GUILDFORD BOROUGH

**Validation Checklist to support Surface Water Drainage Strategy**

| Item | Description | Reference (To be completed by applicant) | Submitted (Tick as appropriate) |
|---|---|---|---|
| **1** | **Site Surveys** | | |
| | A topographical survey of the site, including cross-sections of any adjacent water courses for appropriate distance upstream and downstream of discharge point (as agreed with the LLFA) | | |
| | Details of the existing site layout, drainage system and catchment areas, if appropriate | | |
| | Details of the existing geology and hydrogeology (for sites with high groundwater table) | | |
| | Ground investigations, (including groundwater and contamination), and infiltration tests | | |
| | Surveys of any existing drainage systems or water bodies to which the SuDS may discharge | | |
| | | | |
| **2** | **Plans** | | |
| | A detailed site layout at an identified scale (with a North point) of the proposed drainage system with catchment areas | | |
| | Long and cross sections for the proposed drainage system including impermeable areas (at an identified scale) | | |
| | A plan for the management of construction to include; phasing and maintaining the system (including access arrangements, operational characteristics) and the details of any offsite works required, together with any necessary consents period and any impacts, such as diversions and erosion control. | | |
| | A health and safety plan, if appropriate, considering areas of open water and confined space entry | | |
| | Suitable construction details and details of connections (including flow control devices) to discharge points | | |
| | Landscape planting scheme if proposing vegetated drainage system | | |

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| | A maintenance plan setting out how to maintain the full drainage system following construction (such details to include maintenance agreement for the lifetime of the development) | | |
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| **3** | **Assessment** | | |
| | Full design calculations and design parameters to demonstrate conformity with the design criteria for the site | | |
| | An assessment demonstrating flooded areas for the 1 in 100 year storm when system is at capacity and demonstrating flow paths for design for exceedance | | |
| | Design criteria in relation to/from ground contamination, infiltration tests, ground water assessments and soil stability | | |
| | Any requirements for temporary drainage features or discharge points during construction (including details of pollution prevention measures) | | |
| | | | |
| **4** | **Supplementary Evidence** | | |
| | Confirmation of discharge location (proof of third party agreement if appropriate) | | |
| | Confirmation of discharge consent | | |
| | Discharge capacity analysis (where discharging into existing sewers) | | |
| | | | |
| **5** | **For Large Sites, to be constructed in phases** | | |
| | Site master plan | | |
| | Details of phasing and sequence options | | |
| | Confirmation of run-off destination | | |
| | Full details of responsibility for controlling the overall surface water management of the site prior to adoption | | |
| | Full details of individual development plot discharge and storage constraints | | |
| | Details for design, construction, maintenance and adoption of the regional and/or linking components of the drainage system | | |
| | Individual development plot / parcel parameters:<br>o Percentage of impermeable area<br>o Allowable discharge rate<br>o Point of discharge<br>o Min volume of on-plot attenuation<br>o Recommended suite of SuDS techniques to be used | | |
| | Temporary or interim drainage measures required to manage and mitigate flood risk | | |