

Case study

M181 / Burringham Road Highway Improvements

The Lincolnshire Lakes scheme plans the development of six new waterside villages, featuring recreational lakes, artificial beaches, shopping centres, schools, cafes, pubs, hotels, restaurants, and over 7,000 new homes.

To facilitate the development of the site, a new junction was required on the M181, connecting the motorway to the B1450 Burringham Road.

The design of the new roundabouts involved balancing traffic flow, accommodating various vehicle types, and implementing safety measures, while addressing environmental concerns and cost effectiveness. Successful navigation of these challenges required adherence to national and local guidelines and collaboration with National Highways, North Lincolnshire Council, the landowner, the Environment Agency, and the local Drainage Board.

Alan Wood & Partners provided the full S38 and S278 adoptable highway design works, including drawings to show site clearance, surfacing, kerbing, horizontal and vertical alignment, proposed levels, gully locations, drainage, attenuation basins and SuDS, as well as milling, regulating and re-surfacing, white lining and signing. We undertook Vehicle Restraint risk assessments and advised on the landscaping, verge treatment and embankments' geotechnical design. We also completed a drainage related Departure from Standards.

We also provided support during the construction phase, attending progress meetings, undertaking site inspections to validate construction quality and ad-hoc technical assistance to North Lincolnshire Council.



Location:
Scunthorpe



Client:
Maltgrade Ltd/ North
Lincolnshire Council



Architect:



Value:
Circa £11m



Civil
Engineering

Structural
Engineering

Geotechnical and
Geoenvironmental
Engineering

Engineer /
Manage /
Deliver /