

# Coventry New Hospitals

Coventry, UK

## Project Information

**Client**  
University Hospitals Coventry &  
Warwickshire NHS Trust

**Architects**  
Nightingale Associates

**Structural Consultant /  
Designer**  
Skanska UK

**Building Services Consultant**  
Skanska UK / Troup Bywaters &  
Anders

**Main Contractor**  
Skanska UK

**Dates**  
2001 - 2007

**Construction Value**  
£334m

## Further information

Maple Cross House  
Denham Way  
Maple Cross  
Rickmansworth  
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A major redevelopment of the District General Hospital at Walsgrave, Coventry, as part of the Government's PFI programme will provide 1,212 beds, the majority of these in a new acute hospital building. The redevelopment will also deliver new Clinical Sciences, Mental Health Unit, Computer Network Services, Central Sterilisation Services Department, Creche and Centre for Reproductive Medicine buildings. Extensive site re-modelling includes the provision of 1,850 parking spaces.

Skanska's design team has been responsible for the civil and structural design, including concrete and steel-framed buildings, foul and surface water drainage, external works, hospital roads and car parks. The ground investigation contract required excavation of exploratory boreholes and trial pits.

Skanska's surveying team was also invited to become part of the on-site quality assurance team. It was tasked with ensuring that the rigid construction tolerances were adhered to and established primary survey control lines for use by the building contractor and follow up trades. It is widely accepted that the involvement of the survey team resulted in the continual improvement of the contractors setting out and construction accuracies. This in turn helped to ensure that costly re-working and programme delays were kept to an absolute minimum.

The design team was also appointed as Noise and Vibration Consultant, the main functions being the preparation of the Section 61 Consent and liaison with Coventry City Council, the local authority. In addition, they carried out plant noise assessments for the equipment being used inside and adjacent to numerous buildings, which are close to site boundaries with residential areas. The team arranged for an independent background noise survey to be undertaken and facilitated the introduction of vibration isolation for sensitive laboratory equipment.

Skanska's team were able to offer immense benefit in the design of the extensive site enabling works and develop a workable flood compensation scheme which satisfied Planning Conditions and greatly enhanced the local environment and has won environmental awards. □