



1. Project & Site Details	
Project / Site Name (including sub-catchment / stage / phase where appropriate)	CHANGE OF USE FROM EXISTING DWELLING TO VETERINARY CLINIC WITH PROPOSED LOFT CONVERSION & EXTENSIONS
Address & post code	54 PEMBROKE RD RUISLIP HA4 8NF
OS Grid ref. (Easting, Northing)	E 509683 N 187155
LA reference (if applicable)	
Brief description of proposed work	CHANGE OF USE, SINGLE STOREY REAR / SIDE EXTENSION & LOFT CONVERSION / FLAT ROOF DORMER
Total site Area	941 m²
Total existing impervious area	m²
Total proposed impervious area	m²
Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	NO.
Existing drainage connection type and location	MAINS - PEMBROKE ROAD
Designer Name	GREG BASMADJIAN
Designer Position	DIRECTOR
Designer Company	KVB ARCHITECTS LTD

2. Proposed Discharge Arrangements	
2a. Infiltration Feasibility	
Superficial geology classification	CLAY
Bedrock geology classification	LAMBETH GROUP (CLAY/SLATE/SAND)
Site infiltration rate	m/s
Depth to groundwater level	m below ground level
Is infiltration feasible?	NO
2b. Drainage Hierarchy	
	Feasible (Y/N)
	Proposed (Y/N)
1 store rainwater for later use	N
2 use infiltration techniques, such as porous surfaces in non-clay areas	N
3 attenuate rainwater in ponds or open water features for gradual release	N
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	Y
5 discharge rainwater direct to a watercourse	N
6 discharge rainwater to a surface water sewer/drain	N
7 discharge rainwater to the combined sewer.	N
2c. Proposed Discharge Details	
Proposed discharge location	REAR GARDEN.
Has the owner/regulator of the discharge location been consulted?	YES.



3a. Discharge Rates & Required Storage			
	Greenfield (GF) runoff rate (l/s)	Existing discharge rate (l/s)	Required storage for GF rate (m³)
			Proposed discharge rate (l/s)
Qbar			
1 in 1			
1 in 30			2.3
1 in 100			
1 in 100 + CC			2.3
Climate change allowance used		30%	
3b. Principal Method of Flow Control			

3c. Proposed SuDS Measures			4a. Discharge & Drainage Strategy	Page/section of drainage report
	Catchment area (m²)	Plan area (m²)	Storage vol. (m³)	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results
Rainwater harvesting	0		0	Drainage hierarchy (2b)
Infiltration systems	0		0	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location
Green roofs	0	0	0	
Blue roofs	0	0	0	
Filter strips	0	0	0	
Filter drains	0	0	0	
Bioretention / tree pits	0	0	0	
Pervious pavements	0	0	0	
Swales	0	0	0	
Basins/ponds	0	0	0	
Attenuation tanks	0		4.8	
Total	0	0	0	
3. Drainage Strategy			4. Supporting Information	
	Proposed SuDS measures & specifications (3b)		REFER TO WAY IN STORMWATER MANAGEMENT DOC.	
			Page/section of drainage report	
4b. Other Supporting Details				
Detailed Development Layout		KVB DNGS 112 & 114		
Detailed drainage design drawings, including exceedance flow routes		KVB DNG 114 & WAY IN STORMWATER MANAGEMENT DOC. DETAILS.		
Detailed landscaping plans		KVB DNG 112		
Maintenance strategy		SITE HAS ESTABLISHED PLANTING.		
Demonstration of how the proposed SuDS measures improve:				
a) water quality of the runoff?				
b) biodiversity?		N/A		
c) amenity?		LAWN / GARDEN AREA.		