

### Stafford Infrastructure Engineering

Stafford Infrastructure Engineering (SIE) is an independent consultancy with over 35 years experience in the development of commercial and more particularly residential sites.

#### The Challenge

The recent EU Landfill Directive aims to change the way we dispose of waste by encouraging more recycling. Currently the UK is lagging behind most of Europe in terms of recycling and more recycling centres are needed to meet our targets.

The construction of a recycling centre in Lincolnshire needed to show how large refuse vehicles could negotiate the site and weighbridge whilst maintaining a safe working environment for the staff. This included demonstrating how the refuse vehicles would affect access to staff parking areas.

#### The Solution

Until very recently SIE's requirement for AutoTrack has been insufficient to justify purchasing a copy and so for several years they have been kept users of our bureau service. They called upon this service again for this project.

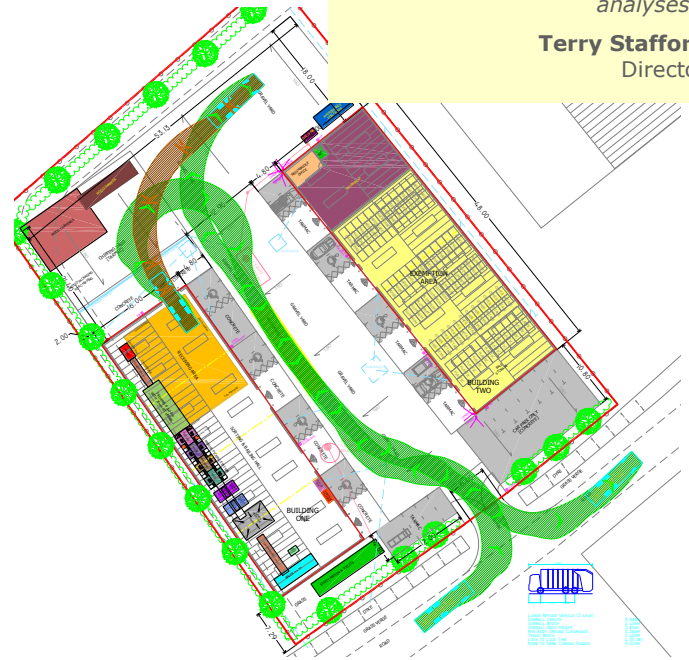
AutoTrack's European vehicle library includes over 20 refuse vehicles of various sizes and configurations to suit all scenarios.

In this case SIE chose a large 3 axled refuse vehicle and it was tested entering the site onto the weighbridge, reversing up to the recycling bins, and then exiting the site, again via the weighbridge.

The forward and reverse turning tracks were shown in different colours to highlight these parts of the manoeuvre. The resulting plot shows clearly that ample space has been provided for the refuse vehicles to turn safely without compromising staff parking or safety.

*"The bureau service at Savoy Computing met our needs for many years but we have now purchased our own copy of AutoTrack due to the increased requirement for swept path analyses."*

**Terry Stafford**  
Director



#### Why SIE use AutoTrack:

- Large library of standard vehicles
- Easy to create new vehicles
- Wide variety of reporting options.

**Autodesk**  
Preferred Industry Partner  
AutoCAD® Civil 3D®



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