

Bushey Academy Site Activities August 2011



Concrete Pad Foundations
 - The new school has been designed to be founded on concrete pads to help spread the weight of the building. The concrete is poured into the excavations which have specially designed reinforcement within which helps to add strength to the concrete.

- The ground below the foundations has been tested using a shear vane tester. This ensures that the shear strength of the soil is suitable for building foundations on.

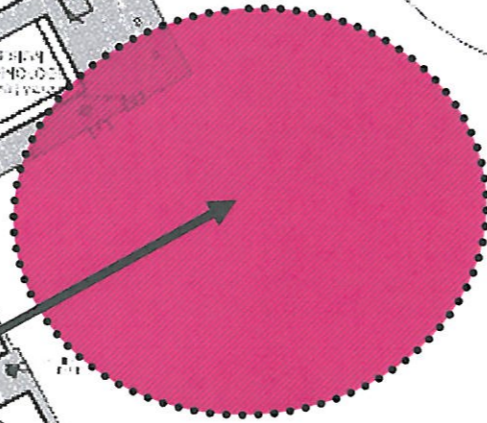
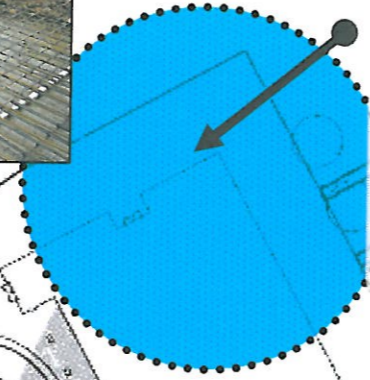


Demolition

- Before demolishing the existing buildings all of the pitched roofs had to be stripped to check for any bat activity. Once the on site ecology team had confirmed there were no bats demolition commenced.

- The demolition was undertaken using large excavators with mechanical grab devices attached. The demolition contractor uses a constant spray of water to control the dust and debris.

- Once demolished the materials are sorted and sent off site for recycling and/or re-use.



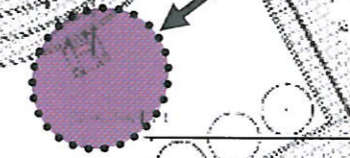
Building Footprint



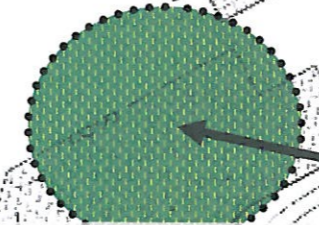
Clock Tower

- The original position of the clock tower fell under the new building footprint. As part of the planning approval, the site team had to retain the clock tower in the new school. For this reason the site team were faced with the task of disassembling and rebuilding the clock tower in its final position during the school summer holidays.

- Each element including brickwork, roof tiles, internal timber and the clock faces were taken down by hand. The clock tower has now become a main feature within the school quadrangle.



School Reception



Tower Crane Erection

- Two tower cranes were erected on site during August. These tower cranes will be used to help move construction materials and elements around the site. The cranes are particularly useful when position the steel beams and columns in place.

- A mobile crane was used to lift the tower cranes into position. The crane nearest London Road is 40m high and the further crane can reach up to 55m.



LONDON ROAD

Entrance

