Appendix E

Suds Information Sheets

APPENDIX E

SUDS INFORMATION SHEETS

Permeable Pavements

Filter Drains

Infiltration Trenches & Soak-aways

Bio-retention

Oil Interceptors

Small Scale SuDS for Individual Buildings

Swales

Detention Basins

Retention Ponds

Stormwater Wetlands

Overview of Key Elements of SuDS Development

- Examination of the current and historical drainage patterns;
- A concept drawing of the development proposal;
- A brief summary of how the drainage design provides SuDS techniques in accordance with the requirements;
- Summary of SuDS to be incorporated;
- The soil classification of the site;
- Evidence of the subsoil porosity, where appropriate;
- Calculations showing pre- and post – development peak runoff flow rate for the critical rainfall event;
- Attenuation designed for a 10 year return period rainfall event;
- Confirmation of maintenance responsibility.
- Additional requirements which may be specified include:
- A drainage plan identifying the type(s) of SuDS to be incorporated and SuDS land take including land take including temporary or sacrificial SUDS for dealing with construction runoff;
- Take into account future development;
- A description of the design of safety measures to render SuDS acceptably safe;
- Assessment of flood risk including consideration of flow route for 50 and 200 year return period rainfall events showing no detriment to land or property as a result of overland flow;
- Calculation of the treatment volume and required multiples thereof and demonstration that the level of treatment and available treatment volume in the SuDS is adequate;
- Additional level of treatment for discharge to fisheries, bathing or conservation areas;
- A method statement detailing how contaminated water arising during construction will be dealt with;
- Proposals for integrating the drainage system into the landscape or public open space;
- Survey of existing habitats and species;
- Demonstration of good ecological practice including habitat enhancement.