

1. Project & Site Details	Project / Site Name (including sub-catchment / stage / phase where appropriate)	Camden High Street Hub Hotel - Proposed 5 storey development
	Address & post code	115 - 119 Camden High Street, London, NW1 7JR
	OS Grid ref. (Easting, Northing)	E 528958
		N 183682
	LPA reference (if applicable)	
	Brief description of proposed work	Demolition of existing two storey building which is then to be developed into a new part 4 and part 5 storey building
	Total site Area	848 m <sup>2</sup>
	Total existing impervious area	848 m <sup>2</sup>
	Total proposed impervious area	848 m <sup>2</sup>
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No
	Existing drainage connection type and location	Discharge to Thames Water Assets
	Designer Name	Nilani Kanagalingam
	Designer Position	Civil Engineer
Designer Company	Clancy Consulting	

2. Proposed Discharge Arrangements	<b>2a. Infiltration Feasibility</b>		
	Superficial geology classification	None Recorded	
	Bedrock geology classification	London Clay Formation	
	Site infiltration rate	N/A	m/s
	Depth to groundwater level	20	m below ground level
	Is infiltration feasible?	No	
	<b>2b. Drainage Hierarchy</b>		
		<i>Feasible (Y/N)</i>	<i>Proposed (Y/N)</i>
	1 store rainwater for later use	N	N
	2 use infiltration techniques, such as porous surfaces in non-clay areas	N	N
	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	N	N
	7 discharge rainwater to the combined sewer.	Y	Y
	<b>2c. Proposed Discharge Details</b>		
	Proposed discharge location	Combined sewer running at Delancey Street	
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 (m <sup>3</sup> )	Proposed discharge rate (l/s)
Qbar	0.1	<del>0.1</del>	<del>0</del>	<del>0.1</del>
1 in 1	0.1	7.9		2.7
1 in 30	0.2	19.2		6.6
1 in 100	0.3	25.2		8.7
1 in 100 + CC	<del>0.3</del>	<del>25.2</del>		11.3
Climate change allowance used		30%		
3b. Principal Method of Flow Control				
3c. Proposed SuDS Measures				
	Catchment area (m <sup>2</sup> )	Plan area (m <sup>2</sup> )	Storage vol. (m <sup>3</sup> )	
Rainwater harvesting	0	<del>0</del>	0	
Infiltration systems	0	<del>0</del>	0	
Green roofs	0	0	0	
Blue roofs	582	413	32.1	
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	<del>0</del>	0	
<b>Total</b>	<b>582</b>	<b>413</b>	<b>32.1</b>	

3. Drainage Strategy

4a. Discharge & Drainage Strategy		Page/section of drainage report
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results		Section 5.3
Drainage hierarchy (2b)		Section 5.3
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location		Section 5.4
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations		Appendix C
Proposed SuDS measures & specifications (3b)		Section 5.4
4b. Other Supporting Details		Page/section of drainage report
Detailed Development Layout		Appendix C, Drawing 400450
Detailed drainage design drawings, including exceedance flow routes		Drawing 400450,400451 &400502
Detailed landscaping plans		Appendix A
Maintenance strategy		Appendix D
Demonstration of how the proposed SuDS measures improve:		Section 6.1 - 6.6
a) water quality of the runoff?		Appendix C
b) biodiversity?		N/A
c) amenity?		N/A

4. Supporting Information