

| | | | | |
|---------------------------|---|-------------------------------------|--------------------|--|
| 1. Project & Site Details | Project / Site Name (including sub-catchment / stage / phase where appropriate) | 61 COMPTON ROAD | | |
| | Address & post code | 61 Compton Rd London N21 3NU | | |
| | OS Grid ref. (Easting, Northing) | E | | |
| | | N | | |
| | LPA reference (if applicable) | | | |
| | Brief description of proposed work | Rear Extension with Flat Green roof | | |
| | Total site Area | | 552 m ² | |
| | Total existing impervious area | | 132 m ² | |
| | Total proposed impervious area | | 149 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 | Mains | | |
| | Designer Name | Saadain | | |
| | Designer Position | Architect | | |
| | Designer Company | RPR Planning Ltd | | |

| | | | |
|---|--|-----------------------|-----------------------|
| 2. Proposed Discharge Arrangements | 2a. Infiltration Feasibility | | |
| | Superficial geology classification | London Clay | |
| | Bedrock geology classification | | |
| | Site infiltration rate | m/s | |
| | Depth to groundwater level | 3 | m below ground level |
| | Is infiltration feasible? | | |
| | 2b. Drainage Hierarchy | | |
| | | <i>Feasible (Y/N)</i> | <i>Proposed (Y/N)</i> |
| | 1 store rainwater for later use | | Y |
| | 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 | | Y |
| | 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 | Bottom of Garden in a Designed soakaway | | |
| Has the owner/regulator of the discharge location been consulted? | No need private land | | |

| 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 | | | | |
| 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 | 111 | | 40 | |
| Infiltration systems | 0 | | 0 | |
| Green roofs | 38 | 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 | 38 | 0 | 0 | |
| Swales | 0 | 0 | 0 | |
| Basins/ponds | 0 | 0 | 0 | |
| Attenuation tanks | 0 | | 0 | |
| Total | 187 | 0 | 40 | |

| 4a. Discharge & Drainage Strategy | Page/section of drainage report |
|---|--|
| Infiltration feasibility (2a) – geotechnical factual and interpretive reports, including infiltration results | n/a |
| Drainage hierarchy (2b) | permeable Paving and Attenuation tank |
| Proposed discharge details (2c) – utility plans, correspondence / approval from owner/regulator of discharge location | N/A |
| Discharge rates & storage (3a) – detailed hydrologic and hydraulic calculations | N/A |
| Proposed SuDS measures & specifications (3b) | Permeable Paving and Grassed |
| 4b. Other Supporting Details | Page/section of drainage report |
| Detailed Development Layout | |
| Detailed drainage design drawings, including exceedance flow routes | |
| Detailed landscaping plans | Permeable Paving and Front rest is gra |
| Maintenance strategy | Self maintaining tank, cleaning patio. |
| Demonstration of how the proposed SuDS measures improve: | to main drains, Rainwater butts will hel |
| a) water quality of the runoff? | N/A |
| b) biodiversity? | N/A |
| c) amenity? | N/A |