

Fort Estates Limited

Crabtree Farm, Off Hinckley Road, Barwell

Fort Estates Limited

Condition 5 Surface Water Management During Construction
51 Unit Application – APP/K2420/W/22/3308175

April 2023

Existing Surface Water Drainage

The current surface water drainage is predominately operational via the network of perimeter field ditches that outfall into a partially culverted ditch course running parallel with Hinckley Road.

Proposed Sustainable Surface Water Drainage Scheme

There will be a new surface water drainage scheme (to be submitted and approved under Condition 4) provided to service the new residential development.

This design will include mains surface water sewers laid throughout the area bringing surface water back to a point of outfall.

Prior to this point of outfall, there will be measures to withhold excessive flow volumes with on-site storage in pipes and attenuation crates. Surface water will then flow into an Attenuation Basin located near to Hinckley Road.

From this basin, water flow discharge will be restricted as approved by Severn Trent Water and the FFLA and will either discharge into the existing adopted surface water sewer system, or into the existing culverted ditch course already draining the site.

Construction Period

The new surface water drainage system will be installed and constructed during the initial period when the site roads are constructed to allow access to the development. Therefore, any areas of natural ground replaced by hard surfaces will flow into the new system.

Existing soft areas will continue to drain into the current perimeter ditch courses allowing the existing drainage to continue as previous.

During the construction phase the existing perimeter ditch courses will be cleaned out removing all historic debris and detritus thereby improving the natural 'suds' drainage.