

Loves Farm

This 63 ha site was granted permission in 2012. This has been developed to provide 110 houses, a food store, 6 retail units, a service yard and associated car parking and access. A large scale SuDS scheme has been implemented featuring shallow swales and 7 balancing bonds providing both temporary and permanent storage.

The site utilises shallow swales to convey surface water to surrounding watercourses at a controlled rate. Swales reduce the flow rate of surface water by providing a vegetation buffer and increasing friction. Swales also provide a level of surface water treatment by filtering and trapping debris, which is particularly important when discharging to a watercourse.

The site includes seven balancing ponds of varying sizes across the site, which are fed by numerous watercourses and swales. This includes a temporary storage attenuation basin with surrounding bunds. This is used as a public open space for most of the time, being used for attenuation only during high intensity rainfall events. During such events, surface water is stored here and released slowly into surrounding watercourses at a controlled rate. Surface water is stored in the balancing ponds before being released into Fox Brook at Greenfield runoff rate.

