

Working with our client, Greenview Environmental, CCL played a major role in the construction of a new £6m in vessel composting (IVC) facility in Derbyshire.

Acting as lead consultant on the project, we worked closely with the main contractor on the new facility which forms part of a second phase development and extension of the site's existing waste transfer station.

We provided full M&E, civil and structural engineering services for the project. This included the construction of the IVC facility, which consists of precast concrete tunnel structures combined with traditional steelwork portal frame structures, incorporating in-situ reinforced concrete push walls and foundations.

In accordance with the strict regulations set down by the Environment Agency (EA) for facilities of this nature, the strategy devised by us for the drainage infrastructure ensures that all process and run-off water generated by the IVC facility is appropriately segregated, controlled and discharged. This has allowed Greenview Environmental to satisfy the EA's requirements and successfully obtain an operational license.

The independent drainage system is designed to control the infiltration of leachate water from process areas and discharge it to appropriately specified holding tanks for recycling and disposal by road tanker. The surface water drainage system is designed to receive run-off water from roofs and clean external paved areas only and discharge it, with limited on-flow, to an interface with the existing surface water system.

The surface water drainage system and site topography are designed to manage all water generated by the site in rainfall events up to and including a 1 in a 100 year storm. Floodwater is controlled in bespoke low-lying hardstanding areas, ensuring that the process building areas are safe in the event of flooding.



If you require further information on how Canham Consulting Limited can help you on your project please contact us on 01603 430650 or alternatively email us at mail@canhamconsulting.co.uk