

23005 - Drainage Maintenance Schedule

A sustainable drainage system with attenuation is to be installed at the site, in accordance with local authority requirements.

This has necessitated the installation of SuDS porous paving and which will be maintained by the developer, Maximum Construction.

Areas of weed growth should be removed or managed safely using an appropriate herbicide applied into the weeds rather than sprayed, as required. Any areas of soft landscaping which, through vegetation maintenance or soil slip, have been raised to within 50mm of the paving level should be remediated, as required.

The general operation and maintenance requirements for SuDS porous pavings as reflected in the CiRIA C753 Manual are shown below:

TABLE 20.15 Operation and maintenance requirements for pervious pavements

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and mow contributing and adjacent areas	As required
	Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required – once per year on less frequently used pavements
Remedial Actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving	As required
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth – if required, take remedial action	Three-monthly, 48 h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually

It is recommended that following installation a monitoring regime is carried out to establish if any more frequent maintenance is required, than has been described above.

Then once every three months after installation or within 48 hours after any large storms within the first six months following installation, inspect for evidence of poor operation. If required, take remedial action as noted above.

Annually, inspect silt accumulation rates to establish appropriate brushing frequencies and monitor the inspection chambers.

Manholes and catchpits including all inlets, outlets and overflows should be inspected every 6 months to ensure that they are in good condition and operating as designed and cleaned or unblocked if necessary.

Any debris on the surface of the catchment should be removed monthly, or as required, to avoid causing risks to performance. Similarly, any sediment seen to be within pre-treatment structures should be removed, annually or as required.

Entry into any manholes, underground drawpits, etc, should only be undertaken by persons fully trained by a recognised company, and hold the relevant certification with regard to being able to work in confined spaces.

Cleaning chemicals or compounds should be used in line with the manufacturer's instructions and then only by operatives trained to use such products. Method statements should be provided by any companies or persons intending to carry out such maintenance works as described above.

The developer (Maximum Construction) will be the Maintenance Organisation responsible for maintaining the non-adopted SUDS apparatus on site.

The contact details for Maximum Construction are:

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Thames Water will be responsible for maintenance of all other drainage which is not under private ownership.

Thames Water contact details are:

Tel: Flooding Emergency Out of Hours– **0800 316 9800**