



SuDS Maintenance Regime for Phase 7a off Camp Road, Upper Heyford March 2018

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> | <p>Clear accumulated sediment and debris</p> | <p>6 monthly</p> | <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> | |
| Flow Control Device | <p>Inspect flow control devices for blockages, damage 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> | <p>Clear accumulated sedimentation</p> <p>Repair/replace damaged pit covers and grates</p> | <p>6 monthly</p> <p>As required</p> | <p>Inspections will determine the overall condition of the flow control device to ensure it is working efficiently and effectively.</p> | <p>Flow control to be replaced by a competent Contractor to the manufacturers specification</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> | <p>Clear accumulated sedimentation via jetting & CCTV</p> | <p>As required</p> | <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> |