

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Legend

Site Boundary

FFL 6.100 Finished floor level

Surface water sewer and manhole

Surface water drain

Proposed road gully

Proposed Modular Storage

Detention Basin

Trench Soakaway

Enhanced Swale

Proposed Permeable Paving

Roadside Enhanced Swale 1 - modelled as a single entity (refer to calculations)

Roadside Enhanced Swale 2 - modelled as a single entity (refer to calculations)

Roadside Enhanced Swale 3 - modelled as a single entity (refer to calculations)

Roadside Enhanced Swale 4 - modelled as a single entity (refer to calculations)

Roadside Enhanced Swale 5 - modelled as a single entity (refer to calculations)

3.0m buffer zone to existing watercourse

NOTES:

- See drawing RSK PLN_1_4101 & 4103 for typical SuDS details.
- See drawing RSK PLN_1_4100 for details of the exceedance routes.
- This strategy is a hybrid solution, utilising infiltration where possible, with high level overflows connecting the SuDS features, with connectivity to the existing ordinary watercourse on the north western corner of the site.
- The connection to the existing watercourse will be limited to QBAR. The whole site has been counted towards this calculation as all gardens and POS have positive drainage features within them.
- All drainage features have been located at or above the peak ground water level, monitored during the winter period, as far as is practicable.
- Permeable paving to be installed for all drives and private parking areas.
- All proposed structures to be located a minimum of 3.0m from the top of bank to existing watercourse.

NOTE:
ANY DRAINAGE CONVEYANCE FEATURES THAT ENCR OACH IN TO THE PEAK GROUND WATER LEVEL SHALL BE SEALED TO PREVENT GROUNDWATER INGRESS.

NOTE:
LAND DRAINAGE TO BE PROVIDED IN REAR GARDENS AS ADDITIONAL MITIGATION AGAINST SHALLOW GROUNDWATER. EXTENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.

NOTE:
RAIN WATER PIPES (RWPS) TO BE CONNECTED INTO PERMEABLE PAVING SUB-BASE WHERE POSSIBLE.

NOTE:
ALL STORAGE FEATURES TO HAVE HIGH LEVEL OVERFLOWS OUT OF STRUCTURE INTO DOWNSTREAM FEATURE. IT MUST BE NOTED THAT PIPES & MANHOLES ARE NOT INCLUDED AS STORAGE IN THE CALCULATIONS.

L	29.10.2021	Drainage updated to latest planning layout and LFA comments. Private plot drainage added.	AM	SM	SM
K	24.08.2021	Drainage updated to latest planning layout and LFA comments.	AM	SM	SM
J	27.07.2021	Drainage updated to latest LFA comments.	AM	SM	SM
I	15.06.2021	Drainage updated to latest planning layout and LFA comments.	AM	SM	SM
H	11.05.2021	Drainage updated to latest planning layout and LFA comments.	AM	SM	SM
G	18.03.2021	Drainage updated to latest planning layout and LFA comments.	AM	SM	SM
F	12.02.2021	Drainage updated to calculations.	AM	SM	SM
E	26.01.2021	Pipe references removed for clarity.	AM	SM	SM
D	15.01.2021	Layout updated to reflect latest planning layout.	AM	SM	SM
C	16.11.2020	Revised to indicate hydraulic modelling pipe codes for information.	AM	SM	SM
B	23.10.2020	Revised take account of comments made by the LFA.	SM	SM	
A	14.08.2020	Preliminary Issue.	MFP	SM	
Rev.	Date	Amendment	Drawn	Chkd.	Appt.

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Client
BARRATT
BUILD around you

DAVID WILSON HOMES

Project Title
DROVE LANE, YAPTON

Status
PRELIMINARY

Drawing Title
SURFACE WATER DRAINAGE STRATEGY SHEET 5

Drawn Date
SM 01.07.2020

Scale
1:250

Project No.
133647

Drawing No.
PLN_1_4084

Scale 1:250
0 2.5 7.5 10 12.5m