

## Willmott Dixon Group



Founded in 1852, privately-owned contracting and interior fit-out group Willmott Dixon is dedicated to leaving a positive legacy in our communities and environment. We create value for customers, stakeholders and communities by working in a sustainable and responsible way to shape the built environment and make a positive impact to society's wellbeing.

## Considerate Constructors Scheme



As a founding partner of the Considerate Constructors Scheme (CCS) in 1997, all Willmott Dixon sites are registered with the CCS. The scheme influences the way we design our strategy of work and we are committed to working to the higher code of conduct.



## PROJECT INSIGHT

# Dorset County Hospital Multi-storey Car Park

Welcome to the second edition of our project newsletter which aims to keep you informed about our plans and progress towards the delivery of Dorset County Hospital's new multi-storey car park.

## Key team



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Build Manager



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## Find out more

For more information about the hospital's development plans visit [www.dchft.nhs.uk/about-us/site-development](http://www.dchft.nhs.uk/about-us/site-development)

## What has happened?

The temporary staff car park, situated on the old Damers School playing field, has now been completed and is in use. The temporary car park provides 160 spaces in place of those now occupied by the main car park construction. Realignment of the Children's Centre entrance and the main entrance to the hospital have concluded in preparation for the installation of barrier systems towards the end of the project.

The perimeter hoarding, totalling 375m, was completed in February. The hoarding has been installed using a 'no dig' method wherever possible to protect the perimeter trees and shrubs to the hospital boundary. This process avoids digging posts into the ground, minimising the impact on flora and fauna occupying this space.

The main car park works began in March, with the initial works involving the removal and 'muck away' of 6430m<sup>3</sup> of top and subsoil to

allow for the installation of retaining walls as well as the 'pile mat'. These works provide a solid and stable platform for the heavy machinery to begin the work to the pile foundations.

The pile foundations will provide the necessary support to the steel frame of the car park. The pile foundations vary in depths, reaching a maximum depth of 18.4m.

Working with energy provider SSE, we have been progressively digging and installing cables between the new car park and the main hospital. The cables will provide a direct line of communication that will link the new fire alarm and data systems and provide high and low voltage electrical supply.

## What happens next?

Over the coming 12 weeks, we will complete the remaining pile foundations to the site's south side. As the pile foundations set, we will begin installing the caps and ground beams, which will connect the steel frame of the car park to the foundations.

An attenuation tank is being constructed as part of the works. The tank will capture, store and release surface water and can store 75,000 litres of water. The large capacity tank is designed to cope with the volume of water expected in a 1 in a 100-year flood event. This capacity ensures the tank can handle even the worst flood events throughout its lifetime.

Once complete, preparation works for the superstructure will begin. The first step is preparing for the arrival of the precast stair cores with the installation of concrete reinforced slabs at both ends of the car park. The slabs will carry the load of the stairs and will house the lifts within the cores. Upon completing the first stair core, the steelwork that makes up the six-storey car park will start

arriving on site and begin its installation. Mobile cranes will complete the steelwork erection by lifting the steel into place. Operatives in cherry picker-style machines will fix the steel beams and columns together. Once 60% of the steel frame has been completed, we will install the metal decking. The decking spans between steel beams forming the support for the car park floors. Once installed, further reinforcement will be welded to the decking, and a concrete topping will then be applied.

Further stages will include installing the façade, which consists of the perforated panels depicting the artwork selected and the external landscaping and gabion walls.

## SOCIAL VALUE IN ACTION

Dorset County Hospital NHS Foundation Trust is committed to helping to improve the economic, social and environmental wellbeing of its local communities – something described as 'social value'. The multi-storey car park development is a great example of this approach in action.

To date, the project has seen 22% of the workforce living within 10 miles of the site, providing employment for the local area and helping to keep the carbon footprint of the project as low as possible. We have also installed an EV charger in the welfare compound to encourage the use of electric vehicles to those attending site to further aid in reducing our carbon footprint.

You can find out more about the hospital's Social Value Pledge here - [www.dchft.nhs.uk/about-us/social-value](http://www.dchft.nhs.uk/about-us/social-value)

The community has been involved in choosing the designs for the facades of the car park, voting for images of Durdle Door, Portland Bill and Corfe Castle.

Representatives of the hospital, Prime and Willmott Dixon gathered to see how the building work was progressing for a 'turf cutting' ceremony, marking a significant step in the project.

