Flood Risk Assessment
18 Redford Avenue, Horsham, RH12 2HJ

Site Gradient

The site has a considerable slope away from the main house, meaning all surface water will fall away from the house and proposed extension.

Floor Levels

The proposed extension will have a minimum of 150mm step up into internal floor levels to prevent water ingress. This is standard for all properties along the road and typical for this type of domestic extension. The design will be further reinforced from flooding with the use of aco-drains in front of all building openings.

Drainage Strategy

The proposed design will include all necessary drainage details including guttering, sufficient roof pitches and will drain into the existing system and soakaways which currently exist on site.

Proposed Roof Surface Area

When considering the surface area of the existing building, the proposed design will have minimal increase to the overall roof surface area (part demolition of existing garage). The surface water increase will therefore be minimal and have no detrimental impact on the floor risk zone.