

GREATER**LONDON**AUTHORITY



1. Project & Site Details	Project / Site Name (including sub- catchment / stage / phase where appropriate)		Land Adjacent to No 86 Camlet Way, Hadley Wood			
	Address & post code		Land Adjacent to No 86 Camlet Way, Hadley Wood, London, EN4 ONX			
			E 525774			
	OS Grid ref. (Easting, Northing)		N 197645			
	LPA reference (if applicable)			22/00627/FUL		
	Brief description of proposed work		Creation of a new 2 storey dwelling, with accommodation in the roof space, means of access with associated parking and landscaping			
	Total site Area		660 m ²			
	Total existing impervious area				0 m ²	
	Total proposed impervious area				290 m²	
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?		No			
	Existing drainage connection type and location		None			
	Designer Name		Phil Tomes			
	Designer Position		Director			
	Designer Compar		Infrastructure Design Ltd			
	3a. Discharge Ra	tes & Required Sto	orage			
		Greenfield (GF) runoff rate (I/s)	Existing discharge rate (I/s)	Required storage for GF rate (m ³)	Proposed discharge rate (I/s)	
	Qbar		discharge	storage for	discharge	
	Qbar 1 in 1	runoff rate (I/s)	discharge	storage for	discharge	
		runoff rate (I/s) 0.3	discharge rate (I/s)	storage for GF rate (m³)	discharge	
	1 in 1 1 in 30 1 in 100	runoff rate (l/s) 0.3 0.2	discharge rate (I/s) 0	storage for GF rate (m ³)	discharge	
	1 in 1 1 in 30	0.3 0.2 0.7	discharge rate (I/s) 0	storage for GF rate (m³) 12	discharge	
	1 in 1 1 in 30 1 in 100	runoff rate (l/s) 0.3 0.2 0.7 0.9	discharge rate (I/s) 0	storage for GF rate (m³) 12	discharge	
Strategy	1 in 1 1 in 30 1 in 100 1 in 100 + CC	runoff rate (l/s) 0.3 0.2 0.7 0.9 allowance used	discharge rate (I/s) 0 0 0 40%	storage for GF rate (m³) 12 12 12	discharge rate (I/s) 2 2 2	
age Strategy	1 in 1 1 in 30 1 in 100 1 in 100 + CC Climate change a 3b. Principal Met	runoff rate (l/s) 0.3 0.2 0.7 0.9 allowance used	discharge rate (I/s) 0 0 40% Utilising adjace	storage for GF rate (m³) 12 12 12	discharge rate (I/s) 2 2 2	
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3. Drainage Strategy	1 in 1 1 in 30 1 in 100 1 in 100 + CC Climate change a 3b. Principal Met	runoff rate (l/s) 0.3 0.2 0.7 0.9 allowance used chod of Flow DS Measures	discharge rate (I/s) 0 0 40% Utilising adjace 2 litres/sec disc	storage for GF rate (m³) 12 12 12 12 ent pump statio charge rate. Plan area	discharge rate (I/s) 2 2 2 2 n with existing Storage vol.	
3. Drainage Strategy	1 in 1 1 in 30 1 in 100 1 in 100 + CC Climate change a 3b. Principal Met Control 3c. Proposed Suf	nunoff rate (I/s) 0.3 0.2 0.7 0.9 nllowance used chod of Flow DS Measures	discharge rate (I/s) 0 0 40% Utilising adjace 2 litres/sec disc Catchment area (m²)	storage for GF rate (m³) 12 12 12 12 ent pump statio charge rate. Plan area	discharge rate (I/s) 2 2 2 2 n with existing Storage vol.	
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	2a. Infiltration Feasibility						
	Superficial geology classification		None				
	Bedrock geology classification		London Clay Formation				
	Site infiltration rate		0 m/s				
	Depth to groundwater level		15 m below ground level				
	Is infiltration feasible?		No				
	2b. Drainage Hierarchy						
2. Proposed Discharge Arrangements				Feasible (Y/N)	Proposed (Y/N)		
	1 store rainwater for later use		N	N			
	2 use infiltration techniques, such surfaces in non-clay areas	us	N	N			
	3 attenuate rainwater in ponds or open wa features for gradual release			Υ	Υ		
	4 attenuate rainwater by storing in tanks of sealed water features for gradual release			Υ	Υ		
2. Pr	5 discharge rainwater direct to a w	atercou	ırse	N	N		
	6 discharge rainwater to a surface sewer/drain	water		Υ	Υ		
	7 discharge rainwater to the comb	ined sev	wer.	N	N		
	2c. Proposed Discharge Details						
	Proposed discharge location sting		rump Station located at No 86 Camlet W				
	Has the owner/regulator of the discharge location been consulted?	YES					
4. Supporting Information	4a. Discharge & Drainage Strategy			Page/section of drainage report			
	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results			Appendix H			
	Drainage hierarchy (2b)			Appendix B			
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location			Appendix G			
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations			Main Body			
	Proposed SuDS measures & specifications (3b)			Main Body and Appendix D			
	4b. Other Supporting Details	Page/section of drainage report					
	Detailed Development Layout	Appendix D					
	Detailed drainage design drawings, including exceedance flow routes			Appendix D			
	Detailed landscaping plans			NA			
	Maintenance strategy			Appendix J			
	Demonstration of how the proposed SuDS measures improve:			Main Body			
	measures improve:	a subs		Main Bo	dy		
	measures improve: a) water quality of the runoff?	- G 30D3		Main Bo	dy		
	·			Main Boo	dy		