

## **Tweseldown Infant School Strategic Drainage Statement**

### **General**

The proposed development consists of the design and construction of a 3 Form Entry Primary school with future provision for an extension to become a 4 Form Entry school. The site is located within the proposed redevelopment of the Queen Elizabeth Barracks at Church Crookham, Fleet in Hampshire.

The proposed development will consist of approximately 872 dwellings, a local centre including an energy centre and 2 hectares of business development along with the proposed primary school.

The proposed school site lies within flood zone and is over 1Ha in size and therefore would normally require a Flood Risk Assessment to be carried out. After consultation with the Environment Agency, because the school site is described in the overall Queen Elizabeth Barracks Redevelopment Flood Risk Assessment then a site specific FRA is not required.

The drainage proposals for the scheme will be carried out in accordance with the information supplied in the Queen Elizabeth Barracks Flood Risk Assessment and Drainage Strategy, Environment Agency requirements and advice, the developer's master plan layouts, appropriate SUDs' methods and relevant design standards and guidance.

### **Foul Water**

After reviewing the proposed foul water drainage strategy, the proposed foul water flows from the school will discharge unrestricted into a public foul sewer located in the carriageway outside of the school boundary to the north side of the school.

### **Surface Water**

After reviewing the proposed surface water drainage strategy, the proposed surface water run off from the school will discharge at a restricted rate into an adopted surface water sewer which runs from the school access up to Sandy Lane and then discharges in to the existing ditch to the right hand side of this road just before the road junction with Sandy Lane. From ground investigation results received for the whole development, infiltration to ground is not a viable option, although if on site infiltration test results prove different, then a number of SUDS systems will be implemented to control the surface water run off from the site. An attenuation/overflow basin is proposed along with an attenuation tank, to store the surface water prior to it discharging to the existing ditch.

### **Overview**

Where practical and dependent on site investigation results and proposed levels, SUD's features will be used to control the proposed surface water from the site. This will be in the form of attenuation basins, swales, porous paving and alike. The maximum discharge rate from the site will be as set out in the above strategy and after consultation with the relevant parties.