
MANAGEMENT AND MAINTENANCE OF ON-SITE DRAINAGE SYSTEMS

Residential
Development
Elm Grove
Hayling Island
Hampshire
PO11 9EN

February 2023

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1	1	Havant B C	Planning Portal	02 February 2023	Draft

1.0 EXECUTIVE SUMMARY

1.1 This development is served by the following surface water drainage systems :

- a) Permeable access ways and car parks formed of free draining stone and permeable concrete paving.
- b) Surface water attenuation incorporating subterranean box culverts with flow control.
- c) Carrier drains and perforated water collection pipes.
- d) A swale.

1.2 The surface water drainage system is designed to accommodate a M100 plus 40% storm event without surface flooding in accordance with the National Planning Policy Framework.

1.3 The storm drainage system will ensure that surface water discharge is restricted to 5 litres per second for the worst case M100 plus 40% storm event.

1.4 The foul water drainage is designed in accordance with the requirements of the Building Regulations Part 'H'.

1.5 Effective maintenance is important to ensure that the drainage systems operate as intended.

2.0 RECOMMENDED MAINTENANCE SCHEDULE

2.1 Permeable Pavements

- a) Remove silt, litter and vegetation growth from surfaces.
Frequency: November, following leaf fall
April
- b) Observe and record areas of notable ponding during prolonged rainfall. This may imply the permeable surface is contaminated requires vacuum cleaning.
- c) Hydrocarbon spills require urgent action to prevent pollution to subsoils and local watercourses. If severe the Fire Brigade and Environment Agency should be notified without delay.

2.2 Surface Water Carrier and Distribution Pipe System

- a) Remove silt, litter and vegetation from gullies, inspection chambers, manholes and catchpits. Ensure that surface water drains are free flowing.
Frequency: Every April

2.3 Swale

- a) Remove litter, trim grass and vegetation regularly.
Frequency: November, following leaf fall
April –September once monthly
- b) Maintain grass height to 50mm approximately.

2.4 Foul Water Carrier Drain System

- a) Remove debris from inspection chambers and manholes. Ensure that the foul drains are free flowing.
Frequency: Every April
- b) Periodic jetting or rodding of pipework as required to clear blockages.

3.0 FURTHER REFERENCE

The SUDs Manual CIRIA C753

The Building Regulations Part 'H'

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Date: 27 January 2023