

- 11.101 In order to reduce the impact of such activities in line with LB Hillingdon criteria it will, therefore, be necessary to undertake a number of mitigation measures, the most effective of which are likely to be the construction of solid fences, with no gaps or holes, between service yards and existing/proposed residential properties.
- 11.102 It is, therefore, recommended that barriers with total heights of 7m and 5m be constructed along the eastern boundaries of proposed service yards C and D respectively, to protect upper floors of residential properties, and a 2m high barrier be constructed along the eastern boundaries of proposed service yards A and B.
- 11.103 In order to protect proposed residential units at Location 1, a barrier with a total height of 5m is recommended along the boundary between the car park to Unit D and the residential units. The location plan included as Appendix 11.2 shows the recommended barrier locations. Barriers could be constructed as a combination of fencing and bunding, the erection of which would reduce noise levels from activities within service yards by approximately 10 to 15 dB at residential properties.
- 11.104 The barriers must either be proprietary acoustic fences or fabricated from material with a minimum surface density of 12 kg/m<sup>2</sup>. It should be noted that 25mm thick seasoned softwood has a surface density of 12kg/m<sup>2</sup>. The acoustic fence must be constructed with longevity in mind and must be maintained so its acoustic performance will not reduce with time. In order not to compromise the acoustic performance of the fence there must be no air gaps in the structures, such as between the fence and the ground or between any individual panels or boards.