

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.

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|  | Site Boundary |
|  | 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:

1. See drawing RSK PLN_1_4101 & 4103 for typical SuDS details.
2. See drawing RSK PLN_1_4100 for details of the exceedance routes.
3. 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.
4. 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.
5. All drainage features have been located at or above the peak ground water level, monitored during the winter period, as far as is practicable.
6. Permeable paving to be installed for all drives and private parking areas.
7. All proposed structures to be installed a minimum of 3.0m from the top of bank to existing watercourse.

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

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

NOTE:
RAIN WATER PIPES (RWP'S) 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.

G	18.03.2021	Drainage updated to latest planning layout and LFA comments.	AM	SM	S
F	12.02.2021	Drainage updated to calculations.	AM	SM	S
E	26.01.2021	Pipe references removed for clarity.	AM	SM	S
D	15.01.2021	Layout updated to reflect latest planning layout.	AM	SM	S
C	16.11.2020	Revised to indicate hydraulic modelling pipe codes and information.	AM	SM	S
B	23.10.2020	Revised take account of comments made by the LFA	SM	SM	S
A	14.08.2020	Preliminary issue.	MFP	SM	S
Rev.	Date	Amendment	Drawn	Check	Appr.



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Client **BARRATT**
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Project Title

DROVE LANE,
YAPTON

Status	PRELIMINARY
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Drawing Title

SURFACE WATER
DRAINAGE STRATEGY
SHEET 5

Drawn SM	Date 01.07.2020	Checked	Date	Approved	Date
Scale 1:250	Orig Size A0	Dimensions Metres			

Project No. 133647	Drawing File 133647-RSK-ZZ-XX-DR-C-3005-3006 Strategic Site Drainage.dwg
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Drawing No.	Rev.
PLN 1 4084	G

