



1

Basin Maintenance

Maintenance schedule	Required action	Frequency
Regular maintenance	Removal of litter and debris	Monthly
	Cut grass	Half yearly
	Manage other vegetation	Monthly then as required
	Inspect and clear inlets, outlets, overflows etc	Monthly
	Inspect and repair banks, pipes, headwalls etc	Monthly
	Inspect inlets and basin for silt accumulation	Monthly until able to establish the required silt removal frequency, then in accordance with established frequency
	Manage vegetation in wetter areas (micro-pools etc)	Annually or as established by ecologist/landscape architect
	Tidy dead growth	Annually (as per growing season)
	Remove sediment from traps, forebays etc	Annually
	Reseed	As required.
Occasional maintenance	Prune adjacent trees	Every 2 years, or as otherwise advised
	Silt removal	Every 5 years (depending on the requirement for regular maintenance)
	Repair erosion or other damage	As required
Remedial actions	Repair inlets, outlets and overflows	As required

2

Storage Blanket/Trench

Maintenance schedule	Required action	Frequency
	Inspect traps/chambers for sediment accumulation and remove	Six monthly, until a pattern of accumulation is established, then as required
	Remove sediment from traps	Annually/as required
	Repair/replace inlets	As required.
Remedial actions	Check inlets functioning as intended	Annually
Occasional Maintenance	Check for root ingress to blanket/trench and trim as necessary (in accordance with appropriate guidance on vegetation management)	Annually or less frequently depending on proximity and type of planting

3

Swale / Grassed Filter Drain Maintenance

Maintenance schedule	Required action	Frequency
Regular maintenance	Litter and debris removal	Monthly, as required
	Grass cutting	Monthly, as required by season
	Upkeep of any other planting	Monthly, then decreasing in frequency, as required by season
	Inspect the swale bed for any ponding (a possible indication of reduced infiltration).	Monthly, as required
	Inspect inlets, outlets, overflows for debris and condition	Monthly
	Inspect system for silt (traps, chambers and surfaces)	Half yearly
Occasional maintenance	Reseed and replant bare areas, consider reasons for poor growth and failure of plants to establish and amend planting, improve soil etc	As required
Remedial actions	Repair erosion or other damage (reseed or re-turf)	As required.
	Relevel uneven surfaces	As required.
	Scarify topsoil, remediate soil to improve any reduction in infiltration	As required.
	Remove notable accumulations of sediment	As required.
	Remove and safely dispose of any oils or petrol residues.	As required

4

Pervious Pavement Maintenance

Maintenance schedule	Required action	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
Remedial actions	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structure 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
Monitoring	Initial inspection	Annually
	Inspect tank internally, remove any sediment if present and if required	Every 5 years (or more frequently if necessary)
	Inspect for evidence of poor operation and/or weed growth – if required, take remedial action	Three-monthly, 48 hours after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually

5

Orifice Maintenance

Maintenance schedule	Required action	Frequency
Remedial actions	Repair/replace inlets, outlets, overflows.	As required
Monitoring	Check that controls, protection, outlets, inlets and overflows are in good condition and working as intended	Half Yearly

KEY

- 1 ATTENUATION BASIN
- 2 STORAGE BLANKET
- 3 ROADSIDE SWALE/GRASSED FILTER DRAIN
- 4 PERMEABLE PAVING
- 5 ORIFICE CONTROL CHAMBER

NOTES

REV	DESCRIPTION	DE	DR	CH	DATE							
-	-	-	-	-	-							
DESIGNED BY	DRAWN BY	CHECKED BY										
-	DP	-										
SCALE @ A1 SIZE	DATE											
D.N.S.	28/07/2020											
PROJECT TITLE												
CHALCROFT NURSERY, WEST BERSTED												
DRAWING TITLE												
MAINTENANCE PLAN												
CLIENT												
LANDFORM BERSTED LIMITED												
CANNON CONSULTING ENGINEERS Highways, Transport & Infrastructure Planning												
Peck House, 20 Eastcheap London, EC3M 1EB Tel: 020 7717 5870 info@cannonce.co.uk												
Cambridge House, Lonsdale Business Park, Kintford, Nottm. CB8 7PH Tel: 01538 555167 www.cannonce.co.uk												
DRAWING NUMBER					REV.							
U101 - PL - SK - 355					-							



KEY

BOX CULVERT

EXISTING DITCH TO BE INFILLED

NOTES

REV	DESCRIPTION	DE	DR	CH	DATE
DESIGNED BY	DRAWN BY	CHECKED BY			
-	DP	-			
SCALE @ A1 SIZE		DATE			
D.N.S.		16/07/2020			
PROJECT TITLE					
CHALCROFT NURSERY, WEST BERSTED					
DRAWING TITLE					
LAND DRAINAGE ALTERATIONS					
CLIENT					
LANDFORM BERSTED LIMITED					
CANNON CONSULTING ENGINEERS Highways, Transport & Infrastructure Planning Peck House, 20 Eastcheap London, EC3M 1EB Tel: 020 7717 5870 info@cannon.co.uk Cambridge House, Lowdres Business Park, Kirtford, Newmarket, CB8 7PN Tel: 01638 555107 www.cannon.co.uk					
DRAWING NUMBER					REV.
U101 - PL - SK - 351					-