

Notes:

- Do not scale from this drawing.
- All dimensions are in millimeters unless otherwise stated.
- This drawing to be read in conjunction with all other relevant drawings and documents.
- All drainage to be constructed to SSG Design and Construction Guidance, current British standards and building regulations and other relevant standards.
- Exact locations of rain water downpipes and other internal drainage down pipes to be confirmed by architect / M&E engineer. Rain water pipe connections to have rodding access, sump and grated cover. Rain water pipes to discharge directly to permeable paving surface. Above ground drainage and pipes to be designed by M&E engineer.
- Contractor to confirm locations of existing services prior to commencement on site and to arrange for any necessary diversions, lowering or protection works as required.
- All specialist drainage components such as permeable paving and flow control to be designed and installed as per manufacturers requirements.
- Cover levels to be confirmed by landscape architect. Cover levels and invert levels are in meters unless otherwise stated. If cover levels change from assumed then drainage design should be re-assessed, especially in regards to extreme events.
- Private surface water pipes to be 100Ø with minimum fall of 1:100 unless otherwise stated.
- Permeable paving and outlets to be as manufacturer design and recommendations.
- Proposed ground levels will influence the storage capacity of the permeable paving and the position of the drainage pick up features. When proposed ground levels are complete the permeable paving design should be reviewed to ensure sufficient storage is provided and that the drainage pick up features are positioned correctly.
- Permeable paving sub-base should fall towards the drainage pick up features. Perforated pick up drains should fall towards the discharge point.
- Minimum cover to thermoplastic pipes in garden or patio areas 0.6m, in driveway 0.9m, in road 1.2m, otherwise concrete protection will be required.
- Access chamber cover class A15 for garden and patio, B125 for driveway, C250 for lightly trafficked roads or small private car parks.
- As the site has previously been developed an existing suitable discharge point may already be present on the site. A survey of existing drainage should be undertaken to confirm.
- Design is for planning purposes only and not for construction. Design should be confirmed prior to construction to ensure all available information is considered and any assumed information should be verified.
- Design should be reviewed in light of any additional information or on validation or otherwise of any assumptions.

Drainage Strategy

- Drainage strategy consists of rain water harvesting butts, permeable paving and controlled discharge to a surface water sewer via a new connection.
- Permeable paving will discharge via perforated pick-up drains. Base of storage sub-base to fall towards the perforated pick-up drains, all as manufacturer's design.
- Surface water will discharge to the nearby surface water sewer via a new connection, subject to agreement by Southern Water.
- Discharge rate will be controlled by hydrobrake to 1 l/s, subject to approval. 1 l/s is as close to the Greenfield 1 year run off rate as possible without causing flood risk due to blockages. It is also a significant improvement on the 100 year Greenfield runoff rate (3.1 l/s).

