

## **PURPOSE**

Investigate and advise on the most appropriate surface water drainage solutions and provide two reports. These will identify how the Mandatory Elements of the Code for Sustainable Homes (CSH) Category 4: Surface Water Run-off Sur1 (Management of Surface Water Runoff from developments) will be achieved; satisfy the mandatory evidence requirements for Sur1 and could achieve the 2 credits available for Sur2 (Flood Risk).

## **INCLUDED ITEMS FOR EA FLOOD ZONE 1 (< 1 Ha)**

- Review existing drainage records provided by Client.
- Advise on location and Building Regulation Part H percolation test method.
- Analyse percolation test results to determine suitability for soakaways.
- Assess the impermeable areas and calculate the peak rates of run-off in accordance with the CSH (Sur1).
- Calculate the volume of run-off pre and post-development and identify how the additional volume could be dealt with (by infiltration, rainwater recycling or attenuated discharge) in accordance with the CSH (Sur1).
- Consult with Environment Agency, Sewerage Operator, Highway Authority, Planning Authority, Building Control and land owners if appropriate.
- Level 1 FRA – Screening Study to identify any flooding or surface water management issues or confirm the site is at low risk of flooding.
- Assess options for the site.
- Provide general information on the options available e.g. adoption, SUDS.
- Provide conclusion of anticipated solutions for development surface water disposal.
- Recommend next steps to be undertaken in the detailed design.
- Provide completed CSH Sur1 Summary Template.

## **SUPPLEMENTARY ITEMS EXCLUDED FROM STANDARD FEE – WE WILL ADVISE IF REQUIRED**

### **AT THIS STAGE**

- Fast-Track 2 day service.
- Official Developer Enquiry to Sewerage Operator.
- Foul sewerage investigations.
- Service enquiries and investigations.
- Site visit.
- Cost of Contractor's plant, equipment and materials.
- Arranging and monitoring the BRE Digest 365 soakaway tests.
- Topographical survey.
- Detailed Design and Designer's Risk Assessment.

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