FAIRHURST

**Southview Road, Trowbridge – Drainage Maintenance Plan**

This document has been prepared in order to provide a schedule of maintenance tasks for the drainage on the site located on Southview Road, Trowbridge, along with a suggested frequency of this maintenance. The drainage on site consists of traditional drainage to take runoff from the roof of the property, a channel drain to pick up runoff from the driveway, and a geocellular attenuation tank beneath the garden in order to restrict flows to the rate agreed with Wessex Water of 1l/s. Access into the system is provided through inspection chambers at every change in direction, gradient, and pipe size; and in addition a series of polystorm inspect units are to be placed within the geocellular attenuation which will allow for inspection and jetting of the tank from the downstream manhole.

**Cellular attenuation**

| Maintenance Frequency | Action Required | Maintenance Frequency |
|---|---|---|
| Regular Maintenance | Inspect/identify areas not operating correctly and take remedial action | 3 months initially, every 6 months for next year, then as required. |
| | Inspect structure as specified by manufacturer | Monthly or as required |
| | Inspect and remove debris from inlet structure (catchpit) | Monthly or as required |
| | Check inlets and outlets | Annually or as required |
| Occasional Maintenance | Jetting and suction where silt has settled in structure | As required |
| Remedial Works | Full replacement of the structure if permanently silted or structural failure | As required |
| Following all significant event | Inspect and carry out essential recovery works to return feature to full working order | As required |

**Flow Control Chamber**

| Maintenance Frequency | Action Required | Maintenance Frequency |
|---|---|---|
| Regular / Occasional Maintenance | Inspect and identify any areas within the flow control are operating correctly | Monthly or as required |
| | Remove sediment build up within chamber | Monthly or as required |
| | Review manufacturer specification for additional maintenance requirements | Monthly or as required |
| Remedial Works | Blockages of structure- attempt to jet out however consider replacing unit if this does not work | As required |
| Following all significant events | Inspect and carry out essential maintenance works as required to return feature to full working order | As required |

## Underground Drainage and Chambers

| Maintenance Frequency | Action Required | Maintenance Frequency |
|---|---|---|
| Regular Maintenance | Cleaning gutters and any filters on downpipe | Every 6 months or as required |
| | Remove sediment, debris etc. from manhole chambers, catchpits and inspection chambers | Annually or as required |
| Occasional Maintenance | CCTV Survey to check pipe alignment, cracks, joint displacements and root ingress for repair | Every 10 years |
| Remedial Works | Full replacement of the structure if permanently silted or structural failure | As required |
| Ad-hoc | If blockage/flooding reported utilise jetting/rodding practices to remove obstruction within 24 hours of report. | As required |
| Following all significant events | Inspect and carry out essential maintenance works to return feature to full working order | As required |

## Road Gullies/Channel Drains

| Maintenance Frequency | Action Required | Maintenance Frequency |
|---|---|---|
| Regular Maintenance | Litter removal/debris removal | Every 6 month or as required |
| | Removal of leaves in autumn | Annually |
| | Inspect and remove debris from gully | Annually or more frequently as required depending on location |
| | Check gully grating for damage and replace as required | Annually |
| Occasional Maintenance | Jetting/suction to clear debris within gully and adjacent pipework | As required |
| Remedial Works | Full replacement of the structure if permanently silted or structural failure | As required |
| Ad-hoc | If blockage/flooding reported utilise jetting/rodding practices to remove obstruction within 24 hours of report. | As required |
| Following all significant events | Inspect and carry out essential maintenance works to return feature to full working order | As required |