



6th Form Centre, Barnsley College Drainage and Flood Risk Statement

Dec 2013

Drainage

Consultation with Yorkshire Water and Barnsley Council should be made in respect of the proposed development. Permitted discharge rates will be set by these consultees in conjunction with the available capacity in the offsite infrastructure and local planning policy in respect of drainage and flood risk.

The new drainage for Barnsley College 6th Form Centre will be developed with separate systems for foul and surface water. Below ground drainage systems are to be designed to the standards of BS EN 752 – Drain and Sewer Systems Outside Buildings. Under slab drainage including main runs and subsidiary branches are to be designed to flow rates determined from the standard BS EN 12056 – Gravity Systems Inside Buildings. The surface water discharge mechanism should be implemented in accordance with the order of hierarchy as defined in Part H of the Building Regulations. This being Soakaway – Watercourse – Sewer, and each of these mechanisms should be investigated based on site specific ground investigation to determine if the disposal mechanism is feasible. Any SUDS features used for the site will be designed in accordance with the design guidance in CIRIA 697 - the SUDS Manual.

Flood Risk

The proposed development is less than 1Ha in area and is located outside of Flood Zone 1 as defined by the Environment Agency. A Flood Risk Assessment is therefore not required for planning. However, dependant on the proposed BREEAM accreditation the college is targeting, a flood risk statement may be required to claim the relevant drainage credit.