



1. Project & Site Details	Project / Site Name (including sub-catchment / stage / phase where appropriate)	The Goodsyard
	Address & post code	Bishopsgate Goodsyard, Shoreditch High Street, London, E1 6GJ
	OS Grid ref. (Easting, Northing)	E 533638 N 182218
	LPA reference (if applicable)	
	Brief description of proposed work	A mixed used development comprising residential, business use, hotel, retail, new public space and landscaping.
	Total site Area	44000 m <sup>2</sup>
	Total existing impervious area	44000 m <sup>2</sup>
	Total proposed impervious area	44000 m <sup>2</sup>
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No
	Existing drainage connection type and location	Refer to Table 1 in Outline Drainage Strategy.
	Designer Name	Phoebe Tribe
	Designer Position	Engineer
	Designer Company	WSP

2. Proposed Discharge Arrangements	<b>2a. Infiltration Feasibility</b>		
	Superficial geology classification	Taplow Gravel - Secondary A	
	Bedrock geology classification	London Clay - Unproductive	
	Site infiltration rate	0 m/s	
	Depth to groundwater level	n/a m below ground level	
	Is infiltration feasible?	No	
	<b>2b. Drainage Hierarchy</b>		
		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	
<b>2c. Proposed Discharge Details</b>			
Proposed discharge location	Seven separate new outfalls to combined sewers in Wheeler Street, Bethnal Green Road, Shoreditch High Street and Sclater Street. See Drainage Strategy Plan for details		
Has the owner/regulator of the discharge location been consulted?	Yes		

3a. Discharge Rates & Required Storage				
	Greenfield (GF) runoff rate (l/s)	Existing discharge rate (l/s)	Required storage for GF rate (m <sup>3</sup> )	Proposed discharge rate (l/s)
Qbar				
1 in 1	5.91	(1 in 2) 452.9	1288.8	48
1 in 30	15.99	1150.4	2320.7	114.1
1 in 100	22.18	1520.9	3055.8	149.5
1 in 100 + CC			4411.7	206.6
Climate change allowance used		40%		
3b. Principal Method of Flow Control		Hydrobrake		
3c. Proposed SuDS Measures				
	Catchment area (m <sup>2</sup> )	Plan area (m <sup>2</sup> )	Storage vol. (m <sup>3</sup> )	
Rainwater harvesting	0		0	
Infiltration systems	0		0	
Green roofs	0	0	0	
Blue roofs	5535	0	754	
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	29589		4060	
<b>Total</b>	<b>35124</b>	<b>0</b>	<b>4814</b>	

4a. Discharge & Drainage Strategy		Page/section of drainage report
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results		Section 5.1.4
Drainage hierarchy (2b)		Section 5.1.2-5.1.11
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location		5.1.10-5.1.11
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations		Appendix D
Proposed SuDS measures & specifications (3b)		Refer to 5.1.12 and Table 4
4b. Other Supporting Details		Page/section of drainage report
Detailed Development Layout		Appendix C
Detailed drainage design drawings, including exceedance flow routes		Appendix D
Detailed landscaping plans		Refer to Landscape Architect Drawings
Maintenance strategy		Section 5.2
Demonstration of how the proposed SuDS measures improve:		
a) water quality of the runoff?		Refer to Sustainability report
b) biodiversity?		Refer to Sustainability report
c) amenity?		Refer to Sustainability report