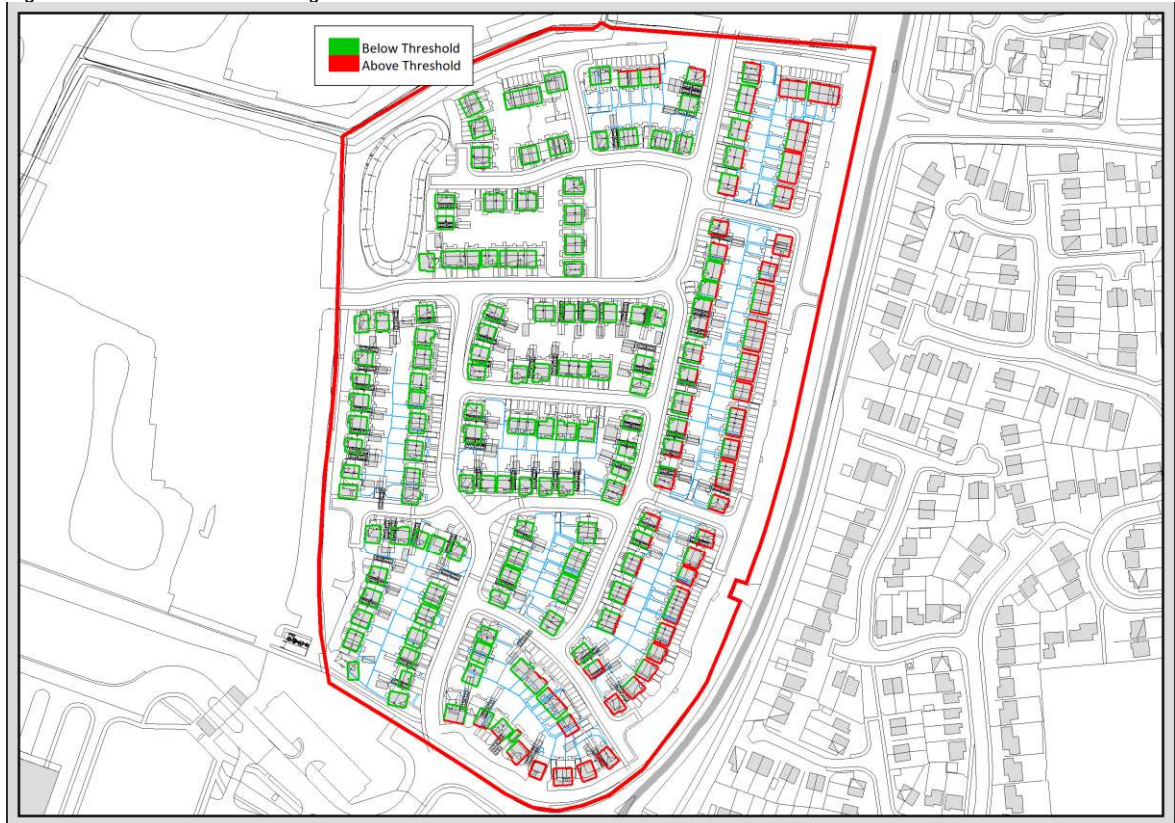


7.3 Assessment

- 7.3.1 Based on the calculated external sound levels presented in **Appendix D** and the proposed development being located within a moderate risk location, **Figure 4** illustrates the façades which are expected to be above/below the guidance external sound levels outlined within the draft Approved Document O guidelines.

Figure 4: Location of Overheating Thresholds



- 7.3.2 Facades outlined in green are likely to be able to utilise openable windows as a means to control overheating.
- 7.3.3 For facades outlined in red, subject to the results of dynamic thermal modelling, it is unlikely that openable windows can be utilised as a means to control overheating and achieve the internal noise level criteria. Therefore, the ventilation strategy may need to consider the use of an attenuated ventilation path or mechanical means by which to remove excess heat.
- 7.3.4 A detailed assessment of external noise intrusion during the overheating condition should be undertaken when the relevant design aspects are available for assessment.

Plots outlined in red require fans [please see TM59 & working drawings for details]