



**Owls Hall**  
ENVIRONMENTAL

**Case Study:** Balfour Beatty/  
Skanska Joint  
Venture M1 J6a-10  
Widening project

*“ Throughout the design and construction of this site compound, accommodating 520 people, stringent health and safety requirements were met and surpassed. Owls Hall Environmental provided expertise on procedure and reassurance on timescales and budgets ”*

Balfour Beatty Major Projects and Skanska Joint Venture, contacted us to specify a design and construction of a site compound to accommodate up to 520 people who would be responsible for the construction of the new M1 Motorway J6a to Junction 10 from St Albans to Luton.

From our previous relationship it was clear that timing of the works was crucial since deadlines were already in place for Balfour Beatty and Skanska to start on the widening works in line with Highways Agencies' program of Works. Working closely with other Key suppliers and in line with the clients stringent Health & Safety requirements, we were able to demonstrate our design would meet their needs, their tight schedules and their budgets.

We were able to take their requirements on board for connections of 140 caravans for housing accommodation and connection to offices and Support staff buildings.

A modular RBC treatment plant with Ultra Violet sterilisation was officially

sized on the produced flow rates per day and appropriate alarm systems were included. As an emergency procedure a 55,000 litre sealed tank was installed beside the treatment plant as an overflow system in the event of power failure on site. This was in the interests of health and safety as the installation was next to a water course, this in turn satisfied any concerns the Environment Agency had. The treated effluent was retained in a balancing pond combined with land drain water to be re used for dust suppression during the drier months on the Motorway works.

Part of Owls hall Specification was a land drainage system using our agriculture history and expertise to help ensure the site was not





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flooded during its operational period. An added problem was that they had immediate waste storage problems; this was solved by supplying temporary storage facilities which enabled their workforce to carry on at the site.

As part of the works a system of foul pipe runs from the caravans and buildings with main pipes were installed. These were then connected to the treatment plant through manholes and inspection chambers in line with building regulations.

As part of our project we were also responsible for the installation of the grease separator for the canteen. For the supply of clean water every caravan was installed with a stop cock and all offices and additional stores and workshops with mains water supply. A fire hydrant system was also accommodated within the mains water design and build contract. Their Concrete Batching plant was consuming a large volume of water and therefore reducing pressure for the rest of the site. We were able to assist with

a cold water booster package pump set that allowed their operatives to be assured of an uninterrupted shower.

Further to the completion of the works we now carry out regular Servicing and desludging of their equipment.

