Camden

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1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	Land Adjacent to 49 Lamble Street, London NW5 4AT
Address & post code	Land Adjacent to 49 Lamble Street, London NW5 4AT
OS Grid ref. (Easting, Northing)	E 528253
	N 185505
LPA reference (if applicable)	2023/3311/P
Brief description of proposed work	Erection of a three storey dwellinghouse and associated works
Total site Area	70 m^2
Total existing impervious area	0 m^2
Total proposed impervious area	30 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	Public combined water sewer serving properties along Lamble Street.
Designer Name	Sanjay Kanadia
Designer Position	Engineer
Designer Company	Spillways Limited

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	None	
Bedrock geology classification	London Clay Formation	
Site infiltration rate	N/A	m/s
Depth to groundwater level	1.2	m below ground level
Is infiltration feasible?	No	

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	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

2c. Proposed Discharge Details

Proposed discharge location	Public Combined water sewer within the front patio of the development
Has the owner/regulator of the discharge location been consulted?	Yes - Response is pending.

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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	0			
1 in 1	0	-	1m³	0.8
1 in 30	0.1	-	3m³	0.8
1 in 100	0.1	-	4m³	0.8
1 in 100 + CC			-	0.8
Climate change allowance used		40%		
3b. Principal Method of Flow Control		Vortex Flow Control Unit @ 0.8 l/s		

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	40	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	70		2.82
Total	**70**	**40**	**2.82**

4. Supporting Information

4a. Discharge & Drainage Strategy	*Page/section of drainage report*
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	1609-SPW-Z0-ZZ-DR-C-6000 - Below Ground Drainage - P1
Drainage hierarchy (2b)	1609-SPW-Z0-ZZ-DR-C-6000 - Below Ground Drainage - P1
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Ongoing Discussion With Thames Water
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	1609 - Proposed Hydraulic Model - P2
Proposed SuDS measures & specifications (3b)	1609-SPW-Z0-ZZ-DR-C-6000 - Below Ground Drainage - P1
4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	See Architects Plans
Detailed drainage design drawings, including exceedance flow routes	1609-SPW-Z0-ZZ-DR-C-6000 - Below Ground Drainage - P1
Detailed landscaping plans	See Architects Plans
Maintenance strategy	1609 - SuDSMS - 240712 - P1
Demonstration of how the proposed SuDS measures improve:	1609-SPW-Z0-ZZ-DR-C-6000 - Below Ground Drainage - P1
a) water quality of the runoff?	See Drawing
b) biodiversity?	See Drawing
c) amenity?	See Drawing