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CREDENTIAL DOCUMENT

SPECIALIST CIVIL AND STRUCTURAL ENGINEERS



ABOUT LINK

We are a growing engineering consultancy and we love challenges.

OUR VISION

To provide our clients with consistent and cost-effective engineering solutions, through proactive design and technical expertise.

OUR VALUES

We are proud to be engineers; we work smart, efficiently and are always developing our knowledge. We build trust with our clients by being consistently honest, hard-working, dependable and factual. We genuinely care about each other, our clients and the environment. We are dedicated to our personal development and to leading and growing our business in a way that makes us all proud and brings us success.





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OUR SERVICES

Link undertakes all aspects of design, from initial proposals, through pre-planning, planning, to detailed design.

PLANNING SUPPORT

- ▶ Outline adopted access / offsite highway mitigations
- ▶ Master-planning highways input
- ▶ Site access appraisals
- ▶ Departures from standard recognition
- ▶ Road safety audit designer response and accident analysis
- ▶ Flood risk assessments
- ▶ Foul and surface water drainage strategies
- ▶ Sustainable drainage design (SUDS)
- ▶ Specification of site investigations / surveys
- ▶ Transport assessments
- ▶ Air and Accoustics

CIVIL ENGINEERING DESIGN

- ▶ Link and junction design including priority, traffic signalised, roundabout and grade separate junctions to DMRB
- ▶ Offsite highway improvement schemes (Section 278)
- ▶ Onsite adoptable (Section 38) and private highway designs
- ▶ Lighting, signage and carriageway marking design
- ▶ S278 Utility diversion co-ordination
- ▶ Departures from standard
- ▶ Onsite adoptable foul and surface water (Section 104, S185) and private drainage designs
- ▶ 3D levels, volumetric cut/fill and concept visulation
- ▶ External works, hardstandings, car parks, roadways and concrete yard design
- ▶ Retaining structures and ground slopes stability

STRUCTURAL ENGINEERING DESIGN

- ▶ Structural design of new buildings
- ▶ Concrete structures
- ▶ Steel structures
- ▶ Foundation design
- ▶ Calculations and drawings for building regulation submission
- ▶ Reviewing structural design work
- ▶ Preparation of specifications for building operations

BUILDING INVESTIGATION

- ▶ Design of structural modifications to existing buildings
- ▶ Investigation of structural defects in buildings
- ▶ Design of remedial works to defective structures
- ▶ Structural appraisal of fire or other damage
- ▶ Water ingress / damage to structures
- ▶ Services, landlord and tenant
- ▶ Heritage buildings
- ▶ Other buidling services

EXPERT

- ▶ Defect investigation
- ▶ Dispute resolution
- ▶ License to alter
- ▶ Promotion support

OUR TEAM

We're really proud of our team; we have a variety of experience and technical skill and we are committed to investing in junior team members to support Link's future growth. As a team, we genuinely **care** about each other, our clients and the environment.



ROBERT GILL
DIRECTOR

MEng (Hons) CEng MICE



NICK MOORE
DIRECTOR

MEng (Hons) CEng MICE



DAVID FRSIBY
DIRECTOR

BEng CEng FCIHT



JESSICA MOORE
OPERATIONS MANAGER

BA (Hons) MCIPD



NICK HIRSCHMAN
DIRECTOR

BSc (Hons) CEng MIStructE



SIMON CURTIS
DIRECTOR

BSc (Hons) CEng MIStructE

OUR TEAM



MARK BROCK
CONSULTANT

Eur Ing BSc (Hons) PhD CEng MICE



MARK EDWARDS
DIRECTOR

FCIHT



CHRIS HADJIVASSILIOU
ASSOCIATE

MEng (Hons) CEng MICE



KARISHMA LALLY
SENIOR CIVIL ENGINEER

MEng (Hons) CEng MICE



VALENTIN IVANOV
CIVIL ENGINEER

MEng (Hons)



JASON GIBBONS
SENIOR DESIGN TECHNICIAN

EngTECH MICE



OUR TEAM

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WILL TALBOT
GRADUATE ENGINEER

MEng (Hons)



JAS JOHAL
GRADUATE ENGINEER

BEng (Hons)



JAMES HALL
UNDERGRADUATE ENGINEER



JACK KNAPTON
APPRENTICE CIVIL ENGINEERING
TECHNICIAN

NICK MOORE

MEng (Hons) CEng

Director

Nick is an experienced Engineer and has been the design lead on a variety of multiple-disciplinary high profile projects.

Nick uses his experience of the technical disciplines and knowledge of the planning system to guide developments from the early stages of projects through the completion.

Nick is often sought out by clients for his expertise and ability to navigate and distill complex technical and approval matters. He has vast experience of negotiating planning consents and technical approvals with a range of authorities.

He has also undertaken environment impact assessments supporting developments, attended planning appeals against refusal of planning permission and has a good working knowledge of current national policies and design standards.



AREA 10 SOUTH MILTON KEYNES

REDLAWN LAND LIMITED

Building on established relationships, Link were appointed to assist Redlawn Land Limited (a joint venture between Milton Keynes Council and L&Q Estates) to design the strategic infrastructure to support the delivery of the Western Expansion Area in Milton Keynes.

The work included the design of roads and drainage infrastructure in the Area 10 South part of the development to support the delivery of 1,500 homes, a primary school and community facilities.

The Link team, led by Nick, worked proactively with the client team with a regular dialogue via technical workshops and interaction with Milton Keynes Council and the water company, Anglian Water Services. This engagement led to the generation of several significant value engineering options including reduction in roundabout sizing and rationalising drainage proposals.

LYONS PARK COVENTRY

GOODMAN

Link was appointed by Goodman to support the design of an additional, 9ha phase on the site.

Link's involvement included:

- Site appraisal to identify risk and cost elements with regards to access, drainage and earthworks;
- Site visits and support during demolition works;
- Flood Risk Assessment and Drainage Strategy to support planning;
- Site 3D earthworks design to inform levels and achieve cut/fill balance;
- Detailed civil and structural engineering design to support tender;
- Detailed liaison with client and tendering contractors;
- Extended review of the proposed ground improvement works;

Link were novated the appointed contractor to provide value engineering options throughout construction.



I am passionate about the role civil engineering can play in changing our environment, providing infrastructure, housing and jobs as sustainably as possible and for the benefit of future generations. I enjoy being involved in multi-disciplinary projects from an early stage and helping our clients realise their ambitions

GATEWAY SOUTH COVENTRY

SEGRO / CWDP

This project involved the redevelopment of 180ha land formerly used as landfill & sewer treatment works to 3.5m sqft of storage, distribution and B8 facilities.

Work included 4.5M m³ of earthworks for development plateaus, landscape bunds and cut/fill balance.

Nick managed the S278 highway design for 1,700m of link road, including a roundabout & multiple junctions. The Link team also provided the detailed design of private estate roads, sustainable drainage and a foul pumping station.

Link acted as the lead designer responsible for coordinating value engineering meetings to eliminate risks and promote the scheme's sustainability.

ROBERT GILL

MEng (Hons) CEng

Director

As a confident Chartered Engineer, Robert has been involved in and lead numerous major commercial and residential infrastructure developments in the private sector.

Roberts' wide range of experience in drainage, highways and earthworks, at both pre and post planning, equips him in being able to consider holistic scheme opportunities and constraints to engineering design during the full development design cycle using modern design practices and software.

Roberts' proactive and energetic approach to project delivery and communication paralleled to his firm understanding of individual and group management enables him to effectively and lead multidisciplinary schemes working towards a common goal.



WARSTOCK ROAD KINGS HEATH

WINVIC / GODWIN

Link supported WinVic Construction, as novated Engineers, in obtaining detailed Section 278 design Technical Approval with Birmingham City Council for the principle site access into a new Lidl store off Warstock Road, Kings Heath.

This included the offsite modifications to an existing roundabout to enhance infrastructure capacity as a result of the proposed development. In addition, Link were appointed to co-ordinate offsite utility diversions (C3 & C4 Utility diversion cost estimates) as a result of the proposed impact associated with the highway modifications.

Following construction, Robert and his team commissioned and undertook a Stage 3 Road Safety Audit to allow the maintenance period to begin on these works.

STALLINGS LANE KINGSWINFORD

KEEPMOAT HOMES

Link were appointed by Keepmoat Homes to prepare and obtain Section 278 Technical Approval for a 40m ICD roundabout as the primary access off Stallings Lane .

The proposed detailed design, in accordance with Design Manual for Roads and Bridges and Dudley Metropolitan Borough Council design standards, was prepared in line with the consented planning application details.

Detailed design included 2D and 3D designs and setting out, drainage analysis of the proposed impact to the existing highway drainage, pavement and kerbing constructions, road markings and signage to TSRGD, Street Lighting and Stage 1/2 Road Safety Audit responses.

Link continued to support this development through to construction providing technical advice in relation to contractor queries associated with the approved design.



Being part of Link gives me the opportunity to deliver projects in the manner and to the highest standard I expect of Engineers today along with an ability for me to shape the way we work from the beginning of the company's life

CALEDONIA ROAD LYE

RUSKIN PROPERTIES

Link were appointed to under a detailed earthworks design and volumetric assessment of this former STW sewerage works in support of a 238 unit residential development consisting of both houses and apartments, with associated access road, bridge reinstatement, POS and amenities. Earthworks consideration towards Coal Authority Mineshaft works, Environment Agency floodplain constraints and existing topography & ecology all formed constraints in relation to the design.

The foul and surface water drainage strategy was completed to meet the Black Country Core Strategy with the necessary inclusion of both above and below ground surface water attenuation. This include the proposed S185 diversion of both existing foul and surface water sewer to maximise the development area.



NICK HIRSCHMAN

BSc, CEng, MStructE

Director

As a Director at Link, Nick has the responsibility for the day to day design and management of all aspects of construction projects including strategic planning; staff and personnel matters; health & safety and quality.

Nick has direct involvement in projects to develop civil and structural solutions that harmonise closely with the Environmental, Architectural, commercial and functional design drivers of the developments.

As a Civil and Structural Design Engineer, Nick considers robust structural integrity as being a pre-requisite of all construction activities and understands that it is his role in the design team to champion the civil and structural performance. Nick regularly attends project and design meetings, as well as visiting sites prior to and during construction.

LYONS PARK COVENTRY

GOODMAN

Structural design of distribution warehouse for Goodman, including building foundations & substructures together with perimeter building envelope and site boundary retaining structures.

Foundation solution required with careful ground improvement on multi-layered fill.

Later landlord tenant "licence to alter" interface for JLR extensive manufacturing fit out for innovative battery technology facility, which included new piled foundations through existing building slabs to support multi-storey mezzanines and plant support platforms.

UNICORN HOUSE STAFFORD

UNICORN ABRASIVES

Structural investigation and design for alterations to existing buildings.

The work included modification and extension of existing steel frames with new piled foundations, formed through existing foundations & separated from them, as well as piled machine bases incorporating vibration attenuation using anti vibration bearings.

New cranes were installed in the building with foundation and frames (interfacing with building frames) being required for specialist crane support elements. Some areas of existing internal & external concrete slabs were extensively repaired and modified in places this was required to accommodate new process drainage, but also to enhance the abrasion, heat & chemical resistance of the floor which would be affected by process activities.



Structural engineering involves making sure that all the forces which need to be supported can safely be resisted. When that applies to buildings, the consequences of any failure can be calamitous. To be able to sleep well at night, I work hard during the day to make sure the engineering is done well by everybody involved.

RAYBESTOS PLANT SPEKE

RAYBESTOS

Structural feasibility investigation and assessment and later detailed design of alterations to existing building, for conversion to clutch manufacture for Raybestos.

This included roof modifications (increased height) with new structural framing supporting revised roof geometry & providing alternative supporting load paths for existing structures.

Some roof modification included services and process support elements. New machine bases included vibration isolation bearings and mass vibration attenuation.

Previously existing internal and external floor slabs were either replaced or repaired. Concrete slabs in some areas were required to have chemical and abrasion resistance to suit the processes.

INTRODUCING



A UNIQUE WAY OF WORKING AT LINK

Link has grown rapidly. To maintain a consistently excellent service to every client, we developed FLOW, a way of working which enables the knowledge and experience accumulated by team members to be shared across our whole team quickly and succinctly.



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WORKFLOWS

Very simply, we have created guides, videos, and road maps for pretty much everything we do so that we can deliver smartly and consistently.



REVIEW

Before work is issued, a thorough assessment by another team member takes place to ensure it's technically sound and tailored to the specific needs of our clients.



LINK LUNCH LEARNS

Each month our team gets around a table to discuss a different topic, whether it be recent projects, new regulations or tricky issues



MONTHLY TEAM 1:1s

All team members are assigned a line manager, responsible for their well-being, development and assessment of annual personal KPIs..



PROFESSIONAL ACCREDITATION

We dedicate time to supporting each team member in obtaining formal recognition of their professional achievements.





OUR OFFICE

Located within Lombard House, Great Charles Street, Birmingham;
our office is easily accessible and perfectly placed for socialising.
We encourage a working environment which is collaborative,
friendly and flexible.



EXPERIENCE KNOWLEDGE & SKILLS

Project Portfolio

We deliver a range of projects, across our three main sectors: affordable housing, strategic land and logistics, offering Civil Engineering, Structural Engineering or an integration of both disciplines.

STOFORD

**STANNAH,
ANDOVER
BUSINESS PARK**



PROJECT PORTFOLIO

Stannah, Andover Business Park



An excellent example of how we use our skills and experiences at Link when working as part of a multidisciplinary team. Stoford Developments Ltd appointed Link to provide civil and structural engineering advice for the proposed development of a new manufacturing facility for Stannah, the global market leader in stairlifts, on Andover Business Park.

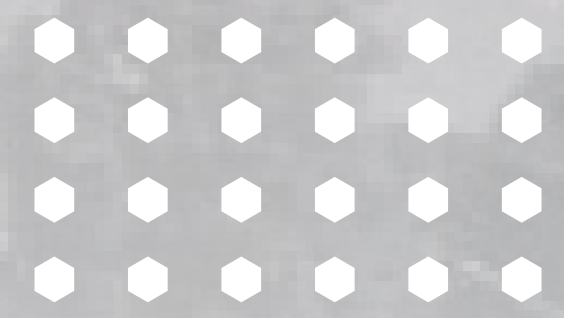
Working successfully with the wider project team, we provided full civil and structural engineering design for both tender and construction.

The new site aims to consolidate Stannah's operations within Andover. It will be more than 2.5 times the size of Stannah's current factory, allowing the business to bring in house some processes, such as painting rails, that had to be outsourced in the past.

Link was involved with the scheme from the master planning stage of the proposals, working alongside the Stoford and Stannah team, ensuring the proposals were fit for their requirements. The scheme has received planning consent and is due to start construction in August 2021.

LINK'S INVOLVEMENT INCLUDES:

- ▶ Review of site constraints
- ▶ Specification for site investigation
- ▶ Production of flood risk assessment
- ▶ Engaged with and agreed specifications to meet end user's requirements
- ▶ Ensuring designs were future proofed design for further phases
- ▶ Masterplan coordination
- ▶ Levels
- ▶ External works
- ▶ Drainage
- ▶ Foundations
- ▶ Floor slab
- ▶ Recess void
- ▶ Ground improvement



WORKING WITH LINK

Client Testimonials

L&Q ESTATES: MILTON KEYNES AREA 10 SOUTH

Link is one of the best engineering consultancy teams I've worked with. The team understand my needs and consistently meet them. I can trust Link to deliver large volumes of technical detail, to be responsive and to be solution-focused.

Simon Taylor
Technical Director
L&Q Estates

CHELTENHAM BOROUGH COUNCIL: CHELTENHAM PUBLIC REALM

The engagement, advice and outputs were exactly what was required and their understanding of the outcomes of the project were very clear in the design solutions... What was particularly impressive was the flexibility, innovative thinking and proactive approach to solutions proposed.

Jane Stovell
Programme Manager
Cheltenham Borough Council

Benefits of working with Link

- 1** Working with Link means you maximise the benefits of a small business:
 - ▶ Responsiveness
 - ▶ Flexibility
 - ▶ A close working team
 - ▶ A leadership team which is close to deliveryYet for our specialist areas of private development and infrastructure, we're one of the largest civil engineering teams you'll come across.
- 2** We offer a detailed understanding of the whole life cycle of a project, not just the approval stage. Our team has extensive experience of working with water companies, highway authorities and local authorities. We have developed audit trail trackers and pre start forms as a means of fostering progress with authorities.
- 3** We have an established supply chain of specialists such as traffic signalling, lighting design, bridge design and ground improvements. We collaborate with them to deliver to our clients' needs. Together with our associated companies mode transport planning and Air & Acoustics Consultant we are able to offer a more comprehensive range of engineering, transport planning and environmental related services.



A transport planning and highway engineering consultancy



A professional air quality and acoustic consultancy



WHO WE WORK WITH

