

North Hulme SEN School – Management and Maintenance of Proposed Drainage

The regular management and maintenance of surface water drainage systems is essential to ensure that the system always operates at its maximum efficiency. The maintenance schedule below, taken from CIRIA document C753 outlines the required programme of maintenance for the attenuation tank which will be incorporated into the maintenance strategy for the development. There are no product specific maintenance requirements stipulated by the manufacturers.

TABLE 21.3 Operation and maintenance requirements for attenuation storage tanks			
Maintenance schedule	Required action	Typical frequency	
Regular maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action	Monthly for 3 months, then annually	
	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly	
	For systems where rainfall infiltrates into the tank from above, check surface of filter for blockage by sediment, algae or other matter; remove and replace surface infiltration medium as necessary.	Annually	
	Remove sediment from pre-treatment structures and/or internal forebays	Annually, or as required	
Remedial actions	Repair/rehabilitate inlets, outlet, overflows and vents	As required	
Monitoring	Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed	Annually	
	Survey inside of tank for sediment build-up and remove if necessary	Every 5 years or as required	

Silt is prevented from entering the drainage system by the use of trapped gullies, channels with silt traps and by the use of Sustainable Drainage techniques.

Operation and maintenance requirements for channels, gullies, pipes, manholes and flow controls		
Maintenance Schedule	Required Action	Typical frequency
Regular Maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action	Monthly for 3 months, then annually
	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
Remedial Actions	Repair/rehabilitate all inlets and outlets to ensure they are in good condition and operating as designed.	Annually
	Remove sediment from any gullies or channels.	Every 6 months or as required
Monitoring	Inspect/check all inlets, outlets and flow control devices to ensure they are in good condition and operating as designed.	Annually
	Survey all drainage pipework and manholes for sediment build-up and remove if necessary.	Every 5 years or as required

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The long-term maintenance of the new private drainage infrastructure will be the responsibility of the School and included within the OM Manual. There will be a site management health and safety document prepared in respect of the final development. This will include the required maintenance regimes above for all on-site drains and drainage facilities such as the channels, gullies, pipes, manholes and all SUDS facilities.