

43 Heath Hurst Road

Application for planning permission to install solar PV

Design and access statement

Site: 43 Heath Hurst Road

The development: The installation of a solar photovoltaic ("solar PV") system on the flat roof area of the site.

Design statement

The site is a Victorian brick building located within a conservation area. The property has a mansard roof design with a large flat section in the centre, the site of the proposed solar PV installation. The building has remained largely unchanged in terms of the outer appearance. However a safety rail has been installed around the roof periphery.

The development is within a conservation area and therefore, the system has been carefully designed so as to ensure minimal visual impact, whilst maintaining a reasonable output. The development will be installed far as possible from the front and rear aspects of the property so as to reduce the likelihood of being seen from the road. In addition, the incline is relatively low and the total height of frame on the row closest to the front elevation is 230mm meaning that it will remain out of the sight-line from below.

The mounting system is a Solon Sunmount system which has been designed specifically for flat roofs. They do not require roof penetration, are lightweight and can withstand significant wind speeds. The modules (panels) sit flush in the mounting system to give the appearance of an integrated system. The mounting structure is also made out of recycled materials.

The PV modules are unobtrusive and do not extend beyond the ridge line of the roof or below the bottom past the gutter. No reflections off the panels, during intense sunlight periods, will cause nuisance to surrounding dwellings and the PV panels emit no noise when in operation, therefore will not cause a disturbance to neighbouring properties.

The landscape would not be altered by this development and the current use of the property would not be altered or affected by this installation. The PV system will contribute green energy to the property which will lower the customer's bills and their carbon footprint, along with feeding-back surplus electricity back into the national grid.