



	Project / Site Name (including sub- catchment / stage / phase where appropriate)	Mansfield Bowling Club	
	Address & post code	Mansfield Bowling Club, Croftdown Road, London, NW5 1EP	
	OS Grid ref. (Easting, Northing)	E 528748	
		N 186249	
tails	LPA reference (if applicable)	London Borough of Camden	
1. Project & Site De	Brief description of proposed work	Construction of residential flats and associated hardstanding areas. Development of tennis courts onsite.	
	Total site Area	m²	
	Total existing impervious area	m²	
	Total proposed impervious area	m²	
	Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	No	
	Existing drainage connection type and location	Unknown type, assumed into the combined sewer (locations seen on	
	Designer Name	Finlay Gibson	
	Designer Position	Civil Engineer	

	2a. Infiltration Feasibility					
	Superficial geology classification		No info			
	Bedrock geology classification		Claygate Member			
	Site infiltration rate	N/A m/s				
	Depth to groundwater level	Unknown m below ground		w ground level		
	Is infiltration feasible?		No			
	2b. Drainage Hierarchy					
ments			Feasible (Y/N)	Proposed (Y/N)		
ange	1 store rainwater for later use		Ν	Ν		
Proposed Discharge Arra	2 use infiltration techniques, such as porous surfaces in non-clay areas		Y	Y		
	3 attenuate rainwater in ponds or open water features for gradual release		Ν	Ν		
	4 attenuate rainwater by storing in tanks or sealed water features for gradual release		Y	Y		
2.	5 discharge rainwater direct to a watercourse		Ν	Ν		
	6 discharge rainwater to a surface water sewer/drain		Ν	Ν		
	7 discharge rainwater to the combined sewer.		Y	Y		
	2c. Proposed Discharge Details					
	Proposed discharge location	at two locations into the existing combined				
	Has the owner/regulator of the discharge location been	No				



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Designer Company Nimbus Engineering Consultants.

consulted?



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	3a. Discharge Rates & Required Storage						
rategy		Greenfield (GF) runoff rate (l/s)	Existing discharge rate (l/s)	Required storage for GF rate (m ³)	Proposed discharge rate (l/s)		
	Qbar		\ge	\geq	\ge		
	1 in 1	138.6	138.1		8.9		
	1 in 30	338.7	337.6		8.9		
	1 in 100	440.8	439.3		8.9		
	1 in 100 + CC		\geq	100	8.9		
	Climate change allowance used		40%	40%			
	3b. Principal Method of Flow Control		orifice				
e St	3c. Proposed SuDS Measures						
3. Drainag			Catchment area (m²)	Plan area (m²)	Storage vol. (m ³)		
	Rainwater harvesting		0	\ge	0		
	Infiltration systems		0	\sim	0		
	Green roofs		1256	0	0		
	Blue roofs		0	0	0		
	Filter strips		0	0	0		
	Filter drains		2680	0	11.186		
	Bioretention / tree pits		0	0	0		
	Pervious pavements		0	0	0		
	Swales		0	0	0		
	Basins/ponds		0	0	0		
	Attenuation tanks		0	\geq	99.24		
	T I		2026	0	110 426		

	4a. Discharge & Drainage Strategy	Page/section of drainage report	
	Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results	Section 1.3	
	Drainage hierarchy (2b)	Section 5	
	Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	Section 7	
	Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	Section 7	
	Proposed SuDS measures & specifications (3b)	Section 6	
2	4b. Other Supporting Details	Page/section of drainage report	
2.	Detailed Development Layout	Appendix A	
F	Detailed drainage design drawings, including exceedance flow routes	Appendix A	
	Detailed landscaping plans	N/A	
	Maintenance strategy	Appendix A	
	Demonstration of how the proposed SuDS measures improve:		
	a) water quality of the runoff?	Green Roof and Filter Drains	
	b) biodiversity?	Green Roof and Landscaping	
	c) amenity?	N/A	

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