

1. Project & Site Details	Project / Site Name (including sub-catchment / stage / phase where appropriate)	105, RALEIGH ROAD, LONDON, N8 0JD
	Address & post code	105, RALEIGH ROAD, LONDON, N8 0JD
	OS Grid ref. (Easting, Northing)	E 531425
		N 189476
	LPA reference (if applicable)	
	Brief description of proposed work	Building new block of 4 flats
	Total site Area	250 m ²
	Total existing impervious area	234 m ²
	Total proposed impervious area	180 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	foul and surface water connections on site
	Designer Name	Pawel Kukiela
Designer Position	civil engineer	

2. Proposed Discharge Arrangements	2a. Infiltration Feasibility		
	Superficial geology classification	London Clay Formation - Clay, silt and sand.	
	Bedrock geology classification	Sedimentary bedrock	
	Site infiltration rate	N/A m/s	
	Depth to groundwater level	not observed in BGS 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	Y	Y
	3 attenuate rainwater in ponds or open water features for gradual release	N	N
	4 attenuate rainwater by storing in tanks or sealed water features for gradual release	Y	Y
	5 discharge rainwater direct to a watercourse	N	N
	6 discharge rainwater to a surface water sewer/drain	Y	Y
	7 discharge rainwater to the combined sewer.	N	N
	2c. Proposed Discharge Details		
	Proposed discharge location	ge to Thames Water SW sewer. See drainage	
Has the owner/regulator of the discharge location been	Yes		

	Designer Company	PK Design Consultants Ltd
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	consulted?	
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3. Drainage Strategy	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)
	Q _{bar}	NA/Browinfield s			
	1 in 1		2.1	2.85	1
	1 in 30		9.8	2.85	2.5
	1 in 100		11.7	2.85	
	1 in 100 + CC				3.4
	Climate change allowance used		40%		
	3b. Principal Method of Flow Control		Orifice		
	3c. Proposed SuDS Measures				
		Catchment area (m ²)	Plan area (m ²)	Storage vol. (m ³)	
	Rainwater harvesting	0		0	
	Infiltration systems	0		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	28	28	3	
	Swales	0	0	0	
	Basins/ponds	0	0	0	
	Attenuation tanks	180		0	
	Total	208	28	3	

4. Supporting Information	4a. Discharge & Drainage Strategy	Page/section of drainage report
	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	3.2
	Drainage hierarchy (2b)	2.5 and 3.2
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	3.7
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	3.3-3.13
	Proposed SuDS measures & specifications (3b)	3.0-3.18
	4b. Other Supporting Details	Page/section of drainage report
	Detailed Development Layout	Appendix A
	Detailed drainage design drawings, including exceedance flow routes	Appendix A
	Detailed landscaping plans	Appendix X
	Maintenance strategy	3.14-3.18
	Demonstration of how the proposed SuDS measures improve:	
	a) water quality of the runoff?	3.12
	b) biodiversity?	Appendix X - landscaping
	c) amenity?	Appendix X - landscaping