INFINITY GARDEN VILLAGE

KEY FACTS

CLIENT
CONSORTIUM OF DEVELOPERS / LOCAL AUTHORITY PARTNERS

YEAR COMPLETED
2019

ARCHITECT
SGP

SIZE
450HA

PROJECT DESCRIPTION

Infinity Garden Village in Derbyshire is one of the first 14 identified garden villages by the government and comprises 3,500 dwellings, over 4 million sq ft of employment development and a secondary school. To accommodate this level of development, a significant amount of infrastructure is required including a new link road and new junction on the strategic road network. BWB is appointed to support the planning application for the new infrastructure including the link road and new junction. Derbyshire County Council will be the applicant for the new infrastructure. Our work covers transport planning, highway design, flood risk, drainage, ground conditions, noise, and air quality.

BWB has been heavily involved in the consultation with key stakeholders for the project. This has included three local authorities, Highways England and the private sector partners. This work has included attending regular meetings to provide progress updates and providing technical advice and guidance to the team covering constraints mapping, highway design to inform the masterplan, flood modelling and drainage design to inform the masterplan, detail engagement and agreement with the technical consultees.

SERVICES PROVIDED

Air Quality Surveys and Assessments
Civil Engineering
Digital Constraints and Asset Mapping
Transport Planning
Drainage Strategies
Flood Alleviation and Mitigation Design
Geotechnical Engineering
Ground Improvement
Utilities
Heritage/Archaeology Surveys
Masterplan Engineering

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KEY CHALLENGES & SOLUTIONS

The key task was to convince Highway England and the Department for Transport of the need for the new junction on the Strategic Road Network. This work has included strategic transport modelling, detailed modelling of the impact and operation of the junction, detailed design of the junction both vertically and horizontally to demonstrate that the junction is deliverable.

KEY CONTACTS

Iqbal Rassool
MOB: 07717 897550

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