

CONTRACT. LANCASHIRE YORKSHIRE MOTORWAY M62										SHEET No. 1		
LOCATION. TARBOCK TO CROFT (Site 2) BUN ^o B10c										No. of sheets. 1		
CLIENT. SJ 48 NE/123 4598, 8923 MINISTRY OF TRANSPORT				PERCUSSION U D SPT. R		Casing. Size to. Size to. 8"		Ground level. 78.28		Commenced. 25/10/67		
Weather. HEAVY SHOWERS				ROTARY Cored runs O/H		M.C. % Type of Test Core Rec. %		GRADING % PASSING SIEVE 3" N.7 1 1/2" 25 2" 52 3/4" 100 2 1/4" 200		TAQ. or UCT. Bulk Density p.c.f. Shear /o ^o p.s.f. Dev. Stress p.s.i. Lat. Pres. p.s.i. UCT. Stren. p.s.f. Shear/L ^o p.s.f.		
STRATUM. (Scale: 1/4 inch to 1 foot)				SPT. Blow Count (N) LL/PL/PI		LEGEND		RESULTS OF ANY OTHER TESTS.		WATER REMARKS.		
1	Thickness	2	Depth	3	Sample No.	4	5	6	7	8	9	10
Soil	1'3"	1'3"										
Loose brown sand	1'9"	3'0"										
Stiff brown clay with stone inclusions and coal traces	2'6"	5'0"	U1	28/10/18				15.9	UCT		135.3	2644
	5'6"	5'6"	A1	30/12/18 (CL)								
Stiff reddish brown clayey shaley marl	6'0"	6'0"	M1					13.8				
	7'6"	7'6"	U2					11.8	TAQ		131.0	37.7 20
	8'6"	8'6"	A2					12.0			118.9	43.2 40
	5'6"	11'0"	M2					11.6				2016/7.0 ^o
Reddish grey shaley marl	12'0"	12'0"	U3					7.3	TAQ		131.9	48.8 20
	13'6"	13'6"	A3					7.1			136.3	84.0 40
	14'0"	14'0"	M3					17.6				547/28.0 ^o
	4'0"	15'0"	U4					8.6	TAQ		129.3	34.5 20
Hard reddish grey marly shale	1'0"	15'6"	CP1	75 for 4" (total)								4968/0 ^o
Grey shale	17'0"	17'0"	M4					4.6				
	20'0"	20'0"	CP2	75 for 3" (total)								
	4'3"	20'3"										
BOTTLE COMPLETED												Water table not encountered

GENERAL NOTES

1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERING ARCHITECT'S & WORKMAN'S AGREEMENT, CONTRACT DOCUMENTS, AND WORKMAN'S DISCREPANCIES ARE TO BE IN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THIS DRAWING. WORK TO DIMENSIONS OR CO-ORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY.

NOTE:

ALL DRAINAGE HOLES TO CONFORM TO IAWQ STANDARD DETAILS.

ALL CONNECTIONS TO BE MADE WITH LEVEL JOINTS UNLESS NOTED OTHERWISE.

THIS DRAWING IS TO BE READ IN PARALLEL WITH THE FOLLOWING DETAILS:

- STDN/04/01
- STDN/04/02
- STDN/04/03
- STDN/04/04
- STDN/04/05
- STDN/04/07
- STDN/04/08
- STDN/04/09
- STDN/04/11
- STDN/04/12
- STDN/04/13
- STDN/04/06

[illegible]

DATE	BY	DESCRIPTION
01/20/08	JF	AMENDED TO CLIENT COMMENTS
01/21/08	JF	DRAWING SHEET/SCALE AMENDED
01/27/08	JF	SITE BOUNDARY AMENDED
02/01/08	JF	SITE BOUNDARY AMENDED
03/10/08	AS	CONSTRUCTION RECORD ISSUE
03/10/08	AS	MH RELOCATED TO SITE PLANTING
03/20/08	AS	GULLY RELOCATED
03/21/08	AS	310 RELOCATED TO EX GASS MAIN ADDED
03/21/08	AS	310, 9, 6, 4, 8 FOR 400
03/27/08	AS	BACKPODS ADDED TO 310 + 400
03/27/08	AS	CONSTRUCTION ISSUE
03/27/08	AS	AMENDED

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scott  **hughes**

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Page No. 41001915

CLIENT	HENRY BOOT BARNFIELD LTD
PROJECT	CRONTON ROAD, HILTON

DRAFTER	AS	ENGINEER	PG
TITLE S104 SEWER WORKS DRAINAGE GA			
PROJECT NUMBER: 13150			

APPENDIX C – EXISTING SITE RUN OFF CALCULATIONS

Scott Hughes Design Ltd		Page 1
The Flint Glass Works 64 Jersey Street Manchester M4 6JW		
Date 29/03/2017 11:33 File	Designed by SHD1 Checked by	
Micro Drainage Source Control 2015.1		

ICP SUDS Mean Annual Flood

Input

Return Period (years)	100	Soil	0.450
Area (ha)	4.000	Urban	0.000
SAAR (mm)	847	Region Number	Region 10

Results l/s

QBAR Rural	22.0
QBAR Urban	22.0
Q100 years	45.7
Q1 year	19.1
Q30 years	37.2
Q100 years	45.7

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ICP SUDS / IH 124	ADAS 345	FEH	ReFH2	Greenfield Volume
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Method ☒ ICP SUDS ☐ IH 124

Area (ha)

SAAR (mm)

Soil

Region

Map

...

Additional Options

Urban

Return Period (years)

Growth Curve



Calculate

Results

Region	QBAR Rural (L/s)	QBAR Urban (L/s)	Q 1 (years) (L/s)	Q 30 (years) (L/s)	Q 100 (years) (L/s)
Region 10	12.2	12.2	10.6	20.6	25.3

OK

Cancel

APPENDIX D – RIDGE DESIGN DRAWINGS

[illegible]

KEY

- PROPOSED SITE BOUNDARY
- EXISTING GREENFIELD AREA
- EXISTING IMPERMEABLE AREA

PO1	PRELIMINARY ISSUE	18.04.24	JF	AM
REV	DESCRIPTION	DATE	BY	CHKD

RIDGE

PROJECT NUMBER: 5026911
CLIENT: HATFIELD GARAGES

ASSOCIATION WITH

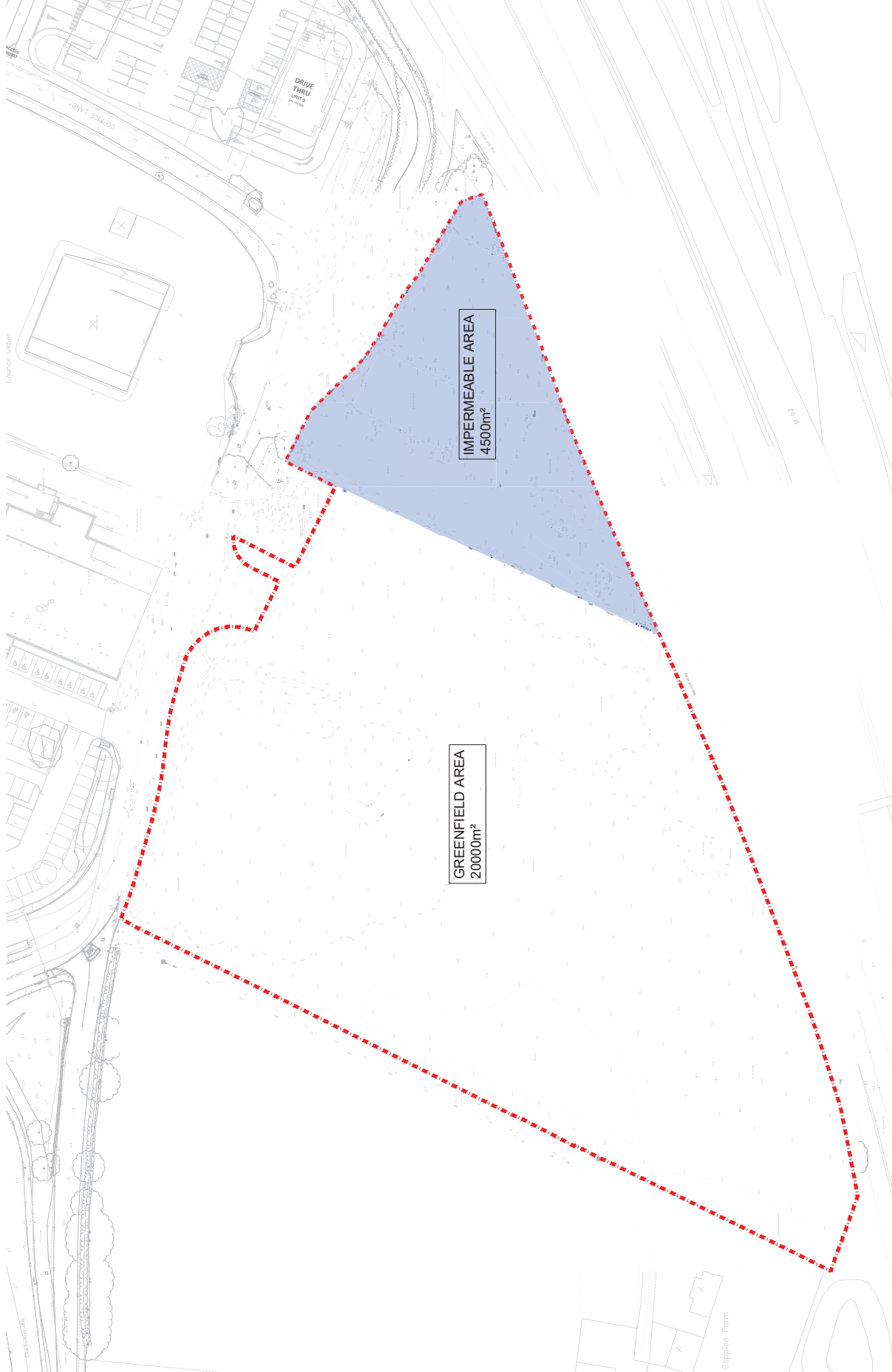
PROJECT:
HATFIELD JLR,
KNOWSLEY

EXISTING IMPERMEABLE PLAN

DRAWN BY: F SCALE: 1:500 DATE: 03/03/2024	CHECKED BY: AM DATE: 03/03/2024	APPROVED BY: AM
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S2 SUITABLE FOR INFORMATION

DRAWING NO: 920811-RDG-XX-XX-00-0030 - Using Impermissible Plan									
PROJECT:	ORG:	FUNCTION:	SPATIAL:	FORM:	DISCIPLINE:	NUMBER:	REV:		
5026911	RDG	XX	XX	D	C	050030	P01		



SITE PLAN
SCALE 1:500



APPENDIX E – OUTLINE SURFACE WATER ATTENUATION CALCULATIONS

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Junctions Storm Phase: Storm	Company Address:			

Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
1	Manhole	345845.922	389209.640	23.851	1.500	22.351	Circular	1.200
2	Manhole	345854.083	389225.853	24.078	1.878	22.200	Circular	1.350
4	Manhole	345863.614	389244.751	24.364	2.431	21.933	Circular	1.500
3	Manhole	345883.902	389285.296	24.597	1.500	23.097	Circular	1.200
5	Manhole	345904.742	389224.057	24.446	2.649	21.797	Circular	1.500
6	Manhole	345970.500	389248.105	24.368	2.796	21.572	Circular	1.500
7	Manhole	346028.514	389267.681	24.445	1.425	23.020	Circular	1.200
8	Manhole	345995.194	389254.345	24.435	1.714	22.721	Circular	1.200
11	Manhole	345981.614	389270.921	24.384	3.008	21.376	Circular	1.500
9	Manhole	345962.788	389313.703	24.513	1.425	23.088	Circular	1.200
10	Manhole	345949.401	389286.879	24.437	1.531	22.906	Circular	1.200
12	Manhole	345876.635	389249.779	24.642	1.500	23.142	Circular	1.200
13	Manhole	345915.058	389230.493	24.583	1.620	22.963	Circular	1.200
14	Manhole	345938.661	389277.574	24.579	1.836	22.743	Circular	1.200
16	Manhole	345956.760	389313.660	24.518	2.018	22.500	Circular	1.350
15	Manhole	345913.455	389334.881	24.626	1.425	23.201	Circular	1.200
17	Manhole	346008.205	389268.924	24.680	1.350	23.330	Circular	1.200
18	Manhole	345994.499	389275.823	24.582	1.486	23.096	Circular	1.200
21	Manhole	346003.778	389294.270	24.582	1.615	22.967	Circular	1.200
19	Manhole	346023.905	389293.870	24.689	1.350	23.339	Circular	1.200
20	Manhole	346008.485	389301.630	24.617	1.451	23.166	Circular	1.200
23	Manhole	346012.172	389318.661	24.725	3.673	21.052	Circular	1.500
22	Manhole	345993.808	389295.176	24.536	3.365	21.171	Circular	2.400

Name	Access Required	Intersection Easting (m)	Intersection Northing (m)	Lock
1	☒	345845.922	389209.640	None
2	☒	345854.083	389225.853	None
4	☒	345863.614	389244.751	None
3	☒	345883.902	389285.296	None
5	☒	345904.742	389224.057	None
6	☒	345970.500	389248.105	None
7	☒	346028.514	389267.681	None
8	☒	345995.194	389254.345	None
11	☒	345981.614	389270.921	None
9	☒	345962.788	389313.703	None
10	☒	345949.401	389286.879	None
12	☒	345876.635	389249.779	None
13	☒	345915.058	389230.493	None
14	☒	345938.661	389277.574	None
16	☒	345956.760	389313.660	None
15	☒	345913.455	389334.881	None
17	☒	346008.205	389268.924	None
18	☒	345994.499	389275.823	None
21	☒	346003.778	389294.270	None
19	☒	346023.905	389293.870	None
20	☒	346008.485	389301.630	None
23	☐			None
22	☐			None

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Junctions Storm Phase: Storm	Company Address:		

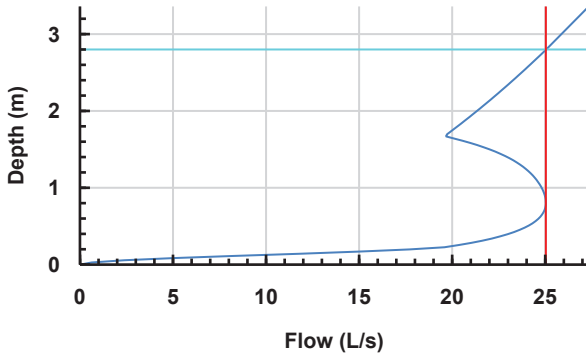


Inlets

Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
1	Inlet	PP2 PP11	(None)	No Restriction
	Inlet (1)	PP9	(None)	No Restriction
	Inlet (2)	PP8	(None)	No Restriction
2	Inlet	1.000	(None)	No Restriction
	Inlet (1)	PP PP7	(None)	No Restriction
	Inlet (2)	PP1	(None)	No Restriction
4	Inlet	1.001 2.000	(None)	No Restriction
	Inlet (1)	PPa PP1A	(None)	No Restriction
3	Inlet	3 - TOC PP4	(None)	No Restriction
5	Inlet	1.002 PP6	(None)	No Restriction
	Inlet (1)	PP11A	(None)	No Restriction
6	Inlet	1.003	(None)	No Restriction
	Inlet (1)	PP12 PP10	(None)	No Restriction
7	Inlet	10 - TOC	(None)	No Restriction
8	Inlet	3.000 11 - TOC	(None)	No Restriction
11	Inlet	4.001 3.001 1.004	(None)	No Restriction
	Inlet (1)	15 - TOC	(None)	No Restriction
9	Inlet	13 - TOC	(None)	No Restriction
10	Inlet	4.000	(None)	No Restriction
	Inlet (1)	14 - TOC	(None)	No Restriction
12	Inlet	PP5	(None)	No Restriction
13	Inlet	5.000 18 - TOC	(None)	No Restriction
14	Inlet	5.001	(None)	No Restriction
16	Inlet	5.002 6.000 21 - TOC	(None)	No Restriction
15	Inlet	20 - TOC	(None)	No Restriction
17	Inlet	22 - TOC	(None)	No Restriction
18	Inlet	7.000 23 - TOC	(None)	No Restriction
21	Inlet	7.001 8.001	(None)	No Restriction
19	Inlet	24 - TOC	(None)	No Restriction
20	Inlet	8.000 25 - TOC	(None)	No Restriction
23	Inlet (1)	1.006	(None)	No Restriction
22	Inlet	1.005 7.002 12 - TOC 9.000	(None)	No Restriction
	Inlet (1)	5.003	(None)	No Restriction

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Junctions Storm Phase: Storm	Company Address:			

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
1	Outlet	1.000	Free Discharge
2	Outlet	1.001	Free Discharge
4	Outlet	1.002	Free Discharge
3	Outlet	2.000	Free Discharge
5	Outlet	1.003	Free Discharge
6	Outlet	1.004	Free Discharge
7	Outlet	3.000	Free Discharge
8	Outlet	3.001	Free Discharge
11	Outlet	1.005	Free Discharge
9	Outlet	4.000	Free Discharge
10	Outlet	4.001	Free Discharge
12	Outlet	5.000	Free Discharge
13	Outlet	5.001	Free Discharge
14	Outlet	5.002	Free Discharge
16	Outlet	5.003	Free Discharge
15	Outlet	6.000	Free Discharge
17	Outlet	7.000	Free Discharge
18	Outlet	7.001	Free Discharge
21	Outlet	7.002	Free Discharge
19	Outlet	8.000	Free Discharge
20	Outlet	8.001	Free Discharge
22	Outlet	1.006	Hydro-Brake®
	Invert Level (m)		21.171
	Design Depth (m)		2.800
	Design Flow (L/s)		25.1
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference		SHE-0193-2510-2800-2510
			

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.350
Depth (m)	0.500
Base Level (m)	23.850
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	81.215
Long. Slope (1:X)	80.00
Width (m)	5.984
Total Volume (m³)	59.568

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Point Inflow
Incoming Item(s)	2 - TOC (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)	
Inlet Type	Point Inflow
Incoming Item(s)	4 - TOC (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP
Outlet Type	Free Discharge

Outlet (1)	
Outgoing Connection	PPa
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (1)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	23.700
Depth (m)	0.500
Base Level (m)	23.200
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	81.882
Long. Slope (1:X)	80.00
Width (m)	11.870
Total Volume (m³)	118.910

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	2 - TOC
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)	
Inlet Type	Lateral Inflow
Incoming Item(s)	4 - TOC
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP1
Outlet Type	Free Discharge

Outlet (1)	
Outgoing Connection	PP1A
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (2)

Type : Porous Paving

Dimensions

Exceedance Level (m)	23.400
Depth (m)	0.500
Base Level (m)	22.900
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	24.240
Long. Slope (1:X)	80.00
Width (m)	9.802
Total Volume (m³)	29.242

Under Drain

Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet

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

Outlets

Outlet

Outgoing Connection	PP2
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	216.0
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Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (4)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.600
Depth (m)	0.500
Base Level (m)	24.100
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	19.684
Long. Slope (1:X)	80.00
Width (m)	5.281
Total Volume (m³)	12.910
Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015
Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	4 - TOC (1) (1)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	PP4
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (5)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.500
Depth (m)	0.500
Base Level (m)	24.000
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	19.582
Long. Slope (1:X)	80.00
Width (m)	9.100
Total Volume (m³)	21.975

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	17 - TOC
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP5
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (6)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.500
Depth (m)	0.500
Base Level (m)	24.000
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	26.674
Long. Slope (1:X)	80.00
Width (m)	8.908
Total Volume (m³)	29.243
Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015
Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	5 - TOC (1)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	PP6
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (7)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.200
Depth (m)	0.500
Base Level (m)	23.700
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	36.359
Long. Slope (1:X)	80.00
Width (m)	12.253
Total Volume (m³)	54.628
Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015
Inlets	
Inlet (1)	
Inlet Type	Lateral Inflow
Incoming Item(s)	2 - TOC (1) (1)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	PP7
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:		



Porous Paving (8)

Type : Porous Paving

Dimensions

Exceedance Level (m)	23.400
Depth (m)	0.500
Base Level (m)	22.900
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	19.582
Long. Slope (1:X)	80.00
Width (m)	9.100
Total Volume (m³)	21.975

Under Drain

Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	1 - TOC (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	PP8
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	216.0
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Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (9)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	23.900
Depth (m)	0.500
Base Level (m)	23.400
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	15.416
Long. Slope (1:X)	80.00
Width (m)	5.780
Total Volume (m³)	11.061

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	1 - TOC (1) (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP9
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (10)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.200
Depth (m)	0.500
Base Level (m)	23.700
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	30.831
Long. Slope (1:X)	80.00
Width (m)	11.078
Total Volume (m³)	41.934
Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015
Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	9 - TOC (1)
Bypass Destination	(None)
Capacity Type	No Restriction
Outlets	
Outlet	
Outgoing Connection	PP10
Outlet Type	Free Discharge
Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (11)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	23.550
Depth (m)	0.500
Base Level (m)	23.050
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	87.098
Long. Slope (1:X)	80.00
Width (m)	10.913
Total Volume (m³)	116.292

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	1 - TOC (1) (1) (1)
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP11
Outlet Type	Free Discharge

Outlet (1)	
Outgoing Connection	PP11A
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Porous Paving (12)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	24.050
Depth (m)	0.500
Base Level (m)	23.550
Paving Layer Depth (mm)	130
Membrane Percolation (m/hr)	10000.0
Porosity (%)	33
Length (m)	31.672
Long. Slope (1:X)	80.00
Width (m)	10.315
Total Volume (m³)	40.123

Under Drain	
Height Above Base (m)	0.050
Diameter (mm)	150
No. of Barrels	1
Release Height (m)	0.000
Friction Scheme	Manning's n
n	0.015

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	9 - TOC
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	PP12
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	216.0

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Stormwater Controls Storm Phase: Storm	Company Address:			



Cellular Storage

Type : Cellular Storage

Dimensions	
Exceedance Level (m)	24.150
Depth (m)	2.000
Base Level (m)	21.200
Number of Crates Long	22
Number of Crates Wide	24
Number of Crates High	5
Porosity (%)	100
Crate Length (m)	1
Crate Width (m)	1
Crate Height (m)	0.4
Total Volume (m³)	1056.950
Outlets	
Outlet	
Outgoing Connection	9.000
Outlet Type	Free Discharge

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
1	23.851 22.351		Diameter / Length: 1.200	{1} PP2	Pipe	22.351	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:345845.9 19 N:389209.6 43	1.500			{2} PP11	Pipe	22.351	Diam/Width: 150			
				{3} PP9	Pipe	22.351	Diam/Width: 150			
				{4} PP8	Pipe	22.351	Diam/Width: 150			
IP E:345845.9 19 IP N:389209.6 43				{a} 1.000	Pipe	22.351	Diam/Width: 300	Not Applicable		
2	24.078 22.200		Diameter / Length: 1.350	{1} 1.000	Pipe	22.200	Diam/Width: 300	Manhole - Access Required	{a} Free Discharge	
E:345854.0 80 N:389225.8 55	1.878			{2} PP	Pipe	22.200	Diam/Width: 150			
				{3} PP7	Pipe	22.200	Diam/Width: 150			
				{4} PP1	Pipe	22.200	Diam/Width: 150			
IP E:345854.0 80 IP N:389225.8 55				{a} 1.001	Pipe	22.200	Diam/Width: 375	Not Applicable		

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
4	24.364 21.933		Diameter / Length: 1.500	{1} 1.001	Pipe	21.933	Diam/Width: 375	Manhole - Access Required	{a} Free Discharge	
E:345863.611 N:389244.753	2.431			{2} 2.000	Pipe	21.933	Diam/Width: 300			
				{3} PPa	Pipe	21.933	Diam/Width: 150			
				{4} PP1A	Pipe	21.933	Diam/Width: 150			
IP E:345863.611 IP N:389244.753				{a} 1.002	Pipe	21.933	Diam/Width: 525	Not Applicable		
3	24.597 23.097		Diameter / Length: 1.200	{1} PP4	Pipe	23.097	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:345883.899 N:389285.299	1.500									
IP E:345883.899 IP N:389285.299				{a} 2.000	Pipe	23.097	Diam/Width: 300	Not Applicable		

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
5	24.446 21.797		Diameter / Length: 1.500	{1} 1.002	Pipe	21.797	Diam/Width: 525	Manhole - Access Required	{a} Free Discharge	
E:345904.740 N:389224.059	2.649			{2} PP6	Pipe	21.797	Diam/Width: 150			
				{3} PP11A	Pipe	21.797	Diam/Width: 150			
IP E:345904.740 IP N:389224.059				{a} 1.003	Pipe	21.797	Diam/Width: 525			
6	24.368 21.572		Diameter / Length: 1.500	{1} 1.003	Pipe	21.572	Diam/Width: 525	Manhole - Access Required	{a} Free Discharge	
E:345970.497 N:389248.107	2.796			{2} PP12	Pipe	21.572	Diam/Width: 150			
				{3} PP10	Pipe	21.572	Diam/Width: 150			
IP E:345970.497 IP N:389248.107				{a} 1.004	Pipe	21.572	Diam/Width: 525			

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:		



Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
7	24.445 23.020		Diameter / Length: 1.200		Pipe	23.020	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:346028.511 N:389267.684	1.425									
IP E:346028.511 IP N:389267.684				{a} 3.000				Not Applicable		
8	24.435 22.721		Diameter / Length: 1.200	{1} 3.000	Pipe	22.796	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:345995.191 N:389254.347	1.714									
IP E:345995.191 IP N:389254.347				{a} 3.001				Not Applicable		
11	24.384 21.376		Diameter / Length: 1.500	{1} 4.001	Pipe	22.681 22.631 21.376	Diam/Width: 225 Diam/Width: 300 Diam/Width: 525	Manhole - Access Required	{a} Free Discharge	
E:345981.611 N:389270.923	3.008			{2} 3.001						
				{3} 1.004						
IP E:345981.611 IP N:389270.923				{a} 1.005	Pipe	21.376	Diam/Width: 600	Not Applicable		

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Storm		Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
9	24.513 23.088		Diameter / Length: 1.200		Pipe	23.088	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:345962.785 N:389313.706	1.425									
IP E:345962.785 IP N:389313.706				{a} 4.000				Not Applicable		
10	24.437 22.906		Diameter / Length: 1.200	{1} 4.000	Pipe	22.906	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:345949.398 N:389286.881	1.531									
IP E:345949.398 IP N:389286.881				{a} 4.001				Not Applicable		
12	24.642 23.142		Diameter / Length: 1.200	{1} PP5	Pipe	23.142	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:345876.632 N:389249.781	1.500									
IP E:345876.632 IP N:389249.781				{a} 5.000				Not Applicable		

Hutton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:		



Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
13	24.583 22.963		Diameter / Length: 1.200	{1} 5.000	Pipe	22.963	Diam/Width: 300	Manhole - Access Required	{a} Free Discharge	
E:345915.0 55 N:389230.4 96	1.620									
IP E:345915.0 55 IP N:389230.4 96				{a} 5.001	Pipe	22.963	Diam/Width: 300	Not Applicable		
14	24.579 22.743		Diameter / Length: 1.200	{1} 5.001	Pipe	22.743	Diam/Width: 300	Manhole - Access Required	{a} Free Discharge	
E:345938.6 58 N:389277.5 76	1.836									
IP E:345938.6 58 IP N:389277.5 76				{a} 5.002	Pipe	22.743	Diam/Width: 300	Not Applicable		
16	24.518 22.500		Diameter / Length: 1.350	{1} 5.002	Pipe	22.575	Diam/Width: 300	Manhole - Access Required	{a} Free Discharge	
E:345956.7 58 N:389313.6 63	2.018			{2} 6.000	Pipe	22.650	Diam/Width: 225			
IP E:345956.7 58 IP N:389313.6 63				{a} 5.003	Pipe	22.500	Diam/Width: 375	Not Applicable		

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
15	24.626 23.201		Diameter / Length: 1.200		Pipe	23.201	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:345913.4 52 N:389334.8 83	1.425									
IP E:345913.4 52 IP N:389334.8 83				{a} 6.000				Not Applicable		
17	24.680 23.330		Diameter / Length: 1.200		Pipe	23.330	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:346008.2 02 N:389268.9 26	1.350									
IP E:346008.2 02 IP N:389268.9 26				{a} 7.000				Not Applicable		
18	24.582 23.096		Diameter / Length: 1.200	{1} 7.000	Pipe	23.171	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:345994.4 96 N:389275.8 26	1.486									
IP E:345994.4 96 IP N:389275.8 26				{a} 7.001				Not Applicable		

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Manhole Schedule Storm Phase: Storm		Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
21	24.582 22.967		Diameter / Length: 1.200	{1} 7.001	Pipe	22.967	Diam/Width: 225	Manhole - Access Required	{a} Free Discharge	
E:346003.775 N:389294.272	1.615			{2} 8.001	Pipe	23.042	Diam/Width: 150			
IP E:346003.775 IP N:389294.272				{a} 7.002	Pipe	22.967	Diam/Width: 225	Not Applicable		
19	24.689 23.339		Diameter / Length: 1.200					Manhole - Access Required	{a} Free Discharge	
E:346023.902 N:389293.873	1.350									
IP E:346023.902 IP N:389293.873				{a} 8.000	Pipe	23.339	Diam/Width: 150	Not Applicable		
20	24.617 23.166		Diameter / Length: 1.200	{1} 8.000	Pipe	23.166	Diam/Width: 150	Manhole - Access Required	{a} Free Discharge	
E:346008.482 N:389301.633	1.451									
IP E:346008.482 IP N:389301.633				{a} 8.001	Pipe	23.166	Diam/Width: 150	Not Applicable		

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Manhole Schedule Storm Phase: Storm	Company Address:			

Setting Out Information	
Easting Origin (m)	0.000
Northing Origin (m)	0.000
Orientation (Degrees anticlockwise from North)	0

Name	Cover Level (m) Invert Level (m)	Manhole Schematic	Manhole Size (m)	Connection Details				Type		
Coordinates (m)	Depth (m)			Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type	Flow Control Type	Flow Control IL (m)
Intersection (m)				Outgoing Connections				Cover		
23	24.725 21.052		Diameter / Length: 1.500	{1} 1.006	Pipe	21.052	Diam/Width: 225	Manhole		
E:346012.169 N:389318.663	3.673									
IP E:346012.169 IP N:389318.663								Not Applicable		
22	24.536 21.171		Diameter / Length: 2.400	{1} 1.005	Pipe	21.171	Diam/Width: 600	Manhole	{a} Hydro-Brake®	21.171
E:345993.805 N:389295.178	3.365			{2} 7.002	Pipe	21.171	Diam/Width: 225			
				{3} 9.000	Pipe	21.171	Diam/Width: 450			
				{4} 5.003	Pipe	21.171	Diam/Width: 375			
IP E:345993.805 IP N:389295.178				{a} 1.006	Pipe	21.171	Diam/Width: 225	Not Applicable		

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Inflow Summary Storm Phase: Storm	Company Address:		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
1 - TOC	Porous Paving (2)		Time of Concentration	0.050	100	0	100	0.050
1 - TOC (1)	Porous Paving (8)		Time of Concentration	0.050	100	0	100	0.050
1 - TOC (1) (1)	Porous Paving (9)		Time of Concentration	0.050	100	0	100	0.050
1 - TOC (1) (1) (1)	Porous Paving (11)		Time of Concentration	0.053	100	0	100	0.053
2 - TOC	Porous Paving (1)		Time of Concentration	0.139	100	0	100	0.139
2 - TOC (1)	Porous Paving		Time of Concentration	0.050	100	0	100	0.050
2 - TOC (1) (1)	Porous Paving (7)		Time of Concentration	0.050	100	0	100	0.050
3 - TOC	3		Time of Concentration	0.232	100	0	100	0.232
4 - TOC	Porous Paving (1)		Time of Concentration	0.070	100	0	100	0.070
4 - TOC (1)	Porous Paving		Time of Concentration	0.044	100	0	100	0.044
4 - TOC (1) (1)	Porous Paving (4)		Time of Concentration	0.030	100	0	100	0.030
5 - TOC	Porous Paving (11)		Time of Concentration	0.047	100	0	100	0.047
5 - TOC (1)	Porous Paving (6)		Time of Concentration	0.047	100	0	100	0.047
9 - TOC	Porous Paving (12)		Time of Concentration	0.098	100	0	100	0.098
9 - TOC (1)	Porous Paving (10)		Time of Concentration	0.098	100	0	100	0.098
10 - TOC	7		Time of Concentration	0.061	100	0	100	0.061
11 - TOC	8		Time of Concentration	0.111	100	0	100	0.111
12 - TOC	22		Time of Concentration	0.091	100	0	100	0.091
13 - TOC	9		Time of Concentration	0.075	100	0	100	0.075
14 - TOC	10		Time of Concentration	0.039	100	0	100	0.039
15 - TOC	11		Time of Concentration	0.214	100	0	100	0.214
17 - TOC	Porous Paving (5)		Time of Concentration	0.079	100	0	100	0.079
18 - TOC	13		Time of Concentration	0.091	100	0	100	0.091
20 - TOC	15		Time of Concentration	0.090	100	0	100	0.090
21 - TOC	16		Time of Concentration	0.090	100	0	100	0.090
22 - TOC	17		Time of Concentration	0.010	100	0	100	0.010
23 - TOC	18		Time of Concentration	0.010	100	0	100	0.010
24 - TOC	19		Time of Concentration	0.010	100	0	100	0.010
25 - TOC	20		Time of Concentration	0.010	100	0	100	0.010
TOTAL		0.0		2.089				2.089

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Network Design Criteria Storm Phase: Storm	Company Address:			

Flow Options

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

SRP Wizard FSR

Type: FSR

Return Period (years)	30.0
Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.400

Pipe Options

Lock Slope Options	None
Design Options	Minimise Excavation
Design Level	Level Soffits
Min. Cover Depth (m)	1.200
Min. Slope (1:X)	400.00
Max. Slope (1:X)	10.00
Min. Backdrop (m)	0.600
Max. Backdrop (m)	1.500
Min. Velocity (m/s)	1.0
Max. Velocity (m/s)	3.0
Use Flow Restriction	☒
Reduce Channel Depths	☒

Manhole Options

Apply Offset	☐
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Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Outfall Details Storm Phase: Storm	Company Address:			

Outfalls

Outfall	Outfall Type	Fixed Surcharged Level (m)	Level Curve
23	Free Discharge		

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury		Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	Company Address:			

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)	0
Perform No Discharge Analysis	☐

Rainfall	
SRP Wizard FSR	Type: FSR
Region	England And Wales
M5-60 (mm)	20.0
Ratio R	0.400
Summer	☒
Winter	☒

Return Period

Return Period (years)	Increase Rainfall (%)
1.0	0.000
2.0	0.000
30.0	40.000
100.0	45.000

Storm Durations

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

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



SRP Wizard FSR: 1 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)
1 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.0	3.251
2 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.14	19.5	9.037
3 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.23	32.5	15.081
4 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.07	9.8	4.552
5 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	6.6	3.053
9 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.10	13.7	6.370
10 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.06	8.6	3.967
11 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.11	15.6	7.212
12 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.09	12.8	5.912
13 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.08	10.5	4.878
14 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.04	5.5	2.535
15 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.21	30.0	13.909
17 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.08	11.1	5.136
18 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.09	12.8	5.912
20 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.09	12.6	5.852

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:			

21 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.09	12.6	5.852
22 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.4	0.650
23 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.4	0.650
24 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.4	0.650
25 - TOC	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.01	1.4	0.650
1 - TOC (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.0	3.251
1 - TOC (1) (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.0	3.251
1 - TOC (1) (1) (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.4	3.443
5 - TOC (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	6.6	3.053
2 - TOC (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.0	3.251
2 - TOC (1) (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.05	7.0	3.251
4 - TOC (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.04	6.2	2.859
4 - TOC (1) (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.03	4.2	1.951
9 - TOC (1)	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	0.10	13.7	6.370

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



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

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
1 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.1	4.196
2 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.14	25.2	11.676
3 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.23	42.1	19.485
4 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.07	12.7	5.877
5 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	8.5	3.951
9 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.10	17.8	8.231
10 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.06	11.1	5.122
11 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.11	20.1	9.324
12 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.09	16.5	7.647
13 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.08	13.6	6.299
14 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.04	7.1	3.274
15 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.21	38.8	17.975
17 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.08	14.3	6.638
18 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.09	16.5	7.647
20 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.09	16.3	7.560

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:			

21 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.09	16.3	7.560
22 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.01	1.8	0.839
23 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.01	1.8	0.839
24 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.01	1.8	0.839
25 - TOC	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.01	1.8	0.839
1 - TOC (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.1	4.196
1 - TOC (1) (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.1	4.196
1 - TOC (1) (1) (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.6	4.451
5 - TOC (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	8.5	3.951
2 - TOC (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.1	4.196
2 - TOC (1) (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.05	9.1	4.196
4 - TOC (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.04	8.0	3.696
4 - TOC (1) (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.03	5.4	2.519
9 - TOC (1)	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	0.10	17.8	8.231

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



SRP Wizard FSR: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
1 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	24.1	11.176
2 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.14	67.0	31.069
3 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.23	111.8	51.853
4 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.07	33.7	15.646
5 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	22.7	10.504
9 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.10	47.2	21.906
10 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.06	29.4	13.633
11 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.11	53.5	24.806
12 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.09	43.9	20.343
13 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.08	36.2	16.764
14 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.04	18.8	8.720
15 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.21	103.2	47.828

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:			

17 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.08	38.1	17.655
18 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.09	43.9	20.343
20 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.09	43.4	20.118
21 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.09	43.4	20.118
22 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.01	4.8	2.232
23 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.01	4.8	2.232
24 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.01	4.8	2.232
25 - TOC	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.01	4.8	2.232
1 - TOC (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	24.1	11.176
1 - TOC (1) (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	24.1	11.176
1 - TOC (1) (1) (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	25.5	11.845
5 - TOC (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	22.7	10.504
2 - TOC (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	24.1	11.176
2 - TOC (1) (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.05	24.1	11.176

Huyton: SW Drainage	Date: 18/09/2024			
	Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:			

4 - TOC (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.04	21.2	9.835
4 - TOC (1) (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.03	14.5	6.704
9 - TOC (1)	SRP Wizard FSR: 30 years: +40 %: 15 mins: Winter	0.10	47.2	21.906

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm	Company Address:		



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

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m³)
1 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	32.4	15.019
2 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.14	90.2	41.761
3 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.23	150.5	69.699
4 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.07	45.4	21.030
5 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	30.5	14.122
9 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.10	63.6	29.444
10 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.06	39.6	18.325
11 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.11	72.0	33.353
12 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.09	59.0	27.341
13 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.08	48.7	22.536
14 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.04	25.3	11.719
15 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.21	138.8	64.297

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:			

17 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.08	51.2	23.736
18 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.09	59.0	27.341
20 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.09	58.4	27.035
21 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.09	58.4	27.035
22 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.01	6.5	3.003
23 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.01	6.5	3.003
24 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.01	6.5	3.003
25 - TOC	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.01	6.5	3.003
1 - TOC (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	32.4	15.019
1 - TOC (1) (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	32.4	15.019
1 - TOC (1) (1) (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	34.4	15.925
5 - TOC (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	30.5	14.122
2 - TOC (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	32.4	15.019
2 - TOC (1) (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.05	32.4	15.019

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:		Approved By:
Report Details: Type: Inflows Summary Storm Phase: Storm		Company Address:			

4 - TOC (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.04	28.5	13.219
4 - TOC (1) (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.03	19.5	9.014
9 - TOC (1)	SRP Wizard FSR: 100 years: +45 %: 15 mins: Winter	0.10	63.6	29.444

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		



SRP Wizard FSR: 1 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
1	SRP Wizard FSR: 1 years: +0 %: 30 mins: Winter	23.851	22.351	22.397	0.046	5.3	0.052	0.000	4.8	6.356	OK
2	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.078	22.200	22.245	0.045	7.1	0.064	0.000	7.2	4.975	OK
4	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.364	21.933	22.060	0.128	37.5	0.225	0.000	30.9	21.735	OK
3	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.597	23.097	23.184	0.087	33.6	0.098	0.000	32.6	15.804	OK
5	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.446	21.797	21.922	0.125	32.7	0.221	0.000	35.7	22.702	OK
6	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.368	21.572	21.809	0.237	63.2	0.420	0.000	77.4	26.857	OK
7	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.445	23.020	23.088	0.068	8.6	0.077	0.000	7.7	3.957	OK
8	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.435	22.721	22.842	0.121	23.3	0.137	0.000	21.9	11.154	OK
11	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.384	21.376	21.786	0.411	101.8	0.725	0.000	124.5	59.225	OK
9	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.513	23.088	23.166	0.078	10.5	0.088	0.000	10.1	4.880	OK
10	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.437	22.906	22.999	0.093	15.5	0.105	0.000	13.6	7.382	OK
12	SRP Wizard FSR: 1 years: +0 %: 60 mins: Winter	24.642	23.142	23.189	0.047	3.8	0.053	0.000	3.8	6.512	OK
13	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.583	22.963	23.053	0.090	15.1	0.102	0.000	12.9	8.261	OK
14	SRP Wizard FSR: 1 years: +0 %: 30 mins: Winter	24.579	22.743	22.824	0.080	11.0	0.091	0.000	10.7	11.944	OK
16	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.518	22.500	22.572	0.072	33.4	0.103	0.000	32.5	19.653	OK
15	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.626	23.201	23.272	0.071	12.6	0.080	0.000	11.5	5.840	OK
17	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.680	23.330	23.358	0.028	1.4	0.031	0.000	1.3	0.648	OK
18	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.582	23.096	23.137	0.041	2.7	0.046	0.000	2.5	1.294	OK
21	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.582	22.967	22.989	0.022	5.1	0.024	0.000	5.0	2.582	OK
19	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.689	23.339	23.367	0.028	1.4	0.032	0.000	1.3	0.648	OK

Huyton: SW Drainage		Date: 18/09/2024			
		Designed by: L Pilsbury	Checked by:	Approved By:	
Report Details: Type: Junctions Summary Storm Phase: Storm		Company Address:			

20	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.61 7	23.16 6	23.203	0.037	2.7	0.041	0.000	2.6	1.295	OK
23	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.72 5	21.05 2	21.193	0.141	23.8	0.000	0.000	23.8	20.254	OK
22	SRP Wizard FSR: 1 years: +0 %: 15 mins: Winter	24.53 6	21.17 1	21.772	0.600	149.7	2.715	0.000	23.6	82.919	Surcharged

Huyton: SW Drainage	Date: 18/09/2024		
	Designed by: L Pilsbury	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Storm	Company Address:		




SRP Wizard FSR: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
1	SRP Wizard FSR: 2 years: +0 %: 30 mins: Winter	23.851	22.351	22.408	0.057	7.9	0.065	0.000	7.6	10.069	OK
2	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.078	22.200	22.254	0.053	10.0	0.076	0.000	10.4	7.189	OK
4	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.364	21.933	22.082	0.150	49.8	0.265	0.000	42.2	29.128	OK
3	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.597	23.097	23.196	0.099	43.6	0.112	0.000	42.4	20.646	OK
5	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.446	21.797	21.973	0.176	44.8	0.311	0.000	67.8	31.227	OK
6	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.368	21.572	21.866	0.295	72.0	0.521	0.000	122.9	40.070	OK
7	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.445	23.020	23.099	0.079	11.1	0.089	0.000	10.0	5.111	OK
8	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.435	22.721	22.862	0.141	30.2	0.159	0.000	28.5	14.419	OK
11	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.384	21.376	21.866	0.490	154.1	0.866	0.000	177.8	81.085	OK
9	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.513	23.088	23.178	0.090	13.6	0.101	0.000	13.0	6.302	OK
10	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.437	22.906	23.014	0.109	20.1	0.123	0.000	17.8	9.539	OK
12	SRP Wizard FSR: 2 years: +0 %: 30 mins: Winter	24.642	23.142	23.198	0.056	5.3	0.064	0.000	5.6	6.250	OK
13	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.583	22.963	23.068	0.105	19.9	0.119	0.000	17.2	11.368	OK
14	SRP Wizard FSR: 2 years: +0 %: 30 mins: Winter	24.579	22.743	22.837	0.093	14.8	0.105	0.000	14.2	16.005	OK
16	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.518	22.500	22.585	0.085	44.1	0.121	0.000	43.2	26.125	OK
15	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.626	23.201	23.283	0.082	16.3	0.093	0.000	14.9	7.548	OK
17	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.680	23.330	23.362	0.032	1.8	0.036	0.000	1.7	0.836	OK
18	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.582	23.096	23.143	0.046	3.5	0.053	0.000	3.3	1.671	OK
21	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.582	22.967	22.992	0.025	6.6	0.028	0.000	6.5	3.336	OK
19	SRP Wizard FSR: 2 years: +0 %: 15 mins: Winter	24.689	23.339	23.371	0.032	1.8	0.036	0.000	1.7	0.837	OK