

## **Noise Statement – Conversion Of Store Into Residential Dwelling.**

**12/04/22**

This Noise Statement accompanies an application for the conversion of an existing store into a residential dwelling.

The main source of noise will be from the A12 to the North of the site.

The existing building is of a modern construction comprising insulated block cavity walls with external cladding. The roof has a modern interlocking covering and is underdrawn with modern breathable felt and battens and is finished with well constructed and maintained fascias, bargeboards and soffits.

### **Mitigation and Enhancements.**

Similar to other applications within the district that have been approved in close proximity to main carriageways, it is proposed to install a 2m close-boarded timber fence along the boundary parallel to the A12. This should have good and tight overlaps, be without knots and should be continuous to the ground (no gaps underneath). In order to achieve the full effect of the acoustic fence it will be necessary to return the fence along the Eastern and Western boundaries (see proposed block plan PL02).

The converted building will be fitted with treble-glazing on the North, East and West elevations with sound attenuating trickle vents to meet the free areas of ventilation required by Building Regulations Part F. As an alternative to trickle ventilation, the installation of a whole home ventilation and heat recovery system is to be considered which will include sound attenuating baffles (final design by specialist installer).

Internally, the building will be finished with sound deadening roof insulation products and Gyproc Soundbloc acoustic plasterboard throughout.

By implementing the above internal and external enhancements it is considered that any significant adverse impacts will be avoided.