	1.176	0.000	1.9
290	1.7	1.7	1.7	0.663	1.172	0.000	1.8
295	1.6	1.6	1.6	0.661	1.169	0.000	1.7
300	1.5	1.5	1.5	0.659	1.165	0.000	1.6
305	1.4	1.4	1.4	0.658	1.162	0.000	1.5
310	1.3	1.3	1.3	0.656	1.159	0.000	1.4
315	1.2	1.2	1.2	0.654	1.156	0.000	1.3
320	1.2	1.2	1.2	0.653	1.153	0.000	1.2
325	1.1	1.1	1.1	0.651	1.151	0.000	1.2
330	1.1	1.1	1.1	0.650	1.148	0.000	1.1
335	1.0	1.0	1.0	0.648	1.146	0.000	1.1
340	0.9	0.9	0.9	0.647	1.144	0.000	1.0
345	0.9	0.9	0.9	0.646	1.142	0.000	0.9
350	0.9	0.9	0.9	0.645	1.140	0.000	0.9
355	0.8	0.8	0.8	0.644	1.138	0.000	0.9
360	0.8	0.8	0.8	0.643	1.136	0.000	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
260	2.7
265	2.5
270	2.3
275	2.1
280	2.0
285	1.9
290	1.8
295	1.7
300	1.6
305	1.5
310	1.4
315	1.3
320	1.2
325	1.2
330	1.1
335	1.1
340	1.0
345	0.9
350	0.9
355	0.9
360	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



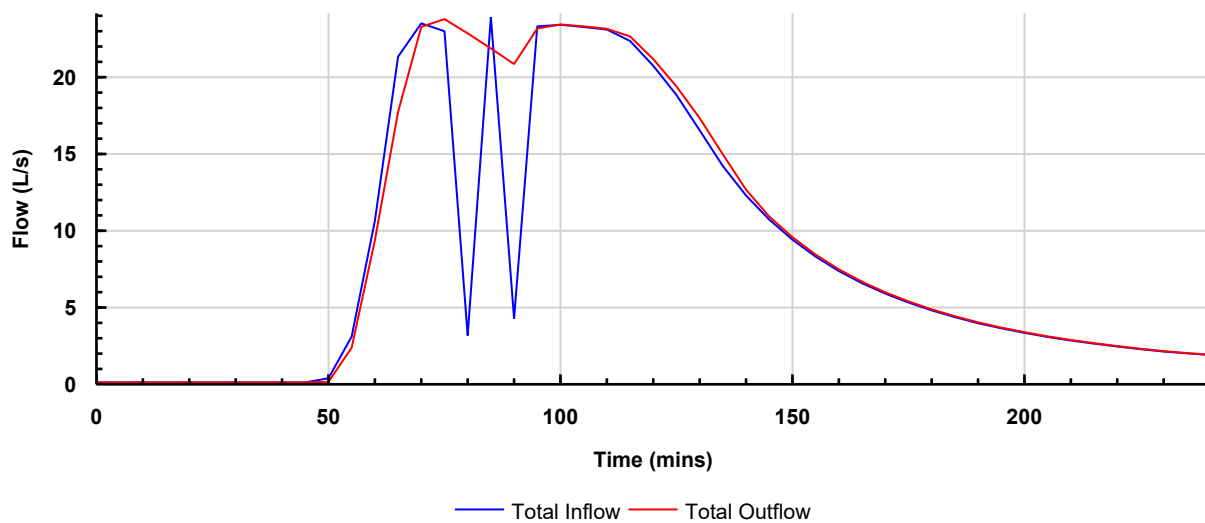
Existing MH 01

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

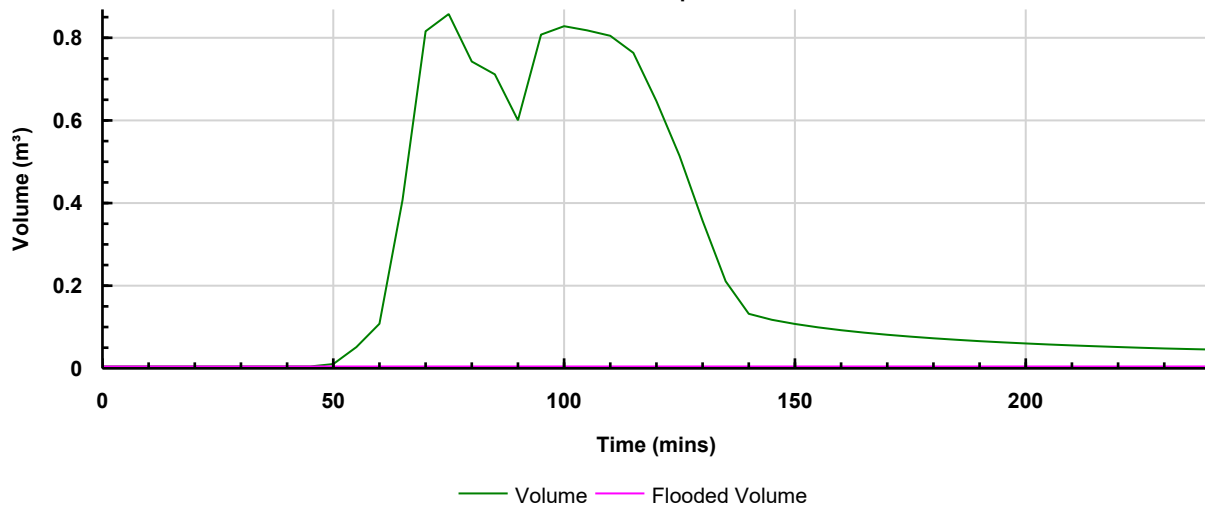
Type : Manhole

Graphs

Flow Graph

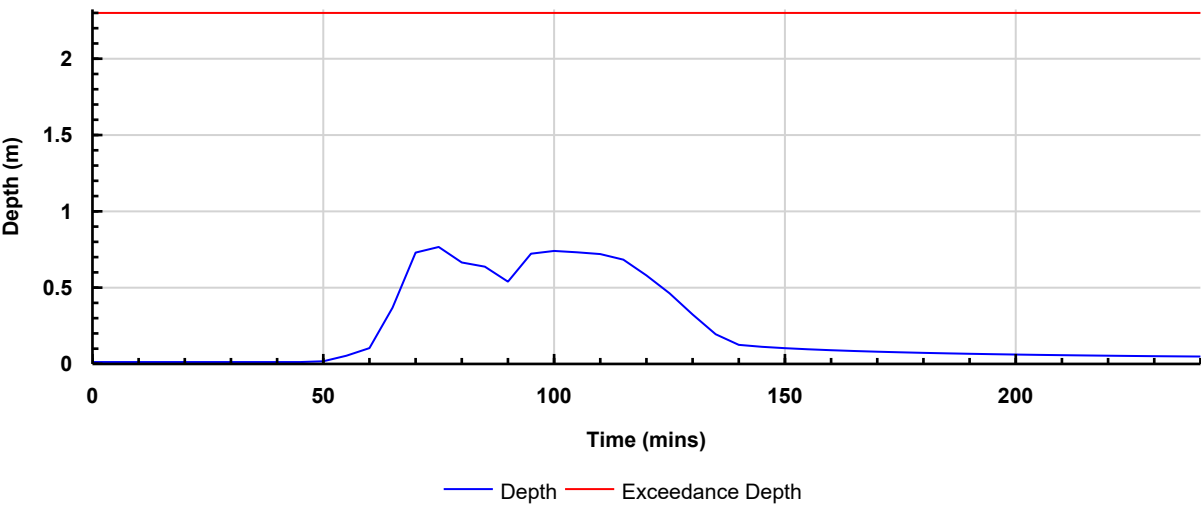


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.0	0.0	0.000	0.000	0.000	0.0
10	0.0	0.0	0.0	0.000	0.000	0.000	0.0
15	0.0	0.0	0.0	0.000	0.000	0.000	0.0
20	0.0	0.0	0.0	0.000	0.000	0.000	0.0
25	0.0	0.0	0.0	0.000	0.000	0.000	0.0
30	0.0	0.0	0.0	0.000	0.000	0.000	0.0
35	0.0	0.0	0.0	0.000	0.000	0.000	0.0
40	0.0	0.0	0.0	0.000	0.000	0.000	0.0
45	0.0	0.0	0.0	0.000	0.000	0.000	0.0
50	0.3	0.3	0.3	0.005	0.006	0.000	0.0
55	3.0	3.0	3.0	0.042	0.047	0.000	2.3
60	10.6	10.6	10.6	0.092	0.104	0.000	9.3
65	21.3	21.3	21.3	0.358	0.405	0.000	17.7
70	23.5	23.5	23.5	0.721	0.816	0.000	23.3
75	23.0	23.0	23.0	0.758	0.857	0.000	23.8
80	3.1	3.1	3.1	0.656	0.742	0.000	22.8
85	23.9	23.9	23.9	0.628	0.711	0.000	21.9
90	4.2	4.2	4.2	0.530	0.599	0.000	20.8
95	23.3	23.3	23.3	0.714	0.807	0.000	23.2
100	23.4	23.4	23.4	0.732	0.828	0.000	23.4
105	23.3	23.3	23.3	0.723	0.818	0.000	23.3
110	23.1	23.1	23.1	0.711	0.805	0.000	23.1
115	22.4	22.4	22.4	0.675	0.763	0.000	22.6
120	20.7	20.7	20.7	0.571	0.646	0.000	21.2
125	18.8	18.8	18.8	0.453	0.512	0.000	19.4
130	16.5	16.5	16.5	0.313	0.354	0.000	17.3
135	14.2	14.2	14.2	0.183	0.207	0.000	14.9
140	12.2	12.2	12.2	0.113	0.128	0.000	12.6
145	10.7	10.7	10.7	0.100	0.114	0.000	10.9
150	9.3	9.3	9.3	0.091	0.103	0.000	9.5
155	8.2	8.2	8.2	0.084	0.095	0.000	8.4
160	7.3	7.3	7.3	0.078	0.088	0.000	7.4
165	6.5	6.5	6.5	0.073	0.082	0.000	6.6
170	5.8	5.8	5.8	0.068	0.077	0.000	5.9
175	5.2	5.2	5.2	0.064	0.073	0.000	5.3
180	4.7	4.7	4.7	0.061	0.069	0.000	4.8
185	4.3	4.3	4.3	0.057	0.065	0.000	4.3
190	3.9	3.9	3.9	0.054	0.062	0.000	3.9
195	3.5	3.5	3.5	0.052	0.059	0.000	3.6
200	3.2	3.2	3.2	0.049	0.056	0.000	3.3
205	3.0	3.0	3.0	0.047	0.053	0.000	3.0
210	2.7	2.7	2.7	0.045	0.051	0.000	2.8
215	2.5	2.5	2.5	0.044	0.049	0.000	2.6
220	2.3	2.3	2.3	0.042	0.047	0.000	2.4
225	2.2	2.2	2.2	0.040	0.045	0.000	2.2
230	2.0	2.0	2.0	0.039	0.044	0.000	2.0
235	1.9	1.9	1.9	0.038	0.042	0.000	1.9
240	1.8	1.8	1.8	0.036	0.041	0.000	1.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	2.3
60	9.3
65	17.7
70	23.3
75	23.8
80	22.8
85	21.9
90	20.8
95	23.2
100	23.4
105	23.3
110	23.1
115	22.6
120	21.2
125	19.4
130	17.3
135	14.9
140	12.6
145	10.9
150	9.5
155	8.4
160	7.4
165	6.6
170	5.9
175	5.3
180	4.8
185	4.3
190	3.9
195	3.6
200	3.3
205	3.0
210	2.8
215	2.6
220	2.4
225	2.2
230	2.0
235	1.9
240	1.8

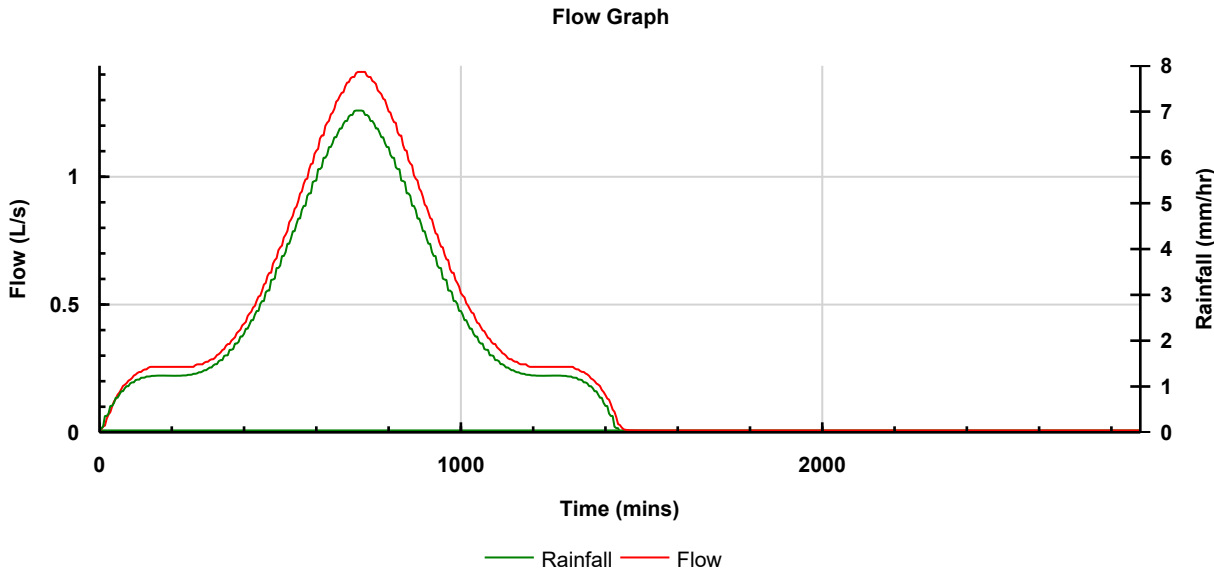
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 1.01
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.0
10	0.003	0.0
15	0.004	0.0
20	0.006	0.0
25	0.007	0.1
30	0.008	0.1
35	0.009	0.1
40	0.010	0.1
45	0.011	0.1
50	0.011	0.1
55	0.012	0.1
60	0.012	0.2
65	0.013	0.2
70	0.013	0.2
75	0.013	0.2
80	0.013	0.2
85	0.014	0.2
90	0.014	0.2
95	0.014	0.2
100	0.014	0.2
105	0.014	0.2
110	0.014	0.2
115	0.015	0.2
120	0.015	0.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.015	0.2
130	0.015	0.2
135	0.015	0.2
140	0.015	0.2
145	0.015	0.3
150	0.015	0.3
155	0.015	0.3
160	0.015	0.3
165	0.015	0.3
170	0.015	0.3
175	0.015	0.3
180	0.015	0.3
185	0.015	0.3
190	0.015	0.3
195	0.015	0.3
200	0.015	0.3
205	0.015	0.3
210	0.015	0.3
215	0.015	0.3
220	0.015	0.3
225	0.015	0.3
230	0.015	0.3
235	0.015	0.3
240	0.015	0.3
245	0.015	0.3
250	0.015	0.3
255	0.015	0.3
260	0.015	0.3
265	0.015	0.3
270	0.015	0.3
275	0.015	0.3
280	0.015	0.3
285	0.015	0.3
290	0.015	0.3
295	0.016	0.3
300	0.016	0.3
305	0.016	0.3
310	0.016	0.3
315	0.016	0.3
320	0.016	0.3
325	0.016	0.3
330	0.016	0.3
335	0.016	0.3
340	0.017	0.3
345	0.017	0.3
350	0.017	0.3
355	0.017	0.3
360	0.017	0.3
365	0.018	0.4
370	0.018	0.4
375	0.018	0.4
380	0.018	0.4
385	0.018	0.4
390	0.019	0.4
395	0.019	0.4
400	0.019	0.4
405	0.019	0.4
410	0.020	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.020	0.5
420	0.020	0.5
425	0.020	0.5
430	0.020	0.5
435	0.021	0.5
440	0.021	0.5
445	0.021	0.5
450	0.022	0.6
455	0.022	0.6
460	0.022	0.6
465	0.022	0.6
470	0.023	0.6
475	0.023	0.6
480	0.023	0.7
485	0.024	0.7
490	0.024	0.7
495	0.024	0.7
500	0.024	0.7
505	0.025	0.7
510	0.025	0.8
515	0.025	0.8
520	0.025	0.8
525	0.026	0.8
530	0.026	0.8
535	0.026	0.8
540	0.027	0.9
545	0.027	0.9
550	0.027	0.9
555	0.028	0.9
560	0.028	0.9
565	0.028	1.0
570	0.028	1.0
575	0.028	1.0
580	0.029	1.0
585	0.029	1.0
590	0.029	1.0
595	0.030	1.1
600	0.030	1.1
605	0.030	1.1
610	0.030	1.1
615	0.031	1.2
620	0.031	1.2
625	0.031	1.2
630	0.031	1.2
635	0.031	1.2
640	0.032	1.2
645	0.032	1.2
650	0.032	1.3
655	0.032	1.3
660	0.032	1.3
665	0.032	1.3
670	0.033	1.3
675	0.033	1.3
680	0.033	1.4
685	0.033	1.4
690	0.033	1.4
695	0.033	1.4
700	0.033	1.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
705	0.033	1.4
710	0.034	1.4
715	0.034	1.4
720	0.034	1.4
725	0.034	1.4
730	0.034	1.4
735	0.034	1.4
740	0.033	1.4
745	0.033	1.4
750	0.033	1.4
755	0.033	1.4
760	0.033	1.4
765	0.033	1.4
770	0.033	1.3
775	0.033	1.3
780	0.033	1.3
785	0.032	1.3
790	0.032	1.3
795	0.032	1.3
800	0.032	1.3
805	0.032	1.3
810	0.031	1.2
815	0.031	1.2
820	0.031	1.2
825	0.031	1.2
830	0.031	1.2
835	0.031	1.2
840	0.030	1.1
845	0.030	1.1
850	0.030	1.1
855	0.029	1.1
860	0.029	1.1
865	0.029	1.0
870	0.029	1.0
875	0.028	1.0
880	0.028	1.0
885	0.028	1.0
890	0.028	0.9
895	0.027	0.9
900	0.027	0.9
905	0.027	0.9
910	0.027	0.9
915	0.026	0.8
920	0.026	0.8
925	0.026	0.8
930	0.025	0.8
935	0.025	0.8
940	0.025	0.7
945	0.025	0.7
950	0.024	0.7
955	0.024	0.7
960	0.024	0.7
965	0.024	0.7
970	0.023	0.6
975	0.023	0.6
980	0.023	0.6
985	0.022	0.6
990	0.022	0.6

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
995	0.022	0.6
1000	0.021	0.5
1005	0.021	0.5
1010	0.021	0.5
1015	0.021	0.5
1020	0.020	0.5
1025	0.020	0.5
1030	0.020	0.5
1035	0.020	0.5
1040	0.020	0.4
1045	0.019	0.4
1050	0.019	0.4
1055	0.019	0.4
1060	0.019	0.4
1065	0.018	0.4
1070	0.018	0.4
1075	0.018	0.4
1080	0.018	0.4
1085	0.018	0.3
1090	0.017	0.3
1095	0.017	0.3
1100	0.017	0.3
1105	0.017	0.3
1110	0.017	0.3
1115	0.016	0.3
1120	0.016	0.3
1125	0.016	0.3
1130	0.016	0.3
1135	0.016	0.3
1140	0.016	0.3
1145	0.016	0.3
1150	0.016	0.3
1155	0.016	0.3
1160	0.015	0.3
1165	0.015	0.3
1170	0.015	0.3
1175	0.015	0.3
1180	0.015	0.3
1185	0.015	0.3
1190	0.015	0.3
1195	0.015	0.3
1200	0.015	0.2
1205	0.015	0.2
1210	0.015	0.2
1215	0.015	0.2
1220	0.015	0.2
1225	0.015	0.3
1230	0.015	0.3
1235	0.015	0.3
1240	0.015	0.3
1245	0.015	0.3
1250	0.015	0.3
1255	0.015	0.3
1260	0.015	0.3
1265	0.015	0.3
1270	0.015	0.3
1275	0.015	0.3
1280	0.015	0.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1285	0.015	0.3
1290	0.015	0.3
1295	0.015	0.3
1300	0.015	0.3
1305	0.015	0.2
1310	0.015	0.2
1315	0.015	0.2
1320	0.015	0.2
1325	0.015	0.2
1330	0.015	0.2
1335	0.015	0.2
1340	0.015	0.2
1345	0.014	0.2
1350	0.014	0.2
1355	0.014	0.2
1360	0.014	0.2
1365	0.014	0.2
1370	0.013	0.2
1375	0.013	0.2
1380	0.013	0.2
1385	0.013	0.2
1390	0.012	0.2
1395	0.012	0.2
1400	0.012	0.1
1405	0.011	0.1
1410	0.011	0.1
1415	0.010	0.1
1420	0.009	0.1
1425	0.009	0.1
1430	0.007	0.1
1435	0.006	0.0
1440	0.005	0.0
1445	0.005	0.0
1450	0.003	0.0
1455	0.003	0.0
1460	0.002	0.0
1465	0.002	0.0
1470	0.001	0.0
1475	0.001	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.001	0.0
1530	0.001	0.0
1535	0.001	0.0
1540	0.001	0.0
1545	0.001	0.0
1550	0.001	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

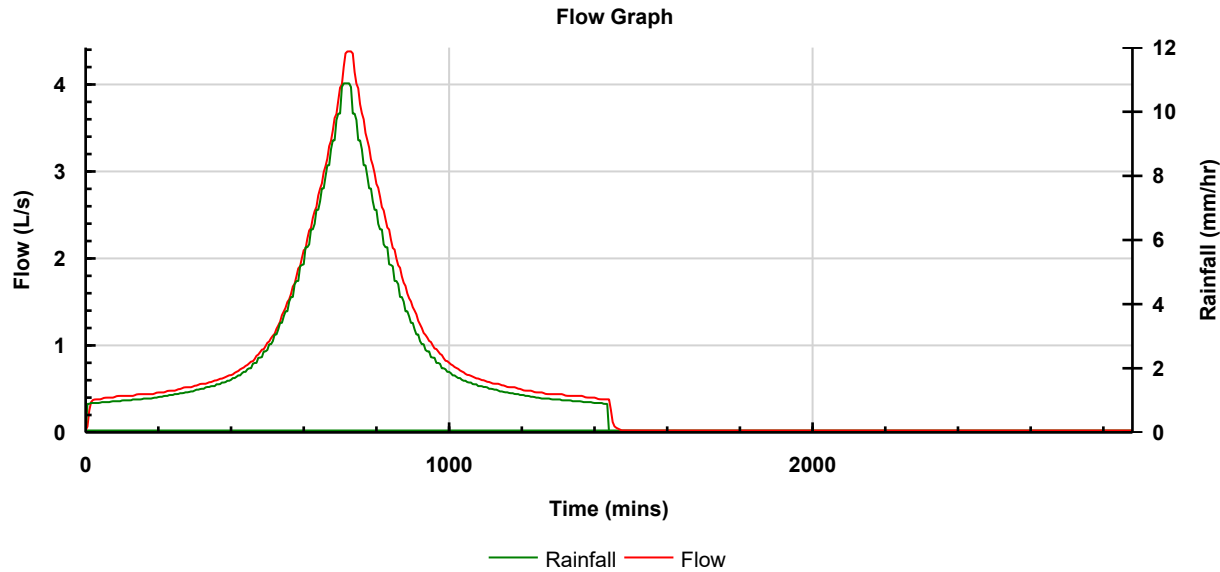
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 1.02
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.004	0.0
10	0.012	0.2
15	0.014	0.3
20	0.014	0.4
25	0.014	0.4
30	0.014	0.4
35	0.014	0.4
40	0.014	0.4
45	0.014	0.4
50	0.015	0.4
55	0.015	0.4
60	0.015	0.4
65	0.015	0.4
70	0.015	0.4
75	0.015	0.4
80	0.015	0.4
85	0.015	0.4
90	0.015	0.4
95	0.015	0.4
100	0.015	0.4
105	0.015	0.4
110	0.015	0.4
115	0.015	0.4
120	0.015	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.015	0.4
130	0.015	0.4
135	0.015	0.4
140	0.015	0.4
145	0.015	0.4
150	0.015	0.4
155	0.015	0.4
160	0.015	0.4
165	0.015	0.4
170	0.015	0.4
175	0.015	0.4
180	0.015	0.4
185	0.015	0.4
190	0.015	0.4
195	0.016	0.4
200	0.016	0.4
205	0.016	0.4
210	0.016	0.4
215	0.016	0.4
220	0.016	0.4
225	0.016	0.5
230	0.016	0.5
235	0.016	0.5
240	0.016	0.5
245	0.016	0.5
250	0.016	0.5
255	0.016	0.5
260	0.016	0.5
265	0.016	0.5
270	0.017	0.5
275	0.017	0.5
280	0.017	0.5
285	0.017	0.5
290	0.017	0.5
295	0.017	0.5
300	0.017	0.5
305	0.017	0.5
310	0.017	0.5
315	0.017	0.5
320	0.017	0.5
325	0.017	0.5
330	0.017	0.5
335	0.017	0.5
340	0.018	0.6
345	0.018	0.6
350	0.018	0.6
355	0.018	0.6
360	0.018	0.6
365	0.018	0.6
370	0.018	0.6
375	0.018	0.6
380	0.018	0.6
385	0.018	0.6
390	0.019	0.6
395	0.019	0.6
400	0.019	0.6
405	0.019	0.6
410	0.019	0.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.019	0.7
420	0.019	0.7
425	0.020	0.7
430	0.020	0.7
435	0.020	0.7
440	0.020	0.7
445	0.020	0.8
450	0.021	0.8
455	0.021	0.8
460	0.021	0.8
465	0.021	0.8
470	0.022	0.9
475	0.022	0.9
480	0.022	0.9
485	0.023	0.9
490	0.023	0.9
495	0.023	1.0
500	0.024	1.0
505	0.024	1.0
510	0.025	1.1
515	0.025	1.1
520	0.025	1.1
525	0.026	1.2
530	0.026	1.2
535	0.026	1.3
540	0.027	1.3
545	0.027	1.4
550	0.028	1.4
555	0.029	1.5
560	0.029	1.5
565	0.029	1.6
570	0.030	1.7
575	0.030	1.7
580	0.031	1.8
585	0.032	1.9
590	0.032	1.9
595	0.033	2.0
600	0.034	2.1
605	0.034	2.1
610	0.035	2.2
615	0.036	2.3
620	0.036	2.3
625	0.037	2.5
630	0.037	2.5
635	0.038	2.6
640	0.038	2.7
645	0.039	2.8
650	0.039	2.9
655	0.040	3.0
660	0.041	3.1
665	0.041	3.1
670	0.042	3.3
675	0.043	3.3
680	0.043	3.5
685	0.044	3.6
690	0.044	3.7
695	0.045	3.8
700	0.046	4.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
705	0.046	4.0
710	0.048	4.2
715	0.048	4.4
720	0.049	4.4
725	0.049	4.4
730	0.049	4.4
735	0.048	4.4
740	0.047	4.1
745	0.046	4.0
750	0.046	4.0
755	0.045	3.8
760	0.044	3.7
765	0.044	3.6
770	0.043	3.4
775	0.043	3.4
780	0.042	3.3
785	0.041	3.1
790	0.041	3.1
795	0.040	3.0
800	0.039	2.8
805	0.039	2.8
810	0.038	2.7
815	0.038	2.6
820	0.037	2.5
825	0.037	2.4
830	0.036	2.3
835	0.036	2.3
840	0.035	2.2
845	0.034	2.1
850	0.034	2.1
855	0.033	2.0
860	0.032	1.9
865	0.032	1.9
870	0.031	1.8
875	0.031	1.7
880	0.030	1.7
885	0.029	1.6
890	0.029	1.5
895	0.029	1.5
900	0.028	1.4
905	0.028	1.4
910	0.027	1.3
915	0.026	1.3
920	0.026	1.2
925	0.026	1.2
930	0.025	1.1
935	0.025	1.1
940	0.025	1.1
945	0.024	1.0
950	0.024	1.0
955	0.023	1.0
960	0.023	0.9
965	0.023	0.9
970	0.023	0.9
975	0.022	0.9
980	0.022	0.9
985	0.021	0.8
990	0.021	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
995	0.021	0.8
1000	0.021	0.8
1005	0.021	0.8
1010	0.020	0.8
1015	0.020	0.7
1020	0.020	0.7
1025	0.020	0.7
1030	0.020	0.7
1035	0.019	0.7
1040	0.019	0.7
1045	0.019	0.7
1050	0.019	0.6
1055	0.019	0.6
1060	0.019	0.6
1065	0.018	0.6
1070	0.018	0.6
1075	0.018	0.6
1080	0.018	0.6
1085	0.018	0.6
1090	0.018	0.6
1095	0.018	0.6
1100	0.018	0.6
1105	0.018	0.6
1110	0.018	0.6
1115	0.017	0.6
1120	0.017	0.5
1125	0.017	0.5
1130	0.017	0.5
1135	0.017	0.5
1140	0.017	0.5
1145	0.017	0.5
1150	0.017	0.5
1155	0.017	0.5
1160	0.017	0.5
1165	0.017	0.5
1170	0.017	0.5
1175	0.017	0.5
1180	0.017	0.5
1185	0.017	0.5
1190	0.016	0.5
1195	0.016	0.5
1200	0.016	0.5
1205	0.016	0.5
1210	0.016	0.5
1215	0.016	0.5
1220	0.016	0.5
1225	0.016	0.5
1230	0.016	0.5
1235	0.016	0.4
1240	0.016	0.4
1245	0.016	0.4
1250	0.016	0.4
1255	0.016	0.4
1260	0.016	0.4
1265	0.015	0.4
1270	0.015	0.4
1275	0.015	0.4
1280	0.015	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1285	0.015	0.4
1290	0.015	0.4
1295	0.015	0.4
1300	0.015	0.4
1305	0.015	0.4
1310	0.015	0.4
1315	0.015	0.4
1320	0.015	0.4
1325	0.015	0.4
1330	0.015	0.4
1335	0.015	0.4
1340	0.015	0.4
1345	0.015	0.4
1350	0.015	0.4
1355	0.015	0.4
1360	0.015	0.4
1365	0.015	0.4
1370	0.015	0.4
1375	0.015	0.4
1380	0.015	0.4
1385	0.015	0.4
1390	0.015	0.4
1395	0.015	0.4
1400	0.015	0.4
1405	0.015	0.4
1410	0.014	0.4
1415	0.014	0.4
1420	0.014	0.4
1425	0.014	0.4
1430	0.014	0.4
1435	0.014	0.4
1440	0.014	0.4
1445	0.012	0.2
1450	0.007	0.1
1455	0.004	0.0
1460	0.003	0.0
1465	0.002	0.0
1470	0.002	0.0
1475	0.001	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.001	0.0
1530	0.001	0.0
1535	0.001	0.0
1540	0.001	0.0
1545	0.001	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

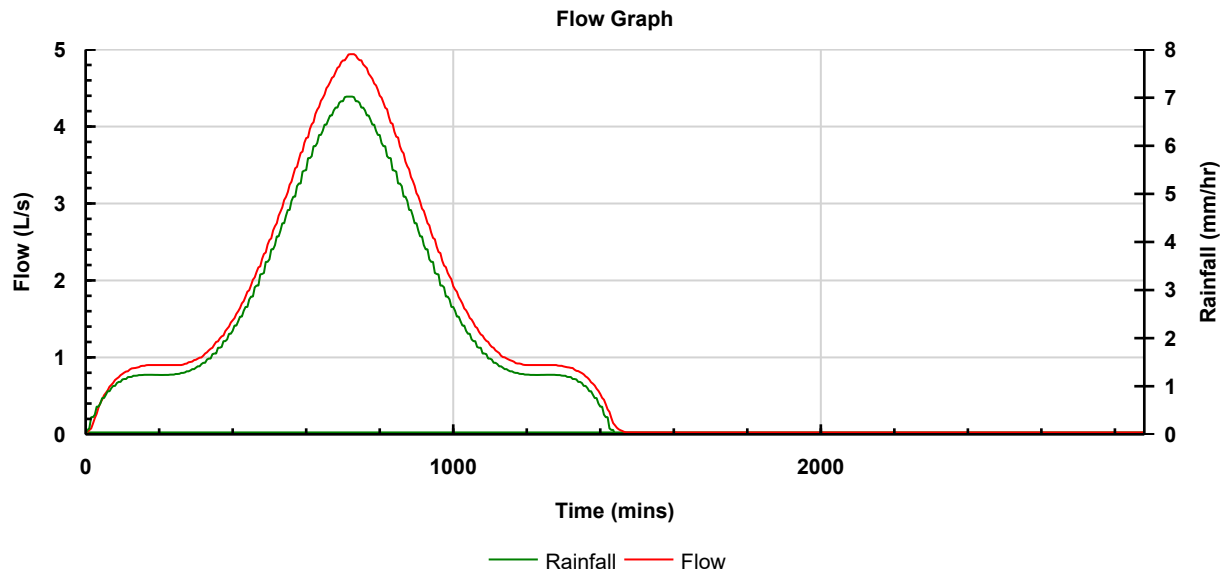
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 1.03
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.0
10	0.003	0.0
15	0.004	0.1
20	0.007	0.1
25	0.009	0.2
30	0.010	0.2
35	0.012	0.3
40	0.014	0.4
45	0.015	0.4
50	0.016	0.5
55	0.016	0.5
60	0.017	0.6
65	0.017	0.6
70	0.017	0.6
75	0.018	0.6
80	0.018	0.7
85	0.018	0.7
90	0.019	0.7
95	0.019	0.7
100	0.019	0.8
105	0.019	0.8
110	0.020	0.8
115	0.020	0.8
120	0.020	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.020	0.8
130	0.020	0.8
135	0.020	0.8
140	0.020	0.8
145	0.020	0.9
150	0.020	0.9
155	0.020	0.9
160	0.020	0.9
165	0.020	0.9
170	0.020	0.9
175	0.020	0.9
180	0.020	0.9
185	0.020	0.9
190	0.020	0.9
195	0.020	0.9
200	0.020	0.9
205	0.020	0.9
210	0.020	0.9
215	0.020	0.9
220	0.020	0.9
225	0.020	0.9
230	0.020	0.9
235	0.020	0.9
240	0.020	0.9
245	0.020	0.9
250	0.020	0.9
255	0.020	0.9
260	0.020	0.9
265	0.021	0.9
270	0.021	0.9
275	0.021	0.9
280	0.021	0.9
285	0.021	0.9
290	0.021	0.9
295	0.021	0.9
300	0.021	0.9
305	0.021	1.0
310	0.022	1.0
315	0.022	1.0
320	0.022	1.0
325	0.022	1.0
330	0.022	1.0
335	0.023	1.1
340	0.023	1.1
345	0.023	1.1
350	0.023	1.1
355	0.024	1.2
360	0.024	1.2
365	0.024	1.2
370	0.024	1.3
375	0.025	1.3
380	0.025	1.3
385	0.025	1.4
390	0.026	1.4
395	0.026	1.4
400	0.026	1.5
405	0.027	1.5
410	0.027	1.5

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.028	1.6
420	0.028	1.6
425	0.029	1.7
430	0.029	1.7
435	0.029	1.8
440	0.030	1.8
445	0.030	1.9
450	0.031	1.9
455	0.031	2.0
460	0.031	2.0
465	0.032	2.1
470	0.032	2.2
475	0.032	2.2
480	0.033	2.3
485	0.033	2.3
490	0.034	2.4
495	0.034	2.5
500	0.035	2.5
505	0.035	2.5
510	0.035	2.6
515	0.036	2.7
520	0.036	2.7
525	0.037	2.8
530	0.037	2.9
535	0.037	2.9
540	0.038	3.0
545	0.038	3.1
550	0.039	3.1
555	0.039	3.2
560	0.039	3.3
565	0.040	3.4
570	0.040	3.4
575	0.040	3.5
580	0.041	3.6
585	0.042	3.6
590	0.042	3.7
595	0.042	3.8
600	0.043	3.8
605	0.043	3.9
610	0.043	4.0
615	0.044	4.0
620	0.044	4.1
625	0.044	4.2
630	0.044	4.2
635	0.045	4.3
640	0.045	4.3
645	0.045	4.4
650	0.045	4.4
655	0.046	4.5
660	0.046	4.5
665	0.046	4.6
670	0.047	4.6
675	0.047	4.6
680	0.047	4.7
685	0.047	4.8
690	0.047	4.8
695	0.048	4.8
700	0.048	4.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
705	0.048	4.9
710	0.048	4.9
715	0.048	4.9
720	0.048	4.9
725	0.048	4.9
730	0.048	4.9
735	0.048	4.9
740	0.048	4.9
745	0.048	4.9
750	0.048	4.9
755	0.047	4.8
760	0.047	4.8
765	0.047	4.8
770	0.047	4.7
775	0.047	4.7
780	0.046	4.6
785	0.046	4.6
790	0.046	4.5
795	0.046	4.5
800	0.045	4.4
805	0.045	4.4
810	0.045	4.3
815	0.045	4.2
820	0.045	4.2
825	0.044	4.1
830	0.044	4.0
835	0.044	4.0
840	0.043	3.9
845	0.043	3.9
850	0.043	3.9
855	0.042	3.7
860	0.042	3.7
865	0.042	3.6
870	0.041	3.5
875	0.041	3.5
880	0.040	3.4
885	0.040	3.3
890	0.039	3.3
895	0.039	3.2
900	0.038	3.1
905	0.038	3.1
910	0.038	3.0
915	0.037	2.9
920	0.037	2.9
925	0.037	2.8
930	0.036	2.7
935	0.036	2.7
940	0.035	2.6
945	0.035	2.5
950	0.035	2.5
955	0.034	2.4
960	0.034	2.4
965	0.033	2.3
970	0.033	2.2
975	0.032	2.2
980	0.032	2.2
985	0.032	2.1
990	0.031	2.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
995	0.031	2.0
1000	0.031	1.9
1005	0.030	1.9
1010	0.030	1.8
1015	0.029	1.8
1020	0.029	1.7
1025	0.029	1.7
1030	0.028	1.6
1035	0.028	1.6
1040	0.027	1.5
1045	0.027	1.5
1050	0.027	1.5
1055	0.026	1.4
1060	0.026	1.4
1065	0.025	1.4
1070	0.025	1.3
1075	0.025	1.3
1080	0.025	1.3
1085	0.024	1.2
1090	0.024	1.2
1095	0.024	1.2
1100	0.023	1.1
1105	0.023	1.1
1110	0.023	1.1
1115	0.023	1.1
1120	0.022	1.1
1125	0.022	1.0
1130	0.022	1.0
1135	0.022	1.0
1140	0.022	1.0
1145	0.021	1.0
1150	0.021	1.0
1155	0.021	0.9
1160	0.021	0.9
1165	0.021	0.9
1170	0.021	0.9
1175	0.021	0.9
1180	0.021	0.9
1185	0.021	0.9
1190	0.021	0.9
1195	0.020	0.9
1200	0.020	0.9
1205	0.020	0.9
1210	0.020	0.9
1215	0.020	0.9
1220	0.020	0.9
1225	0.020	0.9
1230	0.020	0.9
1235	0.020	0.9
1240	0.020	0.9
1245	0.020	0.9
1250	0.020	0.9
1255	0.020	0.9
1260	0.020	0.9
1265	0.020	0.9
1270	0.020	0.9
1275	0.020	0.9
1280	0.020	0.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1285	0.020	0.9
1290	0.020	0.9
1295	0.020	0.9
1300	0.020	0.9
1305	0.020	0.9
1310	0.020	0.9
1315	0.020	0.8
1320	0.020	0.8
1325	0.020	0.8
1330	0.020	0.8
1335	0.020	0.8
1340	0.020	0.8
1345	0.019	0.8
1350	0.019	0.8
1355	0.019	0.8
1360	0.019	0.7
1365	0.019	0.7
1370	0.018	0.7
1375	0.018	0.7
1380	0.018	0.6
1385	0.017	0.6
1390	0.017	0.6
1395	0.016	0.5
1400	0.016	0.5
1405	0.015	0.5
1410	0.015	0.4
1415	0.013	0.4
1420	0.012	0.3
1425	0.011	0.3
1430	0.009	0.2
1435	0.007	0.1
1440	0.006	0.1
1445	0.005	0.1
1450	0.003	0.0
1455	0.003	0.0
1460	0.002	0.0
1465	0.001	0.0
1470	0.001	0.0
1475	0.001	0.0
1480	0.001	0.0
1485	0.001	0.0
1490	0.001	0.0
1495	0.001	0.0
1500	0.001	0.0
1505	0.001	0.0
1510	0.001	0.0
1515	0.001	0.0
1520	0.001	0.0
1525	0.000	0.0
1530	0.000	0.0
1535	0.000	0.0
1540	0.000	0.0
1545	0.000	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

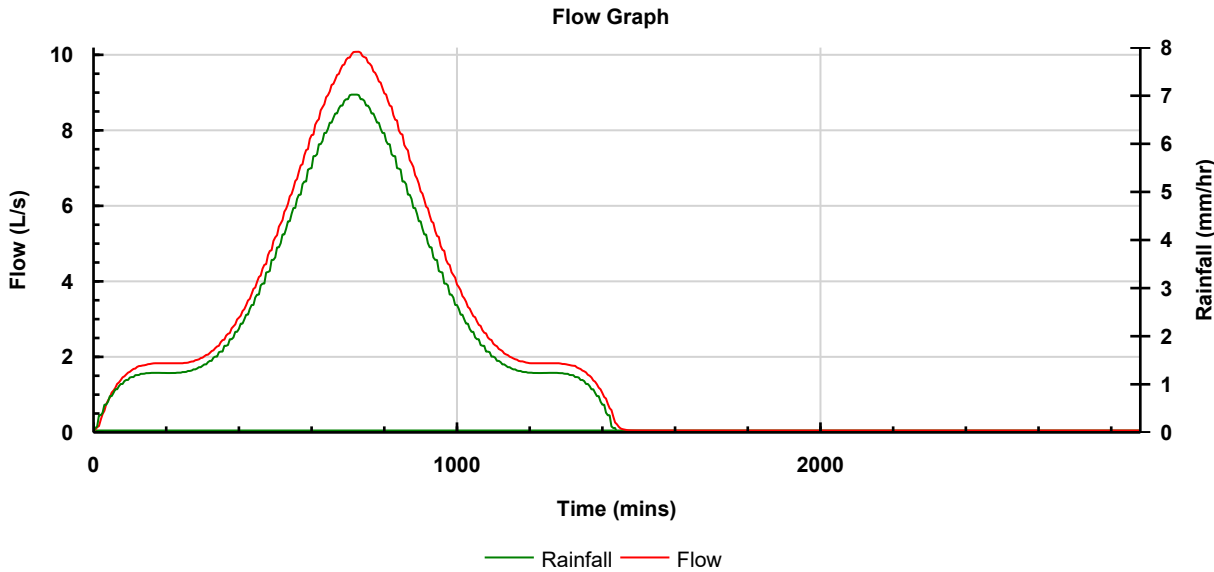
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 1.04
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.002	0.0
10	0.006	0.1
15	0.011	0.1
20	0.019	0.3
25	0.032	0.4
30	0.036	0.5
35	0.039	0.7
40	0.042	0.8
45	0.045	0.9
50	0.048	1.0
55	0.051	1.1
60	0.054	1.1
65	0.057	1.2
70	0.060	1.3
75	0.063	1.3
80	0.067	1.4
85	0.069	1.4
90	0.072	1.5
95	0.076	1.5
100	0.078	1.6
105	0.081	1.6
110	0.084	1.6
115	0.086	1.6
120	0.088	1.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.090	1.7
130	0.092	1.7
135	0.094	1.7
140	0.095	1.7
145	0.097	1.7
150	0.099	1.8
155	0.100	1.8
160	0.102	1.8
165	0.104	1.8
170	0.105	1.8
175	0.107	1.8
180	0.108	1.8
185	0.110	1.8
190	0.111	1.8
195	0.113	1.8
200	0.114	1.8
205	0.115	1.8
210	0.117	1.8
215	0.118	1.8
220	0.120	1.8
225	0.121	1.8
230	0.122	1.8
235	0.124	1.8
240	0.125	1.8
245	0.126	1.8
250	0.128	1.8
255	0.129	1.8
260	0.130	1.8
265	0.132	1.8
270	0.133	1.8
275	0.134	1.8
280	0.136	1.9
285	0.137	1.9
290	0.138	1.9
295	0.140	1.9
300	0.141	1.9
305	0.143	2.0
310	0.144	2.0
315	0.145	2.0
320	0.147	2.1
325	0.148	2.1
330	0.150	2.1
335	0.151	2.2
340	0.153	2.2
345	0.155	2.3
350	0.156	2.4
355	0.158	2.4
360	0.160	2.4
365	0.161	2.5
370	0.163	2.6
375	0.165	2.6
380	0.167	2.7
385	0.168	2.8
390	0.170	2.8
395	0.172	3.0
400	0.174	3.0
405	0.176	3.1
410	0.178	3.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.180	3.2
420	0.181	3.3
425	0.183	3.5
430	0.185	3.5
435	0.187	3.6
440	0.189	3.8
445	0.190	3.8
450	0.192	4.0
455	0.194	4.1
460	0.195	4.1
465	0.197	4.3
470	0.199	4.4
475	0.200	4.4
480	0.202	4.7
485	0.204	4.8
490	0.205	4.8
495	0.206	5.0
500	0.208	5.1
505	0.209	5.2
510	0.211	5.4
515	0.212	5.5
520	0.213	5.6
525	0.215	5.8
530	0.216	5.9
535	0.217	6.0
540	0.218	6.2
545	0.220	6.3
550	0.221	6.4
555	0.222	6.6
560	0.223	6.7
565	0.224	6.9
570	0.225	7.1
575	0.226	7.1
580	0.227	7.3
585	0.229	7.5
590	0.229	7.5
595	0.231	7.8
600	0.232	7.9
605	0.232	7.9
610	0.233	8.1
615	0.234	8.2
620	0.235	8.3
625	0.236	8.5
630	0.237	8.6
635	0.238	8.7
640	0.239	8.9
645	0.240	8.9
650	0.240	9.0
655	0.241	9.2
660	0.242	9.2
665	0.243	9.3
670	0.244	9.5
675	0.245	9.5
680	0.247	9.6
685	0.248	9.7
690	0.249	9.7
695	0.250	9.9
700	0.250	9.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
705	0.251	9.9
710	0.252	10.0
715	0.253	10.1
720	0.254	10.1
725	0.254	10.1
730	0.255	10.1
735	0.255	10.1
740	0.256	10.0
745	0.256	9.9
750	0.256	9.9
755	0.256	9.8
760	0.256	9.8
765	0.256	9.7
770	0.256	9.6
775	0.255	9.5
780	0.255	9.4
785	0.255	9.3
790	0.254	9.3
795	0.254	9.1
800	0.253	9.0
805	0.253	8.9
810	0.252	8.8
815	0.251	8.6
820	0.250	8.6
825	0.250	8.4
830	0.249	8.3
835	0.248	8.3
840	0.247	8.0
845	0.246	7.9
850	0.245	7.9
855	0.244	7.6
860	0.243	7.5
865	0.242	7.5
870	0.241	7.2
875	0.240	7.1
880	0.239	7.0
885	0.237	6.8
890	0.236	6.7
895	0.236	6.6
900	0.235	6.4
905	0.234	6.3
910	0.233	6.1
915	0.232	6.0
920	0.232	5.9
925	0.231	5.7
930	0.230	5.6
935	0.229	5.5
940	0.228	5.3
945	0.227	5.2
950	0.227	5.2
955	0.226	4.9
960	0.225	4.8
965	0.224	4.8
970	0.223	4.5
975	0.222	4.4
980	0.222	4.4
985	0.221	4.2
990	0.220	4.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
995	0.219	4.1
1000	0.218	3.9
1005	0.217	3.8
1010	0.217	3.7
1015	0.216	3.6
1020	0.215	3.5
1025	0.214	3.4
1030	0.213	3.3
1035	0.213	3.2
1040	0.212	3.1
1045	0.211	3.0
1050	0.210	3.0
1055	0.210	2.9
1060	0.209	2.8
1065	0.208	2.8
1070	0.208	2.7
1075	0.207	2.6
1080	0.206	2.6
1085	0.206	2.5
1090	0.205	2.4
1095	0.204	2.4
1100	0.204	2.3
1105	0.203	2.3
1110	0.203	2.2
1115	0.202	2.2
1120	0.201	2.1
1125	0.201	2.1
1130	0.200	2.1
1135	0.200	2.0
1140	0.199	2.0
1145	0.199	2.0
1150	0.199	1.9
1155	0.198	1.9
1160	0.198	1.9
1165	0.197	1.9
1170	0.197	1.9
1175	0.197	1.8
1180	0.196	1.8
1185	0.196	1.8
1190	0.196	1.8
1195	0.195	1.8
1200	0.195	1.8
1205	0.195	1.8
1210	0.195	1.8
1215	0.195	1.8
1220	0.194	1.8
1225	0.194	1.8
1230	0.194	1.8
1235	0.194	1.8
1240	0.194	1.8
1245	0.194	1.8
1250	0.194	1.8
1255	0.193	1.8
1260	0.193	1.8
1265	0.193	1.8
1270	0.193	1.8
1275	0.193	1.8
1280	0.193	1.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1285	0.193	1.8
1290	0.193	1.8
1295	0.193	1.8
1300	0.193	1.8
1305	0.192	1.8
1310	0.192	1.7
1315	0.192	1.7
1320	0.192	1.7
1325	0.192	1.7
1330	0.192	1.7
1335	0.192	1.7
1340	0.192	1.6
1345	0.191	1.6
1350	0.191	1.6
1355	0.191	1.5
1360	0.191	1.5
1365	0.190	1.5
1370	0.190	1.4
1375	0.190	1.3
1380	0.189	1.3
1385	0.189	1.2
1390	0.188	1.1
1395	0.188	1.1
1400	0.187	1.0
1405	0.187	0.9
1410	0.186	0.8
1415	0.185	0.7
1420	0.184	0.6
1425	0.183	0.5
1430	0.182	0.4
1435	0.180	0.2
1440	0.179	0.2
1445	0.178	0.1
1450	0.177	0.1
1455	0.176	0.0
1460	0.175	0.0
1465	0.174	0.0
1470	0.174	0.0
1475	0.173	0.0
1480	0.172	0.0
1485	0.172	0.0
1490	0.171	0.0
1495	0.171	0.0
1500	0.170	0.0
1505	0.170	0.0
1510	0.169	0.0
1515	0.169	0.0
1520	0.169	0.0
1525	0.168	0.0
1530	0.168	0.0
1535	0.168	0.0
1540	0.167	0.0
1545	0.167	0.0
1550	0.167	0.0
1555	0.166	0.0
1560	0.166	0.0
1565	0.166	0.0
1570	0.165	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1575	0.165	0.0
1580	0.165	0.0
1585	0.165	0.0
1590	0.164	0.0
1595	0.164	0.0
1600	0.164	0.0
1605	0.164	0.0
1610	0.164	0.0
1615	0.163	0.0
1620	0.163	0.0
1625	0.163	0.0
1630	0.163	0.0
1635	0.163	0.0
1640	0.162	0.0
1645	0.162	0.0
1650	0.162	0.0
1655	0.162	0.0
1660	0.162	0.0
1665	0.162	0.0
1670	0.161	0.0
1675	0.161	0.0
1680	0.161	0.0
1685	0.161	0.0
1690	0.161	0.0
1695	0.161	0.0
1700	0.161	0.0
1705	0.160	0.0
1710	0.160	0.0
1715	0.160	0.0
1720	0.160	0.0
1725	0.160	0.0
1730	0.160	0.0
1735	0.160	0.0
1740	0.160	0.0
1745	0.159	0.0
1750	0.159	0.0
1755	0.159	0.0
1760	0.159	0.0
1765	0.159	0.0
1770	0.159	0.0
1775	0.159	0.0
1780	0.159	0.0
1785	0.159	0.0
1790	0.159	0.0
1795	0.158	0.0
1800	0.158	0.0
1805	0.158	0.0
1810	0.158	0.0
1815	0.158	0.0
1820	0.158	0.0
1825	0.158	0.0
1830	0.158	0.0
1835	0.158	0.0
1840	0.157	0.0
1845	0.158	0.0
1850	0.158	0.0
1855	0.157	0.0
1860	0.158	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1865	0.157	0.0
1870	0.157	0.0
1875	0.157	0.0
1880	0.157	0.0
1885	0.157	0.0
1890	0.157	0.0
1895	0.157	0.0
1900	0.157	0.0
1905	0.157	0.0
1910	0.157	0.0
1915	0.157	0.0
1920	0.157	0.0
1925	0.157	0.0
1930	0.157	0.0
1935	0.156	0.0
1940	0.157	0.0
1945	0.157	0.0
1950	0.157	0.0
1955	0.156	0.0
1960	0.156	0.0
1965	0.157	0.0
1970	0.157	0.0
1975	0.157	0.0
1980	0.156	0.0
1985	0.155	0.0
1990	0.156	0.0
1995	0.156	0.0
2000	0.155	0.0
2005	0.155	0.0
2010	0.156	0.0
2015	0.156	0.0
2020	0.156	0.0
2025	0.155	0.0
2030	0.156	0.0
2035	0.155	0.0
2040	0.155	0.0
2045	0.156	0.0
2050	0.155	0.0
2055	0.155	0.0
2060	0.155	0.0
2065	0.155	0.0
2070	0.156	0.0
2075	0.155	0.0
2080	0.155	0.0
2085	0.155	0.0
2090	0.155	0.0
2095	0.155	0.0
2100	0.155	0.0
2105	0.155	0.0
2110	0.155	0.0
2115	0.155	0.0
2120	0.156	0.0
2125	0.155	0.0
2130	0.155	0.0
2135	0.155	0.0
2140	0.154	0.0
2145	0.155	0.0
2150	0.155	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.155	0.0
2160	0.155	0.0
2165	0.155	0.0
2170	0.154	0.0
2175	0.155	0.0
2180	0.155	0.0
2185	0.155	0.0
2190	0.154	0.0
2195	0.154	0.0
2200	0.154	0.0
2205	0.154	0.0
2210	0.154	0.0
2215	0.154	0.0
2220	0.154	0.0
2225	0.154	0.0
2230	0.154	0.0
2235	0.154	0.0
2240	0.154	0.0
2245	0.154	0.0
2250	0.154	0.0
2255	0.155	0.0
2260	0.154	0.0
2265	0.153	0.0
2270	0.154	0.0
2275	0.154	0.0
2280	0.154	0.0
2285	0.154	0.0
2290	0.154	0.0
2295	0.153	0.0
2300	0.154	0.0
2305	0.154	0.0
2310	0.154	0.0
2315	0.153	0.0
2320	0.154	0.0
2325	0.154	0.0
2330	0.153	0.0
2335	0.153	0.0
2340	0.153	0.0
2345	0.154	0.0
2350	0.154	0.0
2355	0.153	0.0
2360	0.153	0.0
2365	0.154	0.0
2370	0.154	0.0
2375	0.153	0.0
2380	0.154	0.0
2385	0.153	0.0
2390	0.153	0.0
2395	0.153	0.0
2400	0.153	0.0
2405	0.153	0.0
2410	0.152	0.0
2415	0.153	0.0
2420	0.154	0.0
2425	0.153	0.0
2430	0.153	0.0
2435	0.153	0.0
2440	0.153	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2445	0.153	0.0
2450	0.153	0.0
2455	0.153	0.0
2460	0.153	0.0
2465	0.153	0.0
2470	0.154	0.0
2475	0.153	0.0
2480	0.152	0.0
2485	0.152	0.0
2490	0.153	0.0
2495	0.152	0.0
2500	0.152	0.0
2505	0.153	0.0
2510	0.152	0.0
2515	0.152	0.0
2520	0.153	0.0
2525	0.152	0.0
2530	0.153	0.0
2535	0.153	0.0
2540	0.152	0.0
2545	0.153	0.0
2550	0.153	0.0
2555	0.152	0.0
2560	0.153	0.0
2565	0.152	0.0
2570	0.152	0.0
2575	0.153	0.0
2580	0.152	0.0
2585	0.152	0.0
2590	0.152	0.0
2595	0.153	0.0
2600	0.153	0.0
2605	0.152	0.0
2610	0.152	0.0
2615	0.152	0.0
2620	0.152	0.0
2625	0.152	0.0
2630	0.152	0.0
2635	0.152	0.0
2640	0.152	0.0
2645	0.152	0.0
2650	0.153	0.0
2655	0.152	0.0
2660	0.152	0.0
2665	0.152	0.0
2670	0.152	0.0
2675	0.152	0.0
2680	0.152	0.0
2685	0.152	0.0
2690	0.152	0.0
2695	0.152	0.0
2700	0.152	0.0
2705	0.152	0.0
2710	0.152	0.0
2715	0.152	0.0
2720	0.152	0.0
2725	0.152	0.0
2730	0.152	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.152	0.0
2740	0.153	0.0
2745	0.153	0.0
2750	0.152	0.0
2755	0.152	0.0
2760	0.152	0.0
2765	0.152	0.0
2770	0.152	0.0
2775	0.152	0.0
2780	0.152	0.0
2785	0.152	0.0
2790	0.152	0.0
2795	0.152	0.0
2800	0.152	0.0
2805	0.152	0.0
2810	0.152	0.0
2815	0.152	0.0
2820	0.152	0.0
2825	0.152	0.0
2830	0.152	0.0
2835	0.152	0.0
2840	0.152	0.0
2845	0.152	0.0
2850	0.152	0.0
2855	0.152	0.0
2860	0.153	0.0
2865	0.152	0.0
2870	0.152	0.0
2875	0.152	0.0
2880	0.152	0.0

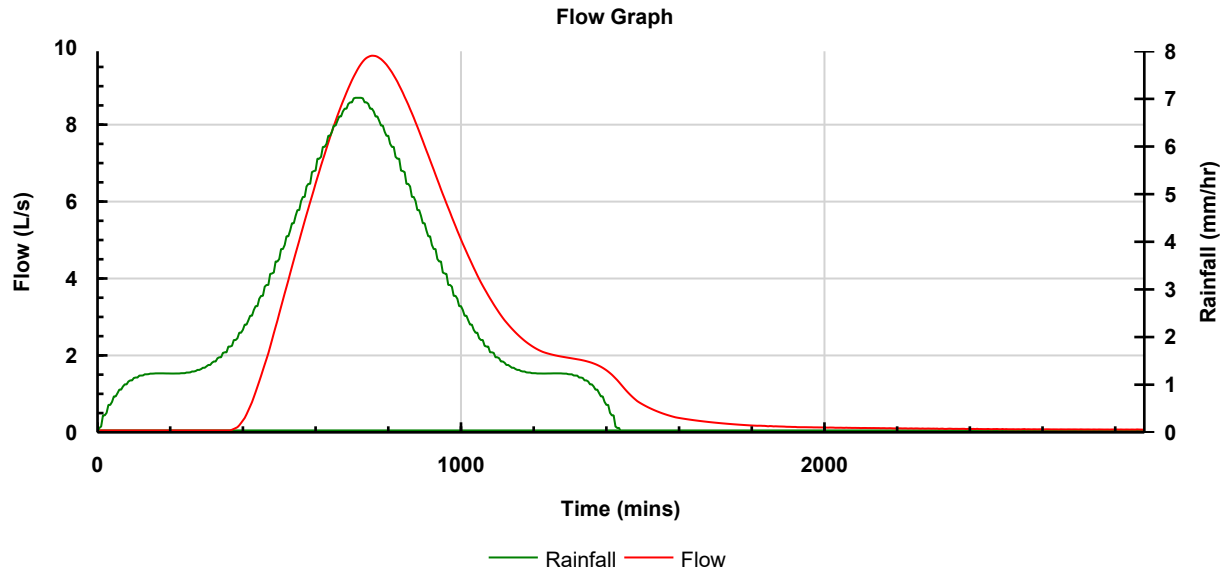
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe Outfall
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.000	0.0
25	0.000	0.0
30	0.000	0.0
35	0.000	0.0
40	0.000	0.0
45	0.000	0.0
50	0.000	0.0
55	0.000	0.0
60	0.000	0.0
65	0.000	0.0
70	0.000	0.0
75	0.000	0.0
80	0.000	0.0
85	0.000	0.0
90	0.000	0.0
95	0.000	0.0
100	0.000	0.0
105	0.000	0.0
110	0.000	0.0
115	0.000	0.0
120	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.000	0.0
130	0.000	0.0
135	0.000	0.0
140	0.000	0.0
145	0.000	0.0
150	0.000	0.0
155	0.000	0.0
160	0.000	0.0
165	0.000	0.0
170	0.000	0.0
175	0.000	0.0
180	0.000	0.0
185	0.000	0.0
190	0.000	0.0
195	0.000	0.0
200	0.000	0.0
205	0.000	0.0
210	0.000	0.0
215	0.000	0.0
220	0.000	0.0
225	0.000	0.0
230	0.000	0.0
235	0.000	0.0
240	0.000	0.0
245	0.000	0.0
250	0.000	0.0
255	0.000	0.0
260	0.000	0.0
265	0.000	0.0
270	0.000	0.0
275	0.000	0.0
280	0.000	0.0
285	0.000	0.0
290	0.000	0.0
295	0.000	0.0
300	0.000	0.0
305	0.000	0.0
310	0.000	0.0
315	0.000	0.0
320	0.000	0.0
325	0.000	0.0
330	0.000	0.0
335	0.000	0.0
340	0.000	0.0
345	0.000	0.0
350	0.000	0.0
355	0.000	0.0
360	0.000	0.0
365	0.000	0.0
370	0.001	0.0
375	0.003	0.0
380	0.004	0.1
385	0.006	0.1
390	0.007	0.1
395	0.009	0.2
400	0.010	0.3
405	0.012	0.3
410	0.013	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.015	0.5
420	0.016	0.6
425	0.017	0.7
430	0.019	0.9
435	0.020	1.0
440	0.021	1.1
445	0.023	1.3
450	0.024	1.4
455	0.025	1.6
460	0.026	1.7
465	0.027	1.9
470	0.028	2.0
475	0.029	2.2
480	0.031	2.4
485	0.032	2.5
490	0.033	2.7
495	0.034	2.9
500	0.035	3.1
505	0.036	3.2
510	0.037	3.4
515	0.038	3.6
520	0.039	3.8
525	0.040	3.9
530	0.041	4.1
535	0.041	4.3
540	0.042	4.5
545	0.043	4.6
550	0.044	4.8
555	0.045	5.0
560	0.046	5.1
565	0.046	5.3
570	0.047	5.5
575	0.048	5.6
580	0.049	5.8
585	0.050	6.0
590	0.050	6.1
595	0.051	6.3
600	0.052	6.5
605	0.052	6.6
610	0.053	6.8
615	0.054	6.9
620	0.054	7.1
625	0.055	7.2
630	0.056	7.4
635	0.056	7.5
640	0.057	7.7
645	0.058	7.8
650	0.058	8.0
655	0.059	8.1
660	0.059	8.2
665	0.060	8.3
670	0.060	8.5
675	0.061	8.6
680	0.061	8.7
685	0.062	8.8
690	0.062	8.9
695	0.063	9.0
700	0.063	9.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
705	0.064	9.2
710	0.064	9.3
715	0.064	9.4
720	0.065	9.5
725	0.065	9.6
730	0.065	9.6
735	0.066	9.7
740	0.066	9.7
745	0.066	9.8
750	0.066	9.8
755	0.066	9.8
760	0.066	9.8
765	0.066	9.8
770	0.066	9.8
775	0.066	9.7
780	0.066	9.7
785	0.066	9.7
790	0.065	9.6
795	0.065	9.6
800	0.065	9.5
805	0.065	9.4
810	0.064	9.4
815	0.064	9.3
820	0.064	9.2
825	0.063	9.1
830	0.063	9.0
835	0.062	8.9
840	0.062	8.8
845	0.062	8.7
850	0.061	8.6
855	0.061	8.5
860	0.060	8.4
865	0.060	8.3
870	0.059	8.2
875	0.059	8.1
880	0.058	7.9
885	0.058	7.8
890	0.057	7.7
895	0.057	7.6
900	0.056	7.4
905	0.056	7.3
910	0.055	7.2
915	0.054	7.1
920	0.054	6.9
925	0.053	6.8
930	0.053	6.7
935	0.052	6.6
940	0.052	6.4
945	0.051	6.3
950	0.051	6.2
955	0.050	6.1
960	0.049	5.9
965	0.049	5.8
970	0.048	5.7
975	0.048	5.6
980	0.047	5.5
985	0.047	5.3
990	0.046	5.2

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
995	0.046	5.1
1000	0.045	5.0
1005	0.045	4.9
1010	0.044	4.8
1015	0.043	4.7
1020	0.043	4.6
1025	0.042	4.5
1030	0.042	4.4
1035	0.041	4.3
1040	0.041	4.2
1045	0.040	4.1
1050	0.040	4.0
1055	0.039	3.9
1060	0.039	3.8
1065	0.038	3.7
1070	0.038	3.6
1075	0.038	3.5
1080	0.037	3.4
1085	0.037	3.4
1090	0.036	3.3
1095	0.036	3.2
1100	0.035	3.1
1105	0.035	3.1
1110	0.035	3.0
1115	0.034	2.9
1120	0.034	2.9
1125	0.034	2.8
1130	0.033	2.8
1135	0.033	2.7
1140	0.033	2.7
1145	0.032	2.6
1150	0.032	2.6
1155	0.032	2.5
1160	0.031	2.5
1165	0.031	2.4
1170	0.031	2.4
1175	0.031	2.3
1180	0.030	2.3
1185	0.030	2.3
1190	0.030	2.2
1195	0.030	2.2
1200	0.029	2.2
1205	0.029	2.1
1210	0.029	2.1
1215	0.029	2.1
1220	0.029	2.1
1225	0.029	2.1
1230	0.028	2.0
1235	0.028	2.0
1240	0.028	2.0
1245	0.028	2.0
1250	0.028	2.0
1255	0.028	2.0
1260	0.028	2.0
1265	0.028	2.0
1270	0.028	1.9
1275	0.028	1.9
1280	0.028	1.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1285	0.028	1.9
1290	0.028	1.9
1295	0.028	1.9
1300	0.027	1.9
1305	0.027	1.9
1310	0.027	1.9
1315	0.027	1.9
1320	0.027	1.9
1325	0.027	1.9
1330	0.027	1.8
1335	0.027	1.8
1340	0.027	1.8
1345	0.027	1.8
1350	0.027	1.8
1355	0.027	1.8
1360	0.027	1.8
1365	0.026	1.7
1370	0.026	1.7
1375	0.026	1.7
1380	0.026	1.7
1385	0.026	1.7
1390	0.026	1.6
1395	0.025	1.6
1400	0.025	1.6
1405	0.025	1.5
1410	0.025	1.5
1415	0.024	1.5
1420	0.024	1.4
1425	0.023	1.4
1430	0.023	1.3
1435	0.023	1.3
1440	0.022	1.2
1445	0.022	1.1
1450	0.021	1.1
1455	0.021	1.0
1460	0.020	1.0
1465	0.020	0.9
1470	0.019	0.9
1475	0.019	0.8
1480	0.018	0.8
1485	0.018	0.8
1490	0.017	0.7
1495	0.017	0.7
1500	0.017	0.7
1505	0.016	0.7
1510	0.016	0.6
1515	0.016	0.6
1520	0.016	0.6
1525	0.015	0.6
1530	0.015	0.5
1535	0.015	0.5
1540	0.015	0.5
1545	0.014	0.5
1550	0.014	0.5
1555	0.014	0.4
1560	0.014	0.4
1565	0.013	0.4
1570	0.013	0.4

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1575	0.013	0.4
1580	0.013	0.4
1585	0.012	0.4
1590	0.012	0.3
1595	0.012	0.3
1600	0.012	0.3
1605	0.012	0.3
1610	0.012	0.3
1615	0.012	0.3
1620	0.011	0.3
1625	0.011	0.3
1630	0.011	0.3
1635	0.011	0.3
1640	0.011	0.3
1645	0.011	0.3
1650	0.011	0.3
1655	0.011	0.2
1660	0.010	0.2
1665	0.010	0.2
1670	0.010	0.2
1675	0.010	0.2
1680	0.010	0.2
1685	0.010	0.2
1690	0.010	0.2
1695	0.010	0.2
1700	0.010	0.2
1705	0.009	0.2
1710	0.009	0.2
1715	0.009	0.2
1720	0.009	0.2
1725	0.009	0.2
1730	0.009	0.2
1735	0.009	0.2
1740	0.009	0.2
1745	0.009	0.2
1750	0.009	0.2
1755	0.009	0.2
1760	0.008	0.2
1765	0.008	0.2
1770	0.008	0.1
1775	0.008	0.1
1780	0.008	0.1
1785	0.008	0.1
1790	0.008	0.1
1795	0.008	0.1
1800	0.008	0.1
1805	0.008	0.1
1810	0.008	0.1
1815	0.008	0.1
1820	0.008	0.1
1825	0.008	0.1
1830	0.008	0.1
1835	0.007	0.1
1840	0.007	0.1
1845	0.007	0.1
1850	0.007	0.1
1855	0.007	0.1
1860	0.007	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1865	0.007	0.1
1870	0.007	0.1
1875	0.007	0.1
1880	0.007	0.1
1885	0.007	0.1
1890	0.007	0.1
1895	0.007	0.1
1900	0.007	0.1
1905	0.007	0.1
1910	0.007	0.1
1915	0.006	0.1
1920	0.006	0.1
1925	0.006	0.1
1930	0.006	0.1
1935	0.006	0.1
1940	0.006	0.1
1945	0.006	0.1
1950	0.006	0.1
1955	0.006	0.1
1960	0.006	0.1
1965	0.006	0.1
1970	0.006	0.1
1975	0.006	0.1
1980	0.006	0.1
1985	0.006	0.1
1990	0.006	0.1
1995	0.006	0.1
2000	0.006	0.1
2005	0.006	0.1
2010	0.006	0.1
2015	0.006	0.1
2020	0.006	0.1
2025	0.006	0.1
2030	0.006	0.1
2035	0.006	0.1
2040	0.006	0.1
2045	0.006	0.1
2050	0.006	0.1
2055	0.005	0.1
2060	0.006	0.1
2065	0.005	0.1
2070	0.005	0.1
2075	0.005	0.1
2080	0.005	0.1
2085	0.005	0.1
2090	0.005	0.1
2095	0.005	0.1
2100	0.005	0.1
2105	0.005	0.1
2110	0.005	0.1
2115	0.005	0.1
2120	0.005	0.1
2125	0.005	0.1
2130	0.005	0.1
2135	0.005	0.1
2140	0.005	0.1
2145	0.005	0.1
2150	0.005	0.1

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2155	0.005	0.1
2160	0.005	0.1
2165	0.005	0.1
2170	0.005	0.1
2175	0.005	0.1
2180	0.005	0.1
2185	0.005	0.1
2190	0.005	0.1
2195	0.005	0.1
2200	0.005	0.1
2205	0.005	0.1
2210	0.005	0.1
2215	0.004	0.1
2220	0.005	0.1
2225	0.005	0.1
2230	0.004	0.0
2235	0.004	0.1
2240	0.004	0.1
2245	0.004	0.0
2250	0.004	0.1
2255	0.004	0.1
2260	0.004	0.0
2265	0.004	0.0
2270	0.004	0.1
2275	0.004	0.0
2280	0.004	0.0
2285	0.004	0.0
2290	0.004	0.0
2295	0.004	0.0
2300	0.004	0.0
2305	0.004	0.0
2310	0.004	0.0
2315	0.004	0.0
2320	0.004	0.0
2325	0.004	0.0
2330	0.004	0.0
2335	0.004	0.0
2340	0.004	0.0
2345	0.004	0.0
2350	0.004	0.0
2355	0.004	0.0
2360	0.004	0.0
2365	0.004	0.0
2370	0.004	0.0
2375	0.004	0.0
2380	0.004	0.0
2385	0.004	0.0
2390	0.004	0.0
2395	0.004	0.0
2400	0.004	0.0
2405	0.004	0.0
2410	0.004	0.0
2415	0.004	0.0
2420	0.004	0.0
2425	0.004	0.0
2430	0.004	0.0
2435	0.004	0.0
2440	0.003	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2445	0.003	0.0
2450	0.003	0.0
2455	0.004	0.0
2460	0.003	0.0
2465	0.003	0.0
2470	0.003	0.0
2475	0.003	0.0
2480	0.003	0.0
2485	0.003	0.0
2490	0.003	0.0
2495	0.003	0.0
2500	0.003	0.0
2505	0.003	0.0
2510	0.003	0.0
2515	0.003	0.0
2520	0.003	0.0
2525	0.003	0.0
2530	0.003	0.0
2535	0.003	0.0
2540	0.003	0.0
2545	0.003	0.0
2550	0.003	0.0
2555	0.003	0.0
2560	0.003	0.0
2565	0.003	0.0
2570	0.003	0.0
2575	0.003	0.0
2580	0.003	0.0
2585	0.003	0.0
2590	0.003	0.0
2595	0.003	0.0
2600	0.003	0.0
2605	0.003	0.0
2610	0.003	0.0
2615	0.003	0.0
2620	0.003	0.0
2625	0.003	0.0
2630	0.003	0.0
2635	0.003	0.0
2640	0.003	0.0
2645	0.003	0.0
2650	0.003	0.0
2655	0.003	0.0
2660	0.003	0.0
2665	0.003	0.0
2670	0.003	0.0
2675	0.003	0.0
2680	0.003	0.0
2685	0.003	0.0
2690	0.003	0.0
2695	0.003	0.0
2700	0.003	0.0
2705	0.003	0.0
2710	0.003	0.0
2715	0.003	0.0
2720	0.003	0.0
2725	0.003	0.0
2730	0.003	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 1.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.003	0.0
2740	0.003	0.0
2745	0.003	0.0
2750	0.003	0.0
2755	0.003	0.0
2760	0.003	0.0
2765	0.003	0.0
2770	0.003	0.0
2775	0.003	0.0
2780	0.003	0.0
2785	0.003	0.0
2790	0.003	0.0
2795	0.003	0.0
2800	0.003	0.0
2805	0.003	0.0
2810	0.003	0.0
2815	0.003	0.0
2820	0.003	0.0
2825	0.003	0.0
2830	0.003	0.0
2835	0.003	0.0
2840	0.003	0.0
2845	0.003	0.0
2850	0.003	0.0
2855	0.003	0.0
2860	0.003	0.0
2865	0.003	0.0
2870	0.003	0.0
2875	0.003	0.0
2880	0.003	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Area Roof R Front

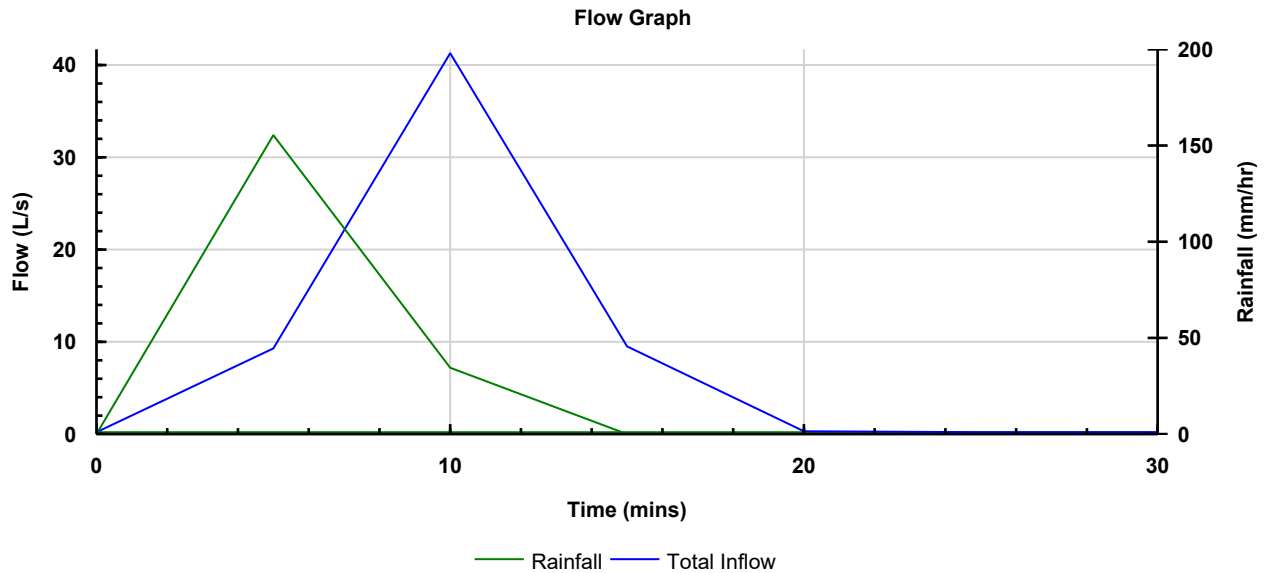
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow

Max. Inflow (L/s)	41.3
Total Inflow Volume (m³)	17.907

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Inflow Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

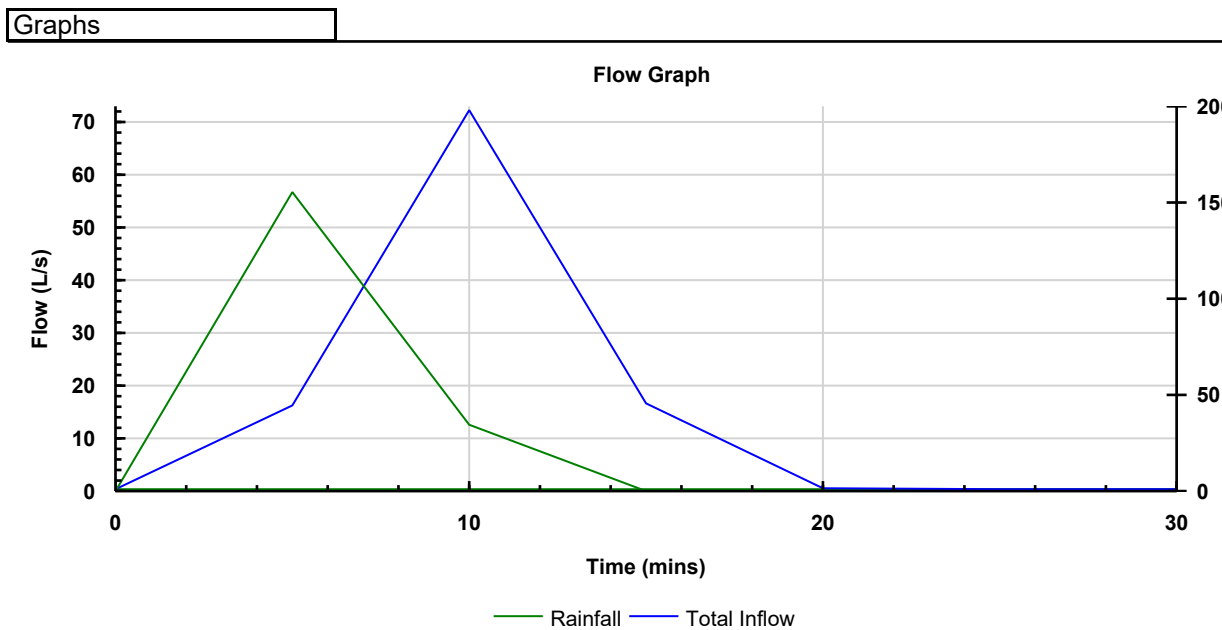


Area Service Yard R

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Catchment Area

Inflow	
Max. Inflow (L/s)	72.2
Total Inflow Volume (m³)	31.334



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

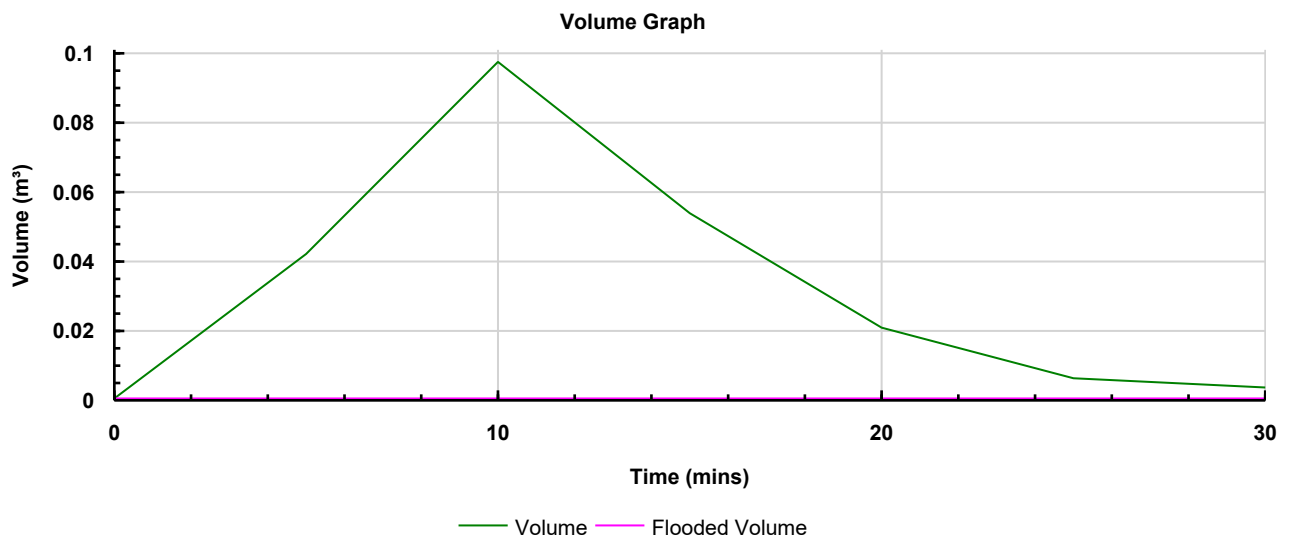
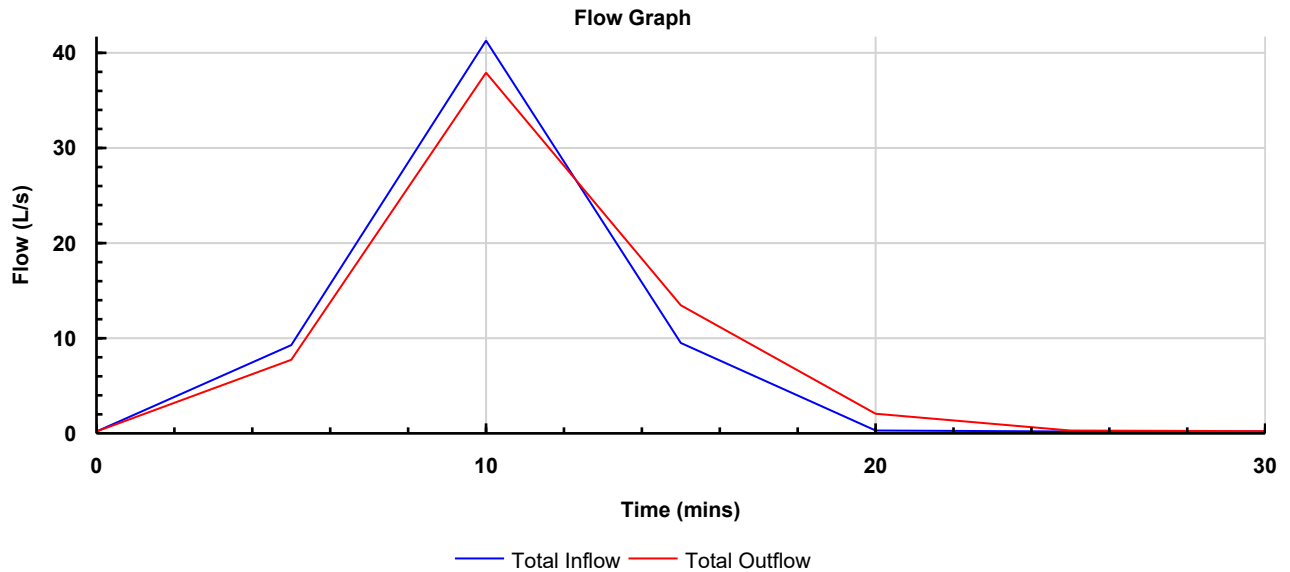


SMH-05

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

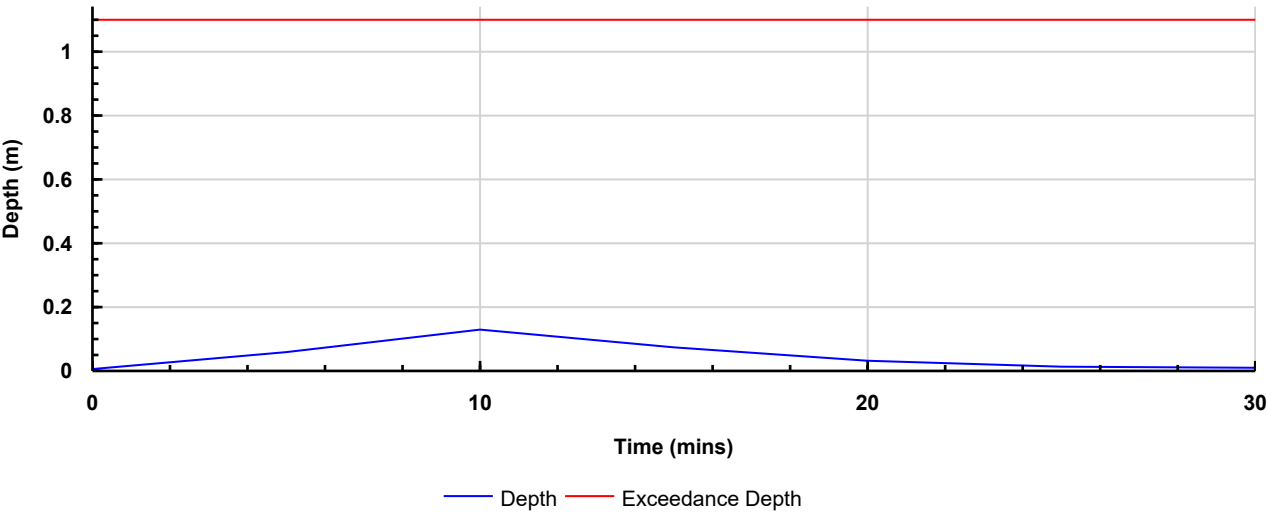
Type : Manhole

Graphs



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	9.1	9.1	9.1	0.053	0.042	0.000	7.6
10	41.3	41.3	41.3	0.124	0.098	0.000	37.9
15	9.3	9.3	9.3	0.068	0.054	0.000	13.3
20	0.1	0.1	0.1	0.026	0.021	0.000	1.9
25	0.0	0.0	0.0	0.007	0.006	0.000	0.1
30	0.0	0.0	0.0	0.004	0.003	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	7.6
10	37.9
15	13.3
20	1.9
25	0.1
30	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



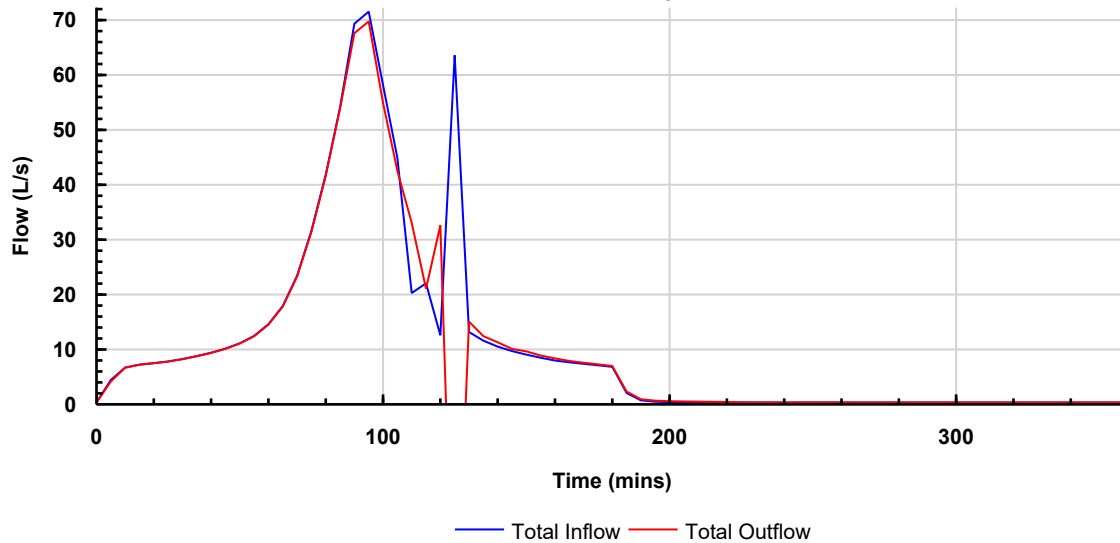
SMH-04

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Summer

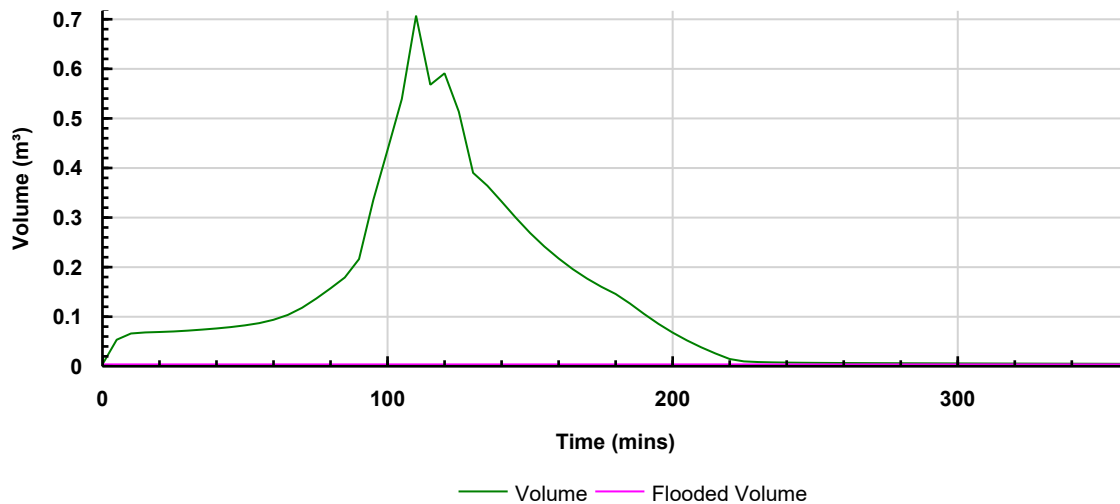
Type : Manhole

Graphs

Flow Graph

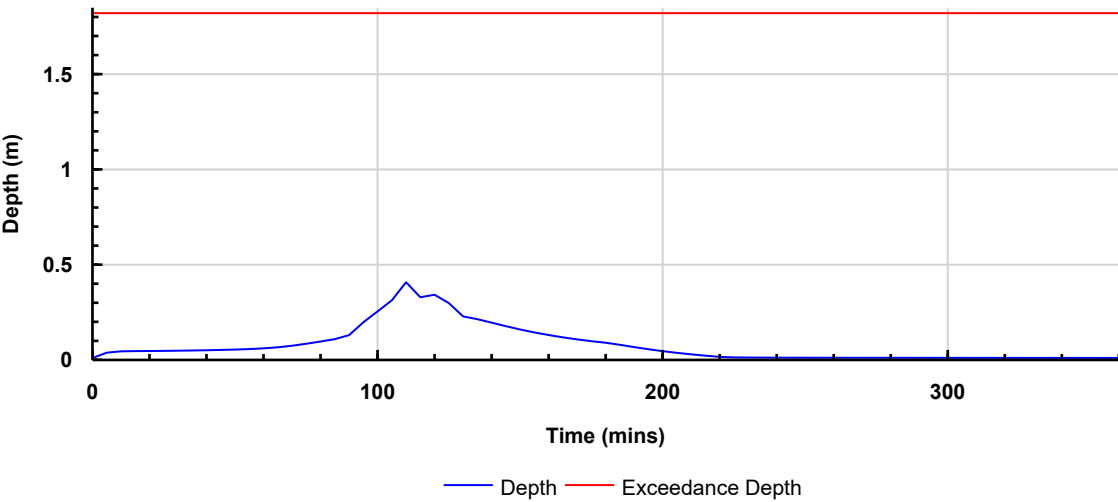


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
0	0.0	0.0	0.0	0.0	0.000	0.000	0.000
5	4.1	2.1	2.0	4.1	0.028	0.050	0.000
10	6.4	4.2	2.2	6.4	0.035	0.063	0.000
15	6.9	4.6	2.3	6.9	0.037	0.065	0.000
20	7.2	4.8	2.4	7.2	0.037	0.066	0.000
25	7.5	5.0	2.5	7.5	0.038	0.067	0.000
30	7.9	5.3	2.6	7.9	0.039	0.068	0.000
35	8.5	5.7	2.8	8.5	0.040	0.071	0.000
40	9.1	6.1	3.0	9.1	0.041	0.073	0.000
45	9.9	6.6	3.3	9.9	0.043	0.076	0.000
50	10.8	7.2	3.6	10.8	0.045	0.079	0.000
55	12.2	8.1	4.1	12.2	0.047	0.084	0.000
60	14.3	9.5	4.8	14.3	0.051	0.090	0.000
65	17.7	11.7	6.0	17.7	0.057	0.100	0.000
70	23.2	15.3	7.9	23.2	0.065	0.115	0.000
75	31.4	20.7	10.7	31.4	0.076	0.134	0.000
80	41.7	27.6	14.1	41.7	0.087	0.154	0.000
85	54.0	35.9	18.1	54.0	0.100	0.176	0.000
90	69.3	46.1	23.2	69.3	0.121	0.214	0.000
95	71.5	48.3	23.2	71.5	0.189	0.333	0.000
100	58.1	39.9	18.2	58.1	0.246	0.435	0.000
105	44.8	30.6	14.2	44.8	0.305	0.538	0.000
110	20.0	9.3	10.8	20.0	0.400	0.707	0.000
115	21.8	13.9	7.9	21.8	0.321	0.567	0.000
120	12.3	6.3	6.0	12.3	0.334	0.590	0.000
125	13.4	8.6	4.8	63.5	0.290	0.512	0.000
130	12.9	8.8	4.1	12.9	0.220	0.388	0.000
135	11.3	7.7	3.6	11.3	0.205	0.362	0.000
140	10.2	7.0	3.3	10.2	0.187	0.330	0.000
145	9.4	6.4	3.0	9.4	0.168	0.297	0.000
150	8.8	6.0	2.8	8.8	0.151	0.266	0.000
155	8.2	5.6	2.6	8.2	0.135	0.239	0.000
160	7.7	5.2	2.5	7.7	0.122	0.215	0.000
165	7.3	5.0	2.4	7.3	0.109	0.193	0.000
170	7.1	4.8	2.3	7.1	0.098	0.174	0.000
175	6.8	4.6	2.2	6.8	0.089	0.157	0.000
180	6.5	4.4	2.1	6.5	0.081	0.143	0.000
185	1.7	1.7	0.0	1.7	0.070	0.124	0.000
190	0.4	0.4	0.0	0.4	0.058	0.102	0.000
195	0.1	0.1	0.0	0.1	0.047	0.082	0.000
200	0.1	0.1	0.0	0.1	0.036	0.064	0.000
205	0.0	0.0	0.0	0.0	0.028	0.049	0.000
210	0.0	0.0	0.0	0.0	0.020	0.035	0.000
215	0.0	0.0	0.0	0.0	0.013	0.022	0.000
220	0.0	0.0	0.0	0.0	0.006	0.011	0.000
225	0.0	0.0	0.0	0.0	0.003	0.006	0.000
230	0.0	0.0	0.0	0.0	0.003	0.005	0.000
235	0.0	0.0	0.0	0.0	0.002	0.004	0.000
240	0.0	0.0	0.0	0.0	0.002	0.004	0.000
245	0.0	0.0	0.0	0.0	0.002	0.003	0.000
250	0.0	0.0	0.0	0.0	0.002	0.003	0.000
255	0.0	0.0	0.0	0.0	0.002	0.003	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0
5	3.8	3.8
10	6.4	6.4
15	6.9	6.9
20	7.2	7.2
25	7.5	7.5
30	7.9	7.9
35	8.5	8.5
40	9.1	9.1
45	9.8	9.8
50	10.8	10.8
55	12.1	12.1
60	14.2	14.2
65	17.5	17.5
70	23.0	23.0
75	31.2	31.2
80	41.5	41.5
85	53.8	53.8
90	67.6	67.6
95	69.7	69.7
100	54.8	54.8
105	42.4	42.4
110	32.9	32.9
115	20.8	20.8
120	32.4	32.4
125	-49.5	-49.5
130	14.8	14.8
135	12.1	12.1
140	11.0	11.0
145	9.8	9.8
150	9.3	9.3
155	8.6	8.6
160	8.1	8.1
165	7.6	7.6
170	7.3	7.3
175	7.0	7.0
180	6.7	6.7
185	2.0	2.0
190	0.6	0.6
195	0.3	0.3
200	0.2	0.2
205	0.2	0.2
210	0.2	0.2
215	0.1	0.1
220	0.1	0.1
225	0.0	0.0
230	0.0	0.0
235	0.0	0.0
240	0.0	0.0
245	0.0	0.0
250	0.0	0.0
255	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Inlet (1)(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)
260	0.0	0.0	0.0	0.0	0.002	0.003	0.000
265	0.0	0.0	0.0	0.0	0.001	0.003	0.000
270	0.0	0.0	0.0	0.0	0.001	0.003	0.000
275	0.0	0.0	0.0	0.0	0.001	0.002	0.000
280	0.0	0.0	0.0	0.0	0.001	0.002	0.000
285	0.0	0.0	0.0	0.0	0.001	0.002	0.000
290	0.0	0.0	0.0	0.0	0.001	0.002	0.000
295	0.0	0.0	0.0	0.0	0.001	0.002	0.000
300	0.0	0.0	0.0	0.0	0.001	0.002	0.000
305	0.0	0.0	0.0	0.0	0.001	0.002	0.000
310	0.0	0.0	0.0	0.0	0.001	0.002	0.000
315	0.0	0.0	0.0	0.0	0.001	0.002	0.000
320	0.0	0.0	0.0	0.0	0.001	0.002	0.000
325	0.0	0.0	0.0	0.0	0.001	0.002	0.000
330	0.0	0.0	0.0	0.0	0.001	0.002	0.000
335	0.0	0.0	0.0	0.0	0.001	0.001	0.000
340	0.0	0.0	0.0	0.0	0.001	0.001	0.000
345	0.0	0.0	0.0	0.0	0.001	0.001	0.000
350	0.0	0.0	0.0	0.0	0.001	0.001	0.000
355	0.0	0.0	0.0	0.0	0.001	0.001	0.000
360	0.0	0.0	0.0	0.0	0.001	0.001	0.000

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Outlet(L/s)	Total Outflow (L/s)
260	0.0	0.0
265	0.0	0.0
270	0.0	0.0
275	0.0	0.0
280	0.0	0.0
285	0.0	0.0
290	0.0	0.0
295	0.0	0.0
300	0.0	0.0
305	0.0	0.0
310	0.0	0.0
315	0.0	0.0
320	0.0	0.0
325	0.0	0.0
330	0.0	0.0
335	0.0	0.0
340	0.0	0.0
345	0.0	0.0
350	0.0	0.0
355	0.0	0.0
360	0.0	0.0

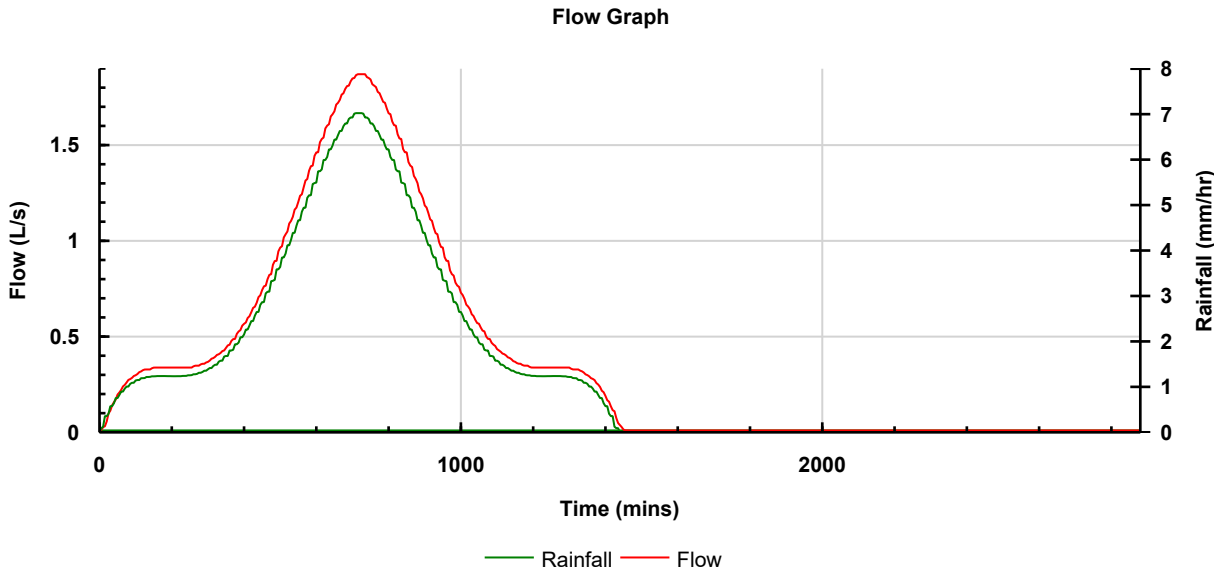
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 2.01
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 1440 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.001	0.0
10	0.002	0.0
15	0.002	0.0
20	0.004	0.0
25	0.006	0.1
30	0.006	0.1
35	0.007	0.1
40	0.008	0.1
45	0.008	0.2
50	0.009	0.2
55	0.009	0.2
60	0.010	0.2
65	0.010	0.2
70	0.010	0.2
75	0.011	0.3
80	0.011	0.3
85	0.011	0.3
90	0.011	0.3
95	0.011	0.3
100	0.011	0.3
105	0.011	0.3
110	0.011	0.3
115	0.012	0.3
120	0.012	0.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.012	0.3
130	0.012	0.3
135	0.012	0.3
140	0.012	0.3
145	0.012	0.3
150	0.012	0.3
155	0.012	0.3
160	0.012	0.3
165	0.012	0.3
170	0.012	0.3
175	0.012	0.3
180	0.012	0.3
185	0.012	0.3
190	0.012	0.3
195	0.012	0.3
200	0.012	0.3
205	0.012	0.3
210	0.012	0.3
215	0.012	0.3
220	0.012	0.3
225	0.012	0.3
230	0.012	0.3
235	0.012	0.3
240	0.012	0.3
245	0.012	0.3
250	0.012	0.3
255	0.012	0.3
260	0.012	0.3
265	0.012	0.3
270	0.012	0.3
275	0.012	0.3
280	0.012	0.3
285	0.012	0.3
290	0.012	0.3
295	0.012	0.4
300	0.012	0.4
305	0.012	0.4
310	0.013	0.4
315	0.013	0.4
320	0.013	0.4
325	0.013	0.4
330	0.013	0.4
335	0.013	0.4
340	0.013	0.4
345	0.013	0.4
350	0.013	0.4
355	0.014	0.4
360	0.014	0.4
365	0.014	0.5
370	0.014	0.5
375	0.014	0.5
380	0.014	0.5
385	0.015	0.5
390	0.015	0.5
395	0.015	0.6
400	0.015	0.6
405	0.015	0.6
410	0.016	0.6

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
415	0.016	0.6
420	0.016	0.6
425	0.016	0.6
430	0.016	0.6
435	0.016	0.7
440	0.017	0.7
445	0.017	0.7
450	0.017	0.7
455	0.017	0.8
460	0.018	0.8
465	0.018	0.8
470	0.018	0.8
475	0.018	0.8
480	0.019	0.9
485	0.019	0.9
490	0.019	0.9
495	0.019	0.9
500	0.020	1.0
505	0.020	1.0
510	0.020	1.0
515	0.020	1.0
520	0.020	1.0
525	0.021	1.1
530	0.021	1.1
535	0.021	1.1
540	0.021	1.2
545	0.021	1.2
550	0.022	1.2
555	0.022	1.2
560	0.022	1.2
565	0.022	1.3
570	0.023	1.3
575	0.023	1.3
580	0.023	1.4
585	0.023	1.4
590	0.023	1.4
595	0.024	1.4
600	0.024	1.5
605	0.024	1.5
610	0.024	1.5
615	0.024	1.5
620	0.024	1.5
625	0.025	1.6
630	0.025	1.6
635	0.025	1.6
640	0.025	1.6
645	0.025	1.7
650	0.025	1.7
655	0.026	1.7
660	0.026	1.7
665	0.026	1.7
670	0.026	1.8
675	0.026	1.8
680	0.026	1.8
685	0.026	1.8
690	0.026	1.8
695	0.026	1.8
700	0.026	1.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
705	0.027	1.8
710	0.027	1.9
715	0.027	1.9
720	0.027	1.9
725	0.027	1.9
730	0.027	1.9
735	0.027	1.9
740	0.027	1.9
745	0.027	1.9
750	0.026	1.8
755	0.026	1.8
760	0.026	1.8
765	0.026	1.8
770	0.026	1.8
775	0.026	1.8
780	0.026	1.7
785	0.026	1.7
790	0.026	1.7
795	0.025	1.7
800	0.025	1.7
805	0.025	1.7
810	0.025	1.6
815	0.025	1.6
820	0.025	1.6
825	0.024	1.6
830	0.024	1.5
835	0.024	1.5
840	0.024	1.5
845	0.024	1.5
850	0.024	1.5
855	0.023	1.4
860	0.023	1.4
865	0.023	1.4
870	0.023	1.3
875	0.023	1.3
880	0.022	1.3
885	0.022	1.3
890	0.022	1.2
895	0.022	1.2
900	0.021	1.2
905	0.021	1.2
910	0.021	1.1
915	0.021	1.1
920	0.021	1.1
925	0.020	1.1
930	0.020	1.0
935	0.020	1.0
940	0.020	1.0
945	0.020	1.0
950	0.020	1.0
955	0.019	0.9
960	0.019	0.9
965	0.019	0.9
970	0.018	0.8
975	0.018	0.8
980	0.018	0.8
985	0.018	0.8
990	0.018	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
995	0.017	0.8
1000	0.017	0.7
1005	0.017	0.7
1010	0.017	0.7
1015	0.016	0.7
1020	0.016	0.7
1025	0.016	0.6
1030	0.016	0.6
1035	0.016	0.6
1040	0.015	0.6
1045	0.015	0.6
1050	0.015	0.6
1055	0.015	0.5
1060	0.015	0.5
1065	0.015	0.5
1070	0.014	0.5
1075	0.014	0.5
1080	0.014	0.5
1085	0.014	0.5
1090	0.014	0.5
1095	0.014	0.4
1100	0.013	0.4
1105	0.013	0.4
1110	0.013	0.4
1115	0.013	0.4
1120	0.013	0.4
1125	0.013	0.4
1130	0.013	0.4
1135	0.013	0.4
1140	0.013	0.4
1145	0.012	0.4
1150	0.012	0.4
1155	0.012	0.4
1160	0.012	0.4
1165	0.012	0.4
1170	0.012	0.3
1175	0.012	0.3
1180	0.012	0.3
1185	0.012	0.3
1190	0.012	0.3
1195	0.012	0.3
1200	0.012	0.3
1205	0.012	0.3
1210	0.012	0.3
1215	0.012	0.3
1220	0.012	0.3
1225	0.012	0.3
1230	0.012	0.3
1235	0.012	0.3
1240	0.012	0.3
1245	0.012	0.3
1250	0.012	0.3
1255	0.012	0.3
1260	0.012	0.3
1265	0.012	0.3
1270	0.012	0.3
1275	0.012	0.3
1280	0.012	0.3

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1285	0.012	0.3
1290	0.012	0.3
1295	0.012	0.3
1300	0.012	0.3
1305	0.012	0.3
1310	0.012	0.3
1315	0.012	0.3
1320	0.012	0.3
1325	0.012	0.3
1330	0.012	0.3
1335	0.012	0.3
1340	0.011	0.3
1345	0.011	0.3
1350	0.011	0.3
1355	0.011	0.3
1360	0.011	0.3
1365	0.011	0.3
1370	0.011	0.3
1375	0.010	0.2
1380	0.010	0.2
1385	0.010	0.2
1390	0.010	0.2
1395	0.009	0.2
1400	0.009	0.2
1405	0.008	0.2
1410	0.008	0.2
1415	0.007	0.1
1420	0.006	0.1
1425	0.006	0.1
1430	0.005	0.1
1435	0.003	0.0
1440	0.003	0.0
1445	0.002	0.0
1450	0.001	0.0
1455	0.000	0.0
1460	0.000	0.0
1465	0.000	0.0
1470	0.000	0.0
1475	0.000	0.0
1480	0.000	0.0
1485	0.000	0.0
1490	0.000	0.0
1495	0.000	0.0
1500	0.000	0.0
1505	0.000	0.0
1510	0.000	0.0
1515	0.000	0.0
1520	0.000	0.0
1525	0.000	0.0
1530	0.000	0.0
1535	0.000	0.0
1540	0.000	0.0
1545	0.000	0.0
1550	0.000	0.0
1555	0.000	0.0
1560	0.000	0.0
1565	0.000	0.0
1570	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
1575	0.000	0.0
1580	0.000	0.0
1585	0.000	0.0
1590	0.000	0.0
1595	0.000	0.0
1600	0.000	0.0
1605	0.000	0.0
1610	0.000	0.0
1615	0.000	0.0
1620	0.000	0.0
1625	0.000	0.0
1630	0.000	0.0
1635	0.000	0.0
1640	0.000	0.0
1645	0.000	0.0
1650	0.000	0.0
1655	0.000	0.0
1660	0.000	0.0
1665	0.000	0.0
1670	0.000	0.0
1675	0.000	0.0
1680	0.000	0.0
1685	0.000	0.0
1690	0.000	0.0
1695	0.000	0.0
1700	0.000	0.0
1705	0.000	0.0
1710	0.000	0.0
1715	0.000	0.0
1720	0.000	0.0
1725	0.000	0.0
1730	0.000	0.0
1735	0.000	0.0
1740	0.000	0.0
1745	0.000	0.0
1750	0.000	0.0
1755	0.000	0.0
1760	0.000	0.0
1765	0.000	0.0
1770	0.000	0.0
1775	0.000	0.0
1780	0.000	0.0
1785	0.000	0.0
1790	0.000	0.0
1795	0.000	0.0
1800	0.000	0.0
1805	0.000	0.0
1810	0.000	0.0
1815	0.000	0.0
1820	0.000	0.0
1825	0.000	0.0
1830	0.000	0.0
1835	0.000	0.0
1840	0.000	0.0
1845	0.000	0.0
1850	0.000	0.0
1855	0.000	0.0
1860	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
1865	0.000	0.0
1870	0.000	0.0
1875	0.000	0.0
1880	0.000	0.0
1885	0.000	0.0
1890	0.000	0.0
1895	0.000	0.0
1900	0.000	0.0
1905	0.000	0.0
1910	0.000	0.0
1915	0.000	0.0
1920	0.000	0.0
1925	0.000	0.0
1930	0.000	0.0
1935	0.000	0.0
1940	0.000	0.0
1945	0.000	0.0
1950	0.000	0.0
1955	0.000	0.0
1960	0.000	0.0
1965	0.000	0.0
1970	0.000	0.0
1975	0.000	0.0
1980	0.000	0.0
1985	0.000	0.0
1990	0.000	0.0
1995	0.000	0.0
2000	0.000	0.0
2005	0.000	0.0
2010	0.000	0.0
2015	0.000	0.0
2020	0.000	0.0
2025	0.000	0.0
2030	0.000	0.0
2035	0.000	0.0
2040	0.000	0.0
2045	0.000	0.0
2050	0.000	0.0
2055	0.000	0.0
2060	0.000	0.0
2065	0.000	0.0
2070	0.000	0.0
2075	0.000	0.0
2080	0.000	0.0
2085	0.000	0.0
2090	0.000	0.0
2095	0.000	0.0
2100	0.000	0.0
2105	0.000	0.0
2110	0.000	0.0
2115	0.000	0.0
2120	0.000	0.0
2125	0.000	0.0
2130	0.000	0.0
2135	0.000	0.0
2140	0.000	0.0
2145	0.000	0.0
2150	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
2155	0.000	0.0
2160	0.000	0.0
2165	0.000	0.0
2170	0.000	0.0
2175	0.000	0.0
2180	0.000	0.0
2185	0.000	0.0
2190	0.000	0.0
2195	0.000	0.0
2200	0.000	0.0
2205	0.000	0.0
2210	0.000	0.0
2215	0.000	0.0
2220	0.000	0.0
2225	0.000	0.0
2230	0.000	0.0
2235	0.000	0.0
2240	0.000	0.0
2245	0.000	0.0
2250	0.000	0.0
2255	0.000	0.0
2260	0.000	0.0
2265	0.000	0.0
2270	0.000	0.0
2275	0.000	0.0
2280	0.000	0.0
2285	0.000	0.0
2290	0.000	0.0
2295	0.000	0.0
2300	0.000	0.0
2305	0.000	0.0
2310	0.000	0.0
2315	0.000	0.0
2320	0.000	0.0
2325	0.000	0.0
2330	0.000	0.0
2335	0.000	0.0
2340	0.000	0.0
2345	0.000	0.0
2350	0.000	0.0
2355	0.000	0.0
2360	0.000	0.0
2365	0.000	0.0
2370	0.000	0.0
2375	0.000	0.0
2380	0.000	0.0
2385	0.000	0.0
2390	0.000	0.0
2395	0.000	0.0
2400	0.000	0.0
2405	0.000	0.0
2410	0.000	0.0
2415	0.000	0.0
2420	0.000	0.0
2425	0.000	0.0
2430	0.000	0.0
2435	0.000	0.0
2440	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2445	0.000	0.0
2450	0.000	0.0
2455	0.000	0.0
2460	0.000	0.0
2465	0.000	0.0
2470	0.000	0.0
2475	0.000	0.0
2480	0.000	0.0
2485	0.000	0.0
2490	0.000	0.0
2495	0.000	0.0
2500	0.000	0.0
2505	0.000	0.0
2510	0.000	0.0
2515	0.000	0.0
2520	0.000	0.0
2525	0.000	0.0
2530	0.000	0.0
2535	0.000	0.0
2540	0.000	0.0
2545	0.000	0.0
2550	0.000	0.0
2555	0.000	0.0
2560	0.000	0.0
2565	0.000	0.0
2570	0.000	0.0
2575	0.000	0.0
2580	0.000	0.0
2585	0.000	0.0
2590	0.000	0.0
2595	0.000	0.0
2600	0.000	0.0
2605	0.000	0.0
2610	0.000	0.0
2615	0.000	0.0
2620	0.000	0.0
2625	0.000	0.0
2630	0.000	0.0
2635	0.000	0.0
2640	0.000	0.0
2645	0.000	0.0
2650	0.000	0.0
2655	0.000	0.0
2660	0.000	0.0
2665	0.000	0.0
2670	0.000	0.0
2675	0.000	0.0
2680	0.000	0.0
2685	0.000	0.0
2690	0.000	0.0
2695	0.000	0.0
2700	0.000	0.0
2705	0.000	0.0
2710	0.000	0.0
2715	0.000	0.0
2720	0.000	0.0
2725	0.000	0.0
2730	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 2.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
2735	0.000	0.0
2740	0.000	0.0
2745	0.000	0.0
2750	0.000	0.0
2755	0.000	0.0
2760	0.000	0.0
2765	0.000	0.0
2770	0.000	0.0
2775	0.000	0.0
2780	0.000	0.0
2785	0.000	0.0
2790	0.000	0.0
2795	0.000	0.0
2800	0.000	0.0
2805	0.000	0.0
2810	0.000	0.0
2815	0.000	0.0
2820	0.000	0.0
2825	0.000	0.0
2830	0.000	0.0
2835	0.000	0.0
2840	0.000	0.0
2845	0.000	0.0
2850	0.000	0.0
2855	0.000	0.0
2860	0.000	0.0
2865	0.000	0.0
2870	0.000	0.0
2875	0.000	0.0
2880	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



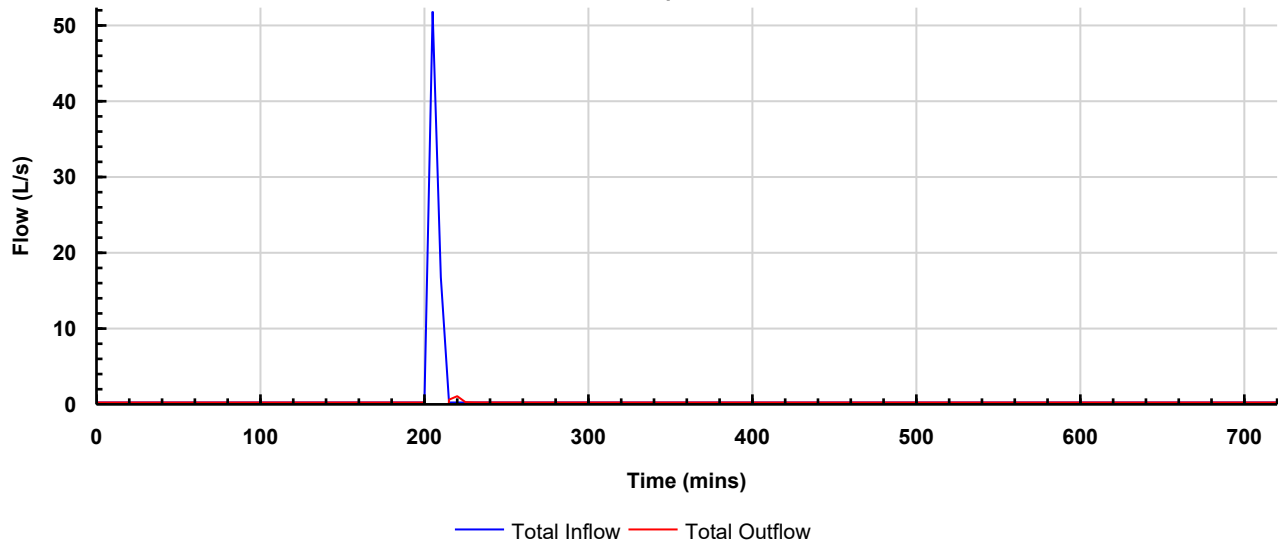
SMH-08

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 360 mins: Summer

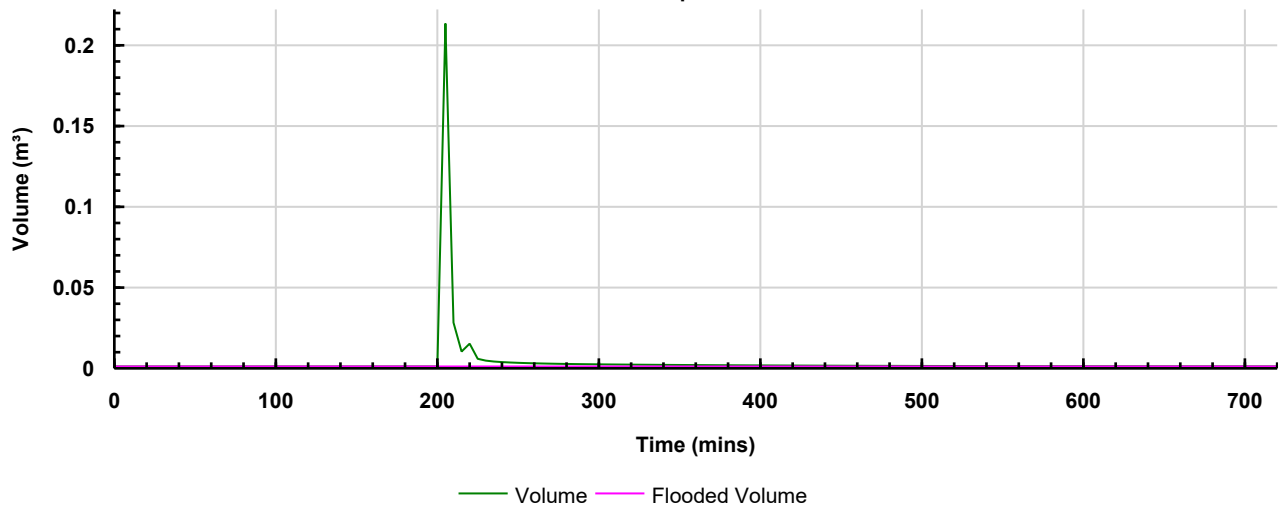
Type : Manhole

Graphs

Flow Graph

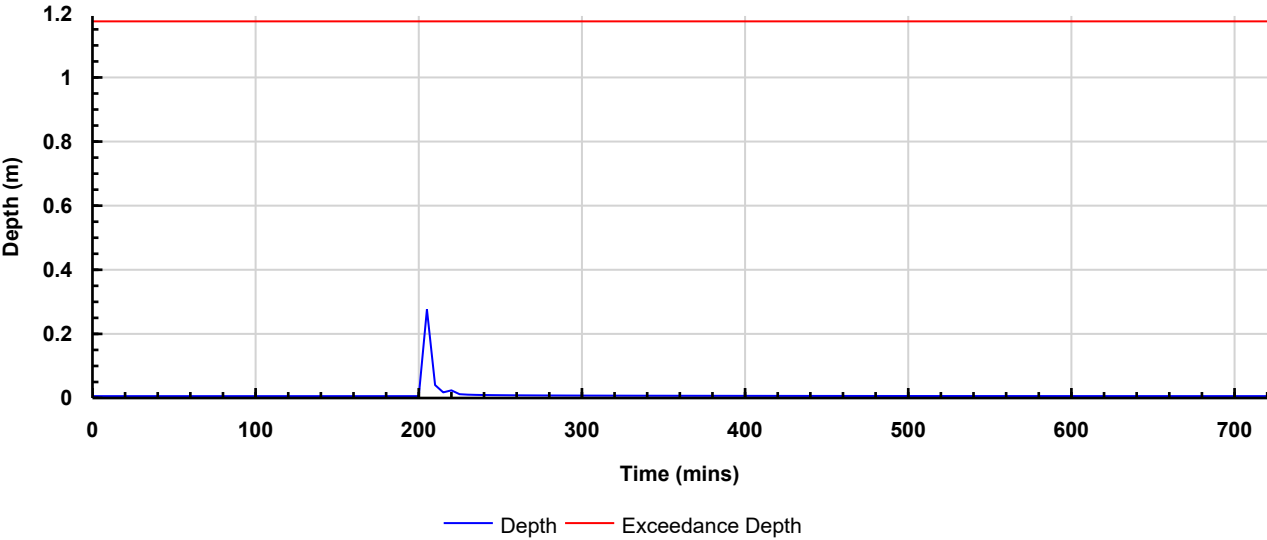


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	0.0	0.000	0.000	0.000	0.0	0.0
15	0.0	0.0	0.000	0.000	0.000	0.0	0.0
20	0.0	0.0	0.000	0.000	0.000	0.0	0.0
25	0.0	0.0	0.000	0.000	0.000	0.0	0.0
30	0.0	0.0	0.000	0.000	0.000	0.0	0.0
35	0.0	0.0	0.000	0.000	0.000	0.0	0.0
40	0.0	0.0	0.000	0.000	0.000	0.0	0.0
45	0.0	0.0	0.000	0.000	0.000	0.0	0.0
50	0.0	0.0	0.000	0.000	0.000	0.0	0.0
55	0.0	0.0	0.000	0.000	0.000	0.0	0.0
60	0.0	0.0	0.000	0.000	0.000	0.0	0.0
65	0.0	0.0	0.000	0.000	0.000	0.0	0.0
70	0.0	0.0	0.000	0.000	0.000	0.0	0.0
75	0.0	0.0	0.000	0.000	0.000	0.0	0.0
80	0.0	0.0	0.000	0.000	0.000	0.0	0.0
85	0.0	0.0	0.000	0.000	0.000	0.0	0.0
90	0.0	0.0	0.000	0.000	0.000	0.0	0.0
95	0.0	0.0	0.000	0.000	0.000	0.0	0.0
100	0.0	0.0	0.000	0.000	0.000	0.0	0.0
105	0.0	0.0	0.000	0.000	0.000	0.0	0.0
110	0.0	0.0	0.000	0.000	0.000	0.0	0.0
115	0.0	0.0	0.000	0.000	0.000	0.0	0.0
120	0.0	0.0	0.000	0.000	0.000	0.0	0.0
125	0.0	0.0	0.000	0.000	0.000	0.0	0.0
130	0.0	0.0	0.000	0.000	0.000	0.0	0.0
135	0.0	0.0	0.000	0.000	0.000	0.0	0.0
140	0.0	0.0	0.000	0.000	0.000	0.0	0.0
145	0.0	0.0	0.000	0.000	0.000	0.0	0.0
150	0.0	0.0	0.000	0.000	0.000	0.0	0.0
155	0.0	0.0	0.000	0.000	0.000	0.0	0.0
160	0.0	0.0	0.000	0.000	0.000	0.0	0.0
165	0.0	0.0	0.000	0.000	0.000	0.0	0.0
170	0.0	0.0	0.000	0.000	0.000	0.0	0.0
175	0.0	0.0	0.000	0.000	0.000	0.0	0.0
180	0.0	0.0	0.000	0.000	0.000	0.0	0.0
185	0.0	0.0	0.000	0.000	0.000	0.0	0.0
190	0.0	0.0	0.000	0.000	0.000	0.0	0.0
195	0.0	0.0	0.000	0.000	0.000	0.0	0.0
200	0.0	0.0	0.000	0.000	0.000	0.0	0.0
205	0.0	51.8	0.272	0.213	0.000	-51.8	-51.8
210	0.0	16.6	0.035	0.027	0.000	-16.5	-16.5
215	0.0	0.0	0.012	0.009	0.000	0.4	0.4
220	0.0	0.0	0.018	0.014	0.000	0.8	0.8
225	0.0	0.0	0.006	0.005	0.000	0.0	0.0
230	0.0	0.0	0.005	0.004	0.000	0.0	0.0
235	0.0	0.0	0.004	0.003	0.000	0.0	0.0
240	0.0	0.0	0.003	0.003	0.000	0.0	0.0
245	0.0	0.0	0.003	0.002	0.000	0.0	0.0
250	0.0	0.0	0.003	0.002	0.000	0.0	0.0
255	0.0	0.0	0.003	0.002	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
260	0.0	0.0	0.003	0.002	0.000	0.0	0.0
265	0.0	0.0	0.002	0.002	0.000	0.0	0.0
270	0.0	0.0	0.002	0.002	0.000	0.0	0.0
275	0.0	0.0	0.002	0.002	0.000	0.0	0.0
280	0.0	0.0	0.002	0.002	0.000	0.0	0.0
285	0.0	0.0	0.002	0.001	0.000	0.0	0.0
290	0.0	0.0	0.002	0.001	0.000	0.0	0.0
295	0.0	0.0	0.002	0.001	0.000	0.0	0.0
300	0.0	0.0	0.002	0.001	0.000	0.0	0.0
305	0.0	0.0	0.002	0.001	0.000	0.0	0.0
310	0.0	0.0	0.002	0.001	0.000	0.0	0.0
315	0.0	0.0	0.002	0.001	0.000	0.0	0.0
320	0.0	0.0	0.001	0.001	0.000	0.0	0.0
325	0.0	0.0	0.001	0.001	0.000	0.0	0.0
330	0.0	0.0	0.001	0.001	0.000	0.0	0.0
335	0.0	0.0	0.001	0.001	0.000	0.0	0.0
340	0.0	0.0	0.001	0.001	0.000	0.0	0.0
345	0.0	0.0	0.001	0.001	0.000	0.0	0.0
350	0.0	0.0	0.001	0.001	0.000	0.0	0.0
355	0.0	0.0	0.001	0.001	0.000	0.0	0.0
360	0.0	0.0	0.001	0.001	0.000	0.0	0.0
365	0.0	0.0	0.001	0.001	0.000	0.0	0.0
370	0.0	0.0	0.001	0.001	0.000	0.0	0.0
375	0.0	0.0	0.001	0.001	0.000	0.0	0.0
380	0.0	0.0	0.001	0.001	0.000	0.0	0.0
385	0.0	0.0	0.001	0.001	0.000	0.0	0.0
390	0.0	0.0	0.001	0.001	0.000	0.0	0.0
395	0.0	0.0	0.001	0.001	0.000	0.0	0.0
400	0.0	0.0	0.001	0.001	0.000	0.0	0.0
405	0.0	0.0	0.001	0.001	0.000	0.0	0.0
410	0.0	0.0	0.001	0.001	0.000	0.0	0.0
415	0.0	0.0	0.001	0.001	0.000	0.0	0.0
420	0.0	0.0	0.001	0.001	0.000	0.0	0.0
425	0.0	0.0	0.001	0.001	0.000	0.0	0.0
430	0.0	0.0	0.001	0.001	0.000	0.0	0.0
435	0.0	0.0	0.001	0.001	0.000	0.0	0.0
440	0.0	0.0	0.001	0.000	0.000	0.0	0.0
445	0.0	0.0	0.001	0.000	0.000	0.0	0.0
450	0.0	0.0	0.001	0.000	0.000	0.0	0.0
455	0.0	0.0	0.001	0.000	0.000	0.0	0.0
460	0.0	0.0	0.001	0.000	0.000	0.0	0.0
465	0.0	0.0	0.001	0.000	0.000	0.0	0.0
470	0.0	0.0	0.001	0.000	0.000	0.0	0.0
475	0.0	0.0	0.000	0.000	0.000	0.0	0.0
480	0.0	0.0	0.000	0.000	0.000	0.0	0.0
485	0.0	0.0	0.000	0.000	0.000	0.0	0.0
490	0.0	0.0	0.000	0.000	0.000	0.0	0.0
495	0.0	0.0	0.000	0.000	0.000	0.0	0.0
500	0.0	0.0	0.000	0.000	0.000	0.0	0.0
505	0.0	0.0	0.000	0.000	0.000	0.0	0.0
510	0.0	0.0	0.000	0.000	0.000	0.0	0.0
515	0.0	0.0	0.000	0.000	0.000	0.0	0.0
520	0.0	0.0	0.000	0.000	0.000	0.0	0.0
525	0.0	0.0	0.000	0.000	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
530	0.0	0.0	0.000	0.000	0.000	0.0	0.0
535	0.0	0.0	0.000	0.000	0.000	0.0	0.0
540	0.0	0.0	0.000	0.000	0.000	0.0	0.0
545	0.0	0.0	0.000	0.000	0.000	0.0	0.0
550	0.0	0.0	0.000	0.000	0.000	0.0	0.0
555	0.0	0.0	0.000	0.000	0.000	0.0	0.0
560	0.0	0.0	0.000	0.000	0.000	0.0	0.0
565	0.0	0.0	0.000	0.000	0.000	0.0	0.0
570	0.0	0.0	0.000	0.000	0.000	0.0	0.0
575	0.0	0.0	0.000	0.000	0.000	0.0	0.0
580	0.0	0.0	0.000	0.000	0.000	0.0	0.0
585	0.0	0.0	0.000	0.000	0.000	0.0	0.0
590	0.0	0.0	0.000	0.000	0.000	0.0	0.0
595	0.0	0.0	0.000	0.000	0.000	0.0	0.0
600	0.0	0.0	0.000	0.000	0.000	0.0	0.0
605	0.0	0.0	0.000	0.000	0.000	0.0	0.0
610	0.0	0.0	0.000	0.000	0.000	0.0	0.0
615	0.0	0.0	0.000	0.000	0.000	0.0	0.0
620	0.0	0.0	0.000	0.000	0.000	0.0	0.0
625	0.0	0.0	0.000	0.000	0.000	0.0	0.0
630	0.0	0.0	0.000	0.000	0.000	0.0	0.0
635	0.0	0.0	0.000	0.000	0.000	0.0	0.0
640	0.0	0.0	0.000	0.000	0.000	0.0	0.0
645	0.0	0.0	0.000	0.000	0.000	0.0	0.0
650	0.0	0.0	0.000	0.000	0.000	0.0	0.0
655	0.0	0.0	0.000	0.000	0.000	0.0	0.0
660	0.0	0.0	0.000	0.000	0.000	0.0	0.0
665	0.0	0.0	0.000	0.000	0.000	0.0	0.0
670	0.0	0.0	0.000	0.000	0.000	0.0	0.0
675	0.0	0.0	0.000	0.000	0.000	0.0	0.0
680	0.0	0.0	0.000	0.000	0.000	0.0	0.0
685	0.0	0.0	0.000	0.000	0.000	0.0	0.0
690	0.0	0.0	0.000	0.000	0.000	0.0	0.0
695	0.0	0.0	0.000	0.000	0.000	0.0	0.0
700	0.0	0.0	0.000	0.000	0.000	0.0	0.0
705	0.0	0.0	0.000	0.000	0.000	0.0	0.0
710	0.0	0.0	0.000	0.000	0.000	0.0	0.0
715	0.0	0.0	0.000	0.000	0.000	0.0	0.0
720	0.0	0.0	0.000	0.000	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



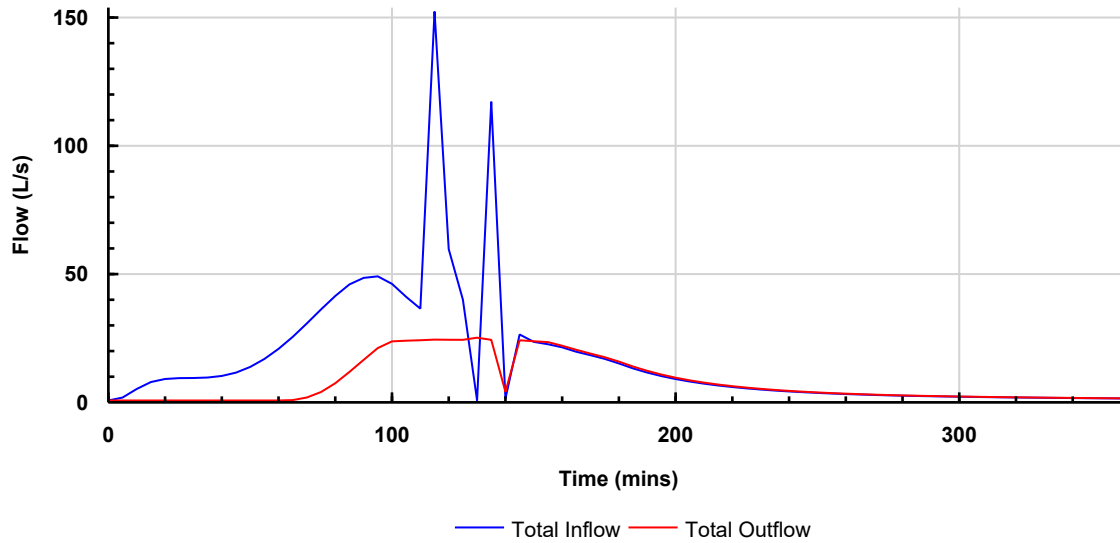
SMH-06

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Winter

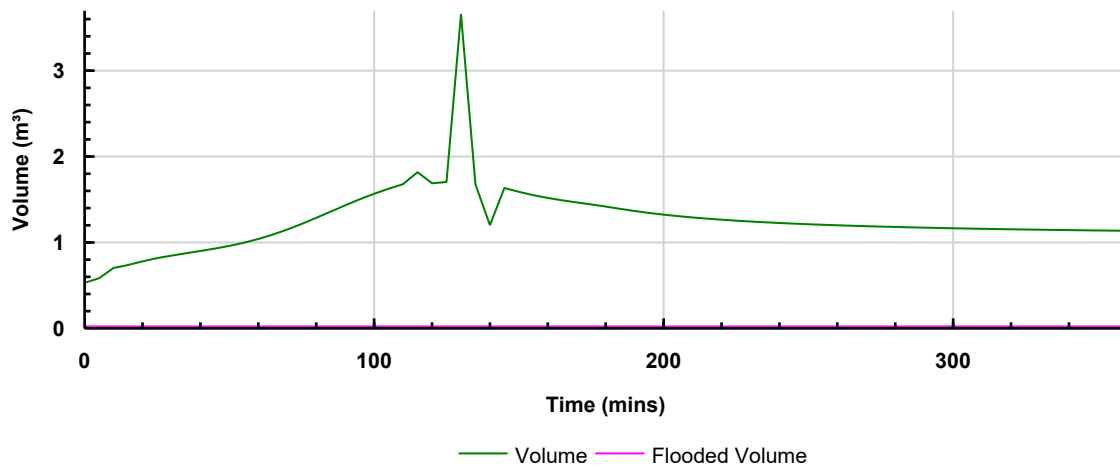
Type : Manhole

Graphs

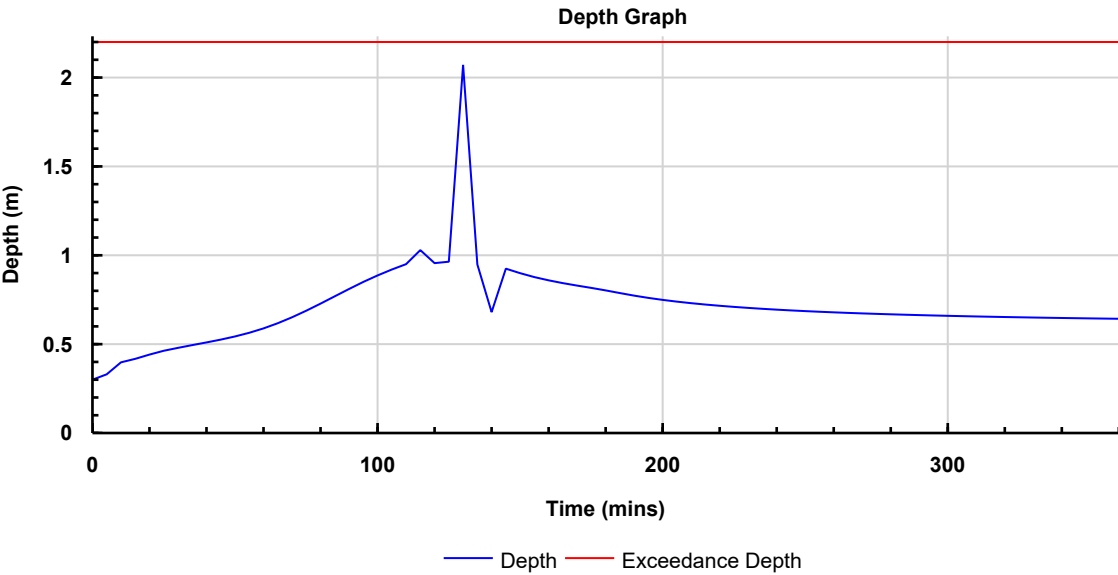
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	1.1	1.1	1.1	0.330	0.584	0.000	0.0
10	0.6	0.6	4.5	0.398	0.703	0.000	0.0
15	0.5	0.5	7.2	0.417	0.737	0.000	0.0
20	0.6	0.6	8.4	0.441	0.780	0.000	0.0
25	0.3	0.3	8.8	0.463	0.818	0.000	0.0
30	0.4	0.4	8.8	0.479	0.847	0.000	0.0
35	0.4	0.4	9.0	0.495	0.874	0.000	0.0
40	0.4	0.4	9.6	0.510	0.901	0.000	0.0
45	0.4	0.4	10.9	0.526	0.929	0.000	0.0
50	0.5	0.5	13.1	0.543	0.960	0.000	0.0
55	0.6	0.6	16.2	0.564	0.997	0.000	0.0
60	0.7	0.7	20.2	0.589	1.040	0.000	0.0
65	1.3	1.3	24.9	0.618	1.092	0.000	0.2
70	2.6	2.6	30.2	0.651	1.151	0.000	1.2
75	5.1	5.1	35.7	0.688	1.216	0.000	3.3
80	8.8	8.8	40.9	0.728	1.286	0.000	6.7
85	13.3	13.3	45.5	0.769	1.359	0.000	11.2
90	17.7	17.7	48.0	0.810	1.432	0.000	15.9
95	22.3	22.3	48.6	0.850	1.502	0.000	20.5
100	24.5	24.5	45.7	0.887	1.567	0.000	23.1
105	24.4	24.4	40.6	0.920	1.625	0.000	23.4
110	24.4	24.4	36.0	0.950	1.679	0.000	23.6
115	135.6	135.6	152.3	1.029	1.818	0.000	23.8
120	13.8	13.8	59.3	0.956	1.689	0.000	23.8
125	21.4	21.4	39.5	0.964	1.703	0.000	23.8
130	-69.1	-69.1	0.0	2.071	3.660	0.000	24.6
135	28.7	28.7	117.0	0.948	1.676	0.000	23.8
140	-58.2	-58.2	0.8	0.680	1.202	0.000	3.4
145	12.3	12.3	25.8	0.925	1.634	0.000	23.6
150	23.0	23.0	23.0	0.899	1.589	0.000	23.2
155	22.0	22.0	22.0	0.877	1.550	0.000	22.9
160	20.8	20.8	20.8	0.859	1.518	0.000	21.4
165	19.1	19.1	19.1	0.843	1.490	0.000	19.8
170	17.7	17.7	17.7	0.829	1.466	0.000	18.3
175	16.3	16.3	16.3	0.816	1.443	0.000	16.9
180	14.5	14.5	14.5	0.802	1.418	0.000	15.2
185	12.6	12.6	12.6	0.787	1.391	0.000	13.3
190	10.9	10.9	10.9	0.773	1.366	0.000	11.6
195	9.6	9.6	9.6	0.760	1.343	0.000	10.1
200	8.4	8.4	8.4	0.749	1.324	0.000	8.9
205	7.4	7.4	7.4	0.739	1.306	0.000	7.9
210	6.6	6.6	6.6	0.731	1.291	0.000	7.0
215	5.9	5.9	5.9	0.723	1.277	0.000	6.2
220	5.3	5.3	5.3	0.716	1.265	0.000	5.6
225	4.7	4.7	4.7	0.710	1.254	0.000	5.0
230	4.3	4.3	4.3	0.704	1.244	0.000	4.6
235	3.9	3.9	3.9	0.699	1.235	0.000	4.1
240	3.5	3.5	3.5	0.694	1.227	0.000	3.8
245	3.2	3.2	3.2	0.690	1.219	0.000	3.4
250	3.0	3.0	3.0	0.686	1.212	0.000	3.1
255	2.7	2.7	2.7	0.682	1.206	0.000	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	0.0
60	0.0
65	0.2
70	1.2
75	3.3
80	6.7
85	11.2
90	15.9
95	20.5
100	23.1
105	23.4
110	23.6
115	23.8
120	23.8
125	23.8
130	24.6
135	23.8
140	3.4
145	23.6
150	23.2
155	22.9
160	21.4
165	19.8
170	18.3
175	16.9
180	15.2
185	13.3
190	11.6
195	10.1
200	8.9
205	7.9
210	7.0
215	6.2
220	5.6
225	5.0
230	4.6
235	4.1
240	3.8
245	3.4
250	3.1
255	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
260	2.5	2.5	2.5	0.679	1.200	0.000	2.7
265	2.3	2.3	2.3	0.676	1.194	0.000	2.5
270	2.2	2.2	2.2	0.673	1.189	0.000	2.3
275	2.0	2.0	2.0	0.670	1.185	0.000	2.1
280	1.9	1.9	1.9	0.668	1.180	0.000	2.0
285	1.8	1.8	1.8	0.666	1.176	0.000	1.9
290	1.7	1.7	1.7	0.663	1.172	0.000	1.8
295	1.6	1.6	1.6	0.661	1.169	0.000	1.7
300	1.5	1.5	1.5	0.659	1.165	0.000	1.6
305	1.4	1.4	1.4	0.658	1.162	0.000	1.5
310	1.3	1.3	1.3	0.656	1.159	0.000	1.4
315	1.2	1.2	1.2	0.654	1.156	0.000	1.3
320	1.2	1.2	1.2	0.653	1.153	0.000	1.2
325	1.1	1.1	1.1	0.651	1.151	0.000	1.2
330	1.1	1.1	1.1	0.650	1.148	0.000	1.1
335	1.0	1.0	1.0	0.648	1.146	0.000	1.1
340	0.9	0.9	0.9	0.647	1.144	0.000	1.0
345	0.9	0.9	0.9	0.646	1.142	0.000	0.9
350	0.9	0.9	0.9	0.645	1.140	0.000	0.9
355	0.8	0.8	0.8	0.644	1.138	0.000	0.9
360	0.8	0.8	0.8	0.643	1.136	0.000	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
260	2.7
265	2.5
270	2.3
275	2.1
280	2.0
285	1.9
290	1.8
295	1.7
300	1.6
305	1.5
310	1.4
315	1.3
320	1.2
325	1.2
330	1.1
335	1.1
340	1.0
345	0.9
350	0.9
355	0.9
360	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 3.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		

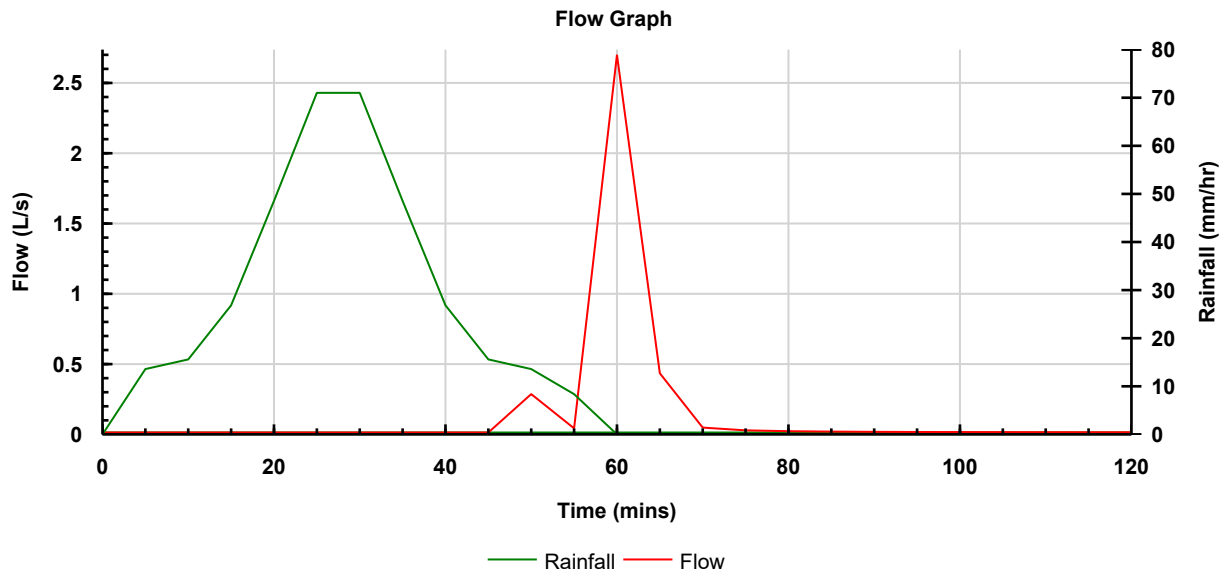


Pipe 3.01

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 60 mins: Winter

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.000	0.0
25	0.005	0.0
30	0.052	0.0
35	0.104	0.0
40	0.149	0.0
45	0.179	0.0
50	0.195	0.3
55	0.195	0.0
60	0.177	2.7
65	0.175	0.4
70	0.154	0.0
75	0.137	0.0
80	0.123	0.0
85	0.111	0.0
90	0.101	0.0
95	0.092	0.0
100	0.085	0.0
105	0.079	0.0
110	0.073	0.0
115	0.069	0.0
120	0.065	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



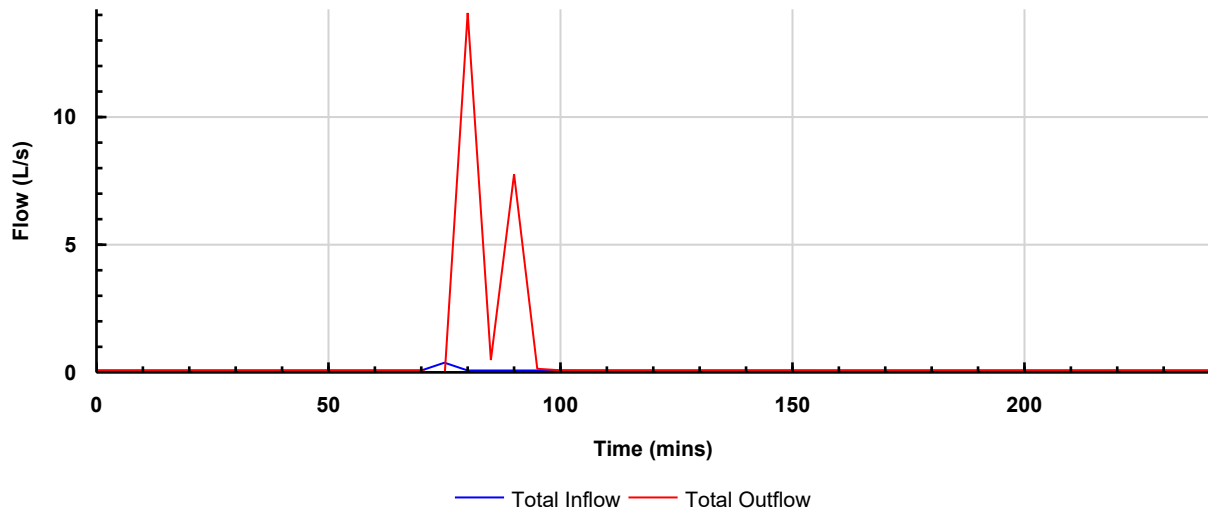
SMH-07

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

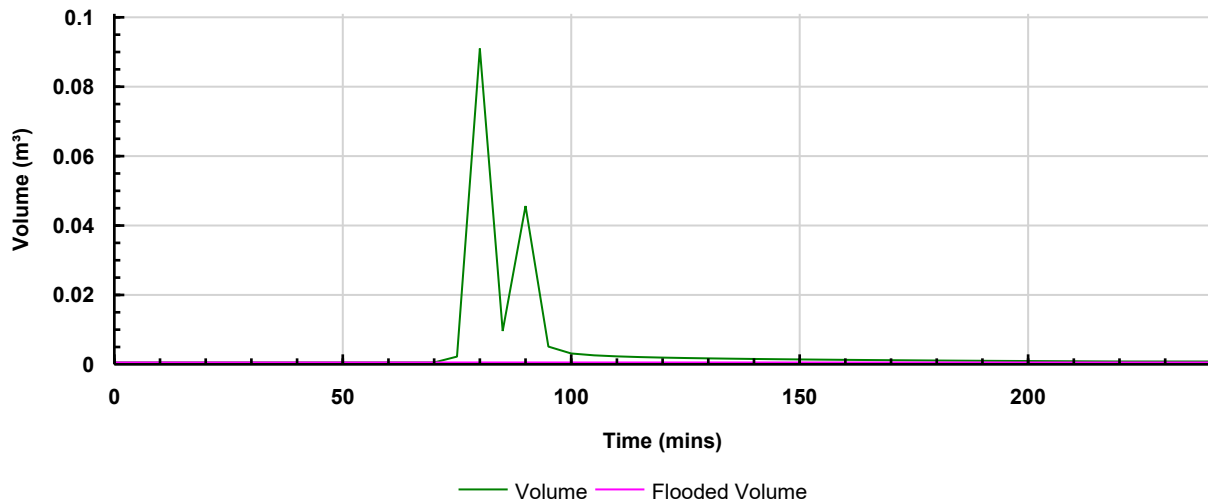
Type : Manhole

Graphs

Flow Graph

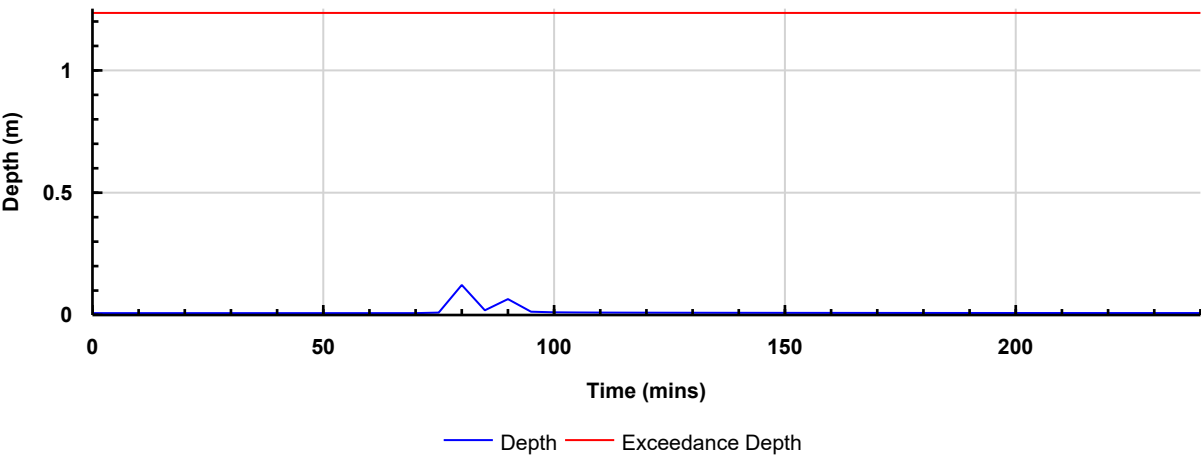


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	0.0	0.000	0.000	0.000	0.0	0.0
15	0.0	0.0	0.000	0.000	0.000	0.0	0.0
20	0.0	0.0	0.000	0.000	0.000	0.0	0.0
25	0.0	0.0	0.000	0.000	0.000	0.0	0.0
30	0.0	0.0	0.000	0.000	0.000	0.0	0.0
35	0.0	0.0	0.000	0.000	0.000	0.0	0.0
40	0.0	0.0	0.000	0.000	0.000	0.0	0.0
45	0.0	0.0	0.000	0.000	0.000	0.0	0.0
50	0.0	0.0	0.000	0.000	0.000	0.0	0.0
55	0.0	0.0	0.000	0.000	0.000	0.0	0.0
60	0.0	0.0	0.000	0.000	0.000	0.0	0.0
65	0.0	0.0	0.000	0.000	0.000	0.0	0.0
70	0.0	0.0	0.000	0.000	0.000	0.0	0.0
75	0.0	0.3	0.002	0.002	0.000	-0.3	-0.3
80	0.0	0.0	0.116	0.091	0.000	14.1	14.1
85	0.0	0.0	0.012	0.009	0.000	0.4	0.4
90	0.0	0.0	0.058	0.045	0.000	7.7	7.7
95	0.0	0.0	0.006	0.005	0.000	0.1	0.1
100	0.0	0.0	0.003	0.003	0.000	0.0	0.0
105	0.0	0.0	0.003	0.002	0.000	0.0	0.0
110	0.0	0.0	0.002	0.002	0.000	0.0	0.0
115	0.0	0.0	0.002	0.002	0.000	0.0	0.0
120	0.0	0.0	0.002	0.001	0.000	0.0	0.0
125	0.0	0.0	0.002	0.001	0.000	0.0	0.0
130	0.0	0.0	0.002	0.001	0.000	0.0	0.0
135	0.0	0.0	0.001	0.001	0.000	0.0	0.0
140	0.0	0.0	0.001	0.001	0.000	0.0	0.0
145	0.0	0.0	0.001	0.001	0.000	0.0	0.0
150	0.0	0.0	0.001	0.001	0.000	0.0	0.0
155	0.0	0.0	0.001	0.001	0.000	0.0	0.0
160	0.0	0.0	0.001	0.001	0.000	0.0	0.0
165	0.0	0.0	0.001	0.001	0.000	0.0	0.0
170	0.0	0.0	0.001	0.001	0.000	0.0	0.0
175	0.0	0.0	0.001	0.001	0.000	0.0	0.0
180	0.0	0.0	0.001	0.001	0.000	0.0	0.0
185	0.0	0.0	0.001	0.001	0.000	0.0	0.0
190	0.0	0.0	0.001	0.000	0.000	0.0	0.0
195	0.0	0.0	0.001	0.000	0.000	0.0	0.0
200	0.0	0.0	0.001	0.000	0.000	0.0	0.0
205	0.0	0.0	0.000	0.000	0.000	0.0	0.0
210	0.0	0.0	0.000	0.000	0.000	0.0	0.0
215	0.0	0.0	0.000	0.000	0.000	0.0	0.0
220	0.0	0.0	0.000	0.000	0.000	0.0	0.0
225	0.0	0.0	0.000	0.000	0.000	0.0	0.0
230	0.0	0.0	0.000	0.000	0.000	0.0	0.0
235	0.0	0.0	0.000	0.000	0.000	0.0	0.0
240	0.0	0.0	0.000	0.000	0.000	0.0	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



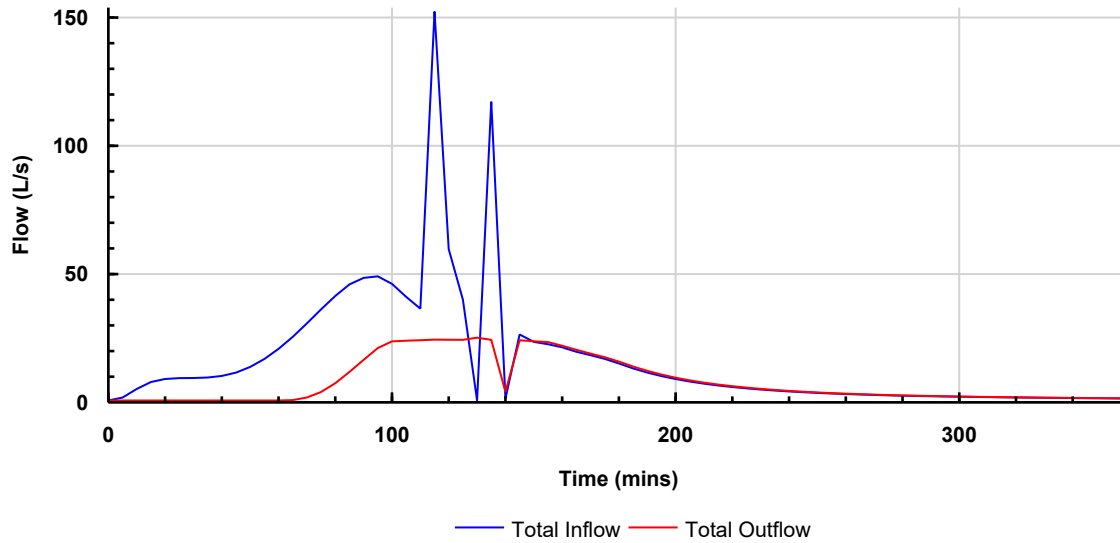
SMH-06

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Winter

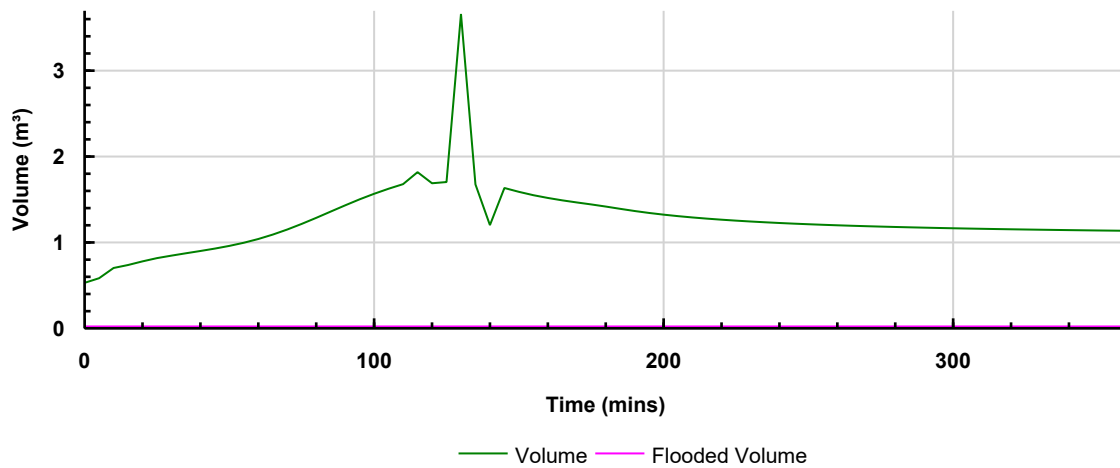
Type : Manhole

Graphs

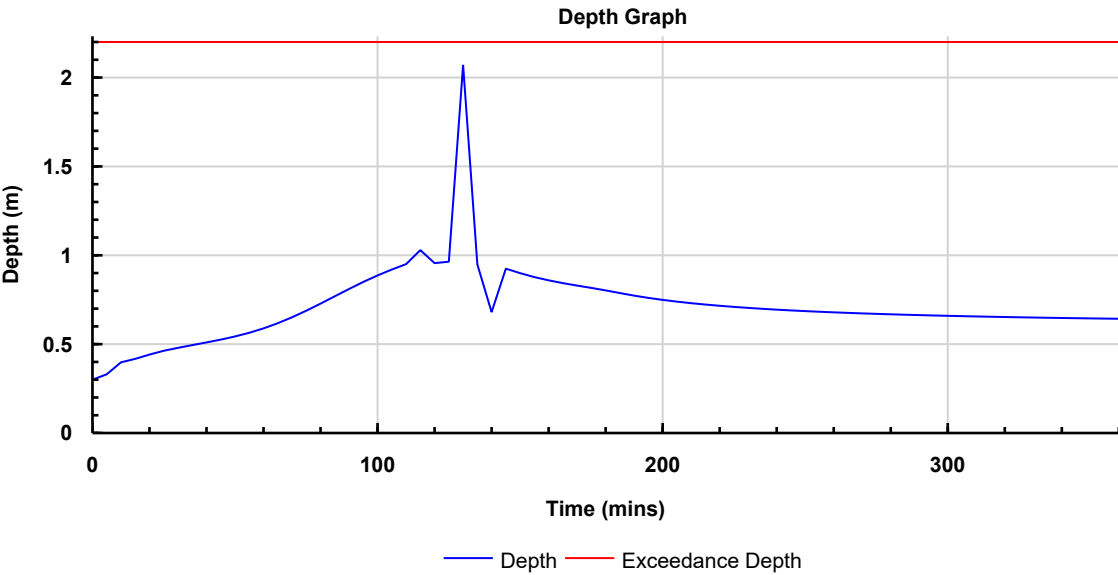
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	1.1	1.1	1.1	0.330	0.584	0.000	0.0
10	0.6	0.6	4.5	0.398	0.703	0.000	0.0
15	0.5	0.5	7.2	0.417	0.737	0.000	0.0
20	0.6	0.6	8.4	0.441	0.780	0.000	0.0
25	0.3	0.3	8.8	0.463	0.818	0.000	0.0
30	0.4	0.4	8.8	0.479	0.847	0.000	0.0
35	0.4	0.4	9.0	0.495	0.874	0.000	0.0
40	0.4	0.4	9.6	0.510	0.901	0.000	0.0
45	0.4	0.4	10.9	0.526	0.929	0.000	0.0
50	0.5	0.5	13.1	0.543	0.960	0.000	0.0
55	0.6	0.6	16.2	0.564	0.997	0.000	0.0
60	0.7	0.7	20.2	0.589	1.040	0.000	0.0
65	1.3	1.3	24.9	0.618	1.092	0.000	0.2
70	2.6	2.6	30.2	0.651	1.151	0.000	1.2
75	5.1	5.1	35.7	0.688	1.216	0.000	3.3
80	8.8	8.8	40.9	0.728	1.286	0.000	6.7
85	13.3	13.3	45.5	0.769	1.359	0.000	11.2
90	17.7	17.7	48.0	0.810	1.432	0.000	15.9
95	22.3	22.3	48.6	0.850	1.502	0.000	20.5
100	24.5	24.5	45.7	0.887	1.567	0.000	23.1
105	24.4	24.4	40.6	0.920	1.625	0.000	23.4
110	24.4	24.4	36.0	0.950	1.679	0.000	23.6
115	135.6	135.6	152.3	1.029	1.818	0.000	23.8
120	13.8	13.8	59.3	0.956	1.689	0.000	23.8
125	21.4	21.4	39.5	0.964	1.703	0.000	23.8
130	-69.1	-69.1	0.0	2.071	3.660	0.000	24.6
135	28.7	28.7	117.0	0.948	1.676	0.000	23.8
140	-58.2	-58.2	0.8	0.680	1.202	0.000	3.4
145	12.3	12.3	25.8	0.925	1.634	0.000	23.6
150	23.0	23.0	23.0	0.899	1.589	0.000	23.2
155	22.0	22.0	22.0	0.877	1.550	0.000	22.9
160	20.8	20.8	20.8	0.859	1.518	0.000	21.4
165	19.1	19.1	19.1	0.843	1.490	0.000	19.8
170	17.7	17.7	17.7	0.829	1.466	0.000	18.3
175	16.3	16.3	16.3	0.816	1.443	0.000	16.9
180	14.5	14.5	14.5	0.802	1.418	0.000	15.2
185	12.6	12.6	12.6	0.787	1.391	0.000	13.3
190	10.9	10.9	10.9	0.773	1.366	0.000	11.6
195	9.6	9.6	9.6	0.760	1.343	0.000	10.1
200	8.4	8.4	8.4	0.749	1.324	0.000	8.9
205	7.4	7.4	7.4	0.739	1.306	0.000	7.9
210	6.6	6.6	6.6	0.731	1.291	0.000	7.0
215	5.9	5.9	5.9	0.723	1.277	0.000	6.2
220	5.3	5.3	5.3	0.716	1.265	0.000	5.6
225	4.7	4.7	4.7	0.710	1.254	0.000	5.0
230	4.3	4.3	4.3	0.704	1.244	0.000	4.6
235	3.9	3.9	3.9	0.699	1.235	0.000	4.1
240	3.5	3.5	3.5	0.694	1.227	0.000	3.8
245	3.2	3.2	3.2	0.690	1.219	0.000	3.4
250	3.0	3.0	3.0	0.686	1.212	0.000	3.1
255	2.7	2.7	2.7	0.682	1.206	0.000	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	0.0
60	0.0
65	0.2
70	1.2
75	3.3
80	6.7
85	11.2
90	15.9
95	20.5
100	23.1
105	23.4
110	23.6
115	23.8
120	23.8
125	23.8
130	24.6
135	23.8
140	3.4
145	23.6
150	23.2
155	22.9
160	21.4
165	19.8
170	18.3
175	16.9
180	15.2
185	13.3
190	11.6
195	10.1
200	8.9
205	7.9
210	7.0
215	6.2
220	5.6
225	5.0
230	4.6
235	4.1
240	3.8
245	3.4
250	3.1
255	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
260	2.5	2.5	2.5	0.679	1.200	0.000	2.7
265	2.3	2.3	2.3	0.676	1.194	0.000	2.5
270	2.2	2.2	2.2	0.673	1.189	0.000	2.3
275	2.0	2.0	2.0	0.670	1.185	0.000	2.1
280	1.9	1.9	1.9	0.668	1.180	0.000	2.0
285	1.8	1.8	1.8	0.666	1.176	0.000	1.9
290	1.7	1.7	1.7	0.663	1.172	0.000	1.8
295	1.6	1.6	1.6	0.661	1.169	0.000	1.7
300	1.5	1.5	1.5	0.659	1.165	0.000	1.6
305	1.4	1.4	1.4	0.658	1.162	0.000	1.5
310	1.3	1.3	1.3	0.656	1.159	0.000	1.4
315	1.2	1.2	1.2	0.654	1.156	0.000	1.3
320	1.2	1.2	1.2	0.653	1.153	0.000	1.2
325	1.1	1.1	1.1	0.651	1.151	0.000	1.2
330	1.1	1.1	1.1	0.650	1.148	0.000	1.1
335	1.0	1.0	1.0	0.648	1.146	0.000	1.1
340	0.9	0.9	0.9	0.647	1.144	0.000	1.0
345	0.9	0.9	0.9	0.646	1.142	0.000	0.9
350	0.9	0.9	0.9	0.645	1.140	0.000	0.9
355	0.8	0.8	0.8	0.644	1.138	0.000	0.9
360	0.8	0.8	0.8	0.643	1.136	0.000	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0			Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	

Time (mins)	Total Outflow (L/s)
260	2.7
265	2.5
270	2.3
275	2.1
280	2.0
285	1.9
290	1.8
295	1.7
300	1.6
305	1.5
310	1.4
315	1.3
320	1.2
325	1.2
330	1.1
335	1.1
340	1.0
345	0.9
350	0.9
355	0.9
360	0.8

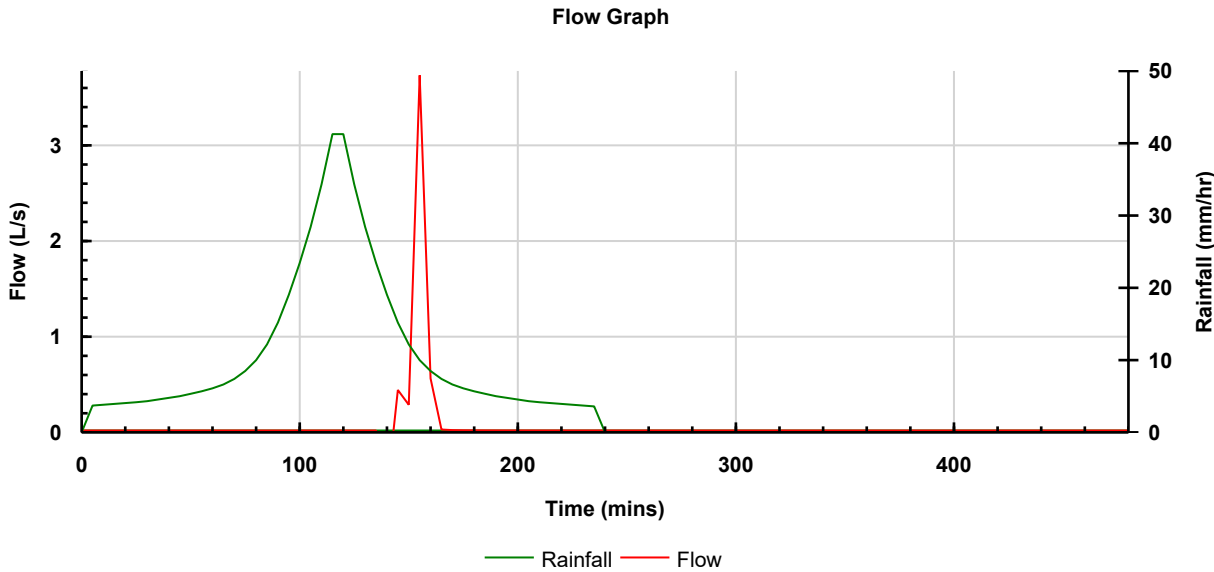
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Pipe 4.01
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 240 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.000	0.0
10	0.000	0.0
15	0.000	0.0
20	0.000	0.0
25	0.000	0.0
30	0.000	0.0
35	0.000	0.0
40	0.000	0.0
45	0.000	0.0
50	0.000	0.0
55	0.000	0.0
60	0.000	0.0
65	0.000	0.0
70	0.000	0.0
75	0.000	0.0
80	0.000	0.0
85	0.000	0.0
90	0.000	0.0
95	0.000	0.0
100	0.000	0.0
105	0.014	0.0
110	0.032	0.0
115	0.052	0.0
120	0.076	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025	
		Designed by: MDJ	Checked by:
		Approved By: 	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF	



Time (mins)	Depth (m)	Flow (L/s)
125	0.102	0.0
130	0.127	0.0
135	0.150	0.0
140	0.167	-0.6
145	0.166	0.4
150	0.167	0.3
155	0.148	3.7
160	0.117	0.5
165	0.126	0.0
170	0.116	0.0
175	0.106	0.0
180	0.097	0.0
185	0.088	0.0
190	0.080	0.0
195	0.074	0.0
200	0.067	0.0
205	0.062	0.0
210	0.057	0.0
215	0.053	0.0
220	0.050	0.0
225	0.046	0.0
230	0.043	0.0
235	0.041	0.0
240	0.038	0.0
245	0.035	0.0
250	0.031	0.0
255	0.027	0.0
260	0.023	0.0
265	0.020	0.0
270	0.017	0.0
275	0.014	0.0
280	0.011	0.0
285	0.009	0.0
290	0.007	0.0
295	0.005	0.0
300	0.003	0.0
305	0.002	0.0
310	0.000	0.0
315	0.000	0.0
320	0.000	0.0
325	0.000	0.0
330	0.000	0.0
335	0.000	0.0
340	0.000	0.0
345	0.000	0.0
350	0.000	0.0
355	0.000	0.0
360	0.000	0.0
365	0.000	0.0
370	0.000	0.0
375	0.000	0.0
380	0.000	0.0
385	0.000	0.0
390	0.000	0.0
395	0.000	0.0
400	0.000	0.0
405	0.000	0.0
410	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path 4.0		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Depth (m)	Flow (L/s)
415	0.000	0.0
420	0.000	0.0
425	0.000	0.0
430	0.000	0.0
435	0.000	0.0
440	0.000	0.0
445	0.000	0.0
450	0.000	0.0
455	0.000	0.0
460	0.000	0.0
465	0.000	0.0
470	0.000	0.0
475	0.000	0.0
480	0.000	0.0

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		

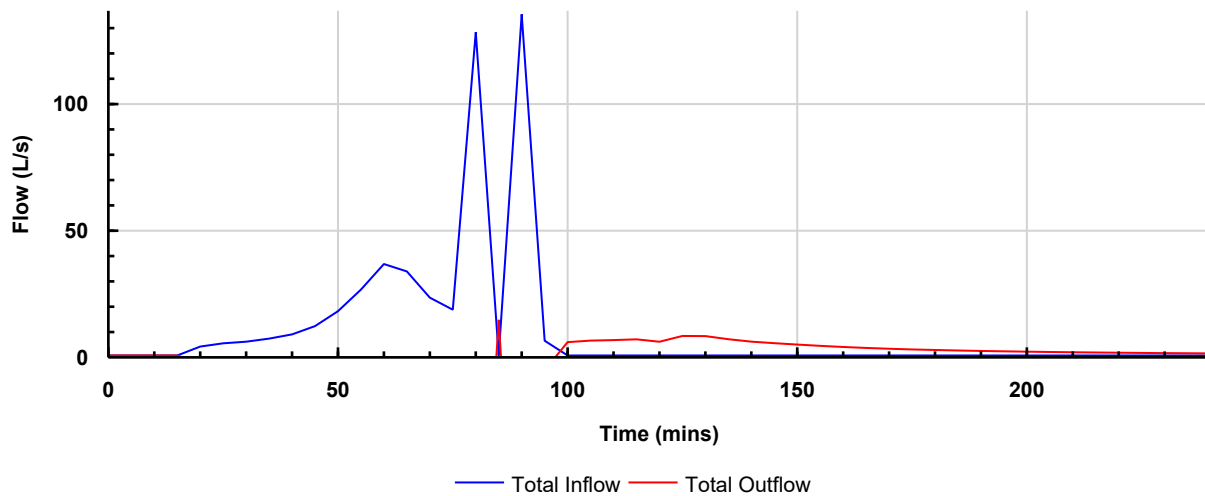


Manhole Att Tank
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

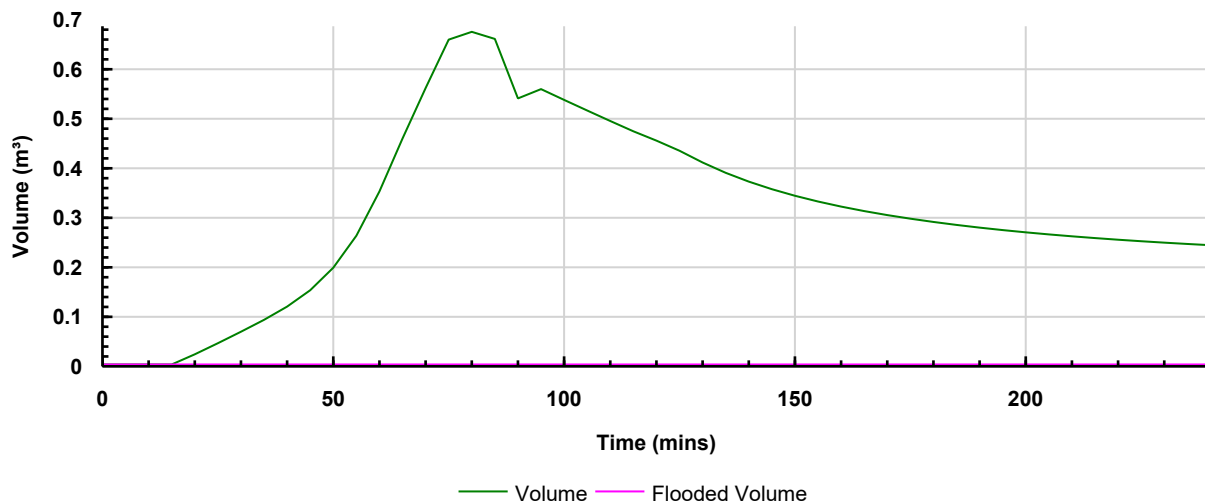
Type : Manhole

Graphs

Flow Graph

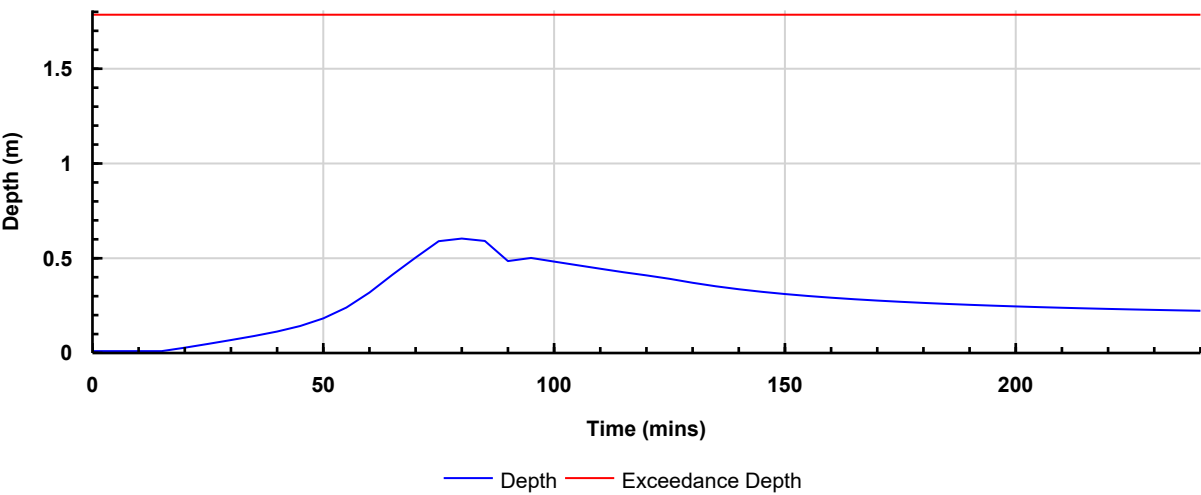


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)	Total Outflow (L/s)
0	0.0	0.0	0.000	0.000	0.000	0.0	0.0
5	0.0	0.0	0.000	0.000	0.000	0.0	0.0
10	0.0	0.0	0.000	0.000	0.000	0.0	0.0
15	0.0	0.0	0.000	0.000	0.000	0.0	0.0
20	0.0	3.5	0.018	0.021	0.000	-3.5	-3.5
25	0.0	4.8	0.038	0.043	0.000	-4.8	-4.8
30	0.0	5.5	0.059	0.066	0.000	-5.5	-5.5
35	0.0	6.7	0.080	0.091	0.000	-6.7	-6.7
40	0.0	8.4	0.104	0.118	0.000	-8.4	-8.4
45	0.0	11.7	0.133	0.151	0.000	-11.7	-11.7
50	0.0	17.6	0.174	0.196	0.000	-17.6	-17.6
55	0.0	26.2	0.231	0.261	0.000	-26.2	-26.2
60	0.0	36.3	0.311	0.351	0.000	-36.3	-36.3
65	0.0	33.4	0.406	0.459	0.000	-33.4	-33.4
70	0.0	23.0	0.496	0.561	0.000	-23.0	-23.0
75	0.0	18.2	0.583	0.660	0.000	-18.2	-18.2
80	0.0	128.3	0.597	0.676	0.000	-128.3	-128.3
85	0.0	0.0	0.585	0.661	0.000	14.2	14.2
90	0.0	135.4	0.478	0.540	0.000	-135.4	-135.4
95	0.0	5.9	0.494	0.559	0.000	-5.9	-5.9
100	0.0	0.0	0.475	0.537	0.000	5.3	5.3
105	0.0	0.0	0.456	0.516	0.000	5.9	5.9
110	0.0	0.0	0.437	0.494	0.000	6.1	6.1
115	0.0	0.0	0.419	0.474	0.000	6.4	6.4
120	0.0	0.0	0.402	0.455	0.000	5.5	5.5
125	0.0	0.0	0.384	0.434	0.000	7.7	7.7
130	0.0	0.0	0.363	0.410	0.000	7.7	7.7
135	0.0	0.0	0.344	0.389	0.000	6.5	6.5
140	0.0	0.0	0.328	0.371	0.000	5.5	5.5
145	0.0	0.0	0.315	0.356	0.000	4.9	4.9
150	0.0	0.0	0.303	0.343	0.000	4.3	4.3
155	0.0	0.0	0.293	0.331	0.000	3.8	3.8
160	0.0	0.0	0.283	0.321	0.000	3.4	3.4
165	0.0	0.0	0.275	0.311	0.000	3.0	3.0
170	0.0	0.0	0.268	0.303	0.000	2.7	2.7
175	0.0	0.0	0.262	0.296	0.000	2.4	2.4
180	0.0	0.0	0.256	0.289	0.000	2.2	2.2
185	0.0	0.0	0.251	0.283	0.000	2.0	2.0
190	0.0	0.0	0.246	0.278	0.000	1.8	1.8
195	0.0	0.0	0.241	0.273	0.000	1.7	1.7
200	0.0	0.0	0.237	0.268	0.000	1.5	1.5
205	0.0	0.0	0.234	0.264	0.000	1.4	1.4
210	0.0	0.0	0.230	0.260	0.000	1.3	1.3
215	0.0	0.0	0.227	0.257	0.000	1.2	1.2
220	0.0	0.0	0.224	0.253	0.000	1.1	1.1
225	0.0	0.0	0.221	0.250	0.000	1.0	1.0
230	0.0	0.0	0.219	0.247	0.000	0.9	0.9
235	0.0	0.0	0.216	0.245	0.000	0.9	0.9
240	0.0	0.0	0.214	0.242	0.000	0.8	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



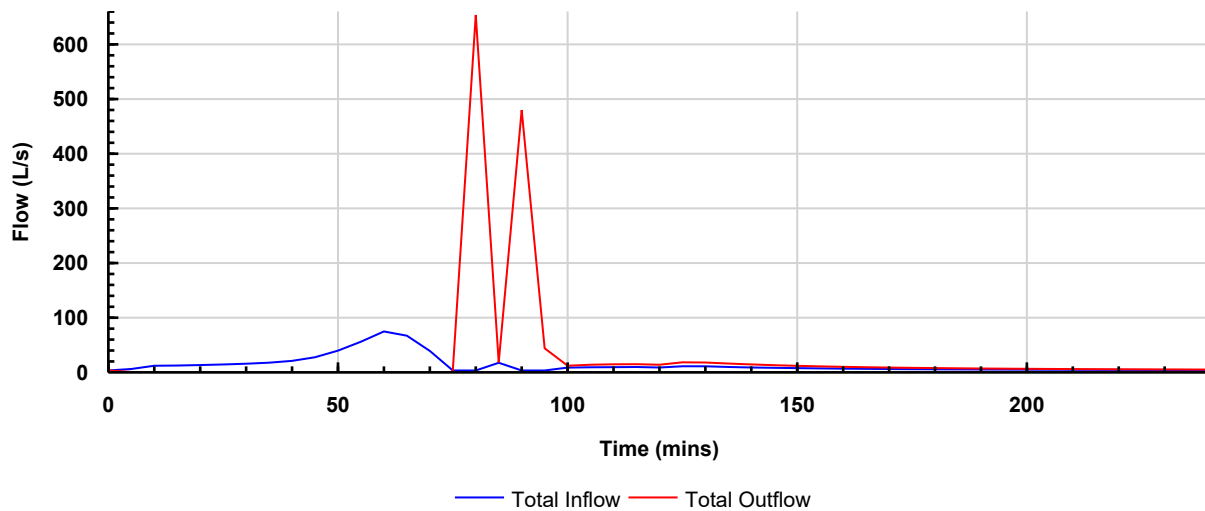
SW-MH AT 01

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 120 mins: Summer

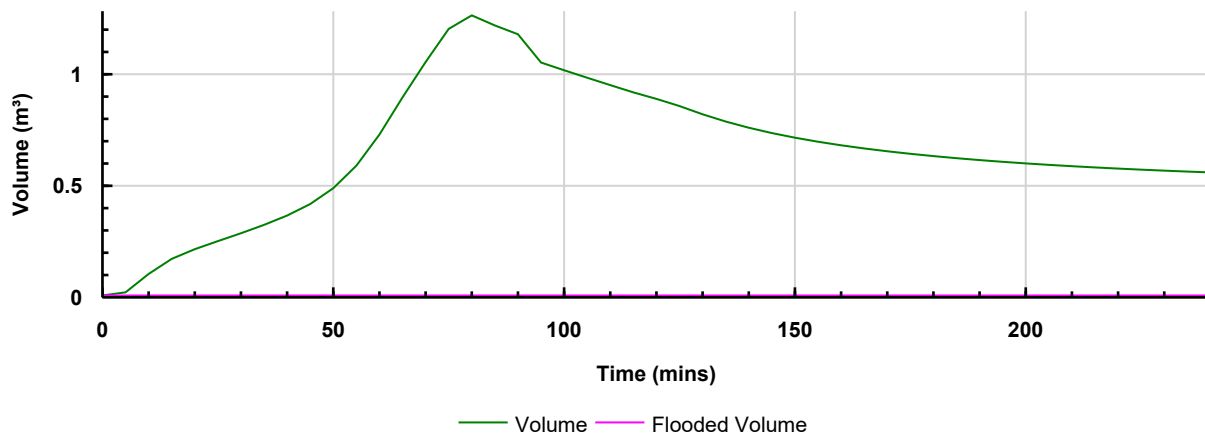
Type : Manhole

Graphs

Flow Graph

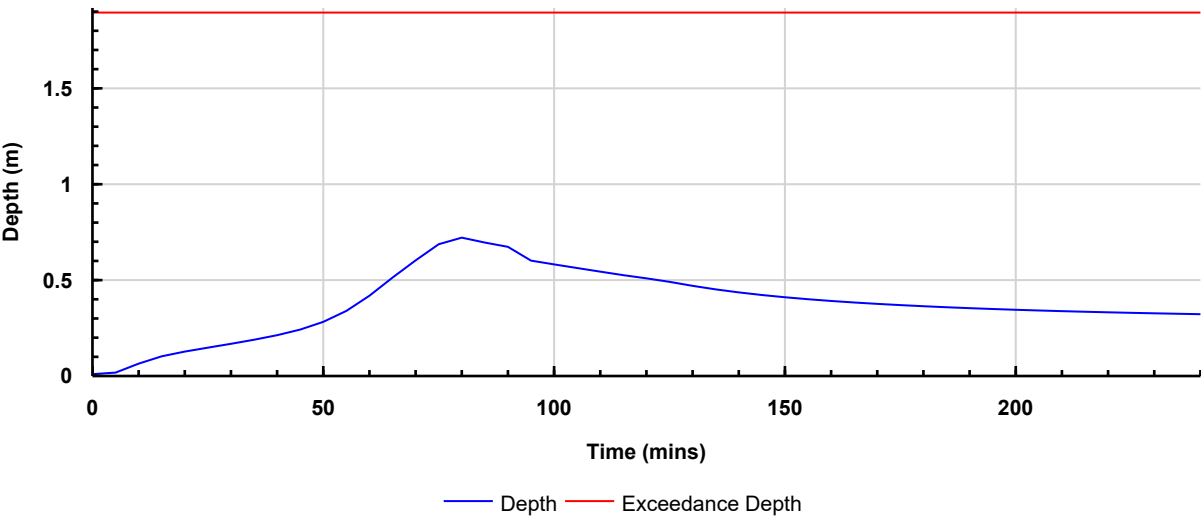


Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Depth Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.000	0.000	0.000	0.0
5	0.0	0.0	2.8	0.008	0.014	0.000	-2.8
10	0.0	0.0	8.7	0.055	0.097	0.000	-8.7
15	0.0	0.0	9.1	0.093	0.165	0.000	-9.1
20	-3.5	-3.5	10.0	0.118	0.209	0.000	-10.0
25	-4.8	-4.8	11.1	0.139	0.245	0.000	-11.1
30	-5.5	-5.5	12.4	0.159	0.281	0.000	-12.4
35	-6.7	-6.7	14.3	0.180	0.319	0.000	-14.3
40	-8.4	-8.4	17.7	0.204	0.361	0.000	-17.7
45	-11.7	-11.7	24.3	0.233	0.413	0.000	-24.3
50	-17.6	-17.6	36.5	0.274	0.484	0.000	-36.5
55	-26.2	-26.2	52.9	0.331	0.586	0.000	-52.9
60	-36.3	-36.3	71.8	0.411	0.726	0.000	-71.8
65	-33.4	-33.4	64.0	0.506	0.894	0.000	-64.0
70	-23.0	-23.0	36.0	0.596	1.053	0.000	-36.0
75	-18.2	-18.2	0.0	0.681	1.203	0.000	0.0
80	-128.3	-128.3	0.0	0.715	1.264	0.000	653.8
85	14.2	14.2	14.2	0.690	1.218	0.000	15.0
90	-135.4	-135.4	0.0	0.667	1.179	0.000	478.9
95	-5.9	-5.9	0.0	0.595	1.051	0.000	40.8
100	5.3	5.3	5.3	0.575	1.016	0.000	8.8
105	5.9	5.9	5.9	0.556	0.982	0.000	10.6
110	6.1	6.1	6.1	0.537	0.949	0.000	11.3
115	6.4	6.4	6.4	0.519	0.916	0.000	11.6
120	5.5	5.5	5.5	0.502	0.887	0.000	10.6
125	7.7	7.7	7.7	0.484	0.855	0.000	15.0
130	7.7	7.7	7.7	0.463	0.818	0.000	14.6
135	6.5	6.5	6.5	0.444	0.785	0.000	12.7
140	5.5	5.5	5.5	0.428	0.757	0.000	11.1
145	4.9	4.9	4.9	0.415	0.733	0.000	9.7
150	4.3	4.3	4.3	0.403	0.712	0.000	8.6
155	3.8	3.8	3.8	0.393	0.694	0.000	7.6
160	3.4	3.4	3.4	0.383	0.678	0.000	6.7
165	3.0	3.0	3.0	0.375	0.663	0.000	6.0
170	2.7	2.7	2.7	0.368	0.651	0.000	5.4
175	2.4	2.4	2.4	0.362	0.639	0.000	4.8
180	2.2	2.2	2.2	0.356	0.629	0.000	4.4
185	2.0	2.0	2.0	0.351	0.619	0.000	4.0
190	1.8	1.8	1.8	0.346	0.611	0.000	3.6
195	1.7	1.7	1.7	0.341	0.603	0.000	3.3
200	1.5	1.5	1.5	0.337	0.596	0.000	3.1
205	1.4	1.4	1.4	0.334	0.589	0.000	2.8
210	1.3	1.3	1.3	0.330	0.583	0.000	2.6
215	1.2	1.2	1.2	0.327	0.578	0.000	2.4
220	1.1	1.1	1.1	0.324	0.573	0.000	2.2
225	1.0	1.0	1.0	0.321	0.568	0.000	2.1
230	0.9	0.9	0.9	0.319	0.563	0.000	1.9
235	0.9	0.9	0.9	0.316	0.559	0.000	1.8
240	0.8	0.8	0.8	0.314	0.555	0.000	1.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
0	0.0
5	-2.8
10	-8.7
15	-9.1
20	-10.0
25	-11.1
30	-12.4
35	-14.3
40	-17.7
45	-24.3
50	-36.5
55	-52.9
60	-71.8
65	-64.0
70	-36.0
75	0.0
80	653.8
85	15.0
90	478.9
95	40.8
100	8.8
105	10.6
110	11.3
115	11.6
120	10.6
125	15.0
130	14.6
135	12.7
140	11.1
145	9.7
150	8.6
155	7.6
160	6.7
165	6.0
170	5.4
175	4.8
180	4.4
185	4.0
190	3.6
195	3.3
200	3.1
205	2.8
210	2.6
215	2.4
220	2.2
225	2.1
230	1.9
235	1.8
240	1.7

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



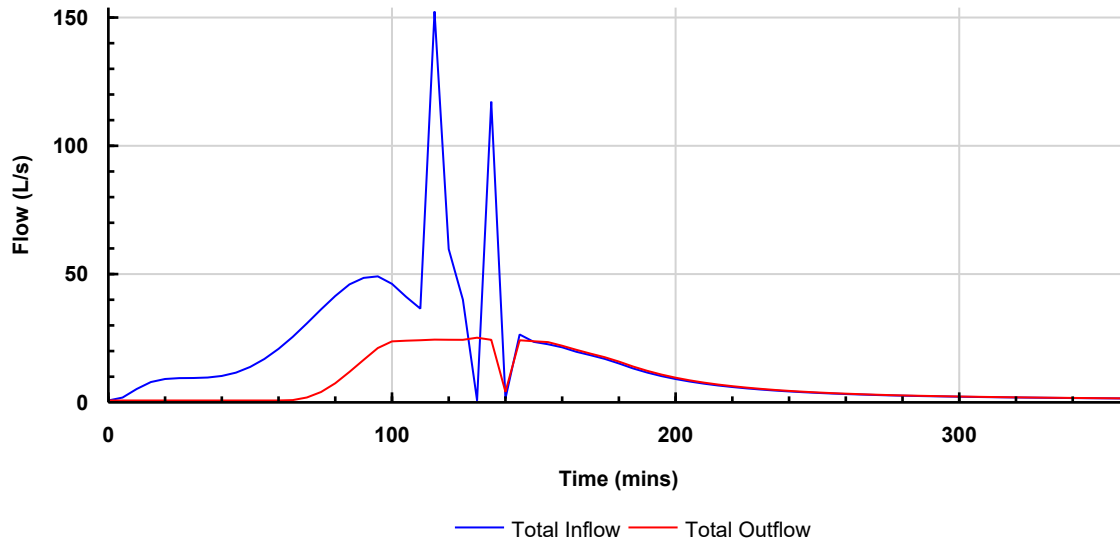
SMH-06

Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 180 mins: Winter

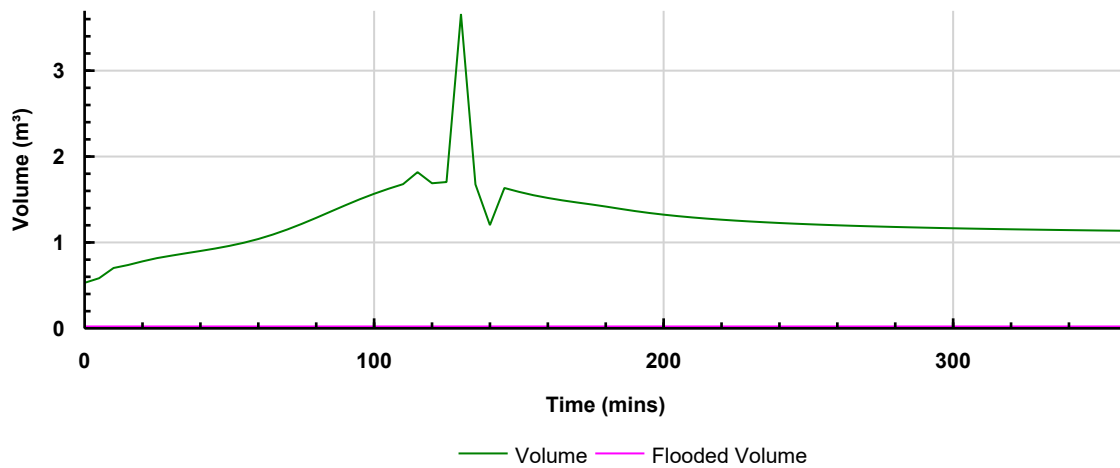
Type : Manhole

Graphs

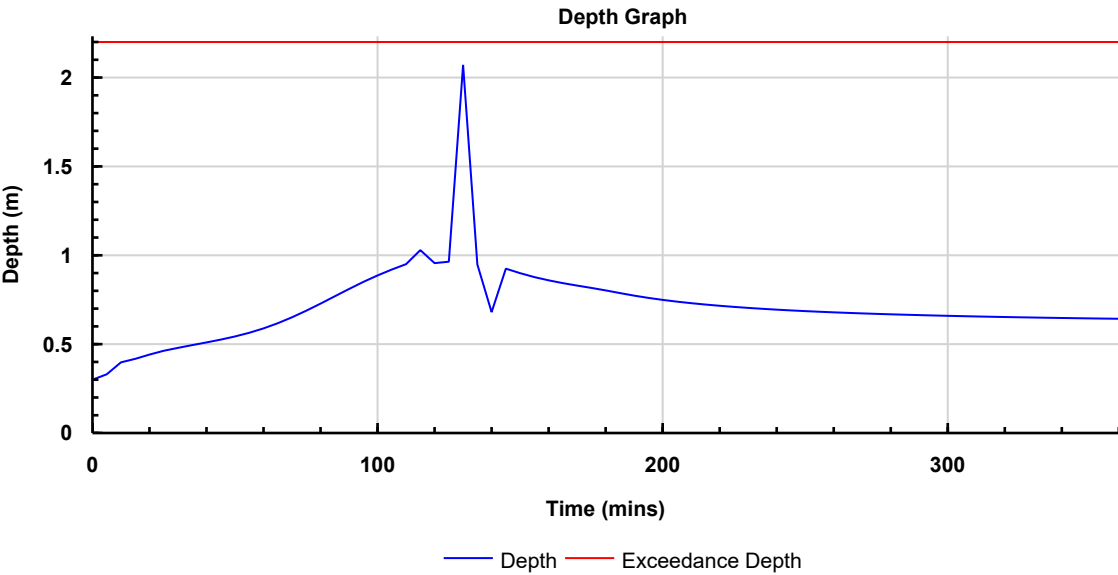
Flow Graph



Volume Graph



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by:	Checked by:	Approved By:	
	MDJ			
Report Details:			Company Address:	
Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Designed by: MDJ	Checked by:		Approved By:
		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Tables

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
0	0.0	0.0	0.0	0.300	0.530	0.000	0.0
5	1.1	1.1	1.1	0.330	0.584	0.000	0.0
10	0.6	0.6	4.5	0.398	0.703	0.000	0.0
15	0.5	0.5	7.2	0.417	0.737	0.000	0.0
20	0.6	0.6	8.4	0.441	0.780	0.000	0.0
25	0.3	0.3	8.8	0.463	0.818	0.000	0.0
30	0.4	0.4	8.8	0.479	0.847	0.000	0.0
35	0.4	0.4	9.0	0.495	0.874	0.000	0.0
40	0.4	0.4	9.6	0.510	0.901	0.000	0.0
45	0.4	0.4	10.9	0.526	0.929	0.000	0.0
50	0.5	0.5	13.1	0.543	0.960	0.000	0.0
55	0.6	0.6	16.2	0.564	0.997	0.000	0.0
60	0.7	0.7	20.2	0.589	1.040	0.000	0.0
65	1.3	1.3	24.9	0.618	1.092	0.000	0.2
70	2.6	2.6	30.2	0.651	1.151	0.000	1.2
75	5.1	5.1	35.7	0.688	1.216	0.000	3.3
80	8.8	8.8	40.9	0.728	1.286	0.000	6.7
85	13.3	13.3	45.5	0.769	1.359	0.000	11.2
90	17.7	17.7	48.0	0.810	1.432	0.000	15.9
95	22.3	22.3	48.6	0.850	1.502	0.000	20.5
100	24.5	24.5	45.7	0.887	1.567	0.000	23.1
105	24.4	24.4	40.6	0.920	1.625	0.000	23.4
110	24.4	24.4	36.0	0.950	1.679	0.000	23.6
115	135.6	135.6	152.3	1.029	1.818	0.000	23.8
120	13.8	13.8	59.3	0.956	1.689	0.000	23.8
125	21.4	21.4	39.5	0.964	1.703	0.000	23.8
130	-69.1	-69.1	0.0	2.071	3.660	0.000	24.6
135	28.7	28.7	117.0	0.948	1.676	0.000	23.8
140	-58.2	-58.2	0.8	0.680	1.202	0.000	3.4
145	12.3	12.3	25.8	0.925	1.634	0.000	23.6
150	23.0	23.0	23.0	0.899	1.589	0.000	23.2
155	22.0	22.0	22.0	0.877	1.550	0.000	22.9
160	20.8	20.8	20.8	0.859	1.518	0.000	21.4
165	19.1	19.1	19.1	0.843	1.490	0.000	19.8
170	17.7	17.7	17.7	0.829	1.466	0.000	18.3
175	16.3	16.3	16.3	0.816	1.443	0.000	16.9
180	14.5	14.5	14.5	0.802	1.418	0.000	15.2
185	12.6	12.6	12.6	0.787	1.391	0.000	13.3
190	10.9	10.9	10.9	0.773	1.366	0.000	11.6
195	9.6	9.6	9.6	0.760	1.343	0.000	10.1
200	8.4	8.4	8.4	0.749	1.324	0.000	8.9
205	7.4	7.4	7.4	0.739	1.306	0.000	7.9
210	6.6	6.6	6.6	0.731	1.291	0.000	7.0
215	5.9	5.9	5.9	0.723	1.277	0.000	6.2
220	5.3	5.3	5.3	0.716	1.265	0.000	5.6
225	4.7	4.7	4.7	0.710	1.254	0.000	5.0
230	4.3	4.3	4.3	0.704	1.244	0.000	4.6
235	3.9	3.9	3.9	0.699	1.235	0.000	4.1
240	3.5	3.5	3.5	0.694	1.227	0.000	3.8
245	3.2	3.2	3.2	0.690	1.219	0.000	3.4
250	3.0	3.0	3.0	0.686	1.212	0.000	3.1
255	2.7	2.7	2.7	0.682	1.206	0.000	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025		
	Designed by: MDJ	Checked by:	Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF		



Time (mins)	Total Outflow (L/s)
0	0.0
5	0.0
10	0.0
15	0.0
20	0.0
25	0.0
30	0.0
35	0.0
40	0.0
45	0.0
50	0.0
55	0.0
60	0.0
65	0.2
70	1.2
75	3.3
80	6.7
85	11.2
90	15.9
95	20.5
100	23.1
105	23.4
110	23.6
115	23.8
120	23.8
125	23.8
130	24.6
135	23.8
140	3.4
145	23.6
150	23.2
155	22.9
160	21.4
165	19.8
170	18.3
175	16.9
180	15.2
185	13.3
190	11.6
195	10.1
200	8.9
205	7.9
210	7.0
215	6.2
220	5.6
225	5.0
230	4.6
235	4.1
240	3.8
245	3.4
250	3.1
255	2.9

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Approach Flow (L/s)	Inlet(L/s)	Total Inflow (L/s)	Depth (m)	Volume (m³)	Flooded Volume (m³)	Outlet(L/s)
260	2.5	2.5	2.5	0.679	1.200	0.000	2.7
265	2.3	2.3	2.3	0.676	1.194	0.000	2.5
270	2.2	2.2	2.2	0.673	1.189	0.000	2.3
275	2.0	2.0	2.0	0.670	1.185	0.000	2.1
280	1.9	1.9	1.9	0.668	1.180	0.000	2.0
285	1.8	1.8	1.8	0.666	1.176	0.000	1.9
290	1.7	1.7	1.7	0.663	1.172	0.000	1.8
295	1.6	1.6	1.6	0.661	1.169	0.000	1.7
300	1.5	1.5	1.5	0.659	1.165	0.000	1.6
305	1.4	1.4	1.4	0.658	1.162	0.000	1.5
310	1.3	1.3	1.3	0.656	1.159	0.000	1.4
315	1.2	1.2	1.2	0.654	1.156	0.000	1.3
320	1.2	1.2	1.2	0.653	1.153	0.000	1.2
325	1.1	1.1	1.1	0.651	1.151	0.000	1.2
330	1.1	1.1	1.1	0.650	1.148	0.000	1.1
335	1.0	1.0	1.0	0.648	1.146	0.000	1.1
340	0.9	0.9	0.9	0.647	1.144	0.000	1.0
345	0.9	0.9	0.9	0.646	1.142	0.000	0.9
350	0.9	0.9	0.9	0.645	1.140	0.000	0.9
355	0.8	0.8	0.8	0.644	1.138	0.000	0.9
360	0.8	0.8	0.8	0.643	1.136	0.000	0.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design		Date: 28/08/2025			
		Designed by: MDJ	Checked by:		Approved By:
Report Details: Type: Junction Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att		Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

Time (mins)	Total Outflow (L/s)
260	2.7
265	2.5
270	2.3
275	2.1
280	2.0
285	1.9
290	1.8
295	1.7
300	1.6
305	1.5
310	1.4
315	1.3
320	1.2
325	1.2
330	1.1
335	1.1
340	1.0
345	0.9
350	0.9
355	0.9
360	0.8

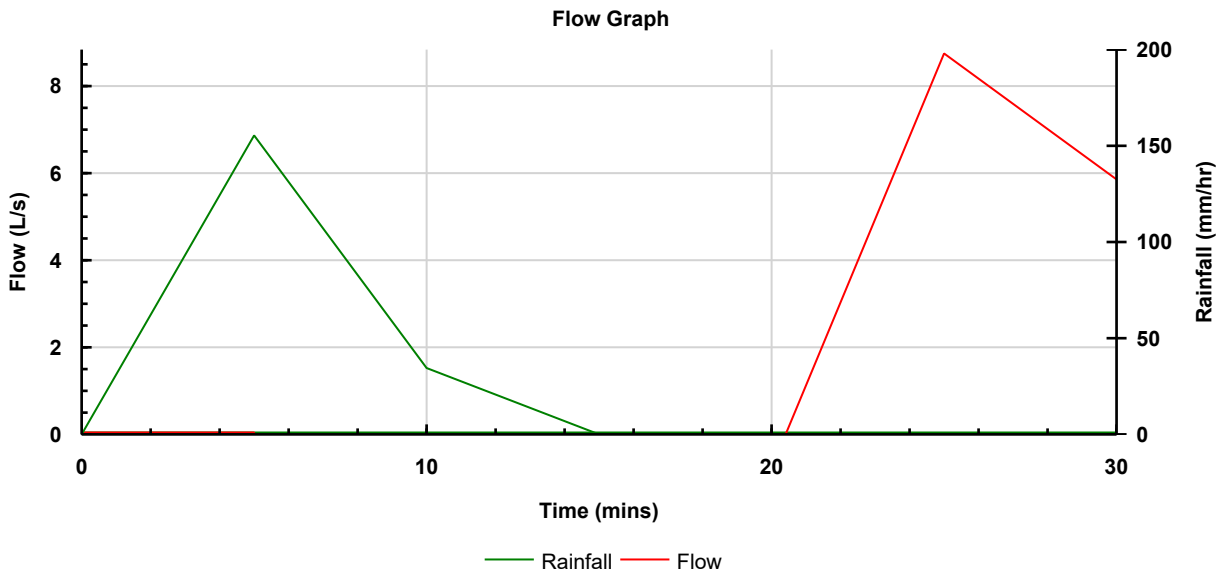
Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			



Offline Attenuation
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Pipe

Graphs



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.034	0.0
10	0.205	-80.8
15	0.386	-21.0
20	0.412	-0.8
25	0.397	8.7
30	0.381	5.8

Project: Link Recycling, Site Redevelopment Link Road, Huyton, Liverpool, L36 6AP Surface Water Drainage Network Design	Date: 28/08/2025			
	Designed by: MDJ	Checked by:	Approved By:	
Report Details: Type: Connection Results Storm Phase: SW Drainage Design Flow Path: Flow Path Offline Att	Company Address: Design Coordination Limited 200 Birkenhead Road, Meols Wirral, Merseyside, CH47 0NF			

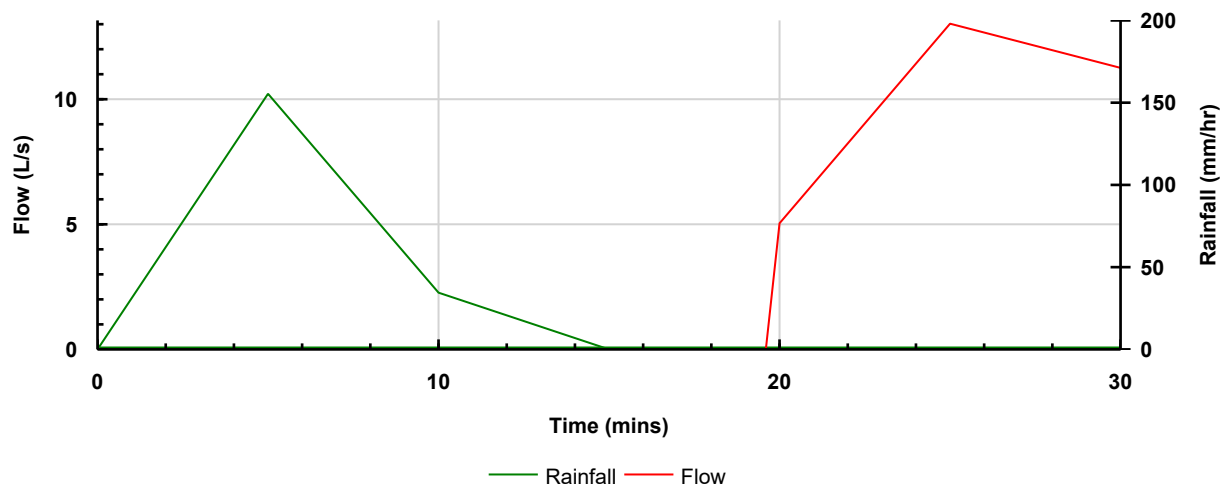


Pipe 5.01
Critical by Return Period: FSR: 30 years: Increase Rainfall (%): +0: 15 mins: Summer

Type : Pipe

Graphs

Flow Graph



Tables

Time (mins)	Depth (m)	Flow (L/s)
0	0.000	0.0
5	0.137	-38.0
10	0.332	-183.3
15	0.461	-58.1
20	0.486	5.0
25	0.471	13.0
30	0.456	11.2