GREATER**LONDON**AUTHORITY

1. Project & Site Details

Project / Site Name (including sub-catchment / stage / phase where appropriate)	69 WALFORD ROAD
Address & post code	69 WALFORD ROAD UXBRIDGE UB8 2NQ
OS Grid ref. (Easting, Northing)	E
	N
LPA reference (if applicable)	75409/APP/2023/2030
Brief description of proposed work	Demolition of Detached Bunglow whilst retaining existing rear extension Erection of two storey dwelling with Habitable roof space, Rear Dormer and 1 front roof light
Total site Area	301 m^2
Total existing impervious area	258 m^2
Total proposed impervious area	258 m^2
Is the site in a surface water flood risk catchment (ref. local Surface Water Management Plan)?	NO
Existing drainage connection type and location	FOUL WATER - EXISTING MAINS SURFACE WATER - SOAKWAYS
Designer Name	SUKHDEV BHARAJ
Designer Position	
Designer Company	

2. Proposed Discharge Arrangements

2a. Infiltration Feasibility

Superficial geology classification	Superficial deposits - Langley Silt Membr Clay and Silt and Lynch Hill Gravel
Bedrock geology classification	London Clay formation Clay, Silt and Sand
Site infiltration rate	N/A m/s
Depth to groundwater level	NOT FOUND m below ground level
Is infiltration feasible?	NO

2b. Drainage Hierarchy

	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.	N	N

2c. Proposed Discharge Details

Proposed discharge location	SOAKWAY AT REAR & SOAKWAY AT FRONT
Has the owner/regulator of the discharge location been consulted?	YES

3. Drainage Strategy

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)*
Qbar				
1 in 1				
1 in 30				
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^3)*	*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		0
Total	**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	REFER TO BH LOGS
Drainage hierarchy (2b)	SOAKWAYS
Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location	REFER TO DRAWING
Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations	NOT PROVIDED AS COND'N IS LIKE FOR LIKE
Proposed SuDS measures & specifications (3b)	REFER TO DRAWING
4b. Other Supporting Details	*Page/section of drainage report*
Detailed Development Layout	SEE DRAWINGS
Detailed drainage design drawings, including exceedance flow routes	BLUE ARROW ON SOAKWAY
Detailed landscaping plans	SEE DRAWING
Maintenance strategy	EVERY 6 MONTHS CLEANING
Demonstration of how the proposed SuDS measures improve:	
a) water quality of the runoff?	LOW RISK CONTAMINATION
b) biodiversity?	NO CHANGE
c) amenity?	GRASSED AREA OVER