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cTc Infrastructure
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Qualifications

Chartered Engineer (**CEng**)

Member of the Institution of Civil Engineers (**MICE**)

Member of the Chartered Institution of Highways and Transportation (**MCIHT**)

Profile

I am a Chartered Engineer and have in excess of 40 years' experience in the civil engineering industry, beginning my career on site and then progressing to the design office, gaining experience to become a Chartered Engineer in 1989. Since then all of my time has been spent in consulting as a highways and infrastructure designer, the vast majority of which has concentrated on serving the private sector development market. I am, therefore, very familiar with the specialist demands of that role, particularly in terms of meeting the demanding requirements of developer Clients and of negotiating successfully with local authority officers and other stakeholders.

I have been based in the North West of England for the whole of my career, although the projects I have worked on have taken me to all parts of the UK.

Between 1989 and 2003 I worked for Building Design Partnership and was involved in the planning and design of new developments across the country.

I joined Boreham Consulting Engineers in 2003, with a remit to set up and manage the design business to the newly formed Manchester office, and to integrate with the existing transportation skills.

Boreham Consulting Engineers was acquired by the Waterman Group, in 2007, and I continued in my current role until April 2015 when I left Waterman to set up my own consultancy business, **cTc Infrastructure**.

I have spent the last 11 years or so at a senior management level and am accustomed to direct Client fronting and dealing with staff, in addition to having a strong technical background.

Employment History

cTc Infrastructure

(www.tonks-consulting.co.uk)

Director;

June 2015 - Current

I am Director and Owner of **cTc Infrastructure**, which is a separate company within the **cTc Group**, and am able to provide the pre-planning engineering elements for proposed development sites, including carrying out flood risk assessments, drainage strategies and advice, highways advice including access issues and stopping up, the preliminary design of new highway works and junction improvements, utility assessments, and input into development site masterplanning.

Boreham Consulting Engineers / Waterman; Manchester;

Regional Director for transportation and infrastructure

2003 to April 2015

I was responsible for the commercial performance and professional output of the design team of the Northern office of Waterman Transport and Development based in Manchester.

I have considerable experience in all aspects of engineering design through all stages of a project; from the assessment and planning of potential development sites, through the detailed design stage, including highways, drainage and infrastructure, to the construction management stage.

I have undertaken the design and implementation of numerous, highways, drainage and infrastructure schemes across the UK for the public sector and private clients. I have also carried out preliminary drainage strategies and flood risk assessments for development sites.

I have been involved in numerous feasibility and masterplanning studies, which have included reviewing the conflicts between traffic and pedestrian movements. I have also carried out the design and delivery of high profile public realm projects in towns and cities across the UK for the public sector and private clients.

Building Design Partnership

Senior Design Engineer

1989 to 2003

Working within a multi-disciplinary team on a variety of development projects.

British Nuclear Fuels Limited

Design Engineer on civil engineering projects, Risley

1982 to 1989

Resident Engineer on civil engineering projects, Sellafield

1980 to 1982

Taylor Woodrow

Site Engineer, Heysham A Power Station

1976 to 1980

Taylor Woodrow

Gained site experience on three sites during a four year degree course

1972 to 1976

Project Examples

The projects identified below have involved working in teams that have comprised one or more of the following: Architects, Structural Engineers, M&E Engineers, Cost Consultants and Planners.

Education

Kings School, Woolston, Warrington – Transportation and infrastructure advice with regards a planning application for a new secondary school. Representing the Client as part of the team at a successful planning appeal in front of an Inspector. Detailed design of the on and off site infrastructure.

Cheadle and Marple Sixth Form College – Resolving highways and transportation issues for input into a planning application for a new college building.

Olive free schools, Blackburn and Bolton – Working for the Education Funding Agency resolving highways and transportation issues for input into planning applications for the new schools.

Commercial and retail

Corn Exchange, Manchester – Part of a team dealing with the refurbishment of the Corn Exchange in Manchester City Centre to make it more appealing to shoppers. Work included a servicing strategy for the Phase 1 retail and Phase 2 hotel.

Bury Townside – Design of Section 278 Works, including new public realm civic square for £75M mixed use development in Bury. The offices constructed as part of the scheme are for use by Bury Council.

Tesco Stores (Various) – The design and implementation of highway works under a Section 278 Agreement for several new stores and a distribution centre. In addition the resolution of various access / egress problems on several stores across the north of England.

New Brighton – Provision of highway improvements in connection with a major mixed-use development on New Brighton's waterfront. The development included the provision of a supermarket, lido, hotel and eight retail units; and the integration of public transport facilities.

Health

Whyndyke Farm, Blackpool – Highways and transportation advice in connection with a new mental health facility in Blackpool. Work included the design of a new and temporary access roads and junctions, traffic management layouts, and contractor access routes, including signage. Provided support during the construction phase.

Hexham Hospital – The design of roads and hardstandings for a new hospital.

Heritage and community

Spanish City, Whitley Bay – Input into the masterplanning for the regeneration of the area around the historic Spanish City Dome in Whitley Bay. The project includes for the detailed design and delivery of the public realm spaces within and local to the development site.

Fire Stations PFI – Assessing access issues for new and existing stations for the Merseyside, Lancashire and Cumbria Fire Services.

National Football Centre, Burton-on-Trent – A drainage strategy for the site. An assessment was carried out of the existing flows in the stream that ran adjacent the site and attenuation provided on the surface water discharge. The surface water runoff was also collected to be reused as grey water to irrigate the pitches. Foul water discharges from the site were treated by an onsite sewage treatment works and effluent discharged into the stream.

Canal Connections: Rochdale Canal Access Improvement Project – Appointed by The Borough Council of Calderdale and working with Pennine Prospects and the Canal and River Trust to produce a programme of work focusing on improving access to the Rochdale Canal within Calderdale to encourage its greater use by local people and visitors. The work was for the design of improvement works, which included re-surfacing towpaths, providing gateways and improving access ramps.

Residential

Springside Works, Belmont, Lancashire – Preliminary design of improvements to the private access to a proposed 100 unit residential site to be developed on the site of the former industrial site. Major issues to be resolved included the length and width of the single access road to the site and safety of pedestrians using the route as access to local footpaths.

Airfield Farm, Market Harborough – A flood risk assessment, drainage and access strategy for a 60 hectare development site to the north of Market Harborough. The majority of the development is to comprise a mixture of high, medium and low density residential and community facilities including a school, public open space, sports pitches. The remainder of the development will include business / employment use and a hotel.

Great Bowden, Leicestershire – Preliminary design of a traffic calming scheme on the approach roads and roads within the village of Great Bowden. The scheme was produced to make the through route unattractive to drivers wishing to use the route as a shortcut through the village.

Annesley Woodhouse, Nottinghamshire – Resolution of a drainage strategy and flood risk assessment for a 100 unit residential development, which had been twice refused planning on drainage and flood risk issues. Letters of no objection were obtained from the EA and local drainage board.

HCA Framework – Part of a team obtaining planning approvals for residential developments on land in the ownership of the HCA.

Residential Development Schemes (Various) – Flood risk assessments, drainage strategies and utilities assessments to support planning applications for various residential development schemes across the country. Detailed drainage and highway designs for Sections 38 and 104 approvals. Schemes range from several single dwellings to several hundred.

Industrial

Northern Gateway Development, Flintshire – Provided highway input into the development of a masterplan for a major new commercial development in Flintshire. This included the development of a new grade separated junction on the A550.

Sandwash Close, St Helens – Highways and drainage input into obtaining planning approval for industrial sheds on land adjacent to the Rainford Industrial Estate. Following approval, the detailed design and production of contract documents for highway infrastructure to access the site were produced. The works include the diversion of the Rainford Brook to enable the access road to cross it.

Salford – Flood risk and drainage input into obtaining planning approval for industrial sheds on sites in Salford.

Rednal Bridge, Shropshire – Detailed design and contract administration to increase the headroom under a Network Rail bridge to provide access to the local abattoir for double decked articulated vehicles.

South Humber Bank, Lincolnshire – Assessment of drainage and infrastructure matters for a masterplanning exercise on land available for heavy industry adjacent the south bank of the Humber.

Renewables

Peel Energy – Advice regarding vehicular access to possible wind farm developments in Asfordby, Leicestershire, the Scout Moor expansion and at Frodsham. Swept path analysis was used to assess the preferred route in detail and enabling works identified. Work also included the design of the internal site access roads to the turbine locations. An assessment was carried out on the proposed cable route from the turbines to the grid for the Asfordby and Scout Moor sites. A condition inspection was completed on the public highway, public footpaths and public rights of way for access to the Frodsham site.

Solar Farms – Flood risk assessments and surface water management plans as supporting information for planning applications for solar farms in Wiltshire.

Masterplanning

Western Relief Road, Castle Donington, Leicestershire – An alignment design, in sufficient detail to be submitted with a planning application, for a proposed new 2.5 kilometre relief road with four roundabout junctions running to the west of Castle Donington in Leicestershire. The road is to provide access to residential and mixed use developments.

Link Road, Leominster, Herefordshire – Preliminary alignment design of a 2.4 kilometre link road running to the south and west of Leominster in Herefordshire for future residential development. Two route options were considered.

Defence Estates, Various Sites – Input into the development plans produced for a number of sites managed by the Defence Estates. Work included the assessment of the access to the site, site highways and hardstandings, and site drainage systems.

South Macclesfield masterplanning – Providing input as part of a team masterplanning an area of south Macclesfield for future residential development.

Penbury Eco Town Proposals, Leicestershire – In response to a Central Government initiative our client submitted proposals for the development of an Eco Town at Penbury in Leicestershire. As part of this process we provided transportation and highway advice into the development of a sustainable transport strategy to support the development. This involved numerous discussions with various statutory authorities and local stakeholders.

Public Realm

St Petersfield Redevelopment, Ashton – The design and delivery of high quality public realm works within the St Petersfield area of Ashton as part of the regeneration of the area to create a new business quarter.

Market Street, Hoylake – The creation and delivery of a high quality hard and soft landscaped area along Market Street, Hoylake as part of the Hoylake and West Kirby regeneration.

Lyceum Square, Crewe - The redesign of one of three major squares in Crewe Town Centre. Lyceum Square is regularly used as an outdoor market and surface level car park. A flexible, multi-functional public space was recreated that integrated with the streets and open spaces and were legible, accessible and attractive.

Blackpool Streetscape – The production of conceptual streetscape designs for the key streets and spaces in Blackpool town centre, to sit alongside the Town Centre Strategy and Promenade Design Guide. Items considered were vehicular access arrangements, pedestrian accessibility, parking requirements, taxi and bus movement, paving, street furniture and public art. Consultation through workshops and presentations was carried out.

Albert Square, Widnes – The design for the refurbishment of existing shopping area streets using natural stone pavings and incorporating public art.