

Design and Access Statement

The Firs, Ashleworth, Glos. GL19 4HT Air Source Heat Pump Installation.

The location of the site property known as The Firs is situated within the conservation area. Planning permission is therefore being sought for installation of an Air Source Heat Pump within the front garden of the property.

Design

The location and size of the Air Source Heat Pump has been carefully selected to ensure the smallest heat pump is used for the size of house. The design also reflects the extensive insulation works which have been undertaken throughout the property.

The siting of the appliance puts a greater distance between the appliance and neighbours social garden spaces. It is also a design objective to achieve the shortest run of pipes to the central heating HW store tank and to integrate the air source technology with solar hot water system. The siting gives access to the only ground floor void for the heat exchanger pipes as The Study is the only ground floor room which has a suspended floor.

The location offers a discrete siting for the appliance at the front of the property, being situated behind a dry-stone wall and dense hedge. Furthermore, both neighbours' properties are set back away from the appliance location. There is a farm track adjacent to the appliance which provides an additional 5 metre distance and a second hedge to one side of property.

The model selected is a low power unit of 8.5 KW with ultra-low noise characteristics however notwithstanding this the siting of dry-stone wall and dense hedging around the installation will block and diffuse any residual noise from the installation.

Accessibility

Mobility issues are not created by the introduction of air source heating technology in the proposed location. It is anticipated that the proposed introduction of conveniently located controls and thermostats will greatly improve accessibility to heating controls throughout the dwelling. The chosen location also provides excellent maintenance access to the appliance itself.

I hope these are seen as valid design and access criteria.

Kind Regards,

