

Case Study:

Welham Street MSCP, Grantham, Lincolnshire



Project Details

Estimated Value:	£2,100,000
Completion Date:	Autumn 2007
Client:	South Kesteven District Council
Architect:	Rance Booth & Smith
Engineer:	Peter Cole Consultants
Main Contractor:	Allenbuild Ltd

Design Brief

To create an aesthetically pleasing 328 space MSCP in the town centre of Grantham, Lincolnshire. To be the first car park in the UK to use "Identipark" illuminated vacancy indicators. To be "Park Mark" accredited, offering safer parking facilities for users. Structural frame to span 16m to prevent internal columns conflicting with parking bays and traffic flow routes.

Technical Info

The above design brief was achieved. Peter Cole Consultants were able to value engineer the project by using a thin composite metal deck in conjunction with a lightweight steel frame. The whole structure and deck were modelled using the latest 3D design software providing accurate design for pricing at tender stage. Peter Cole Consultants also designed the reinforced concrete pile caps, groundbeams and retaining walls, as well as innovative drainage system to limit internal manholes.

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