

Drainage Maintenance & Management Statement

Land East of Hurst Wickham Barn, College Lane, Hurstpierpoint

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1 Introduction, Ownership & Maintenance Responsibilities

This Plan sets out the framework for the maintenance of the sustainable drainage system (SuDS). This should be read in conjunction with the Drainage Design Layout prepared by GTA Civils & Transport Ltd.

Responsibility for the maintenance of the drainage system will remain with the land owner/freeholder (Applicant and successors in title).

The following sections show schedules detailing the maintenance requirements for each of the main drainage features. The land owner will undertake the inspections and maintenance activities in accordance with these schedules.

Additional reference has been made to currently established best practice and guidance documents such as The SuDS Manual (CIRIA C753, 2015) and other resources available at the susdrain website (www.susdrain.org).

This Plan is to be a live document. The frequency of maintenance intervals may need to be increased or decreased based on the observed performance of the drainage systems over time. Changes are to be agreed with the drainage authority (LFA) and recorded and dated in the Plan.

Important safety information is set out in the next section.

2 Health and Safety

All those responsible for and involved in the maintenance of the site drainage systems should be safety-conscious and comply with the relevant health and safety legislation. This includes:

- The Health and Safety at Work etc Act 1974
- The Management of Health and Safety at Work Regulations 1999
- The Workplace (Health, Safety and Welfare) Regulations 1992

The land owner is responsible for suitable risk assessment and management to ensure safe working conditions and practices.

Specialist contractors used should work to industry guidelines and be able to demonstrate safe working practices.

Employers have a duty to employees to inform them about the risks of their work environment and to decrease the risk as far as reasonably practicable. Appropriate

personal protective equipment (PPE) should be provided and practices/policies implemented based on risk assessments.

Operatives should be trained for working near water. Risks of contaminated water should be considered. Checking for open cuts and using nitrile gloves, waterproof plasters etc is advised.

Entry of pipes, chambers and culverts should be avoided. Work should be carried out from the surface using appropriate equipment. In the event that entry cannot be avoided to perform a critical task, the required safety training, protection measures and precautions must be implemented prior to entry. Lone working should never be attempted.

For further information refer to Section 36 of The SuDS Manual (CIRIA C753).

3 Schedule A – Sewers & Manholes

Regular inspection and maintenance are required to ensure the effective long-term operation of private drains, manholes, gullies & channel drains.

Post Completion: a CCTV survey to be carried out on all new and retained existing drainage systems and any downstream receiving systems, prior to connection with adopted sewers.

The survey report will be used to prove the integrity of the as-built drainage system prior to issue of practical completion certificate and will be handed over to the Client & Management Company for future reference.

Operation and maintenance requirements for all sewers, manholes, gullies and channel drains are described in the following table:

Schedule	Action	Frequency
Regular Maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action	6 Monthly intervals
	Common yard & car park & other hard standing areas to be swept clear of debris, to prevent possibility of blockages to the receiving drainage systems	Monthly
	Debris removal from gullies & channel drains (where may cause risks to performance)	Monthly intervals, after autumn leaf fall, or as required

	Lift and inspect receiving manholes to check for any blockages	based on specific observations Monthly
Remedial Actions	Repair any damaged gully or channel drain gratings. Replace / fix any loose channel drain covers	As required As required
Monitoring	Carry out full CCTV survey to confirm ongoing integrity of all drains. Inspect all gullies and silt pits & drainage channels during the survey	10-yearly intervals

Where appropriate refer also to specialist drainage manufacturer's information and maintenance requirements.

In all instances, inspection and cleaning should be carried out only by a specialist contractor and in accordance with the guidelines given in 'Safe Working in Sewers and at Sewage Works' published by National Joint Health and Safety Committee for the Water Services. Further information on safety is set out in Section 3.

4 Schedule B - Permeable Paving

Regular inspection and maintenance is important for the effective operation of pervious pavements.

Prior to occupation of the house the porous paving should be inspected for clogging, litter, weeds and water ponding and all failures should be rectified. Thereafter, the facility should be inspected regularly, preferably during and after heavy rainfall to check effective operation and to identify any areas of ponding.

Pervious surfaces need to be regularly cleaned of silt and other sediments to preserve their infiltration capability. Manufacturers' recommendations should always be followed.

The gravel grids are to be inspected and gravel replaced / screened as necessary, annually.

Permeable paving maintenance and monitoring requirements

Schedule	Action	Frequency
Regular Maintenance	Inspect / screen / replace gravel to ensure silt is removed	Annually
Occasional Maintenance	Stabilise and mow contributing and adjacent areas. Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required
Monitoring	Initial Inspection Inspect for evidence of weed growth Inspect silt accumulation rates	Monthly for 3 months after installation 3 monthly & 48hrs. after large storms Annually

5 Schedule C - Cellular Soakaways

Inspection Frequency and Maintenance Requirements: as per table below:

Schedule	Action	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 structure from above, check surface of filter for blockage by sediment, algae or other matter	Annually
	Remove and replace surface infiltration medium as necessary	Annually, or as required
		Annually, or as required

	Remove sediment from pre-treatment structures and/ or internal forebays	
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 Survey inside of tank for sediment build-up and remove if necessary	Annually Every 5 years or as required

6 Contamination or Dilution of Spillage

In the event of a spillage it is the responsibility of the resident to clear up any spillage before it enters the drainage system. The primary method of dealing with any spillage of hydrocarbons should be using sand to soak up the leak and prevent any hydrocarbons entering the drainage system. Once sand has been contaminated it should not be washed into the drainage system but disposed of by a Licensed Contractor.

Environment Agency – Emergency Contact Number

In the event of a spillage the Environment Agency should be contacted to notify the event and seek advice. The Environment Agency Incident Hotline is **0800 80 70 60** (Freephone 24hrs).

- End of Plan -



Civil Engineering - Transport Planning - Flood Risk

GTA Civils & Transport, Maple House, 192-198 London Road, Burgess Hill, West Sussex, RH15 9RD
T: 01444 871444 E: enquiries@gtacivils.co.uk [www: gtacivils.co.uk](http://www.gtacivils.co.uk)
 GTA Civils & Transport Limited, Registered in England No. 11917461. VAT Registration No. 319 2609 02



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