

Case study

Residential Development

Vistry and Strata's house development in Beverley is a noteworthy residential project, consisting of around 750No. plots to the south of Beverley.

Alan Wood & Partners (AWP) has been involved in the development since the 2015 planning stage.

Designing roads, sewers, and Sustainable Drainage Systems (SuDS) for residential developments involves complex engineering and logistical challenges. Sewer systems must efficiently manage both surface water and wastewater while meeting environmental and regulatory standards. Integrating SuDS requires innovative flood management and water quality solutions. Securing S104 and S38 approvals requires collaboration with local authorities like East Riding of Yorkshire Council, Yorkshire Water, and the Beverley and North Holderness Internal Drainage Board. The project demands careful planning, ongoing coordination, and adaptability as the design evolves, ensuring accuracy and compliance with updated requirements.

AWP provided the Flood Risk and Drainage Assessment during the planning phase and later managed the S104, S38, private drainage, and external works in three phases, ensuring continuity in levels, drainage, and alignment. A roundabout off the Beverley bypass, the spine road, and Park & Ride bus access, were also part of the design package, as was foundation designs specific to each house's conditions and load requirements, plus earthworks for embankments, highways, and plots, based on geo-environmental and civil requirements.



Location:
Beverley



Client:
Vistry (Linden Homes)
and Strata



Architect:
STEN and in-house
teams



Value:
£26m



Civil Engineering Structural Engineering Geotechnical and Geoenvironmental

Engineer /
Manage /
Deliver /