

Case Study - Bilton Grange School



'Adding modern and practical access routes and parking solutions, designed to complement its historical surroundings'

Project Summary

Bilton Grange is a preparatory school located in Dunchurch, near Rugby, Warwickshire. The school is a historical Grade II listed building, complete with mature landscaped grounds of over 90 acres including several areas of woodland.

- Contract Value: £350,000
- Duration: 8 Weeks

MPH were awarded the project following a comprehensive tender process to ensure the fixed 8-week programme could be achieved.

The client's brief involved redeveloping and upgrading:

- A new car park to hold a capacity of 100 vehicles
- Footpaths and drop-off areas
- The main entrance to the courtyard
- Other associated roads, verges and landscaping

Through positive recognition and recommendations from a number of local projects, MPH carried out the construction works during the school's summer holiday period, completing in time for the new term.

"Modernising our main School car park was a big investment for Bilton Grange and it was important that we chose a company who would work with the School to achieve the look that we needed. MPH have done a tremendous job for us and worked incredibly hard to keep to the agreed schedule. The finished product is of a high quality and creates a fantastic first impression to the School that has been praised by parents and staff alike."

Bilton Grange Headmaster, Alex Osiatynski.



Our Approach

We work closely with all our clients to add value, anticipate risks, identify new opportunities and help them to maximise the whole life asset value of their investments.

For this project, Early Contractor Involvement (ECI) principles allowed the MPH team to be involved from the outset, engaging and exploring value engineering opportunities collaboratively with the client and architect.

Through this process, we were able to provide a balanced solution to meet budgets and schedules whilst still delivering aesthetic integrity to complement the Grade II settings.

The scope of works carried out included:

- Site clearance, bulk excavations and construction of road foundations
- Installation of all drainage infrastructure
- Laying of conservation setts, kerbs and paving
- Feature stainless steel street furniture
- Resin bound aggregates, amber gravel footways, tarmac roads and block paved parking bays
- Ducts, foundations, infrastructure for CCTV, lighting, communication and utilities
- A golden amber gravel footpath to cricket pavilion
- Feature architectural aluminium and timber edgings – for durability and cost-effective maintenance



Challenges & Solutions



The Challenge:

- Maintaining the client's budget while meeting scope expectations. The original designs included a range of design finishes and large variability of products for the kerbing materials.

Our Solution:

- Utilising our tried and tested supply chain, we sourced standardised materials, mitigating cost overruns, whilst still maintaining aesthetic impact.
- This resulted in a contemporary appearance with a very high-quality and durable finish. Standardising the range of suppliers also mitigated supply chain delivery risk – a key consideration given the completion milestone.

The Challenge:

- Programme deadlines – just eight-weeks to complete the works before the new term commenced.

Our Solutions:

We were able to maintain the programme through;

- A combination of using readily available short lead time material choices
- Schedule durations based on known productivity metrics
- Daily and weekly planned v actual progress updates to remedy impacts to critical path.

The Challenge:

- Logistical Management – Although the school was closed during the construction period, MPH implemented safe access and egress for summer shutdown contractors, summer club activity users and school facility management staff.

Our Solution:

- Due to the time sensitive programme, all works activities and deliveries had to be meticulously planned to avoid delays. This was managed and coordinated by our Site Manager. We applied 'Just in time' deliveries to increase efficiency, reduce costs and decrease waste by receiving materials only when they were needed.