Camden

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1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	19 Well Road, London NW3 1LH
Address & post code	19 Well Road, London NW3 1LH
OS Grid ref. (Easting, Northing)	E 526694
	N 186185
LPA reference (if applicable)	2021/1003/P
Brief description of proposed work	Extension to existing basement under front garden, including 2x lightwells
Total site Area	54.3 m^2
Total existing impervious area	54.3 m^2
Total proposed impervious area	54.3 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	Existing combined sewer
Designer Name	Stella Pyrza/Duncan Walters
Designer Position	Project Engineer/Associate Director
Designer Company	Eckersley O'Callaghan

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	None recorded
Bedrock geology classification	Claygate Member - Clay, Silt and Sand
Site infiltration rate	0 m/s
Depth to groundwater level	1 (perched - see SI) 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	N	N
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	N	N
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	Existing Combined Sewer
Has the owner/regulator of the discharge location been consulted?	No

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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	0.45			
1 in 1	0.38			2
1 in 30	1.04			2
1 in 100	1.44			2
1 in 100 + CC				2
Climate change allowance used		40%		
3b. Principal Method of Flow Control		Hydrobrake		

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	0	0	0
Swales	0	0	0
Basins/ponds	0	0	0
Attenuation tanks	54.3		0.5
Total	**54.3**	**0**	**0.5**

4. Supporting Information

4a. Discharge & Drainage Strategy	*Page/section of drainage report*
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Soiltechnics Well Road Report
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	19 Well Road Discharge report_iss1
Proposed SuDS measures & specifications (3b)	19 Well Road Discharge report_iss1

4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	
Detailed drainage design drawings, including exceedance flow routes	1583-Condition Discharge Report
Detailed landscaping plans	
Maintenance strategy	1583-Condition Discharge Report
Demonstration of how the proposed SuDS measures improve:	19 Well Road Discharge report_iss1
a) water quality of the runoff?	
b) biodiversity?	
c) amenity?	