



## **SuDS Maintenance Regime for Parcel B3 off Camp Road, Upper Heyford October 2017**

### **Stormwater Maintenance Regime**

This Maintenance Regime defines the scope of inspections and maintenance that are to be carried out on surface water drainage elements such as pipes, manholes/catchpits, flow controls, storage crates, ponds, permeable paving and headwalls.

This plan provides a methodology for maintaining the above and includes:

- Guidance on the scope of inspection and maintenance requirements, including suitable personnel and frequency of inspections.
- Guidance on recommended actions that arise from the inspections.

### **Scope of Inspections and Maintenance**

#### **- Type of Inspections**

During and following construction, regular inspections are required in order to assess their performance and to schedule any required maintenance.

Inspections are divided into two categories:

- Routine Inspections for Maintenance – which are to be carried out by any responsible person (with no professional engineering knowledge).
- Engineering Inspections for Maintenance – which are to be carried out by professional/qualified civil engineering personnel.

Item	Routine Inspections				Engineering Inspections	Renewal & Replacement Works
	Inspection	Min. Frequency	Action	Min. Frequency	Inspections & Action over the life of the development	
Pipes / Manholes / Catchpits	<p>Inspect surface access points to underground storage crates, manholes and catchpits as well as the surrounding area. Particular attention should be paid to damage or blockage.</p> <p>To be visually inspected after heavy rainfall events to ensure they are free of debris and litter.</p>	<p>6 monthly</p> <p>As required</p>	Clear accumulated sediment and debris	6 monthly	<p>All manholes/catchpits will require to be inspected externally and internally.</p> <p>External inspections will determine the overall condition of the access points, and should record deterioration of exposed concrete, access lids, restricted access due to overgrown vegetation/debris.</p>	
Storage Crates	<p>Inspect storage crates via upstream/downstream manholes for silt/debris build-up and general condition.</p> <p>To be visually inspected after heavy rainfall events to ensure they are free of debris and litter.</p>	<p>6 monthly</p> <p>As required</p>	Clear accumulated sedimentation via jetting & CCTV	As required	<p>Inspections via inspection chambers/accesses and upstream/downstream manholes will determine the overall condition of the storage crates to ensure they are free from silt/debris build-up and should record any defects/deterioration.</p>	<p>50 year design life</p> <p>Crates to be replaced by a competent Contractor to the manufacturers specification</p>
Permeable Pavement	<p>Inspect catchpit/silt traps for silt build-up, blockages, damage and general condition</p> <p>To be visually inspected after heavy rainfall events to ensure organic matter hasn't settled on the surface.</p>	<p>6 monthly</p> <p>As required</p>	<p>Surface to be brushed/vacuumed to prevent vegetation from growing in the joints.</p> <p>Outfall and catchpit/silt traps to be inspected and cleared of sedimentation</p> <p>Weeding of joints through use of approved weed killers</p>	<p>6 monthly (Spring &amp; Autumn)</p> <p>6 monthly</p> <p>As required when weeds are actively growing</p>	<p>Inspections will determine the overall condition of the permeable pavement and associated catchpit/silt traps to ensure they are free from silt build-up and it is working efficiently and effectively.</p>	<p>When water starts to run-off the pavement:</p> <ul style="list-style-type: none"> <li>- Remove a suitable block along the perimeter or one with a larger joint width surround it to</li> <li>- Remove the remaining blocks and stack neatly nearby</li> <li>- Remove the laying course and aggregate onto suitable membranes to be stockpiled</li> <li>- Wash the aggregate and/or replace if necessary</li> <li>- Relay the aggregate, laying course and block paving to the manufacturers specification</li> </ul>