

Appendix 13.1 – Figure 1 ProPG Stage 1 Noise Risk Assessment

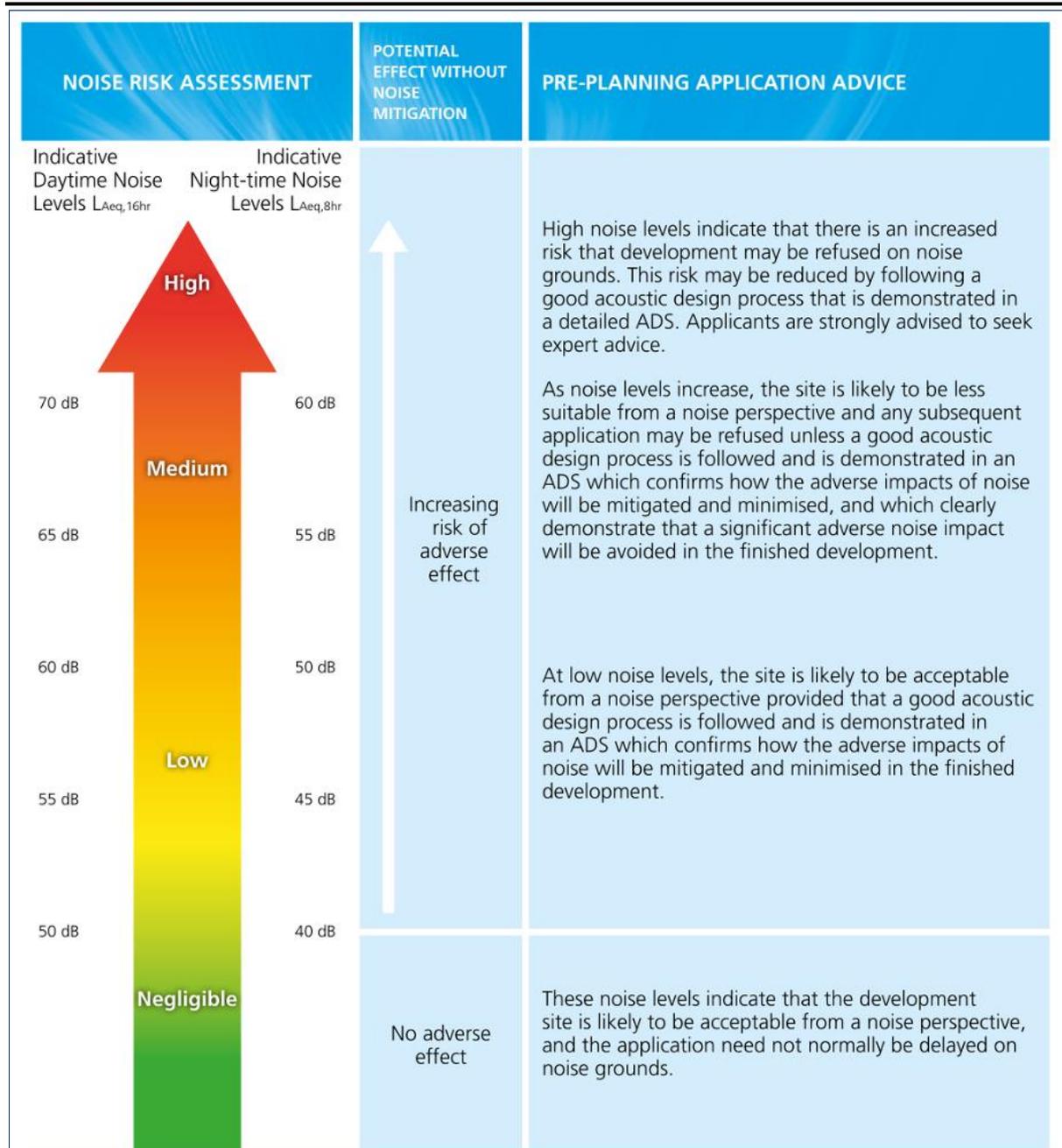
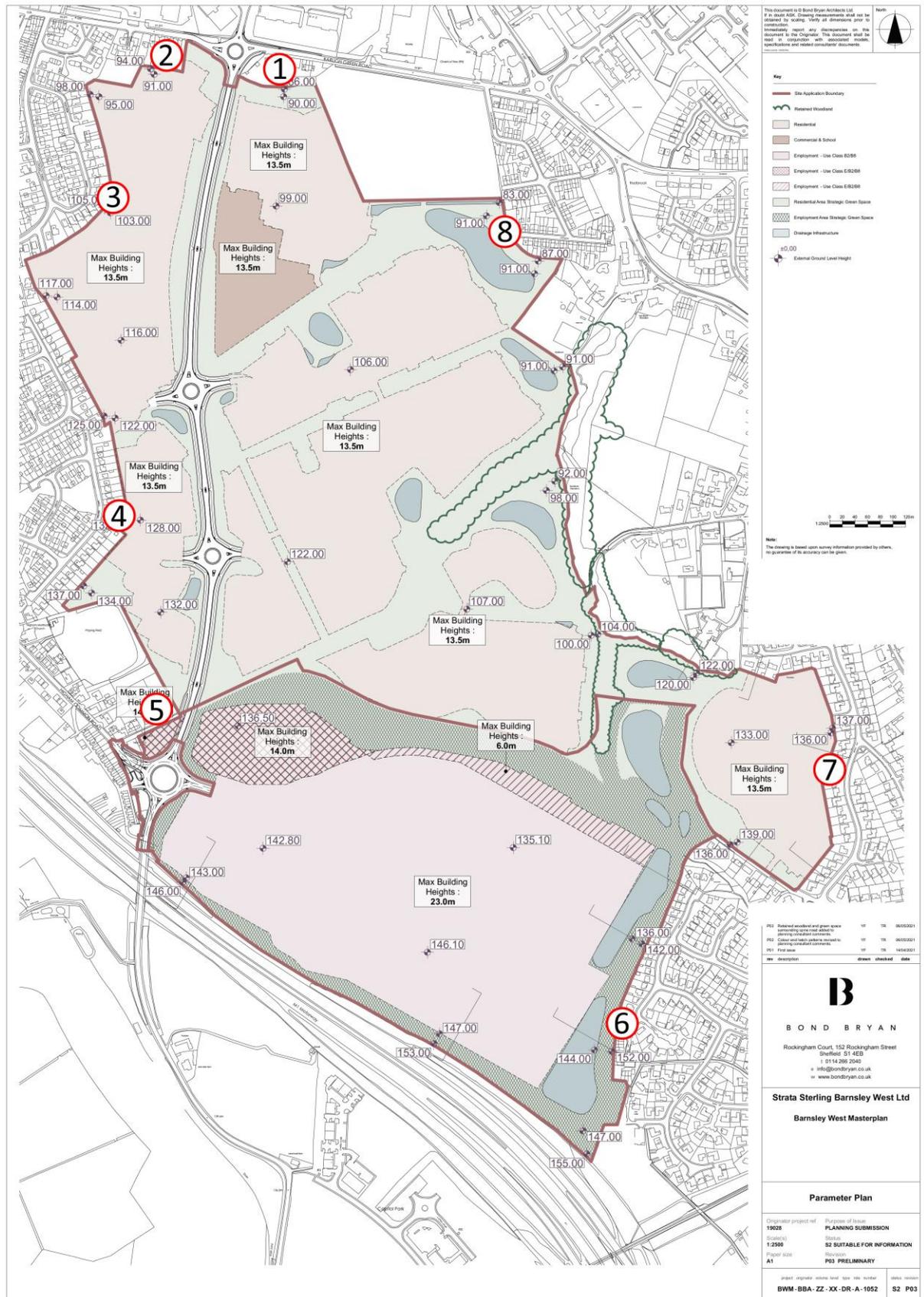


Figure 1 Notes:

- a. Indicative noise levels should be assessed without inclusion of the acoustic effect of any scheme specific noise mitigation measures.
- b. Indicative noise levels are the combined free-field noise level from all sources of transport noise and may also include industrial/commercial noise where this is present but is "not dominant".
- c. $L_{Aeq,16hr}$ is for daytime 0700 – 2300, $L_{Aeq,8hr}$ is for night-time 2300 – 0700.
- d. An indication that there may be more than 10 noise events at night (2300 – 0700) with $L_{Amax,F} > 60$ dB means the site should not be regarded as negligible risk.

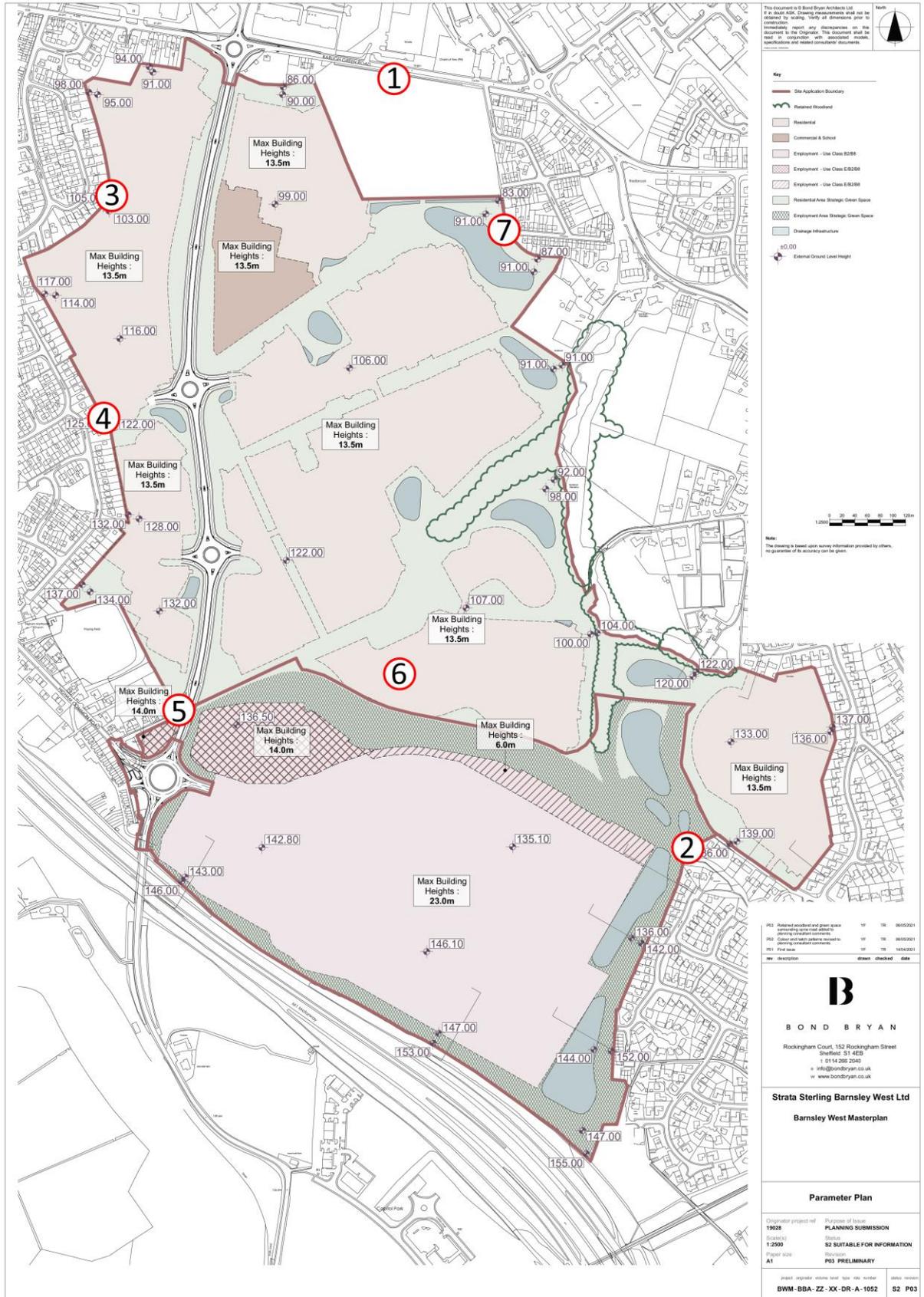
Appendix 13.1 – Figure 2 Noise Sensitive Receptors

Noise



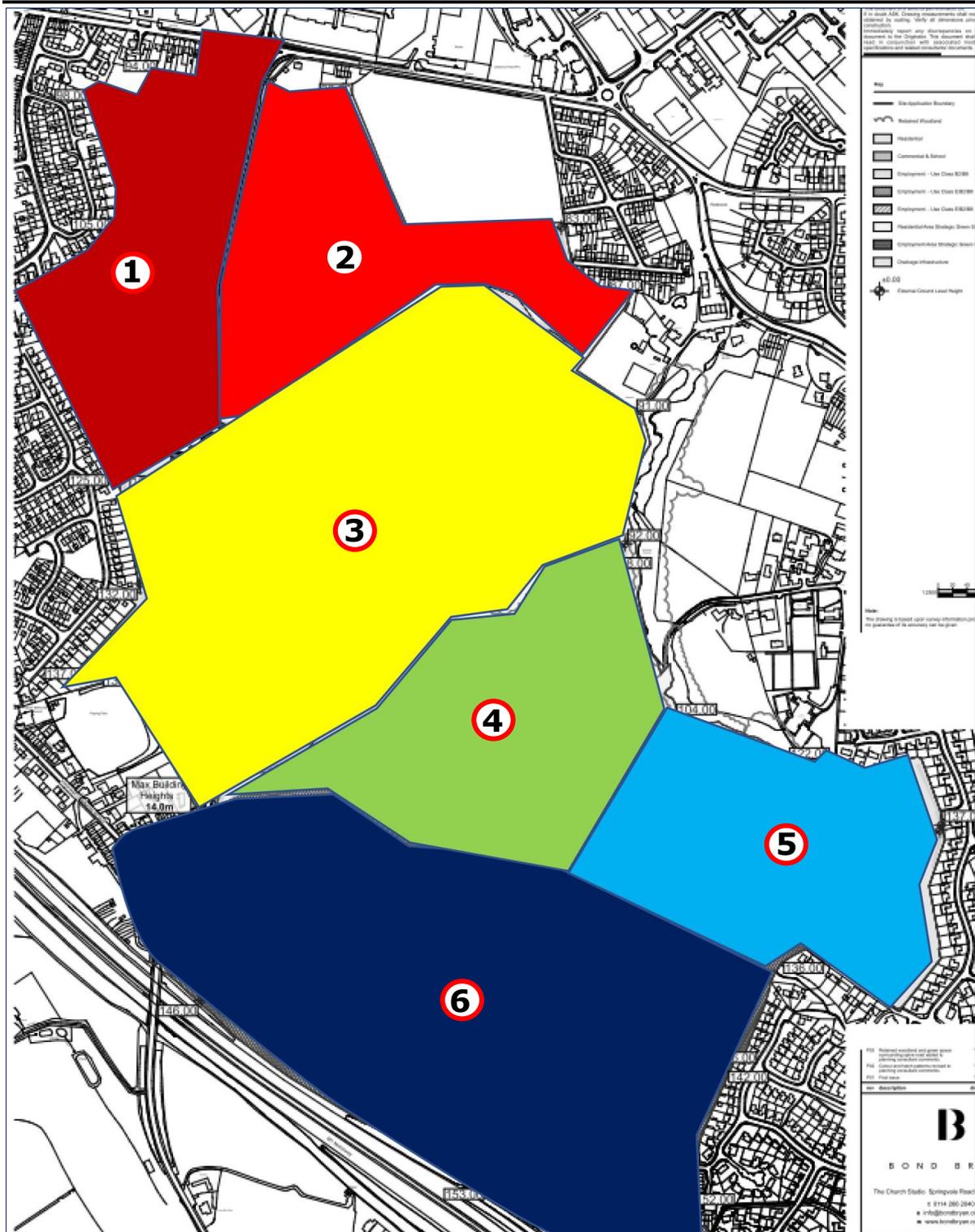
Appendix 13.1 – Figure 3 Baseline Noise Monitoring Locations

Noise



**Appendix 13.1 – Figure 4
Construction Phase Work Areas (Assumed)**

Noise



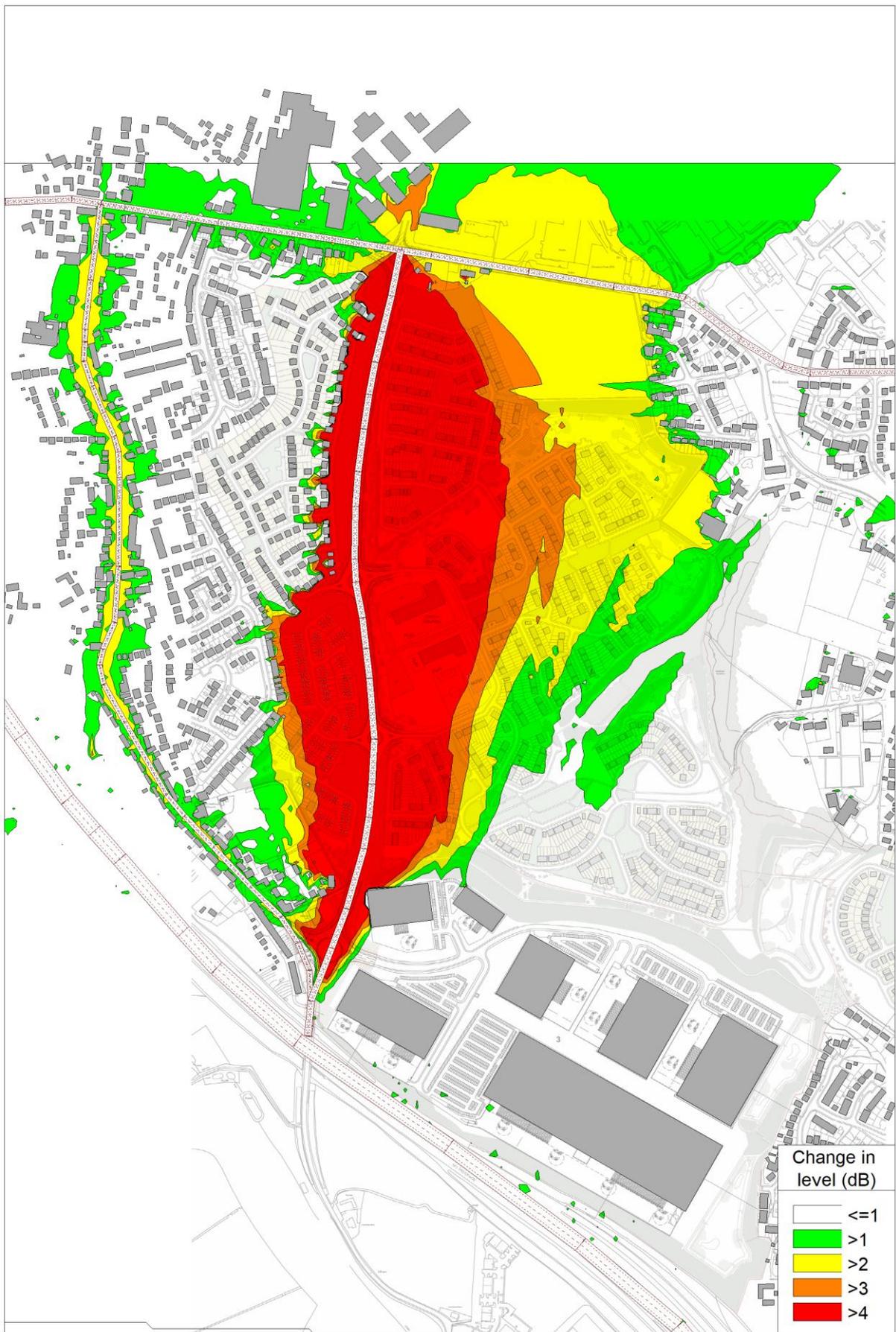
Appendix 13.1 – Figure 5
Road Traffic Noise Level Changes – DMOY to DSOY (Long Term Changes
in dB $L_{A10,18hr}$ With Phase 1, no Link Road)

Noise



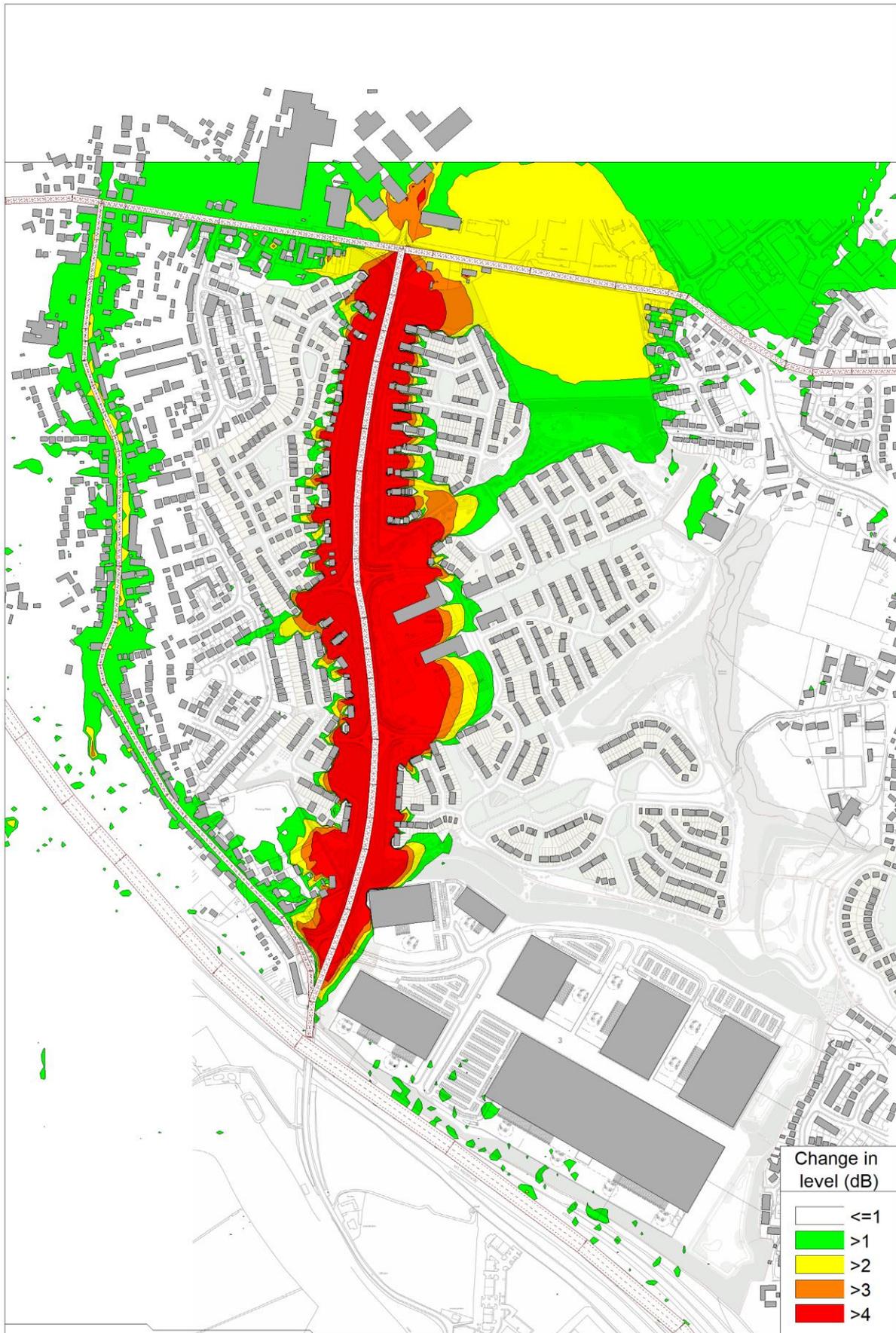
Appendix 13.1 – Figure 6
Road Traffic Noise Level Changes – DMOY to DSOY (Short Term Changes
in dB $L_{A10,18hr}$ With Proposed Development and Link Road)

Noise



Appendix 13.1 – Figure 7
Road Traffic Noise Level Changes – DMOY to DSFY (Long Term Changes
in dB LA10,18hr With Proposed Development)

Noise



Appendix 13.1 – Figure 8 Mitigation of Road Traffic Noise Impact

Noise

Indicative Barrier Location



Indicative Cross Section

