

SUDS MAINTENANCE MANUAL DATA SHEET



Reference: MM-PP-01

V2 – June 2015

SUDS Element:

Permeable Paved Driveway

Function Served:

Permeable paving acting as drainage, conveyance, allowing infiltration and functioning as attenuation.

Features:

60mm permeable block paviour, bedding material over 30% voided stone. Including perforated pipework and catch pits for drain down and conveyance.

Owned:

Site Management

Location:

To be utilised for external ground level car parking spaces, pedestrian footways and courtyard areas where appropriate.

General Notes:

As a private owner scope of maintenance requirements are limited to what can reasonably be expected under routine maintenance of property. i.e. Part A.

Where normal maintenance is not sufficient items from Part B. of the schedule should be undertaken by a suitably experienced body

Part A: Routine Maintenance (typically monthly):

Maintenance Activity	Comments	Frequency
Litter and debris removal		Monthly
Inspect structures for evidence of poor operation		Monthly

Occasional Maintenance (typically every 6 months):

Maintenance Activity	Comments	Frequency
Brushing of pavement surface	Joints in paving become silted over time. Inspect visually. Undertake maintenance where joints are greater than 50% silted.	6 monthly or more frequently if required
Filling joints between paving blocks with suitable material	Following brushing joints may need to be topped up with suitable material. Specification as follows: "Jointing material: 2/6.3mm clean crushed stone (no fines) to BS RN 13242:2002 or BS EN 12620"	6 monthly as required following brushing

Where Part A activities do not address deficient performance refer to Part B, see General Notes.

Part B: Occasional Maintenance (typically every 6 months):

Maintenance Activity	Comments	Frequency
Inspect inlet catch pit and pre-treatment components for silt accumulation	Includes visual inspection of inlet chamber, forebay and inspection of flow control.	Half yearly
Visual inspection catch-pits, linking pipework etc. for evidence of physical damage	Visual inspection from surface only, CCTV survey required if evidence present of structural issues.	Half yearly

Annual Activities:

Maintenance Activity	Comments	Frequency
Remove sediment from catch-pits	Remove accumulated silt with suction tanker when 50% full.	Annual/as required

Infrequent/Corrective Activities:

Maintenance Activity	Comments	Frequency
Repair damage to paving	Damage may include rutting or local failure of structure	As required
Repair/rehabilitation of inlets and outlets.		As required
Rehabilitation following a pollution event	Pollution includes potential sealants of joints	As required
Repair/replace geotextile base.	If evidence from CCTV suggests a direct source of silt is present intrusive works will be required to the geotextile	As required
Rehabilitate sub-base	If, following brushing, the structure continues to perform below standard structural overhaul may be required. Stone may require reprocessing to reinstate original void ratio.	As required Evidence of similar structures installed around the country suggests rebuilding of the structures may be required typically every 25 years.

SUDS MAINTENANCE MANUAL DATA SHEET



Reference: MM-BR-01

V1 – Jan 2022

SUDS Element:

Bioretention Feature

Function Served:

Bioretention features designed to retain surface water runoff and encourage percolation.

Features:

Planted shallow depression.

Owned:

Site Management

Location:

Within open soft landscaping where appropriate.

General Notes:

Maintenance strategy should be reviewed on a regular basis and performance of the maintenance activities assessed.

Reference should be made to recognised industry standards in undertaking maintenance.

Where activities are required outside ownership permission must be sought from relevant party.

Refer to section 22 of CIRIA C697 for discussion on maintenance techniques.

Requirement for reporting of inspections to be confirmed by responsible party. May be required as evidence of activities to prove activity as part of funding arrangements.

Routine Maintenance (typically monthly):

Maintenance Activity	Comments	Frequency
Litter and debris removal	Litter and debris (removed prior to any grass cutting activity) to minimise risk of shredding litter. Particular attention should be paid to inlet/outlet pipes.	Monthly
Trimming/cutting of feature plants	All cuttings to be removed from SUDS components.	Monthly (during growing season) or as required
Manage other vegetation and remove nuisance plants	Weeding should be conducted by hand or use non-toxic and biodegradable weed killer. Invasive species should be removed in accordance with best practice.	Monthly (at implementation) then as required.

Occasional Maintenance (typically 6 monthly):

Maintenance Activity	Comments	Frequency
Visual inspection of features for general condition	Check to identify potential issues (dead or dying vegetation, overgrown vegetation, foreign species present etc.)	6 monthly

Annual Activities:

Maintenance Activity	Comments	Frequency
Tidy all dead growth before start of growing season		Annually
Prune and trim trees and remove cuttings	Where vegetation is planted as a barrier management of upward growth to encourage outward growth is necessary (after shrub seedlings are established).	As required

Infrequent/Corrective Activities:

Maintenance Activity	Comments	Frequency
Remove dead vegetation		1-3 years or as required
Re-seed or replant areas of poor vegetation growth		As required
Repair erosion or other damage	Required to maintain the bed at original design level	As required
Rehabilitation following a pollution event		As required



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