





Reference	Cover Level	Invert Level Upstream	Invert Level Downstream	Purpose	Material	Pipe Shape	Max Size	Min Size	Gradient	Year Laid
SK51057810	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057906	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056905	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057905	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057809	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056908	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056813	0	88.193	84.114	F	VC	C	300	<UNK>	16.84	31/12/1899 00:00:00
SK51057812	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057907	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056907	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057901	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057819	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057808	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057903	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056904	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057818	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056810	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056812	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057704	0	<UNK>	<UNK>	F	U	C	150	0	0	06/07/2010 00:00:00
SK51057908	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056909	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057816	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51056911	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057815	0	0	0	F	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057904	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057902	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057821	0	0	0	S	VC	C	150	0	0	10/08/2010 00:00:00
SK51056811	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SK51057822	0	0	0	S	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00

LEGEND

Ancillary

- Balancing Lagoon
- Grease Trap
- Interceptor
- Screen
- Chamber
- Flushing Chamber
- Scalaway
- Overflow
- Fitting
- Blind Shaft
- Facility Connector
- Head Node
- Lamphole
- Sewerage Air Valve
- Sewerage Chemical Injection Point
- Sewerage Hatch Box
- Sewerage Pressure Washout
- Vent Column
- Waste Water Outfall
- Control Valve
- Hydrotake
- Penstock

Manhole

- Sewerage Isolation Valve
- Sewerage Non Return Valve
- Manhole
- Foul Bifurcation Manhole
- Combined Bifurcation Manhole
- Surface Water Bifurcation Manhole
- Dual Manhole
- Foul Single Manhole
- Combined Single Manhole
- Surface Water Single Manhole
- Twin Manhole
- Foul Adopted Manhole
- Combined Adopted Manhole
- Surface Adopted Manhole
- Transferred Manhole
- Unsurveyed Manhole

Storage

- None
- Highway Drain
- Null Private
- S24
- Storage

Disposal Site

- DS
- Off-Line Waste Water Storage
- On-Line Waste Water Storage
- Wet Well

Waste Water Process Structure

- Waste Water Process Structure
- Sewage Treatment Point
- Sewage Treatment Structure
- Sludge Treatment Point
- Sludge Treatment Structure
- Gravity Sewer Pipe

Operational Site

Waste Water Pump

- 5104
- Transferred Asset
- 5102
- Null STW
- Adopted Sewer

Sewer Types

- Foul Gravity Sewer
- Combined Gravity Sewer
- Surface Water Gravity Sewer
- 5104 Surface Water Gravity Sewer
- 5104 Combined Gravity Sewer
- 5104 Foul Gravity Sewer
- Private Surface Water Gravity Sewer
- Private Combined Gravity Sewer

Private Foul Gravity Sewer	Surface Water Vacuum Sewer	Surface Water Lateral Drain
Surface Water Unsurveyed Pipe	Foul Vacuum Sewer	Combined Lateral Drain
Combined Unsurveyed Pipe	Combined Vacuum Sewer	Foul Lateral Drain
Foul Unsurveyed Pipe	S104 Surface Water Vacuum Sewer	S104 Surface Water Lateral Drain
Transferred Surface Water Sewer	S104 Combined Vacuum Sewer	S104 Combined Lateral Drain
Transferred Combined Sewer	S104 Foul Vacuum Sewer	S104 Foul Lateral Drain
Transferred Foul Sewer	Private Surface Water Vacuum Sewer	Private Surface Water Lateral Drain
Disposal Pipe	Private Combined Vacuum Sewer	Private Combined Lateral Drain
Overflow Pipe	Private Foul Vacuum Sewer	Private Foul Lateral Drain
Culverted Water Course	Surface Water Siphon	Transferred Surface Water Lateral Drain
Waste Internal Site Pipe	Combined Siphon	Transferred Combined Lateral Drain
Sewer Service Connection	Foul Siphon	Transferred Foul Lateral Drain
Gravity Sewer Others	Private Surface Water Siphon	Print1000mLine
Pressure Sewer Pipe	Private Combined Siphon	
Surface Water Pressure Sewer	Private Foul Siphon	
Combined Pressure Sewer	S104 Surface Water Siphon	
Foul Pressure Sewer	S104 Combined Siphon	
S104 Surface Water Pressure Sewer	S104 Foul Siphon	
S104 Combined Pressure Sewer	Surface Water Unsurveyed Pipe	
S104 Foul Pressure Sewer	Combined Unsurveyed Pipe	
Private Surface Water Pressure Sewer	Foul Unsurveyed Pipe	
Private Combined Pressure Sewer	Disposal Pipe	
Private Foul Pressure Sewer	Service Pipe	

<u>MATERIALS</u>	
-	- NONE
AC	- ASBESTOS
BR	- BRICK
CC	- CONCRETE
CI	- CAST IRON
CO	- CONCRETE
CSB	- CONCRETE
CSU	- CONCRETE
DI	- DUCTILE IRON
GRP	- GLASS REINFORCED PLASTIC
MAC	- MASONRY
MAR	- MASONRY
PE	- POLYETHYLENE
PF	- PITCH
PP	- POLYPROPYLENE
PSC	- PLASTIC SCAFFOLDING
PVC	- POLYVINYL CHLORIDE
RPM	- REINFORCED PLASTIC
SI	- SPUN (GLASS)
ST	- STEEL
U	- UNKNOWN
VC	- VITRIFIED CERAMIC
XXX	- OTHER

<u>CATEGORIES</u>	
S CEME	W - WEIR
E BOX CULVERT	C - CASCADE
N	DB - DAMBOARD
E	SE - SIDE ENTR.
E SEGMENTS (BOLTED)	FV - FLAP VALV.
E SEGMENTS (UNBOLTED)	BD - BACK DRO.
RON	S - SIPHON
INFORCED PLASTIC	D - HIGHWAY D.
Y IN REGULAR COURSES	S104 - SECTION
Y RANDOMLY COURSED	
LENE	
PYLENE	
STEEL COMPOSITE	
YL CHLORIDE	
ED PLASTIC MATRIX	
REY) IRON	
<u>SHAPE</u>	
	C - CIRCULAR
	E - EGG SHAPE
	O - OTHER
	R - RECTANGLE
	S - SQUARE
	T - TRAPEZOID
	U - UNKNOWN
<u>PURPOSE</u>	
WN	C - COMBINED
DO CLAY	E - FINAL EFFLU.
	F - FOUL
	L - SLUDGE
	S - SURFACE W.



Severn Trent Water Limited
Asset Data Management
PO Box 5344
Coventry
CV1 2ET

SEWER RECORD (Tabular)

O/S Map Scale: 1:10,000

This map is centred upon:

This map is centred upon:

Date of Issue: 27-04-2018

Disclaimer Statement

- 1 Do not scale off this Map.
- 2 This plan and any information supplied with it is furnished as a general guide, is only valid at the date of issue and no warranty as to its correctness is given or implied. In particular this plan and any information shown on it must not be relied upon in the event of any development or works (including but not limited to excavations) in the vicinity of SEVERN TRENT WATER assets or for the purposes of determining the suitability of a point of connection to the sewerage or distribution systems.
- 3 On 1 October 2011 most private sewers and private lateral drains in Severn Trent Water's sewerage area, which were connected to a public sewer as at 1 July 2011, transferred to the ownership of Severn Trent Water and became public sewers and public lateral drains. A further transfer takes place on 1 October 2012. Private pumping stations, which form part of these sewers or lateral drains, will transfer to ownership of Severn Trent Water on or before 1 October 2016. Severn Trent Water does not possess complete records of these assets. These assets may not be displayed on the map.
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Calculated by:	Henry McColl
Site name:	Ratby Phases 3 & 4
Site location:	Leicestershire

This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance "Rainfall runoff management for developments", SC030219 (2013), the SuDS Manual C753 (Ciria, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Site Details

Latitude:	52.65162° N
Longitude:	1.25372° W
Reference:	203887378
Date:	May 28 2024 09:23

Runoff estimation approach

FEH Statistical

Site characteristics

Total site area (ha):	1
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Methodology

Q_{MED} estimation method:	Calculate from BFI and SAAR
BFI and SPR method:	Specify BFI manually
HOST class:	N/A
BFI / BFIHOST:	0.345
Q_{MED} (l/s):	
Q_{BAR} / Q_{MED} factor:	1.12

Notes

(1) Is $Q_{BAR} < 2.0$ l/s/ha?

When Q_{BAR} is < 2.0 l/s/ha then limiting discharge rates are set at 2.0 l/s/ha.

(2) Are flow rates < 5.0 l/s?

Where flow rates are less than 5.0 l/s consent for discharge is usually set at 5.0 l/s if blockage from vegetation and other materials is possible. Lower consent flow rates may be set where the blockage risk is addressed by using appropriate drainage elements.

(3) Is $SPR/SPRHOST \leq 0.3$?

Where groundwater levels are low enough the use of soakaways to avoid discharge offsite would normally be preferred for disposal of surface water runoff.

Hydrological characteristics

	Default	Edited
SAAR (mm):	665	665
Hydrological region:	4	4
Growth curve factor 1 year:	0.83	0.83
Growth curve factor 30 years:	2	2
Growth curve factor 100 years:	2.57	2.57
Growth curve factor 200 years:	3.04	3.04

Q_{BAR} (l/s):		4.29
1 in 1 year (l/s):		3.56
1 in 30 years (l/s):		8.58
1 in 100 year (l/s):		11.02
1 in 200 years (l/s):		13.04

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.eksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement , which can both be found at www.eksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.

