

Curtins - 77 The Avenue - Proposed team

Stirling Higley
MEng (Hons) CEng
MIStructE
Associate



Stirling joined Curtins in the London office as an Associate. Stirling has experience as a consulting structural engineer working within design consultancies.

Stirling has worked with on a variety of projects in all sectors. He has worked on developing new and existing structural designs within the building sector. Stirling has gained considerable experience in appraising existing structures and developing solutions for repair or adaption as part of refurbishment projects.

His key specialisms include optimizing the customer base within the company's objectives and strategy while utilizing a common sense approach to the changing business and engineering environment. He has learned to manage and enhance all aspects of project operation including concrete, steel, timber, masonry and drainage.

Project Experience



68/70 High Street Stratford, London - £50m - Jestico and Whiles

This is a design and build development by Sherrygreen Homes Limited of 173 new-build residential units and approximately 740m² of retail space at ground floor level. The residential units are distributed in 3 reinforced concrete blocks varying in height between 5 and 18 storeys and connected at first floor level by a podium slab which serves as an external communal area and as a roof to the ground floor car park. Curtins are responsible for the civil and structural engineering design.



White City, London, £300m – Stockwool and Patel Taylor Architects

This predominantly residential development in White City, London, includes retail commercial space at ground floor as well as health and fitness facilities. The client for this project is Berkeley St James. There is a single storey basement that extends across the whole development serving all phases that will provide underground car parking and an energy centre. The first phased comprises 344 units in blocks ranging in height from 11 storey up to 18 storey. The 3 proposed phases will comprises 1100 apartments.



Larden Road, London, GHM Group, £71m - Living & BPTW Architects

This large mixed use housing development provides 450 units of social housing; shared ownership and private residence as well as a new multi-use community focussed meeting space, new retail units, offices and ateliers. The development occupies the site of a former factory complex and in is located in East Acton and is split into several medium and low rise blocks, both new build and refurbishment. The existing 1960 and 1920 steel framed buildings are being refurbished to house some of the flats, with new 7 storey RC flat slab buildings and low rise timber framed houses providing the remainder of the units.

Role and Responsibilities

Stirling will be responsible for the Super-Structure Design and will manage the team to ensure that a quality engineering service is being delivered and will report directly to the project director. He will be responsible for a team with respect to detailed design and liaison with the other members of the design team and contractor.

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David Hammond BSc, MSc, DIC, FGS, cGeol Associate



David has 29 years post graduate experience embracing geotechnical engineering and geo-environmental investigation and reporting. David has worked on many UK and international geo-technical projects.

These have included the Heathrow tunnel investigation, Jubilee line tunnels, Moroccan and Algerian motorways, Crossrail, Dublin tunnel, M25 motorways, national grid remediation sites. Many projects in central Paris ,Brussels, Sellafield and lastly Hinckley power station.

David has extensive experience of redevelopment works in London including investigation works including investigation and remediation of Brownfield sites. This includes National Grid sites at Edmonton for housing. Ground investigation and ground interpretation for the following sites; "Gherkin", Leadenhall street ,Cannon street, Saville row ,Oxford street, Kings cross station and London Bridge redevelopment.

Project Experience



Vauxhall Exchange, £100m - 3DReid, Stem Architects Ltd and Exterior Architecture

This project comprises of four residential blocks, a skills centre and a hotel. Specifically, there are two residential towers with 25 and 14 storeys above ground, respectively, and two lower residential buildings with 6 and 5 storeys above ground. Additionally, the skills centre has 8 storeys above ground and the hotel 9 storeys above ground and a basement. In the residential blocks and the hotel the use of a traditional flat slab solution has been adopted.



White City - London, £300m - Patel Taylor & Stockwool Architects

This predominantly residential development in White City for St James', will comprise over 1400 units when all phases are complete. The development includes retail commercial space at ground floor as well as health and fitness facilities. There is a single storey basement that extends across the whole development serving all phases that will provide underground car parking and an energy centre. Curtins are providing Civil, Structural and Environmental Services.



Park Central, Birmingham £200m - Gardner Stewart Architects

Park Central is the first part of the Attwood Green Regeneration project in Birmingham and is set to provide new commercial and housing opportunities, enhanced amenities and an improved local environment. part of the scheme is a joint venture (under a PPP agreement) between Birmingham City Council, Optima, Crest Nicholson and Mercian. It includes up to 26,500 sq m of commercial space, 1,400 new homes and a new 8 acre park and will be completed over the next ten years.

Role and Responsibilities

David will assess the risk arising from the uncertainty about ground conditions during the planning stage, design stage and onto construction of the new development.

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Andreas Neymeyer **CEnV CIWEM** **Principal Geo-** **Environmental Engineer**



Andreas is a Chartered Environmentalist (CEnv) and Chartered member of CIWEM (MCIWEM C.WEM), with over 15 years' experience in providing a wide range of contaminated land consultancy services.

Andreas is a Principal Geo-Environmental Engineer with hydrogeological expertise and significant experience in hydrogeological but also human health detailed quantitative risk assessments (DQRAs).

Project Experience



Ladderswood, Enfield, £65m - Pollard Thomas Edwards Architects

The proposed mixed use scheme comprises of 517 units of which 149 are affordable, a 85 bedroom hotel, 6 commercial units and a community centre. The development is to be constructed in 5 phases as existing buildings need to be demolished to accommodate the proposed new build structures. Phase 1 comprises of 2 blocks which are 6 storeys in height with a basement under. The structure is to comprise of a RC flat slab comprising of a 225mm thick slab spanning onto a column grid.



White City - London, £300m - Patel Taylor & Stockwool Architects

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Midlands Metropolitan Hospital, Birmingham, £300m – HKS, EWA and Sonnemann and Toon Architects

This new build PFI projects has just started on site. The structure comprise an insitu concrete structure which extends up to 10 storey height to the central section of the building. A piled foundation supports the superstructure. Five storey blocks are either side of the central section. A steel framed winter garden is a key visual feature of the building. All of the flat slabs are post tensioned.

Role and Responsibilities

Andreas will report to David Hammond and will provide the Geo-Environmental support to the team dealing with any Planning conditions related to site contamination and pollution.