Condition	Surface water drainage
Condition	Surface water drainage
32 states -	The development hereby permitted shall not be commenced until a detailed surface water
	drainage scheme for the site, based on the agreed flood risk assessment (FRA) Agar Grove,
	Drainage and Flood Risk, December 2013, project reference 28732, FRA issue 3 and technical
	note, number28732-C-TN03, dated 22.01.14, has been submitted to and approved in writing
	by the local planning authority. The drainage strategy shall include a restriction in run-off to
	28.9l/s (as shown in the technical note, 28732-C-TN03) and surface water storage on site as
	outlined in the FRA. The scheme shall subsequently be implemented in accordance with the
	approved details before the development is completed.

Further information has been requested in relation to aspects of Sustainable Urban Drainage Systems (SUDS). This document provides maintenance details for the SUDS as well as a schedule detailing who will be doing what maintenance, at what time of year and how frequently.

## **Elements**

Permeable pavements
Storm Cell Attenuation Tanks
Living Roofs
Rain gardens, Bioretention Areas and Swales

Task	Frequency	Season	Actioned by
Permeable paving maintenance:	As required –	All	London Borough of Camden,
Cleaning either by water jetting or	bimonthly		Supporting Communities, Property
agitation brushing. Remove silt.	inspections		Management division
Replacement of concrete paving:	As required –	All	London Borough of Camden,
Replacement of cracked elements	bimonthly		Supporting Communities, Property
considered a hazard.	inspections		Management division
Maintenance of Drainage Pipes and	2 x per annum	All	London Borough of Camden,
Gullies: Visual check of underground	, ,		Supporting Communities, Property
pipes and gully pots to ensure clean			Management division
from debris. Clean and empty as			
required.			
Maintenance of Attenuation Tank:	Annually	All	London Borough of Camden,
Inspect all areas (inlets, outlets,	•		Supporting Communities, Property
overflows, pre-treatment) are			Management division
operational, check for debris, algae or			
sediment and remove as required.			
Maintenance of Internal Tank: Survey	Every 5 years	All	London Borough of Camden,
inside of attenuation tank for sediment.			Supporting Communities, Property
			Management division
Maintenance of Surface Drainage	Monthly	All	London Borough of Camden,
Grates and Channels: Remove any			Supporting Communities, Property
sediment, leaf or litter debris. Renew			Management division
and replace bolts as required.			
Brown Roof			London Borough of Camden,

•	Remove any excessive invasive	2x annually	Spring & Autumn	Supporting Communities, Management division	Property
	weeds;	2x annually	Spring &	Wanagement division	
•	Remove leaf litter, arisings and litter.	,	Autumn		
Intensive Green Roof				London Borough of	Camden,
•	Remove any invasive weeds;	2x annually	Spring &	Supporting Communities,	Property
	,	,	Autumn	Management division	
•	Summer Trimming: Cut to 500mm;	1x annually	July-Aug		
•	Autumn Trimming: Cut to 40cm-60cm.	1x annually	Oct/Nov		
Extens	ive Green Roof			London Borough of	Camden,
•	Apply organic fertiliser annually;	1x annually	April	Supporting Communities,	Property
•	Remove any excessive invasive	2x annually	Spring &	Management division	
	weeds;	Monthly	Summer		
•	Water during prolonged dry	Monthly	Spring- Summer		
	spells; Replace any failures to original	1x annually	Autumn		
	specification;	,			
•	Remove leaf litter, arisings and	2x annually	Spring &		
	litter.		Autumn		
Rain G	ardens			London Borough of	Camden,
•	Maintain weed free;	Monthly	All	Supporting Communities,	Property
•	Litter and Debris removal;	Monthly	All	Management division	
•	Water during prolonged dry	During the horticultural			
	spells;	growing			
		season			
•	Apply organic fertiliser on a bi-	Bi-annually	April		
	annual cycle;	,			
•	Replacement planting for	Annually	Oct-Mar		
	failures.				
•	Inspect the soft landscape after	As required	All		
	any precipitation to ensure no	As required	All		
	displacement of any organic				
	matter, particularly at the base of the RWP after large storm				
	events.				
	If ponding is not clearing after				
	24 hours, remove the soils and	As required	All		
	remove and clean or replace the				
	open graded crushed rock				
	drainage layer.				
•	Inspect the weep hole for	As required	All		
	blockages, remove debris				
	littering hole/ preventing free				
	flowing drainage.				
Bio-ret	ention Beds			London Borough of	Camden,
Bio retention beas		<u> </u>	i	20.000.	

•	Litter and Debris: Remove as	Monthly	All	Supporting Communities, Property
	necessary;	ivionemy	7111	Management division
•	Hand remove pernicious weeds	3-4x annually	All	
	before they set seed;	2.4	A 11	
•	Remove leaf litter as necessary	3-4x annually 1x annually	All May	
•	Clip Buxus hedge to encourage new growth;	1X aimaany	iviay	
•	Clip Buxus hedge to form 450mm plinth;	1x annually	August	
•	Clip Buxus hedge to remove any stray branches;	2x annually	Spring, Autumn	
•	Inspect the soft landscape after any precipitation to ensure no displacement of any organic matter;	As required	All	
•	Inspect filter drain to ensure that the distribution pipework	As required	All	
	arrangement is operational and free from blockages. If required, take remedial action.			
Swales	take remedial detion.			London Borough of Camden,
•	Spring: Over-seed failed areas	1x annually	April-	Supporting Communities, Property
	to original specification;		May Manage July-Oct	Management division
•	Summer: First cut mid-summer	Approx. 6x		
	then subsequently maintain			
	sward between 75-200mm			
	removing all arisings;			
•	Autumn: Last mowing;	1x annually	Nov	
•	Leaf & Litter Removal, Weed Control, Debris & Litter Removal;	Monthly	All	
•	Inspect the soft landscape after any precipitation to ensure no displacement of any organic matter;	As required	All	
•	Inspect filter drain to ensure that the distribution pipework	As required	All	
	arrangement is operational and			
	free from blockages. If required,			
	take remedial action.			

See also — Sustainable Drainage Systems Ltd, GEOlight, product sheet for the attenuation tank system enclosed.