CROYDON

GREATERLONDONAUTHORITY

LoDEG

1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	66 pollard hill north, london
Address & post code	66 pollard hill north, london sw16 4ny
OS Grid ref. (Easting, Northing)	E 530517
	N 168884
LPA reference (if applicable)	
Brief description of proposed work	development of 9 residiential dwellings
Total site Area	2690 m^2
Total existing impervious area	160 m^2
Total proposed impervious area	1490 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	pollards hill north
Designer Name	arwyn norrs
Designer Position	director

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	n/a
Bedrock geology classification	london clay
Site infiltration rate	0 m/s
Depth to groundwater level	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	Y	Y
7 discharge rainwater to the combined sewer.	N	N

2c. Proposed Discharge Details

Proposed discharge location	tw surface water sewer beech road
Has the owner/regulator of the discharge location been	yes

	Designer Company	syntegra consulting		consulted?	

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	0.6			
1 in 1	0.5	1.5	88	1.9
1 in 30	1.4	4.8	88	2
1 in 100	1.8	7.3	88	2
1 in 100 + CC			88	2
Climate change allowance used		40%		

3b. Principal Method of Flow Control	flow control device

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	117	117	17
Swales	0	0	0
Basins/ponds	0	0	0
Attenuation tanks	1490		71
Total	**1607**	**117**	**88**

4. Supporting Information

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