

Robert May's School - drainage design and highway improvements



Robert May's School is expanding to accommodate 150 additional pupils (1,350 in total) from September 2019. The plans include a new school entrance, teaching accommodation and sports facilities.

We worked as part of a collaborative team led by HCC Property Services. Our brief was to design the drainage and highway improvements at the front of the school, from feasibility through to detailed stages, and arrange for the associated surveys.

One of the key challenges for the site is parking. Robert May's already has fourteen school buses provided by Hampshire County Council, and due to the expansion, six extra bus parking spaces were required. The project team worked together to design a remodelled and expanded bus drop-off and car park, improving traffic flow while maintaining the safety of pedestrians.

For the drainage design we used a range of Sustainable Urban Drainage Systems (SUDS) to manage surface water, including porous paving and soakaways. We also worked closely with the landscape architects to provide an irrigation system for the trees that soften the external areas.

We followed Building Information Modelling (BIM) guidelines, using 3D design for external areas which we shared with other disciplines to enhance understanding of the site. We also attended a public consultation event to discuss the engineering elements with the local community.

Planning permission was granted in January 2017, and we will continue to be involved throughout the construction.

Key benefits

- Improved site access and reconfigured parking and drop-off to accommodate the increase in pupil numbers.
- Close and collaborative working with the project team meant issues were resolved promptly and effectively.

Location: Odiham, Hampshire

Client: HCC Property Services

Value: £500,000 for drainage and external works

Completed: Planning permission granted January 2017; completion estimated Autumn 2018

Specialist teams:

Hampshire Services' Engineering Consultancy (drainage and external works design, geotechnical investigations); Sewer Sealing Services (drainage CCTV contractor); Morgan Sindall (main contractor)

“To have no objections, representations or comment by the planning committee on any parking or coach related issue was testimony to everyone's hard work.”

Simon Waite,
Design Manager,
HCC Property Services



