Camden

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1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	1 Hampshire Street
Address & post code	1 Hampshire Street, London NW5 2TE
OS Grid ref. (Easting, Northing)	E 529716
	N 184954
LPA reference (if applicable)	
Brief description of proposed work	Proposed 4 storey building in place of exisiting
Total site Area	545 m^2
Total existing impervious area	545 m^2
Total proposed impervious area	545 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	Gravity conenction, combined to public sewer
Designer Name	A Norris
Designer Position	Civil Engineer

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	London Clay	
Bedrock geology classification		
Site infiltration rate	N/A	m/s
Depth to groundwater level	N/A	m below ground level
Is infiltration feasible?	No	

2b. Drainage Hierarchy

	Feasible (Y/N)	*Proposed (Y/N)*
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	Y	Y
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	Y	Y
5 discharge rainwater direct to a watercourse	N	
6 discharge rainwater to a surface water sewer/drain	N	N
7 discharge rainwater to the combined sewer.	Y	Y

2c. Proposed Discharge Details

Proposed discharge location	ined sewer within Hampshire street via exis
Has the owner/regulator of the discharge location been	yes

	Designer Company	Jomas Associates		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)*
Qbar	2.58			
1 in 1	2.12	2.6		0.8
1 in 30	4.68	9.2		2
1 in 100	6.07	12.9		4.1
1 in 100 + CC				5.5
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
Blue roofs	375	375	37.5
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	**375**	**375**	**37.5**

4. Supporting Information

4a. Discharge & Drainage Strategy	*Page/section of drainage report*
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Exisitng building occupying wholse site, infiltration not feasable
Drainage hierarchy (2b)	ttenuation at roof level via blue roo
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Blue roof calcautions provided
Proposed SuDS measures & specifications (3b)	Standard details attached

4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	
Detailed drainage design drawings, including exceedance flow routes	J1769-6001
Detailed landscaping plans	
Maintenance strategy	Document provided
Demonstration of how the proposed SuDS measures improve:	quality improved through infiltrati
a) water quality of the runoff?	
b) biodiversity?	
c) amenity?	