

1. Project & Site Details	
Project / Site Name (including sub-catchment / stage / phase where appropriate)	
Address & post code	422 Upper Richmond Road West
OS Grid ref. (Easting, Northing)	E 519849 N 175357
LPA reference (if applicable)	19/3905/FUL
Brief description of proposed work	Extension and alterations to form 7 flats and one retail unit
Total site Area	247 m ²
Total existing impervious area	178 m ²
Total proposed impervious area	163 m ²
Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No
Existing drainage connection type and location	combined system connected to main sewer behind site
Designer Name	Terence Kearney
Designer Position	Architect
Designer Company	Terence Kearney Architects

2. Proposed Discharge Arrangements		
2a. Infiltration Feasibility		
Superficial geology classification	Clay	
Bedrock geology classification	Ballast (pockets)	
Site infiltration rate	m/s	
Depth to groundwater level	4.5	
Is infiltration feasible?	m below ground level	
2b. Drainage Hierarchy		
	Feasible (Y/N)	Proposed (Y/N)
1 store rainwater for later use	Y	Y
2 use infiltration techniques, such as porous surfaces in non-clay areas	Y	Y
3 attenuate rainwater in ponds or open water features for gradual release	Y	Z
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	Z	Z
5 discharge rainwater direct to a watercourse	Z	Z
6 discharge rainwater to a surface water sewer/drain	Z	Z
7 discharge rainwater to the combined sewer.	Y	Y
2c. Proposed Discharge Details		
Proposed discharge location	Existing sewer behind site	
Has the owner/regulator of the discharge location been consulted?	No	

3a. Discharge Rates & Required Storage				
Greenfield (GF) runoff rate (l/s)	Existing discharge rate (l/s)	Required storage for GF rate (m ³)	Proposed discharge rate (l/s)	
Qbar				
1 in 1				
1 in 30				
1 in 100				
1 in 100 + CC				
Climate change allowance used		40%		
3b. Principal Method of Flow Control				
Permeable paving				
3c. Proposed SuDS Measures				
	Catchment area (m ²)	Plan area (m ²)	Storage vol. (m ³)	
Rainwater harvesting	0		0	
Infiltration systems	38		0	
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		0	
Total	38	0	0	0

4. Supporting Information		Page/section of drainage report
4a. Discharge & Drainage Strategy	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	
	Drainage hierarchy (2b)	
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	
	Proposed SuDS measures & specifications (3b)	able paving shown on Drg No. 2019
4b. Other Supporting Details	Detailed Development Layout	Page/section of drainage report Drg No. 2019/11/PL2
	Detailed drainage design drawings, including exceedance flow routes	
	Detailed landscaping plans	Drg No. 2019/11/DIL
	Maintenance strategy	
	Demonstration of how the proposed SuDS measures improve:	
	a) water quality of the runoff?	
	b) biodiversity?	
	c) amenity?	