

Project / Site Name (including sub-catchment / stage / phase where appropriate)		TWO STOREY + SINGLE STOREY EXTENSIONS TO EXISTING VETERINARY CENTRE - ADJACENT HOUSE VETS. PLANNING STAGE	
Address & post code		56 REMBROKE ROAD BUSLIP HA4 8NF	
OS Grid ref. (Easting, Northing)		E 509721 N 187173	
LPA reference (if applicable)			
Brief description of proposed work		TWO STOREY + SINGLE STOREY EXTENSIONS TO SIDE + REAR OF EXISTING VETS.	
Total site Area		918	m ²
Total existing impervious area			m ²
Total proposed impervious area			m ²
Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?			
Existing drainage connection type and location			
Designer Name		MANS - REMBROKE ROAD	
Designer Position		GOODEN DESIGNERS LLP	
Designer Company		"	

1. Project & Site Details

2. Proposed Discharge Arrangements			
2a. Infiltration Feasibility			
Superficial geology / classification	CLAY		
Bedrock geology classification			
Site infiltration rate	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	N		
2 use infiltration techniques, such as porous surfaces in non-clay areas	N		
3 attenuate rainwater in ponds or open water features for gradual release	N		
4 attenuate rainwater by storing in tanks or sealed water features for gradual release	X	X	
5 discharge rainwater direct to a watercourse	N		
6 discharge rainwater to a surface water sewer/drain	N		
7 discharge rainwater to the combined sewer.	N		
2c. Proposed Discharge Details			
Proposed discharge location	REAR LAWN AREA		
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 ³)	Proposed discharge rate (l/s)
Q _{bar}				
1 in 1				
1 in 30		2.3		
1 in 100				
1 in 100 + CC				
Climate change allowance used		40%		
3b. Principal Method of Flow Control				
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	0	0	0	
Swales	0	0	0	
Basins/ponds	0	0	0	
Attenuation tanks	0		260	
Total	0	0	0	0

4. Supporting Information		
4a. Discharge & Drainage Strategy	Page/section of drainage report	
Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results		
Drainage hierarchy (2b)		
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location		
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations		
Proposed SuDS measures & specifications (3b)	SEE WAVIN DETAILS	
4b. Other Supporting Details	Page/section of drainage report	
Detailed Development Layout	SEE SuDS ON DRAWING 09A	
Detailed drainage design drawings, including exceedance flow routes	SEE WAVIN DETAILS SUBMITTED WITH APP	
Detailed landscaping plans	SITE HAS ESTABLISHED PLANTING	
Maintenance strategy		
Demonstration of how the proposed SuDS measures improve:		
a) water quality of the runoff?		
b) biodiversity?	N/A	
c) amenity?	LAWN AREA	