

Noise Impact Assessment for the Construction of a New SEND Unit at Radstock School

1. Introduction

- **Project Overview:** Construction of a single-storey SEND unit on the north-east corner of Radstock School, replacing an existing playground area.
- **Purpose of Assessment:** To evaluate the potential noise impact on the school environment and surrounding residential properties during and after construction.

2. Site Description

- **Location:** North-east corner of Radstock School site.
- **Current Use:** Existing playground area.
- **Proximity to Sensitive Receptors:** Residential properties adjoining the school boundary.

3. Construction Noise Impact

- **Construction Activities:**
 - Site preparation, excavation, and foundation work.
 - Construction of the single-storey structure.
 - Installation of utilities and finishing works.
- **Noise Sources:**
 - Heavy machinery (excavators, bulldozers, cranes).
 - Power tools (drills, saws).
 - Delivery trucks and construction vehicles.
- **Duration and Timing:**
 - Estimated construction period.
 - Working hours (e.g., weekdays from 8 AM to 6 PM).

4. Operational Noise Impact

- **Building Use:**
 - Activities within the SEND unit.
 - External play areas located away from the boundary and residential properties.

- **Noise Sources:**

- Indoor activities (teaching, learning, and support services).
- Outdoor activities (playtime, physical education).

5. Mitigation Measures

- **During Construction:**

- Scheduling noisy activities during less sensitive times.
- Regular maintenance of machinery to minimize noise.
- Works to be carried out within the normal working hours for a construction site stipulated by environmental health, i.e. 8am to 6pm Monday to Friday, 8am to 1pm Saturdays, no work on Sundays or Bank Holidays.

- **Post-Construction:**

- Existing trees and bushes to site boundary being retained to act as a natural sound buffer.
- No classroom windows facing adjoining residential properties.
- External play area separated from adjoining residential areas by the building to minimise noise impact.

7. Conclusion

- Anticipated noise levels and their impact on the school and surrounding area will be minimal.
- Due to the position of the new building it is likely that noise will be reduced to the houses immediately adjacent to this area of the site as the new building will provide shielding, and the external play area close to the boundary will be replaced with parking and the new building.