



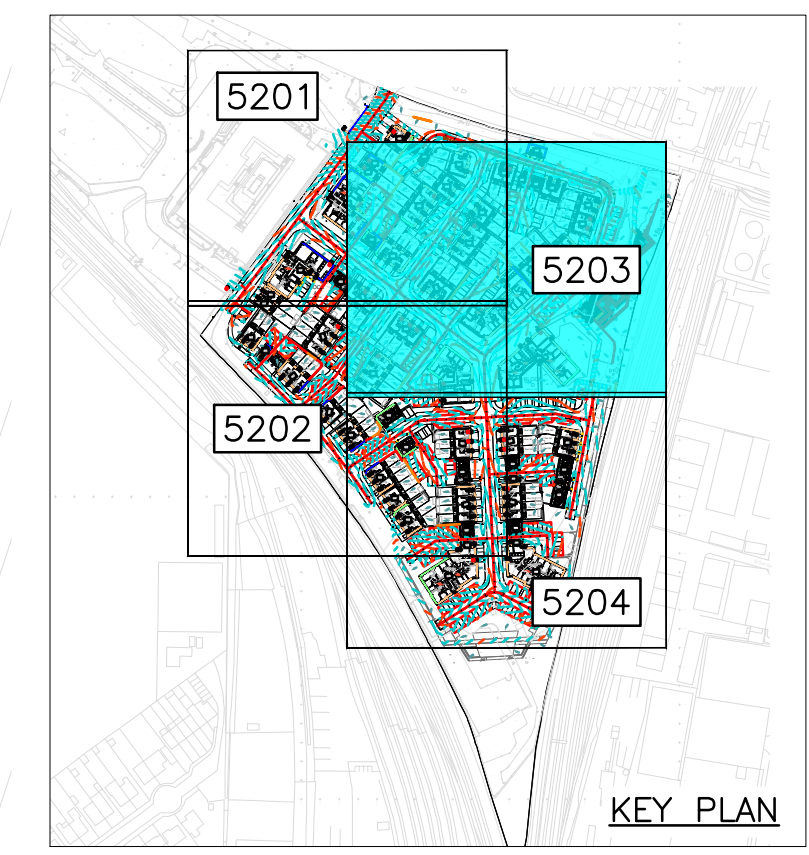
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 6. MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
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KEY TO HEALTH AND SAFETY SYMBOLS	
THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING	
	INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
	INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
	INDICATES A RESIDUAL RISK AS A WARNING
	INDICATES A RESIDUAL RISK FOR INFORMATION

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P02	31.01.2025	PRELIMINARY ISSUE FOR COMMENT	JH
P01	20.12.2024	PRELIMINARY ISSUE FOR COMMENT	JH
Rev.	Date	Description	By

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Client
MUSE
Architect
HGP ARCHITECTS
Project title
PHASE 3, NORVARTIS SITE, HORSHAM, WEST SUSSEX.

Drawing title
LEVELS OVERVIEW,
SHEET 3.

Scale	Paper size	Date	Drawn by	Checked by	Status
1:250	A1	DEC 2024	JH	CH	S3
Name					
Project code	Original	Functional	Spatial	Form	Number
17100	-AAL-	XX	XX	-D-C-	5203-P02

EXTERNAL WORKS LEGEND	
	PROPOSED FINISHED FLOOR LEVEL
	PROPOSED GENERAL FALL/GRADIENT
	PROPOSED CHAINAGE/LEVEL
	PROPOSED MINOR CONTOUR (100mm)
	PROPOSED MAJOR CONTOUR (500mm)
	RETAINING WALL (HEIGHT mm)
	GRAVEL BOARD (HEIGHT mm)
	RAISED DPC
	EXPOSED BRICKWORK / UNDERBUILD
	TANKED BRICKWORK / OVERBUILD
	BUILDING ACCESS UP (LEVEL, STEPS, RAMP)
	BUILDING ACCESS DOWN (LEVEL, STEPS, RAMP)
	EXISTING LEVEL



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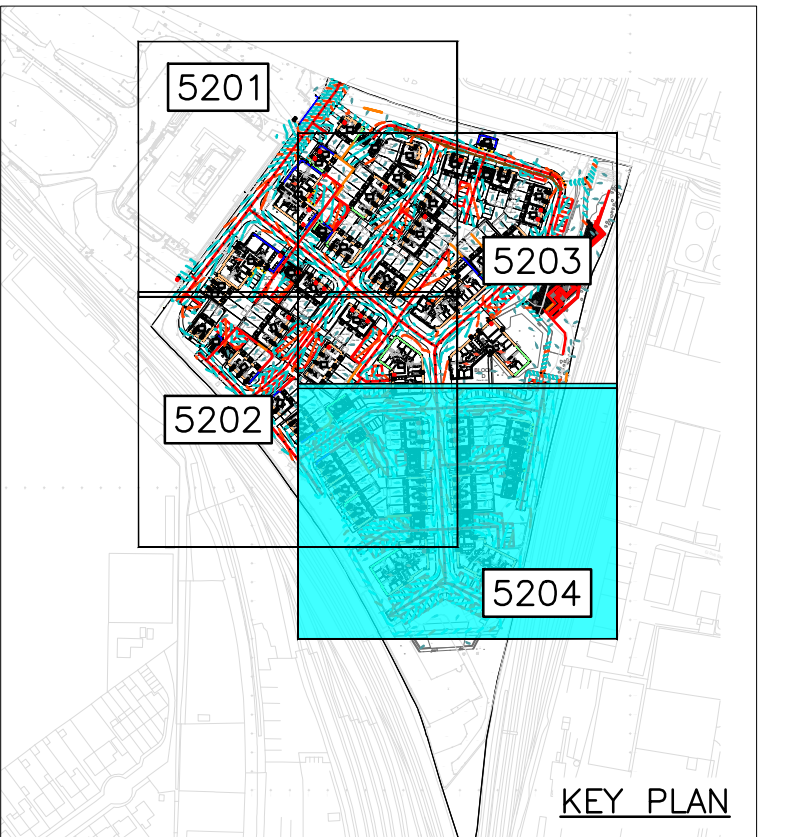
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EXTERNAL WORKS LEGEND

- FFL 65.475 PROPOSED FINISHED FLOOR LEVEL
- 1 in 39 PROPOSED GENERAL FALL/GRADIENT
- PROPOSED CHAINAGE/LEVEL
- PROPOSED MINOR CONTOUR (100mm)
- PROPOSED MAJOR CONTOUR (500mm)
- RETAINING WALL (HEIGHT mm)
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Name	Project code	Originator	Functional breakdown	Spatial breakdown	Form breakdown
	17100	-AAL	-XX	-XX	-D -C -5204-P02



APPENDIX 9

UK SUDS GREENFIELD RUNOFF RATE ESTIMATION

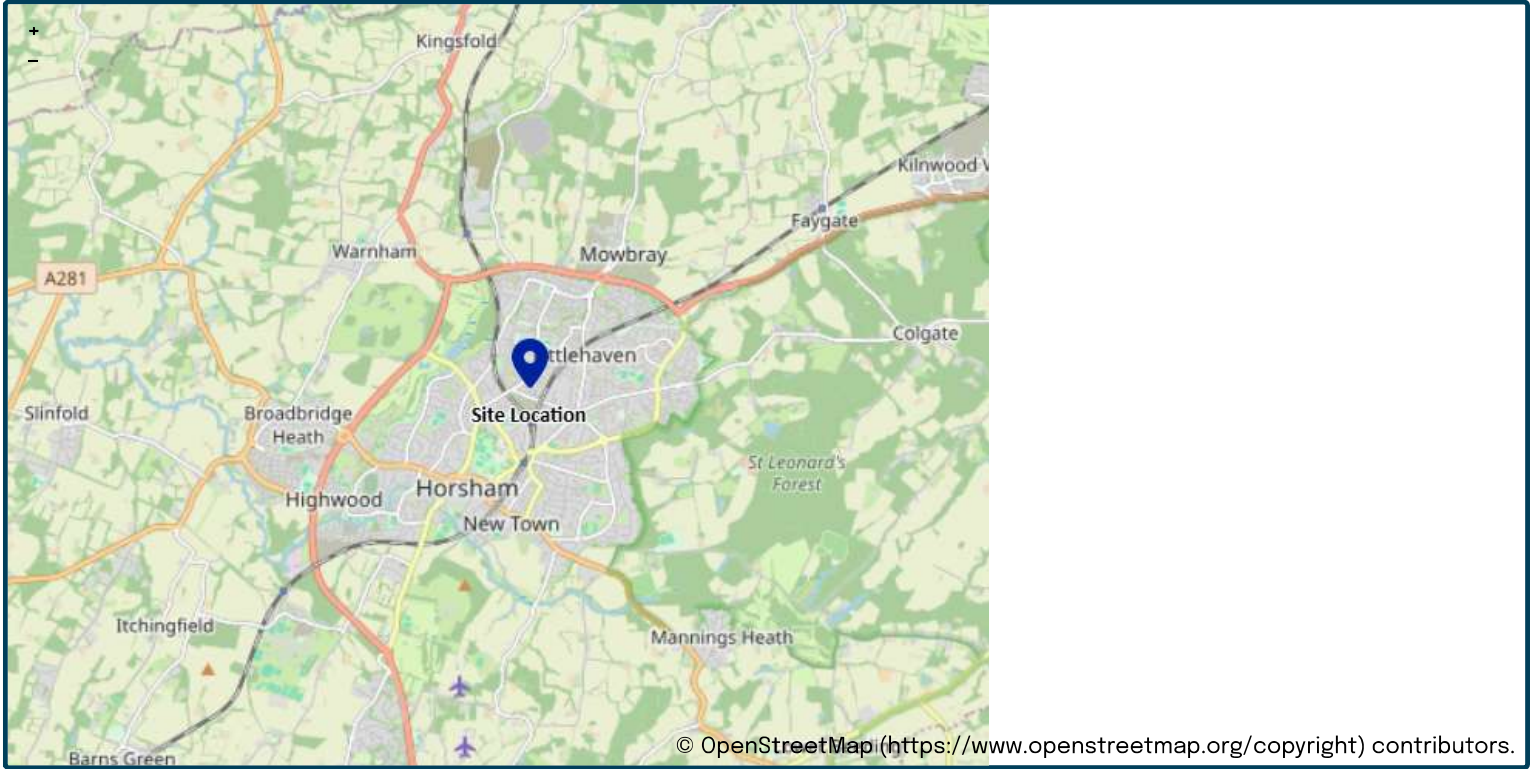
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015).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

Project details

Date	28/08/2025
Calculated by	Tommy Ashby
Reference	Novartis
Model version	2.1.2

Location

Site name	Novartis
Site location	Horsham



Site easting (British National Grid)	517960
Site northing (British National Grid)	131681

Site details

Total site area (ha)	7.52	ha
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Greenfield runoff

Method

Method	FEH statistical
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FEH statistical

	<u>My value</u>		<u>Map value</u>
SAAR (mm)	789	mm	789
BFIHOST	0.536		
QMed-QBar conversion	1.136		1.136
QMed (l/s)	26.61	l/s	
QBar (FEH statistical) (l/s)	30.23	l/s	

Growth curve factors

	<u>My value</u>		<u>Map value</u>
Hydrological region	7		7
1 year growth factor	0.85		
2 year growth factor	0.88		
10 year growth factor	1.62		
30 year growth factor	2.3		
100 year growth factor	3.19		
200 year growth factor	3.74		

Results

Method	FEH statistical	
Flow rate 1 year (l/s)	25.7	l/s
Flow rate 2 year (l/s)	26.6	l/s
Flow rate 10 years (l/s)	49.0	l/s
Flow rate 30 years (l/s)	69.5	l/s
Flow rate 100 years (l/s)	96.4	l/s
Flow rate 200 years (l/s)	113.1	l/s

Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent ‘zero’ figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

Disclaimer

This report was produced using the Greenfield runoff rate estimation tool (2.1.2) developed by HR Wallingford and available at uksuds.com (<https://www.uksuds.com/>). The use of this tool is subject to the UK SuDS terms and conditions and licence agreement, which can both be found at uksuds.com/terms-conditions (<https://www.uksuds.com/terms-conditions>). The outputs from this tool have been used to estimate 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, Centre for Ecology and Hydrology, Wallingford Hydrosolutions or any other organisation for the use of these data in the design or operational characteristics of any drainage scheme.