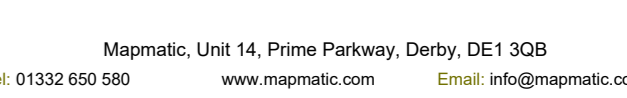




REV	DATE	DESCRIPTION OF WORK	SURVEYOR	CHECKED BY
-----	------	---------------------	----------	------------



PROJECT
Land West of Shilton Road
Earl Shilton
Leicester, LE9 7EQ

Scale	1: 500@A0	Date	22.05.2025
Drawn	MR	Checked	AW
Level datum	GNSS	Grid orientation	GNSS
Job number	7852	Revision	0
Drawing no.	0001	Sheet	2 of 2

All critical measurements should be checked on site prior to design. No liability will be taken for this presentation after 30 days. Trees and other survey data may be omitted due to dense vegetation. Please note the chain of information has been ascertained by visual inspection from the surface and therefore values are estimates.

This survey has been orientated to the Ordnance Survey (OS) national grid via a Global Navigation Satellite System (GNSS) and the OS Active Network (OS AN). A true OSGG2036 coordinate has been established near to the site centre via a transformation using the OSTN15 and OSPP2015 transformations. The OS coordinate has been converted to this point and a further 100m OSGG2036 point established to create a true OS Sire for angle orientation. No scale factor is applied because to the survey the coordinates shown are arbitrary and not true OS coordinates.

Please refer to the survey station table to enable establishment of the os-oid grid.



Project Number: 25-0320
Project Title: Land West of Shilton Road, Earl Shilton
Location: Shilton Road, Earl Shilton, Leicestershire
BSP Document Ref: SRES-BSP-XX-XX-T-W-0001-P03_Flood_Risk_Assessment



Appendix C

Proposed Site Plan



KEY

Site boundary (5.67ha)

Other land within client's control

Proposed residential development (2.99ha developable area)

Existing pedestrian route

Existing bridleway

Proposed pedestrian route

Existing trees and hedges to be retained

Proposed vegetation

Proposed primary vehicular route

Proposed minor / shared surface vehicular route

Approved Planning Permission Outline: 21/00135/OUT
Reserved Matters Approved: 24/00496/REM (140 dwellings)

FOR ILLUSTRATIVE PURPOSES ONLY

Drawn By S.C.M.	Title Land west of Shilton Rd, Earl Shilton ILLUSTRATIVE SITE LAYOUT - PARCEL 1	Drawing No 25.034/05a
Approved By D.R.	Scale LINEAR	P and DG accept no responsibility for any unauthorised amendments to drawings and does not permit unauthorised copying of drawings in order that subsequent reproduction of drawings are internally controlled. Copyright P and DG
Revision Detail / Date Rev. a: minor amendment to layout (S.C.M. 01/09/25)	Date 09/25	This drawing should not be scaled for construction purposes

P&D
Planning and Design Group

Project Number: 25-0320
Project Title: Land West of Shilton Road, Earl Shilton
Location: Shilton Road, Earl Shilton, Leicestershire
BSP Document Ref: SRES-BSP-XX-XX-T-W-0001-P03_Flood_Risk_Assessment



Appendix D

Severn Trent Water Correspondence & Sewer Records

WONDERFUL ON TAP

SEVERN
TRENT

Severn Trent Water Ltd
Oxley Moor Road
Wolverhampton
WV9 5HN

www.stwater.co.uk
network.solutions@severntrent.co.uk

Contact: Michael Taylor
Tel. 07769881839
Reference: 1151815

Matthew Genn
BSP Consulting Ltd
12 Oxford Street
Nottingham
NG1 5BG

23rd June 2025

Dear Matthew

**Proposed Development: - 205 dwelling development West Shilton Rd
X-446484 Y-298636**

I refer to your 'Development Enquiry Request' for the proposed 205 dwelling development in respect of the above-named site. Please find enclosed the sewer records that are included in the fee together with the Supplementary Guidance Notes (SGN) which refer to surface water disposal from development sites.

Public Sewers in Site – Required Protection

Due to a change in legislation on 1 October 2011 there may be former private sewers on the site which have transferred to the responsibility of Severn Trent Water Ltd, which are not shown on the statutory sewer records, but are in your client's land. These sewers would require protective strips of 3 metres either side of the sewer's centreline that we will not allow to be built over.

Foul Water Drainage

The proposed development for 205 dwellings would create additional flows of approx. 3.2/s 2xdwf gravity flows, a pumped solution we would expect to be approx. 5.5l/s,

The nearest suitable foul sewer is located for a pumped solution is m/h88202 should be possible, there is limited capacity within the network for foul flows, including limited capacity at the downstream pump station, modelling maybe required.

In a change to our previous process, we no longer charge developers for the hydraulic modelling service. We will liaise with you over time with regards to the outcome of our investigations and any impact that may have on the planning status, occupation, or

WONDERFUL ON TAP

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TRENT

phasing of the site.

However, while we can provide a brief summary of our findings if you need us to, we will no longer provide the full external capacity assessment report.

In the meantime, the site will be added to our modelling tracker and reviewed regularly until the site can be progressed for sewer modelling. We will only put the modelling request forward, if we are sure a pumped solution is possible and the site will progress, requiring a connection to the public sewer.

We are undergoing a prioritisation process of all investment requirements and emerging risks from growth on our network and treatment works as we build our plan for the coming Asset Management Plan period (2025-2030) and beyond.

We will pass details of your site over for consideration and feed back if anything arises which is of concern. **We will let you know as soon as possible if anything will affect your connection points and timescales, should we need to make representation to the Planning Authority to apply conditions relating to phasing or occupation of the site.** It's more to allow us to understand whether what system improvements will be required as a result of your proposed development drainage scheme.

From the application you have submitted, I am assuming that the development has not been granted planning approval. In the meantime, the site will be added to our modelling tracker and reviewed regularly until the site can be progressed for sewer modelling. I would therefore be grateful if you would forward as soon as possible the following details.

If a gravity connection is possible.

Pumped flows if this is the only option.

Proposed timescales and phase details for the construction.

Planning status

All connections, via new or existing connections are subject to S106 sewer connection applications.

As you have identified another proposed development due south of your site, it would be beneficial, to discuss proposed joint drainage solution, where you may be able to drain by gravity to the southern development, this would also avoid the need for numerous pump stations.

Surface Water Drainage

Under the terms of Section H of the Building Regulations 2000, the disposal of surface water by means of soakaways should be considered as the primary method. If these are found to be unsuitable, satisfactory evidence will need to be submitted. The evidence should be either percolation test results or by the submission of a statement from the SI consultant (extract or a supplementary letter).

WONDERFUL ON TAP



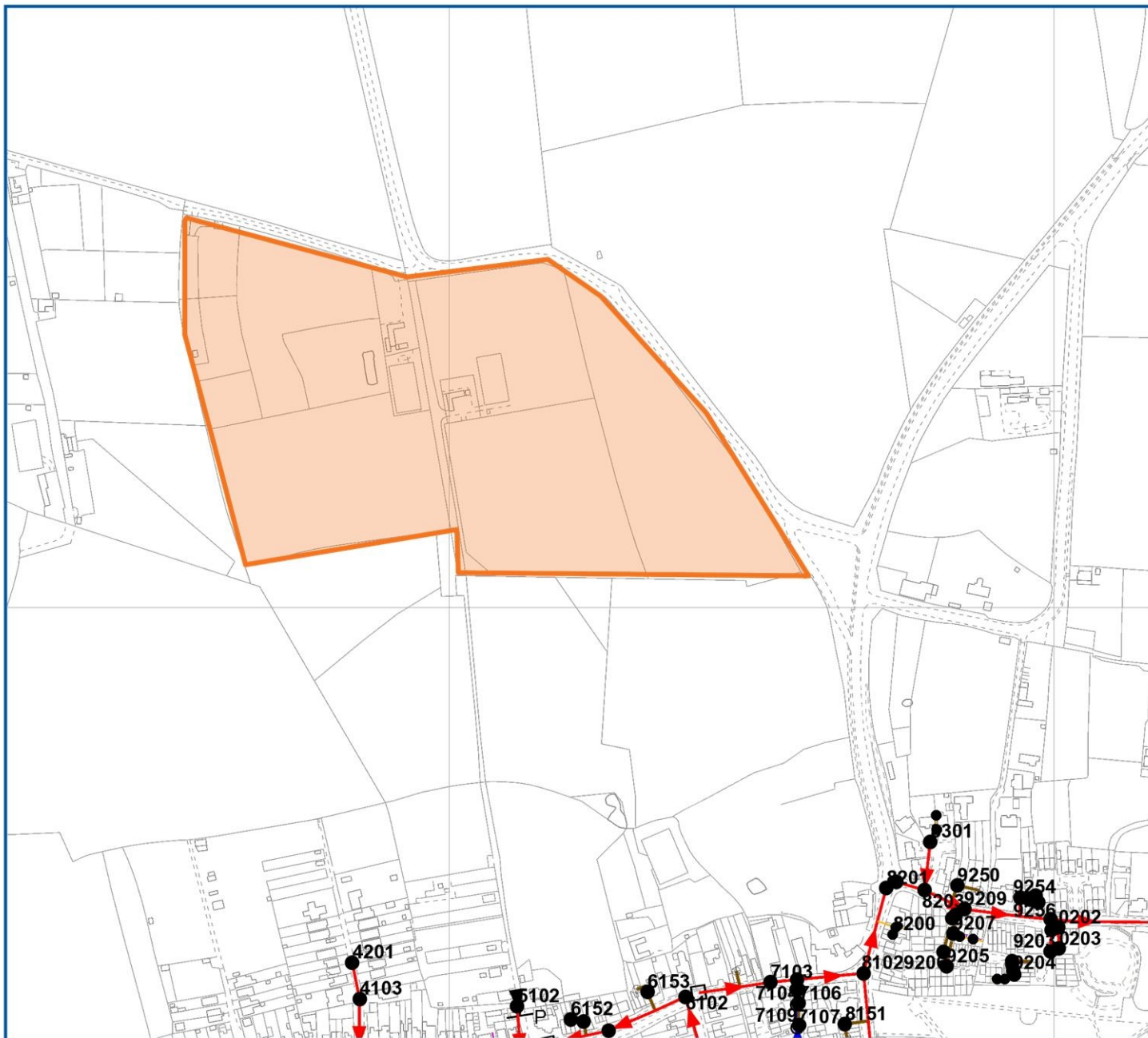
Should Soakaways prove to be unfeasible for the development, then you will need to investigate any local watercourse culverts/ditches or highway drains for surface water discharge, with flows in line with greenfield rates 5l/s/ha to be agreed with the LLFA.

For any new connections (including the re-use of existing connections) to the public sewerage system, the developer will need to submit a Section 106 application form. Our Developer Services department are responsible for handling all new connections enquiries and applications. To contact them for an application form and associated guidance notes please call 0800 7076600 or download from www.stwater.co.uk.

Please quote reference 1151815 in any future correspondence (including e-mails) with STW Limited. Please note that Developer Enquiry responses are only valid for 6 months from the date of this letter.

Yours sincerely

Michael Taylor
Senior Evaluation Technician
Network Solutions



LEGEND	
Operational Site	
Waste Water Pump	
Transferred Asset	
S24	
S104	
S102	
Null Private	
Null	
None	
Highway Drain	
Adopted Sewer	
Storage	
Disposal Site	
Off-Line Waste Water Storage	
On-Line Waste Water Storage	
Wet Well	
Waste Water Process Structure	
Sewage Treatment Point	
Sewage Treatment Structure	
Sludge Treatment Point	
Sludge Treatment Structure	
Manhole	
Foul Bifurcation Manhole	
Combined Bifurcation Manhole	
Surface Water Bifurcation Manhole	
Dual Manhole	
Foul Single Manhole	
Combined Single Manhole	
Surface Water Single Manhole	
Surface Water Single Manhole	
Twin Manhole	
Foul Adopted Manhole	
Combined Adopted Manhole	
Surface Adopted Manhole	
Transferred Manhole	
Unsurveyed Manhole	
Gravity Sewer Pipe	
Foul Gravity Sewer	
Combined Gravity Sewer	
Surface Water Gravity Sewer	
S104 Surface Water Gravity Sewer	
S104 Combined Gravity Sewer	
S104 Foul Gravity Sewer	
Private Surface Water Gravity Sewer	
Private Combined Gravity Sewer	
Private Foul Gravity Sewer	
Surface Water Unserved Pipe	
Combined Unserved Pipe	
Foul Unserved Pipe	
Transferred Surface Water Sewer	
Transferred Combined Sewer	
Transferred Foul Sewer	
Disposal Pipe	
Overflow Pipe	
Culverted Water Course	
Waste Internal Site Pipe	
Sewer Service Connection	
Gravity Sewer Others	
Pressure Sewer Pipe	
Surface Water Pressure Sewer	
Combined Pressure Sewer	
Foul Pressure Sewer	
S104 Surface Water Pressure Sewer	
S104 Combined Pressure Sewer	
S104 Foul Pressure Sewer	
Private Surface Water Pressure Sewer	
Private Combined Pressure Sewer	
Private Foul Pressure Sewer	
Surface Water Vacuum Sewer	
Foul Vacuum Sewer	
Combined Vacuum Sewer	
S104 Surface Water Vacuum Sewer	
S104 Combined Vacuum Sewer	
S104 Foul Vacuum Sewer	
Private Surface Water Vacuum Sewer	
Private Combined Vacuum Sewer	
Private Foul Vacuum Sewer	
Surface Water Siphon	
Combined Siphon	
Foul Siphon	
Private Surface Water Siphon	
Private Combined Siphon	
Private Foul Siphon	
S104 Surface Water Siphon	
S104 Combined Siphon	
S104 Foul Siphon	
Surface Water Unserved Pipe	
Combined Unserved Pipe	
Foul Unserved Pipe	
Disposal Pipe	
Service Pipe	
Surface Water Lateral Drain	
Combined Lateral Drain	
Foul Lateral Drain	
S104 Surface Water Lateral Drain	
S104 Combined Lateral Drain	
S104 Foul Lateral Drain	
Private Surface Water Lateral Drain	
Private Combined Lateral Drain	
Private Foul Lateral Drain	
Transferred Surface Water Lateral Drain	
Transferred Combined Lateral Drain	
Transferred Foul Lateral Drain	
Ancillary	
Balancing Lagoon	
Grease Trap	
Interceptor	
Screen	
Chamber	
Flushing Chamber	
Scalway	
Overflow	
Fitting	
Blind Shaft	
Facility Connector	
Head Node	
Lamp Hole	
Sewerage Air Valve	
Sewerage Chemical Injection Point	
Sewerage Hatch Box	
Sewerage Pressure Washout	
Vent Column	
Waste Water Outfall	
Control Valve	
Hydrocable	
Penstock	
Sewerage Isolation Valve	
Sewerage Non Return Valve	
Manhole Annotation	
Print 500m Line	

Severn Trent Water Limited
Asset Data Management
PO Box 5344
Coventry
CV3 9FT
Telephone: 0345 601 6616

SEWER RECORD

O/S Map Scale: 1:5,000
Date of Issue: 23-06-25

This map is centred upon:
X: 446606.51 **Y:** 298570.08

Disclaimer Statement:
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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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Sewer Node

Sewer Pipe Data

Reference	Cover Level	Invert Level Upstream	Invert Level Downstream	Purpose	Material	Pipe Shape	Max Size	Min Size	Gradient	Year Laid
SP46976902	120.2099	117.57	115.94	S	VC	C	150	<UNK>	52.38	31/12/1899 00:00:00
SP46987109	120.18	118.61	118.19	S	VC	C	225	<UNK>	29.79	31/12/1899 00:00:00
SP47981001	118.01	116.3	109.98	F	VC	C	225	<UNK>	11.63	31/12/1899 00:00:00
SP46988204	<UNK>	<UNK>	<UNK>	C	VC	C	100	<UNK>	<UNK>	31/01/2019 00:00:00
SP47980005	118.44	116.92	116.91	C	VC	C	225	<UNK>	608	31/12/1899 00:00:00
SP46987105	119.55	117.39	116.78	C	VC	C	225	<UNK>	92.16	31/12/1899 00:00:00
SP46977905	119.8659	118.55	117.86	S	VC	C	150	<UNK>	33.46	31/12/1899 00:00:00
SP46989208	117.0299	116.24	115.61	F	VC	C	150	<UNK>	6.73	31/12/1899 00:00:00
SP46986004	0	0	0	F	<UNK>	<UNK>	0	0	0	11/03/2010 00:00:00
SP46976903	120.0999	117.57	114.83	C	VC	C	225	<UNK>	35.81	31/12/1899 00:00:00
SP46979902	119.5899	118.56	112.42	C	VC	C	225	<UNK>	21.3	31/12/1899 00:00:00
SP46979901	119.8199	118.27	117.81	C	VC	C	225	<UNK>	68.2	31/12/1899 00:00:00
SP46988202	115.5599	113.96	113.68	C	VC	C	225	<UNK>	85.86	31/12/1899 00:00:00
SP46985102	118.44	117.79	<UNK>	C	VC	C	150	<UNK>	0	31/12/1899 00:00:00
SP46978906	49.49	47.74	47.583	F	U	U	150	<UNK>	114.39	05/11/2007 00:00:00
SP46977903	120.3	118.7	118.45	F	VC	C	225	<UNK>	49.48	31/12/1899 00:00:00
SP46972901	117.9199	114.27	114.01	C	VC	C	225	<UNK>	220.88	31/12/1899 00:00:00
SP47980101	119.267	118.04	117.767	F	VC	C	150	0	37.55	31/12/1899 00:00:00
SP46986001	121.18	118.57	117.6	C	VC	C	225	<UNK>	89.82	31/12/1899 00:00:00
SP46979903	49.0999	47.284	47.029	F	U	U	150	<UNK>	19.65	05/11/2007 00:00:00
SP46987108	119.5599	118.18	117.92	S	VC	C	225	<UNK>	6.54	31/12/1899 00:00:00
SP46971901	117.7799	114.66	114.28	C	VC	C	225	<UNK>	220.58	31/12/1899 00:00:00
SP47980002	118.1699	116.9	116.81	C	VC	C	225	<UNK>	499.33	31/12/1899 00:00:00
SP46985001	120.6999	119.18	118.64	C	VC	C	225	<UNK>	106.59	31/12/1899 00:00:00
SP47980007	119.5999	118.12	117.12	S	U	C	150	0	23.6	31/12/1899 00:00:00
SP47980003	<UNK>	<UNK>	116.36	F	VC	<UNK>	<UNK>	<UNK>	0	31/12/1899 00:00:00
SP46985002	0	0	0	F	<UNK>	<UNK>	0	0	0	11/03/2010 00:00:00
SP46988001	120.29	118.09	118.01	C	VC	C	225	<UNK>	579	31/12/1899 00:00:00
SP46987111	120.66	118.87	118.41	F	VC	C	<UNK>	<UNK>	39.78	31/12/1899 00:00:00
SP46989207	118.2799	115.92	115.41	F	VC	C	150	<UNK>	31.61	31/12/1899 00:00:00
SP46978904	119.289	117.11	114.34	C	VC	C	300	<UNK>	31.65	31/12/1899 00:00:00
SP46989253	0	0	0	C	U	U	0	0	0	31/12/1899 00:00:00
SP46987104	119.51	117.88	117.42	C	VC	C	225	<UNK>	15.2	31/12/1899 00:00:00
SP47980203	118.43	116.84	116.02	C	VC	C	150	<UNK>	20.73	31/12/1899 00:00:00
SP46989250	<UNK>	<UNK>	<UNK>	F	VC	C	150	<UNK>	0	31/12/1899 00:00:00
SP46985100	<UNK>	<UNK>	<UNK>	F	P	U	100	<UNK>	<UNK>	31/12/1899 00:00:00
SP46988151	<UNK>	<UNK>	<UNK>	F	VC	C	150	<UNK>	0	31/12/1899 00:00:00
SP46988301	114.91	113.88	113.83	C	VC	C	225	<UNK>	823.8	31/12/1899 00:00:00
SP46989204	118.3899	116.52	115.67	C	VC	C	150	<UNK>	21.21	31/12/1899 00:00:00
SP46979904	48.886	118.27	117.81	C	VC	C	225	0	53.26	31/12/1899 00:00:00
SP46978903	119.47	117.29	117.16	C	VC	C	225	<UNK>	156.92	31/12/1899 00:00:00

Sewer Node

Sewer Pipe Data

Reference	Cover Level	Invert Level Upstream	Invert Level Downstream	Purpose	Material	Pipe Shape	Max Size	Min Size	Gradient	Year Laid
SP46989203	117.6299	115.6	115.6	C	VC	C	225	<UNK>	0	31/12/1899 00:00:00
SP46988002	120.5899	118.57	118.15	C	VC	C	225	<UNK>	92.88	31/12/1899 00:00:00
SP47980006	118.25	0	0	C	<UNK>	<UNK>	0	0	0	31/12/1899 00:00:00
SP46974903	120.04	118.7	117.85	F	VC	C	225	<UNK>	24.82	31/12/1899 00:00:00
SP47980010	118.4869	117.12	117.066	S	U	C	225	0	140.2	31/12/1899 00:00:00
SP46989202	117.5199	112.01	111.57	C	VC	C	225	<UNK>	195.48	31/12/1899 00:00:00
SP46984103	119.26	118.24	117.01	C	VC	C	150	<UNK>	38.21	31/12/1899 00:00:00
SP46989252	0	0	0	C	U	U	0	0	0	31/12/1899 00:00:00
SP46977904	120.5299	118.66	117.62	S	VC	C	150	<UNK>	30.66	31/12/1899 00:00:00
SP47980009	127.9499	117.767	117.086	F	VC	C	150	0	35.26	31/12/1899 00:00:00
SP46977901	120.051	118.43	118.28	F	VC	C	225	<UNK>	68	31/12/1899 00:00:00
SP47980102	119.618	118.49	117.708	F	VC	C	<UNK>	<UNK>	26.02	31/12/1899 00:00:00
SP46987110	121.04	119.49	119.11	S	VC	C	225	<UNK>	98.97	31/12/1899 00:00:00
SP46988101	120.3	117.98	117.19	C	VC	C	225	<UNK>	114.49	31/12/1899 00:00:00
SP46974902	119.3899	117.81	115.82	F	VC	C	225	<UNK>	22.66	31/12/1899 00:00:00
SP46988203	116.54	113.68	113.31	C	VC	C	225	<UNK>	97.97	31/12/1899 00:00:00
SP46984201	118.73	118.33	118.24	C	VC	C	150	<UNK>	339.89	31/12/1899 00:00:00
SP46989201	116.83	113.66	113.31	F	VC	C	225	<UNK>	24.57	31/12/1899 00:00:00
SP46986101	119.54	118.01	117.71	C	VC	C	225	<UNK>	170.67	31/12/1899 00:00:00
SP46985101	119.43	117.41	117.21	C	VC	C	225	<UNK>	190	31/12/1899 00:00:00
SP47980004	<UNK>	<UNK>	117.1	C	<UNK>	<UNK>	<UNK>	<UNK>	0	31/12/1899 00:00:00
SP46982002	<UNK>	<UNK>	<UNK>	C	<UNK>	<UNK>	<UNK>	<UNK>	0	31/12/1899 00:00:00
SP46987103	119.75	117.49	117.41	C	VC	C	225	<UNK>	276.13	31/12/1899 00:00:00
SP46982001	<UNK>	<UNK>	114.68	C	<UNK>	<UNK>	<UNK>	<UNK>	0	31/12/1899 00:00:00
SP46983101	<UNK>	<UNK>	<UNK>	C	<UNK>	<UNK>	<UNK>	<UNK>	0	31/12/1899 00:00:00
SP46988102	119.29	116.73	114.14	C	VC	C	225	<UNK>	28.28	31/12/1899 00:00:00
SP46976901	119.79	118.25	115.6	F	VC	C	225	<UNK>	26.37	31/12/1899 00:00:00
SP46986151	<UNK>	<UNK>	<UNK>	F	VC	C	150	<UNK>	0	31/12/1899 00:00:00
SP46986102	119.7699	118.41	118.256	C	VC	C	225	<UNK>	177.86	31/12/1899 00:00:00
SP46987002	121.6299	119.89	119.47	C	VC	C	225	<UNK>	113.19	31/12/1899 00:00:00
SP46984102	118.9599	117.17	116.82	C	VC	C	225	<UNK>	160.23	31/12/1899 00:00:00
SP46989256	0	0	0	C	U	U	0	0	0	31/12/1899 00:00:00
SP46987107	120.62	119.05	118.65	S	VC	C	225	<UNK>	47.53	31/12/1899 00:00:00
SP46974904	117.97	116.26	113.53	F	VC	C	225	<UNK>	20.18	31/12/1899 00:00:00
SP46978908	49.2529	47.431	47.284	F	U	U	150	<UNK>	111.7	18/06/2010 00:00:00
SP46989001	119.23	117.44	116.94	C	VC	C	225	<UNK>	74.4	31/12/1899 00:00:00
SP46986002	121.65	119.51	118.62	C	VC	C	225	0	86.13	31/12/1899 00:00:00
SP46986005	0	0	0	F	VC	<UNK>	0	0	0	11/03/2010 00:00:00
SP47980001	118.5699	116.81	113.59	C	VC	C	225	<UNK>	44.2	31/12/1899 00:00:00
SP46989254	0	0	0	C	U	U	0	0	0	31/12/1899 00:00:00
SP46989206	119.3	117.51	115.99	F	VC	C	150	<UNK>	18.99	31/12/1899 00:00:00
SP46987106	120.04	118.4	117.96	F	VC	C	<UNK>	<UNK>	28.45	31/12/1899 00:00:00

Sewer Node

Sewer Pipe Data

Reference	Cover Level	Invert Level Upstream	Invert Level Downstream	Purpose	Material	Pipe Shape	Max Size	Min Size	Gradient	Year Laid
SP46977902	119.9599	117.81	117.58	S	VC	C	150	<UNK>	48.61	31/12/1899 00:00:00
SP46978905	120.593	118.6	<UNK>	C	VC	C	225	<UNK>	0	31/12/1899 00:00:00
SP46989209	116.7099	113.25	112.02	C	VC	C	225	<UNK>	58.19	31/12/1899 00:00:00
SP46986003	0	0	0	F	VC	<UNK>	0	0	0	11/03/2010 00:00:00
SP46987001	121.61	119.45	118.6	C	VC	C	225	<UNK>	129.93	31/12/1899 00:00:00
SP47980201	116.47	111.56	111.46	C	VC	C	225	<UNK>	361.2	31/12/1899 00:00:00
SP46978907	49.4539	47.583	47.431	F	U	U	150	<UNK>	115.13	05/11/2007 00:00:00
SP46977907	<UNK>	<UNK>	<UNK>	C	VC	C	225	<UNK>	0	31/12/1899 00:00:00
SP46978902	119.9199	117.78	117.32	C	VC	C	225	<UNK>	115.52	31/12/1899 00:00:00
SP46977906	119.8119	118.81	118.5	F	VC	C	150	<UNK>	97	31/12/1899 00:00:00
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SP47980103	119.9	118.7	118.12	S	U	C	150	0	20.16	31/12/1899 00:00:00
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SUPPLEMENTARY GUIDANCE NOTES **RELATING TO DISPOSAL OF** **SURFACE WATER**



Introduction

The purpose of this guidance note is to provide advice to applicants when completing the surface water drainage design for a new development, both for Greenfield and Brownfield sites. This does not affect foul drainage disposal which should be discussed with Severn Trent as early as possible to ensure additional flows can be accommodated without undue delay to the development.

Lead Local Flood Authority (LLFA) Consultation

Since April 2015, the LLFA have assumed the role of being a statutory consultee in the planning process for developments of 10 dwellings or more; or equivalent non-residential and/or mixed development. The LLFAs role is vital to ensure that surface water disposal on new development is adequately assessed so that the local planning authority can satisfy themselves that drainage proposals are satisfactory and to make sure, through the use of planning conditions or planning obligations, that there are clear arrangements in place for future maintenance of sustainable drainage systems (SuDS) over the lifetime of the development. This will also ensure surface water disposal aligns with local planning policies, flood risk strategies and national policies, such as the National Planning Policy Framework (NPPF).

It is strongly recommend that the LLFA are involved in early pre-application discussions when the development of a site is initially being considered. Pre-application discussions will help to ensure that SuDS are appropriately considered ahead of or as part of preliminary development layouts, and that they are fully integrated into the final development layout. Whilst Severn Trent are willing to advise on sewerage availability this does not negate the planning requirement relating to adequacy of SuDS on new development.

SuDS Hierarchy

Severn Trent is fully supportive of the fundamental SuDS principle that priority should be given to managing surface water as close to source as possible. In accordance with national standards and guidance a sequential series of checks should be undertaken to ensure the relevant SuDS features are being proposed whereby (in order of priority) rainwater re-use, infiltration to ground and controlled discharge to a water body are properly considered ahead of any controlled connection to a culverted watercourse/other drainage system or public surface water sewer.

A controlled connection to a public combined/foul sewer would only be considered under rare exceptional circumstances where all other options have been completely exhausted. Acceptance of surface water into a combined sewer is not only unsustainable because of the need to convey/treat rainwater but is also takes away existing capacity which could constraint the connection of foul flows on future development. It is also possible that connection of additional surface water flows will require capacity upgrades to the existing sewerage system which may delay development.

Connection to a Public Sewer

Whilst Severn Trent will be able to provide advice on potential public surface water sewer connection options, it is essential that a developer contacts the LLFA as early as possible to discuss surface water disposal as they will be able to provide guidance on surface water flood risk policy which may influence SuDS requirements. It is strongly recommended that LLFA discussions take place before contacting Severn Trent. Where the outcome of LLFA discussions concludes that a controlled discharge to the public sewerage system is the only viable option then Severn Trent would be pleased to discuss sewer connection options, satisfied that the LLFA have been consulted in line with their surface water management role and in their capacity as statutory consultee.

Evidence must be provided to demonstrate why the sequential SuDS checks have concluded that a connection to the public sewer is required. This must include a Site Investigation Report including percolation test data/graphs/calculations/results together with relevant correspondence with the LLFA.

Design Standards

Surface water disposal design should consider the interactions between the adoptable sewer design criteria based on a 30 year design storm (outlined in 'Sewers For Adoption') and the "Non-statutory technical standards for SuDS" requirement to restrict discharge from a site up to and including the 1 in 100 year critical storm event plus an allowance for climate change as required by the LLFA.

For Greenfield development, the peak runoff rate should never exceed the peak pre-development run-off rates/volumes for the same rainfall event irrespective of the design storm duration consistent with the national non-statutory technical standards. For developments which were previously developed (Brownfield), the peak runoff rate must be as close as reasonably practicable to the greenfield runoff rate from the development for the same rainfall event, but should never exceed the rate of discharge from the development prior to redevelopment again for the same rainfall event. This requirement to remove pre-development surface water discharges to the sewerage system will help remove capacity constraints and aid future development.

To establish the pre-development run-off rates a detailed existing drainage survey will be required indicating pipe locations including sizes and levels, impermeable area connectivity to each pipe and topographical information to support existing drainage assumptions. Photographs of the existing buildings and surface features should be provided and where necessary a CCTV sewer survey should be provided to support the drainage survey to demonstrate connectivity.

In line with 'Sewers for Adoption', the drainage system must be designed so that, unless an area is designated to hold and/or convey water as part of the design, flooding does not occur on any part of the site for a 1 in 30 year rainfall event. For higher storm return periods the drainage system must be designed so that, unless an area is designated to hold and/or convey water as part of the design, flooding does not occur during a 1 in 100 year rainfall event in any part of: a building (including a basement); or in any utility plant susceptible to water (e.g. pumping station, electricity substation, water booster station) within the development.

Small Developments

Whilst developments of fewer than 10 dwellings (or their equivalent) are excluded from the post April 2015 planning requirements the underlying principles regarding sustainable surface water management are still valid. The collective impacts of surface water discharges from smaller developments can have an adverse impact on flood risk, especially in smaller rural catchments where smaller sewerage systems are more susceptible to increases in surface water inflow. On small developments infiltration to ground and peak flow attenuation must be considered to mitigate flood risk in the community but where a sewer connection is envisaged then the developer is recommended to discuss surface water disposal options with Severn Trent as early as possible.

Contact

For further assistance please contact our Network Solutions team via:


network.solutions@severntrent.co.uk

Project Number: 25-0320
Project Title: Land West of Shilton Road, Earl Shilton
Location: Shilton Road, Earl Shilton, Leicestershire
BSP Document Ref: SRES-BSP-XX-XX-T-W-0001-P03_Flood_Risk_Assessment



Appendix E

Proposed Drainage Strategy Plan, Supporting Calculations & Maintenance Records

BSP Consulting		Page 1
12 Oxford Street Nottingham NG1 5BG	25-0320 Land West of Shilton Road, Earl Shilton (Parcel 1)	
Date 15/07/2025 File	Designed by TH Checked by MG	
Innovyze		
Source Control 2019.1		
<div>ICP SUDS Mean Annual Flood</div> <div>Input</div> <div>Return Period (years)1Soil0.450</div> <div>Area (ha) 5.700Urban0.000</div> <div>SAAR (mm)700Region NumberRegion 4</div> <div>Results1/s</div> <div>QBAR Rural 25.0</div> <div>QBAR Urban 25.0</div> <div>Q1 year 20.8</div> <div>Q1 year 20.8</div> <div>Q30 years 49.1</div> <div>Q100 years 64.4</div>		
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