

GREATER LONDON AUTHORITY



	Project / Site Name (including sub- catchment / stage / phase where appropriate)	Lamorna	
1. Project & Site Details	Address & post code	Lamorna, Dartmouth Park Road, NW5 1SU	
	OS Grid rof (Easting Northing)	E 528635	
	US UNUTED. (Lasting, Northing)	N 185930	
	LPA reference (if applicable)		
	Brief description of proposed work	Demolition of existing dwelling and construction of 6 flats.	
	Total site Area	190 m ²	
	Total existing impervious area	190 m ²	
	Total proposed impervious area	190 m ²	
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	York Rise	
	Existing drainage connection type and location	Piped to public sewer (assumed)	
	Designer Name	Karl Pitman B.Eng, C.Eng, MCIWEM	
	Designer Position	Director	
	Designer Company	Pitman Associates Ltd	

	2a. Infiltration Feasibility					
	Superficial geology classification		None			
	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)			
0	1 store rainwater for later use	Y	Y			
	2 use infiltration techniques, such surfaces in non-clay areas	Ν	N			
	3 attenuate rainwater in ponds or features for gradual release	N	N			
	4 attenuate rainwater by storing ir sealed water features for gradual results.	Y	Y			
i	5 discharge rainwater direct to a w	N	Ν			
	6 discharge rainwater to a surface sewer/drain	Ν	Ν			
	7 discharge rainwater to the comb	Y	Y			
	2c. Proposed Discharge Details					
	Proposed discharge location	ıblic combined sewer in Dartmouth Park R		mouth Park Ro		
	Has the owner/regulator of the discharge location been consulted?	Yes				



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3a. Dis	charge Rat	es & Required Sto	orage		-		
		Greenfield (GF) runoff rate (l/s)	Existing discharge rate (I/s)	Required storage for GF rate (m ³)	Proposed discharge rate (I/s)		
Qbar		0.08			$>\!$		
1 in 1		0.07	2.6		0.7		
1 in 30		0.19	8		2		
1 in 10	0	0.26	10.6		2		
1 in 10	0 + CC		\geq		2		
Climate	Climate change allowance used		40%				
3b. Prir Contro	3b. Principal Method of Flow Control		Kainwater narvesting tank with piped overflow and geocellular tank with bydroslide CTLVS				
3c. Pro	3c. Proposed SuDS Measures						
			Catchment area (m²)	Plan area (m²)	Storage vol. (m ³)		
Rainwa	Rainwater harvesting		70	\ge	6		
Infiltrat	Infiltration systems		0	$>\!\!\!\!>$	0		
Green	roofs		110	110	0		
Blue ro	ofs		0	0	0		
Filter st	trips		0	0	0		
Filter d	rains		0	0	0		
Biorete	Bioretention / tree pits		0	0	0		
Perviou	us paveme	nts	0	0	0		
Swales	Swales		0	0	0		
Basins/	Basins/ponds		0	0	0		
Attenu	Attenuation tanks		10	\geq	8		
Total			190	110	14		

	4a. Discharge & Drainage Strategy	Page/section of drainage report		
ting Information	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Section 2		
	Drainage hierarchy (2b)	Section1		
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Agreed in principle		
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Sections 3 & 4 and Appendix B		
	Proposed SuDS measures & specifications (3b)	DR-001 Appendix A		
por	4b. Other Supporting Details	Page/section of drainage report		
Sup	Detailed Development Layout	Appendix A		
4.	Detailed drainage design drawings, including exceedance flow routes	DR-001 Appendix A		
	Detailed landscaping plans	By others		
	Maintenance strategy	Section 5		
	Demonstration of how the proposed SuDS measures improve:			
	a) water quality of the runoff?	Section 4		
	b) biodiversity?	Section 4		
	c) amenity?	Section 4		