ADEPT
CIVIL AND STRUCTURAL CONSULTING ENGINEERS

Drainage Asset Maintenance Schedule

Surface Foul

Maintenance Activity	Drainage Component	Required Action	Typical Frequency
Visual Inspection	Gully Sump unit Catch pit / silt trap Attenuation structures Channel drain Outlet chamber Flow control chamber Swale Soakaway Pond and wetland Bioretention	Inspect for sediment and debris Inspect inlets and outlets for blockage (where applicable)	Monthly for first year and twice yearly thereafter, after severe storm
	Pipework		Twice yearly
	Full retention interceptor Bypass interceptor Forecourt interceptor		Twice yearly or after severe storm as a minimum, refer to manufacturer guidance. Forecourt interceptor requires emptying after fuel spillage
Monitoring	Attenuation structures	Check attenuation inspection points to ensure emptying is occurring (little to no water should be present after consecutive days of dry weather)	Twice yearly, once after heavy rainfall and once after consecutive dry weather
	Soakaway	Check to ensure emptying is occurring	Annually
	Bioretention	Check operation of underdrains by inspection of flows after rain	Annually
Litter and Debris Removal	Pond and wetland Manhole Pervious paving Swale Soakaway Bioretention	Remove all litter and debris	Twice yearly or after severe storm

Litter and Debris Removal - Continued	All sump units (gullies, channel drains and catch pits) Access chambers and pre-treatment devices Flow control chamber Gutters & leaf guards		Twice yearly (spring, start of winter), or as required
Grass Cutting	Pond and wetland Swale	Grass should be cut to retain grass height within specified design range (typically 75-150mm)	Monthly (during growing season), or as required
Jet Wash	Pipework Attenuation structures	High pressure jet-wash any pipe work which has silt accumulation. Care must be taken that any silts within the pipework are not unnecessarily flushed into the attenuation structures (use of bungs and jet-vac of chamber prior to removal of bungs) High pressure jet-wash all perforated pipework and or access points. All water to be jet vac to remove any suspended silts within the water	Twice yearly, or as required Five yearly, or as required
Sweeping	Pervious paving	Pervious surfaces need to be regularly cleaned of silt and sediment to preserve their infiltration capacity	Yearly, often less where inspections indicate that it is not required
Silt and Rubber Cleaning	Pervious paving	Jet wash if visible signs of silt and rubber build up. Further maintenance options include locally removing block and geotextile, removing the silt/rubber and replacing as before	Paving to be inspected every spring (when dry)
Repair/Reinstate – Remedial Actions	Soakaway Bioretention	Remove and reconstruct soakaway and/or replace or clean void fill if performance deteriorates or failure occurs Infill any holes in or remove and replace filter medium	As required As required
Vegetation Management	Pond and wetland	Build-up of dead vegetation from previous seasons should be removed to reduce organic silt accumulation	Convenient intervals e.g., every three years at the end of landscape contract periods

			Emergent vegetation may need to be harvested to maintain flood volumes	Every two – ten years, or as required
		Bioretention	Assess plants for disease infection, poor growth, invasive species etc., and replace as necessary.	Quarterly inspection, replacement as required
	Sediment Management and Removal	ALL SUDS	Sediment accumulation should be monitored as part of the inspection regime, rate of sediment accumulation noted	Appropriate frequencies determined upon inspection
	Inspection	Pipework Manhole	Check if functioning correctly	Once site is fully operational: twice yearly for 1st year, annually after
		Pumping station/rising main	Impellers will need inspecting and cleaning as required – refer to manufacturer guidance	Refer to manufacturer guidance
		Grease trap	Monthly inspection with removal of grease as required	Monthly
	Sediment Removal	Washdown separator	Inspect for build up of sediment and remove as required. Refer to manufacturer guidance	Quarterly for 1st year, twice yearly after. Refer to manufacturer guidance

Additional notes:

- Any defects (broken/misaligned pipes, root infestation, damage to soakaways, missing parts, etc.) that are identified during inspections/maintenance should be reported back to the property/site owner so that remedial actions can be undertaken promptly to repair these defects.
- SuDS maintenance based on CIRIA 2015 chapter 32 where further information can also be found.
- Refer to manufacturer guidance for maintenance schedules of all proprietary treatment systems.