Camden

GREATERLONDONAUTHORITY

LoDEG

1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	Roundhouse Railside Storage Chalk Farm Road, Camden Stage 4
Address & post code	Roundhouse Chalk Farm Road London NW1 8EH
OS Grid ref. (Easting, Northing)	E 528205 N 184364
LPA reference (if applicable)	
Brief description of proposed work	Construction of a new ground bearing slab to allow for the future installation of storage containers in the existing service yard of the Roundhouse
Total site Area	288 m^2
Total existing impervious area	288 m^2
Total proposed impervious area	288 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	Combined sewer in Chalk Farm Road via branch connection
Designer Name	David Perkins
Designer Position	Associate
Designer Company	Momentum Consulting Engineers

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	NA
Bedrock geology classification	London Clay Formation
Site infiltration rate	0.0000016 m/s
Depth to groundwater level	3.9 m below ground level
Is infiltration feasible?	No

2b. Drainage Hierarchy

	Feasible (Y/N)	*Proposed (Y/N)*
1 store rainwater for later use	Y	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	rge into the combined sewer in Chalk Farm roa
Has the owner/regulator of the discharge location been consulted?	Yes

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	0.12			
1 in 1	0.11	4.41	4	2
1 in 30	0.28	10.5	9	2
1 in 100	0.39	13.26	11	2
1 in 100 + CC			16	2
Climate change allowance used		40%		
3b. Principal Method of Flow Control		Hydro brake		

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	287		10
Total	**287**	**0**	**10**

4. Supporting Information

4a. Discharge & Drainage Strategy	*Page/section of drainage report*
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	STL J14197 The Roundhouse Site Investigagtion and Risk Assessment Report Pg 16
Drainage hierarchy (2b)	ument 2796_MOM_RH_DNT-610 Appe
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	ument 2796_MOM_RH_DNT-610 Appe
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	ument 2796_MOM_RH_DNT-610 Appe
Proposed SuDS measures & specifications (3b)	ument 2796_MOM_RH_DNT-610 Appe
4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	Drawings 2796-602
Detailed drainage design drawings, including exceedance flow routes	Drawings 2796-602
Detailed landscaping plans	Refer to Architects details
Maintenance strategy	ument 2796_MOM_RH_DNT-610 Appe
Demonstration of how the proposed SuDS measures improve:	Refer to Architects Information
a) water quality of the runoff?	
b) biodiversity?	
c) amenity?	