SUSTAINABLE DRAINAGE - OUTLINE DRAINAGE DESIGN

CHECKLIST 1

The following checklists should be completed by the applicant in order to demonstrate the necessary information has been supplied in order to assess the suitability of the proposed sustainable drainage system.

CHECKLIST FOR SUBMISSION- Outline Drainage Design		
Ref.	**Detail required**	**Supplied Y/N**
1.	Demonstrate an understanding of the natural drainage characteristics within and adjoining the site.	
2.	Provide an outline assessment of existing geology, ground conditions and permeability through desk-based research e.g. a review of geology maps and catchment information and site visit observations. Infiltration tests should be carried out at this stage wherever possible.	
3.	Prepare a Conceptual Drainage Plan to show the above together with: a) The proposed 'management train' b) Location and type of source control c) Site controls with storage locations d) Conveyance and exceedence routes e) The destination of runoff.	
4.	Provide a Conceptual SuDS Design Statement describing: a) The SuDS Design Criteria applicable to the site b) Reasoning for inclusion of the selection of SuDS features c) Indicative runoff rate calculations and attenuation volumes for the lifetime of the development d) Integration with landscape design	

4. (Cont'd)	e) Any phasing plan for the development f) Management of health and safety risks g) Initial thoughts on how the site will be maintained h) Explanation of land use decision and how they impact drainage i) Relationship with sustainability standards in buildings j) Preferred point of connection. k) Proposed method of flow control l) Information regarding the proposed number of treatment stages to be applied to each element of the site m) Demonstration that surface water/groundwater entering the development from adjacent land has been taken into account.	

The following applications are not considered to have a significant impact on the sites surface water drainage Therefore the Lead Local Flood Authority will not be providing bespoke comments unless the site sits within a Critical Drainage Area (CDA), as defined in the Surface Water Management Plans (SWMPs).

- **Minerals extraction**
- **Greenfield development that doesn't increase impermeable land by more than 0.5ha**
- **Brownfield development that doesn't increase the impermeable land by more than 0.1ha**