

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
- S01 Surface water drain calculation references
- 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 ENCROACH 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.

| D    | 27.09.2021 | Updated to latest drainage layout. | AM    | SM    |       |
|------|------------|------------------------------------|-------|-------|-------|
| C    | 18.03.2021 | Updated to latest drainage layout. | MFP   | AM    |       |
| B    | 12.02.2021 | Updated to latest drainage layout. | MFP   | AM    |       |
| A    | 26.01.2021 | Preliminary Issue.                 | AM    | SM    |       |
| Rev. | Date       | Amendment                          | Drawn | Chkd. | Appr. |

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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  
PIPE REFERENCES**

|             |            |              |                                                   |            |        |
|-------------|------------|--------------|---------------------------------------------------|------------|--------|
| Drawn       | Date       | Checked      | Date                                              | Approved   | Date   |
| AM          | 25.01.2021 |              |                                                   |            |        |
| Scale       | 1:250      | Orig Size    | A0                                                | Dimensions | Metres |
| Project No. | 133647     | Drawing File | PLN_1_4079 - Surface Water Drainage Strategy Plan | References | Rev.   |
| Drawing No. | PLN_1_4079 |              |                                                   |            | D      |

Scale 1:250  
0 2.5 7.5 10 12.5m