Camden

GREATER**LONDON**AUTHORITY

LoDEG

1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	53-55 Chalton Street & 60 Churchway / On site
Address & post code	53-55 Chalton Street and 60 Churchway, London NW1 1HY & NW1 1LT
OS Grid ref. (Easting, Northing)	E 529786
	N 182835
LPA reference (if applicable)	2016/5266/P
Brief description of proposed work	Erection of part 4 part 2 storey plus basement building, comprising 46 room hotel (C1 Use Class) fronting Chalton Street and Churchway (following demolition of existing building)
Total site Area	467 m^2
Total existing impervious area	417 m^2
Total proposed impervious area	356 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 Sewer
Designer Name	
Designer Position	
Designer Company	

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	N/A
Bedrock geology classification	London Clay Formation
Site infiltration rate	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	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	Combined sewers in Churchway & Chalton St.
Has the owner/regulator of the discharge location been consulted?	No- existing connections retained

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				
1 in 1	0.059	3.2		4
1 in 30	0.187	7.5		4
1 in 100	0.26	10.5		4
1 in 100 + CC			16.4	4
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	80	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	356		16.4
Total	**356**	**80**	**16.4**

4. Supporting Information

4a. Discharge & Drainage Strategy	*Page/section of drainage report*
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Page 11
Drainage hierarchy (2b)	Page 11-12
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Page 11-13/ Appendix D
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Page 11-13 / Appendix I
Proposed SuDS measures & specifications (3b)	Page 12-13 / Appendix J
4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	Appendix F
Detailed drainage design drawings, including exceedance flow routes	Appendix F
Detailed landscaping plans	N/A
Maintenance strategy	Page 14 / Appendix K
Demonstration of how the proposed SuDS measures improve:	Page 13&15
a) water quality of the runoff?	
b) biodiversity?	
c) amenity?	