MANAGEMENT AND MAINTENANCE PLAN

Based on Chapter 32 on the CIRIA report C753 The SuDS Manual and manufacturer recommendations a maintenance strategy has been outlined. The responsibility for maintenance will lie with the Facilities management.

System	Maintenance Type	Action	Frequency
General Drainage Systems: -Surface water drainage -Surface water Manhole -Gully -Channel drain outlet -Sprinkler tank drain down position -Rainwater pipe connection	Routine Maintenance	Remove debris from catchment surface – any debris entering system may cause risks to performance.	Monthly or as required by inspection.
		Inspect sediment and silt accumulation rates.	Six monthly.
		Clearing of catchpits.	Annually or as required by inspection.
		Clearing of drainage channels, gullies and their outlets.	Annually or as required by inspection.
	Remedial Actions	Repair pipework and manholes.	As required from inspection.
	Monitoring	CCTV survey of drainage system in full.	As required by inspection

Table 5.1 Maintenance frequency: General Drainage Systems

System	Maintenance Type	Action	Frequency
Wavin: Aquacell Attenuation Tank *Manufacturers O&M manual maintenance requirements are to take precedent to this document	Routine maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial actions.	Monthly for 3 months then annually.
		Remove debris from the catchment surface ie the service yard and associated hardstanding areas.	Monthly
		Removal of Litter and Debris. Inspect chambers provided each end of tank for sediment, silt, oil and grease levels.	Six monthly and after every major storm event.
		Access manhole for catchpit, provided each end of attenuation tank and remove sediment / silt.	As required based on inspection or following significant spill.
	Monitoring	Inspect for evidence of poor operation.	Six monthly and after every major storm event.
		Inspect sediment and silt accumulation rates and establish appropriate replacement frequencies based on usage and observations.	Monthly during initial use until a robust replacement regime can be established.

Table 5.2 Maintenance frequency: Attenuation Tanks

System	Maintenance Type	Action	Frequency
Hydrodynamic Separator *Manufacturers O&M manual maintenance requirements are to take precedent to this document	Routine maintenance	Removal of Litter and Debris and inspect for sediment, silt, oil and grease levels.	Six monthly or as required by inspection.
		Change Filter Media.	As recommended by Manufacturer.
		Remove sediment, silt, oil and grease.	As required based on inspection or following significant spill.
	Remedial Actions	Replacement of parts and/or units.	As required by inspection.
	Monitoring	Inspect for evidence of poor operation.	Six monthly.
		Inspect filter media and establish appropriate replacement frequencies based on usage and observations.	Six monthly.
		Inspect sediment and silt accumulation rates and establish appropriate replacement frequencies based on usage and observations.	Monthly during initial use until a robust replacement regime can be established.

Table 5.3 Maintenance frequency: Separators