

**Imberhorne Lower School, Windmill Lane, East Grinstead, West Sussex RH19 2DT
Demolition of existing classroom and replacement with a new modular classroom
together with refurbishment of adjacent access pathway.
Dust Assessment**

Introduction

This Dust Assessment is submitted as part of a planning application for the demolition of an existing modular building and erection of a single storey modular building at Imberhorne Lower School, Windmill Lane, East Grinstead, West Sussex RH19 2DT.

The application site (outlined in red) is shown in Figure 1 below together with the wider School site (outlined in blue).

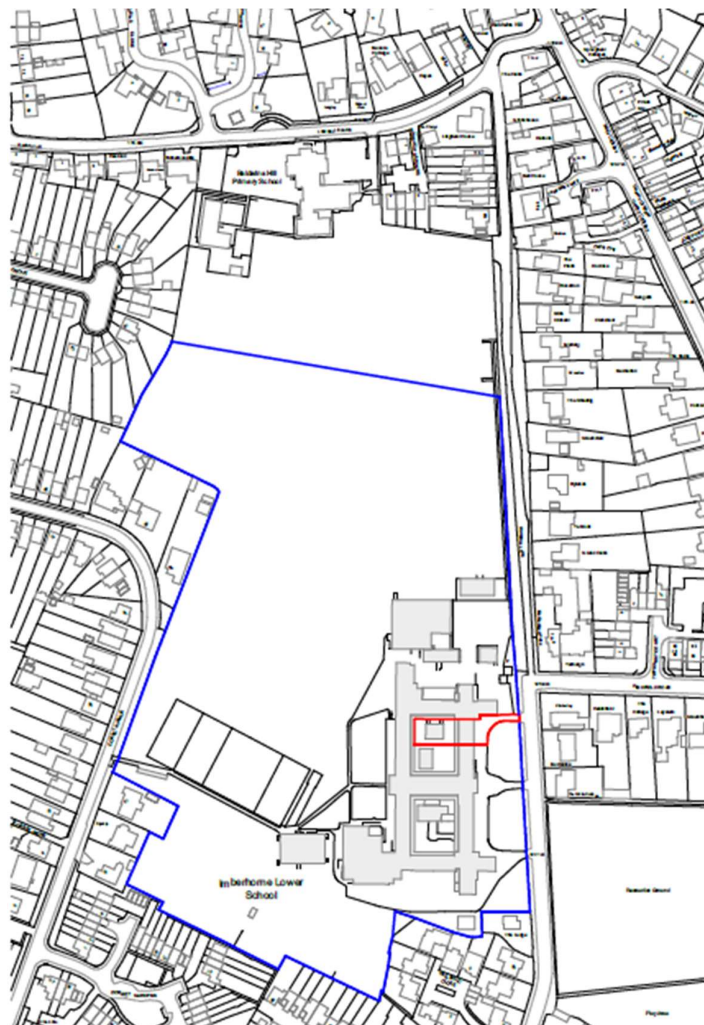


Figure 1 : Application site (outlined in red)

Sensitive receptors likely to be affected

Sensitive receptors are occupants of the residential properties that are located near to the School site – particularly those located on Windmill Lane that, at their closest point, have gardens within 50 metres of the building to be demolished. In addition, Windmill Lane is the expected route for bringing equipment to demolish the building and to remove the materials from the demolished building and to then transport the new replacement building to the site.

The buildings of Imberhorne Lower School are located immediately adjacent to the building to be demolished and the site of the new building. Staff, students and visitors to the School have therefore also been identified as sensitive receptors.

The Building to be Demolished

The existing classroom building that is proposed for demolition is located in a courtyard in a central location of the School site. The building is single storey and has a bituminous felt finished roof on a shallow pitch timber structure. The walls are clad in vertical board timber cladding, windows and doors are all single glazed timber casements, the structure is composite timber and steel.



Figure 2 : The building to be demolished

Proposed demolition and activities that may generate dust

The proposed demolition of the building has the potential to generate dust and therefore mitigation measures will be employed to minimise dust generation during this phase of the project. Known sources of dust from the works include the demolition itself, handling and storage of the demolished materials, haulage of demolished materials from the works site and plant emissions.

Proposed Mitigation

It is proposed that the demolition would take place when Imberhorne Lower School will be closed for a school holiday. In that way, the proposed demolition works would have no impact on staff, students and visitors to the School.

Controlled Demolition Techniques will be used. This approach requires the demolition methodology to be planned meticulously in advance of works commencing to ensure potential environmental disturbances to surrounding receptors are minimised wherever possible i.e. noise, vibration, dust.

Dust monitoring will be undertaken by means of a daily dust emissions survey by Site Managers on and off the site, as part of routine observations. This visual monitoring will include observation of dust deposition onto nearby surfaces and dispersion as well as observations of prevailing weather conditions and observation of any significant effects from dust will be recorded on a specific dust monitoring template. Records of required actions will be logged and available for issue on request.

Site operatives will be made aware of all dust and air quality emission mitigation measures as part of the site induction process with task specific risk assessments being undertaken for sensitive works close to occupied areas.

The proposed demolition methodology would be to safely isolate the building from all services (gas and electricity), and then dismantle it in situ — cutting it into manageable sections for removal. Craning the building out is not a viable option due to its age and condition, as it is unlikely to remain structurally stable during lifting. The demolition works will all take place during normal working hours only – ie 9am to 6pm Monday to Friday. Soft strip will occur inside the building before demolition to provide a screen against dust. Where cutting and grinding operations are taking place, equipment incorporating dust suppression measures/ extraction systems will be used.

The demolished materials will be taken through the adjacent school buildings and then loaded directly onto a skip lorry or similar. Drop heights of dust generating materials will be minimised in all activities. The demolished materials would be fully covered on the skip lorry which would leave the School site via one of the existing access points onto Windmill Lane, proceeding south to the junction of Windmill Lane and the A22 London Road. From there, the demolished materials would be taken to a suitable commercial waste site for recycling of the materials.

Hard standing areas will be provided for vehicles and they will be regularly inspected and cleaned using dust suppression methods.

Stockpiles of demolished materials are not expected to be needed but in the unlikely event that they are, they will be stored away from sensitive receptors and located, as far as possible, where there is the least potential for dust generation. Such stockpiles will not exceed 3m in height.

The Building to be Erected

The building to be erected will be manufactured off-site within a factory and transported to the application site in its completed form. This will ensure that dust generation is minimised during this phase of the project. It will be sited within the same courtyard as the existing building and on the site of the existing building.

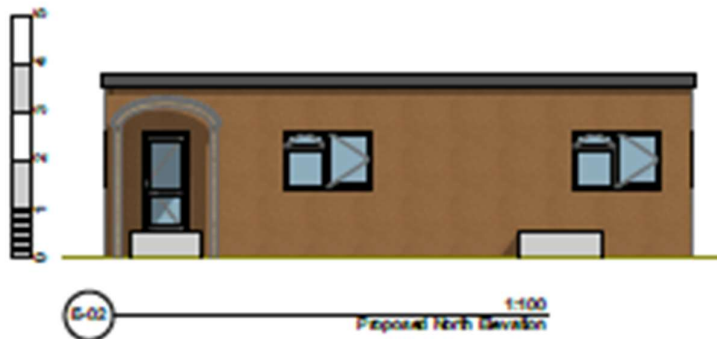


Figure 3 : North elevation drawing of the proposed building

Proposed construction activities that may generate dust

Dust generation from the construction phase will be limited to the creation of trenches for running services to the building.

Proposed Mitigation

It is proposed that the introduction of the new building and the provision of services to the building would take place when Imberhorne Lower School will be closed for the summer holiday – ie between late July and early September 2026. In that way, the proposed works would have no impact on staff, students and visitors to the School.

Dust monitoring will be undertaken by means of a daily dust emissions survey by Site Managers on and off the site, as part of routine observations. This visual monitoring will include observation of dust deposition onto nearby surfaces and dispersion as well as observations of prevailing weather conditions and observation of any significant effects from dust will be recorded on a specific dust monitoring template. Records of required actions will be logged and available for issue on request.

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