



SNC • LAVALIN

West Cheltenham Transport Improvement Scheme – Phase 1 Arle Court Roundabout Improvements

Appendix G: Noise Modelling Figures

Gloucestershire County Council

15 October 2019



Notice

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This document has 12 pages including the cover.

Document history

Revision	Purpose description	Origin-ated	Checked	Reviewed	Author-ised	Date
Rev 1.0	<purpose>	CH	DB	AL	IE	09/10/2019

Client signoff

Client	Gloucestershire County Council
Project	West Cheltenham Transport Improvement Scheme – Phase 1 Arle Court Roundabout Improvements
Job number	5188770
Client signature / date	

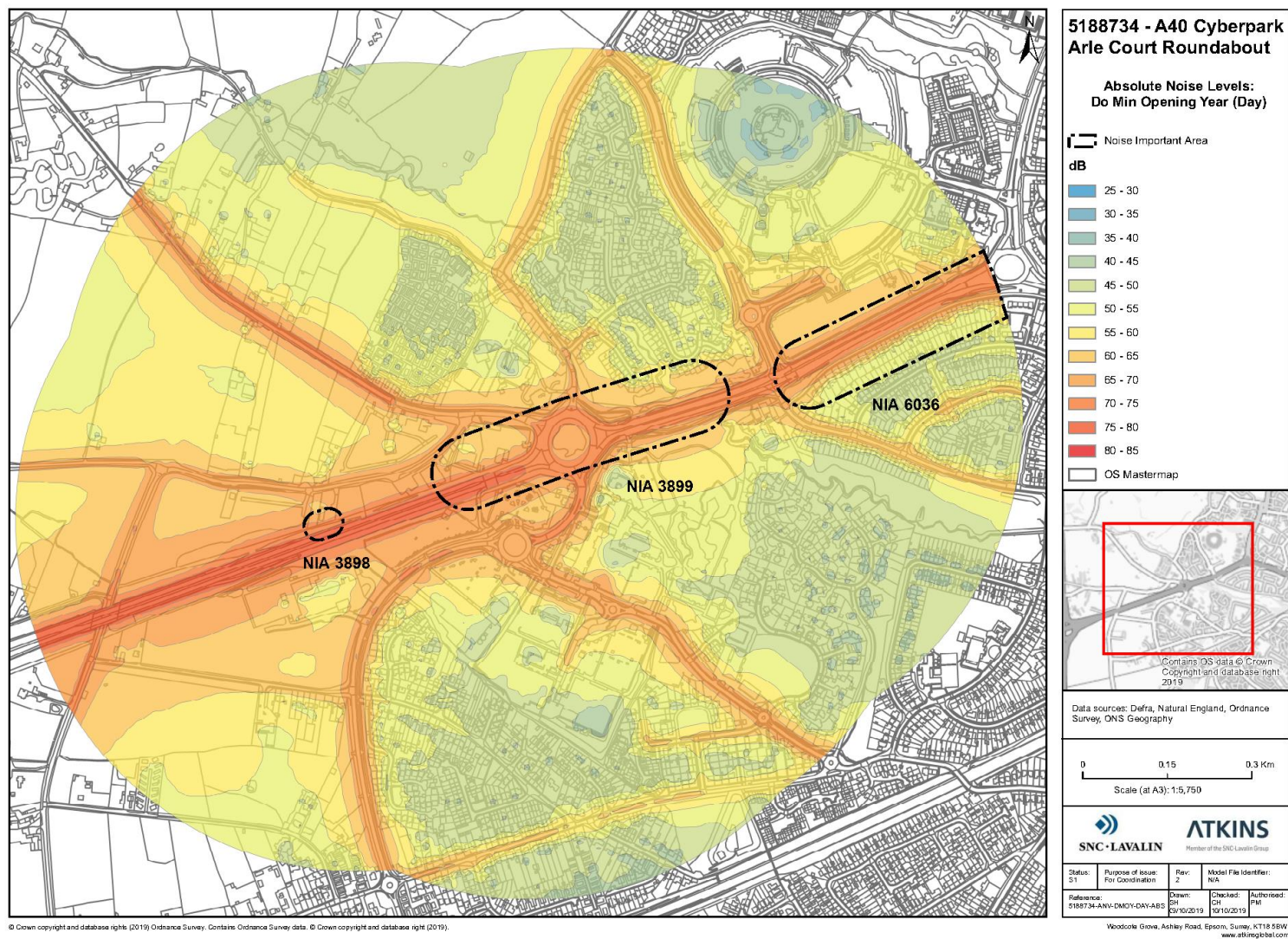


Figure 1: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Minimum Opening Year (2021)

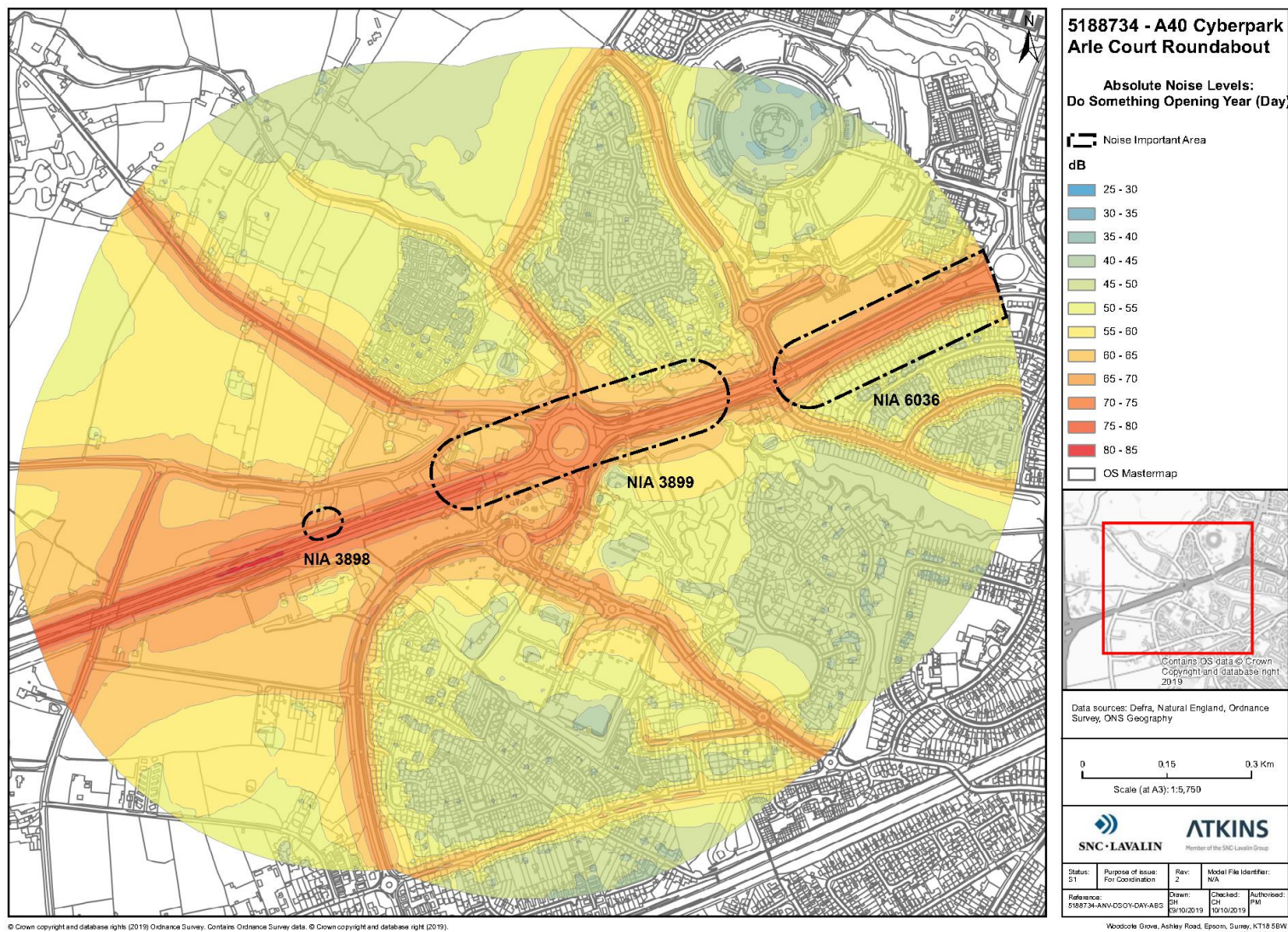


Figure 2: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Something Opening Year (2021)

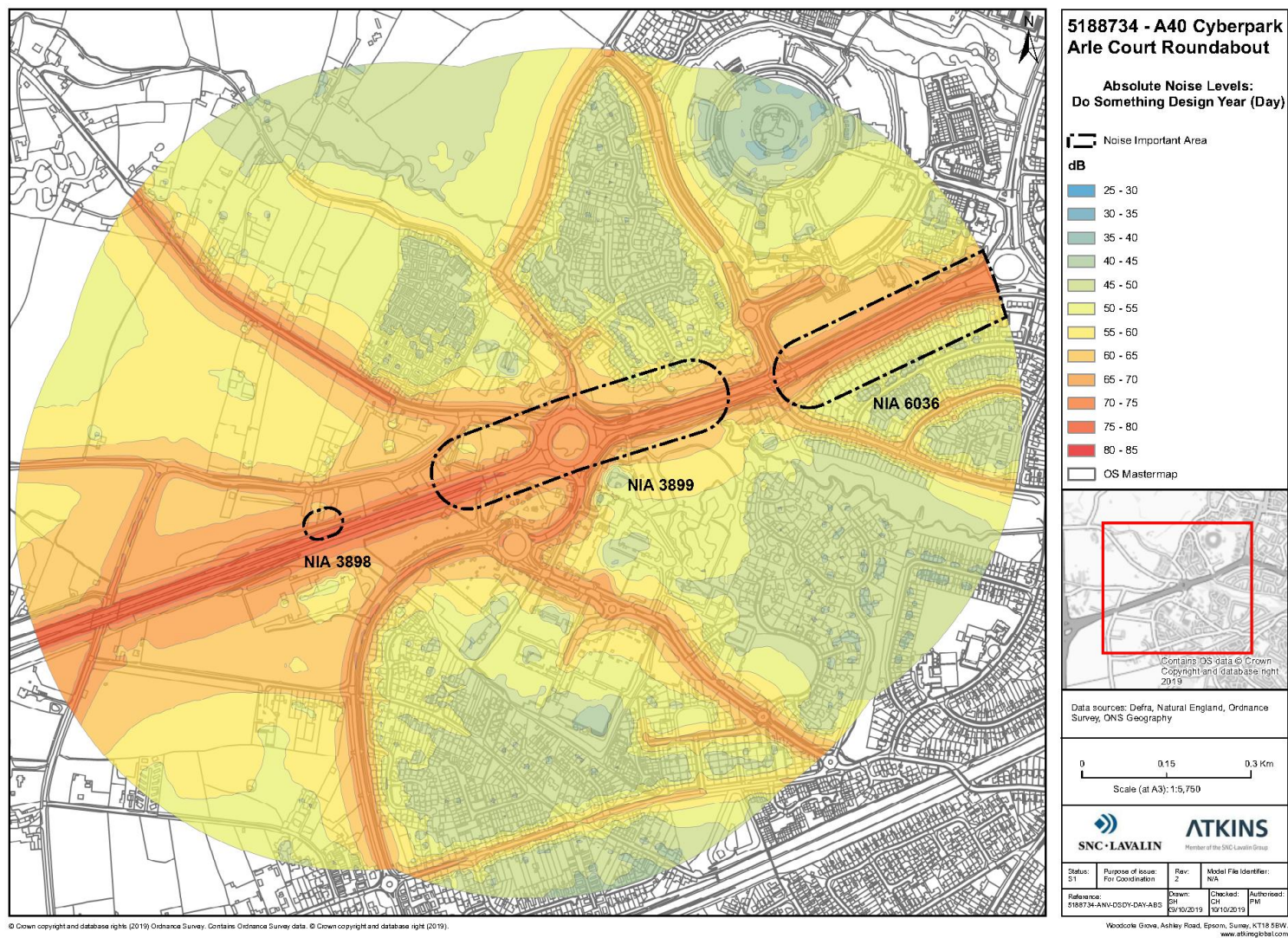


Figure 3: Absolute Noise Levels Daytime ($L_{A10, 18h}$), Do Something Design Year (2031)

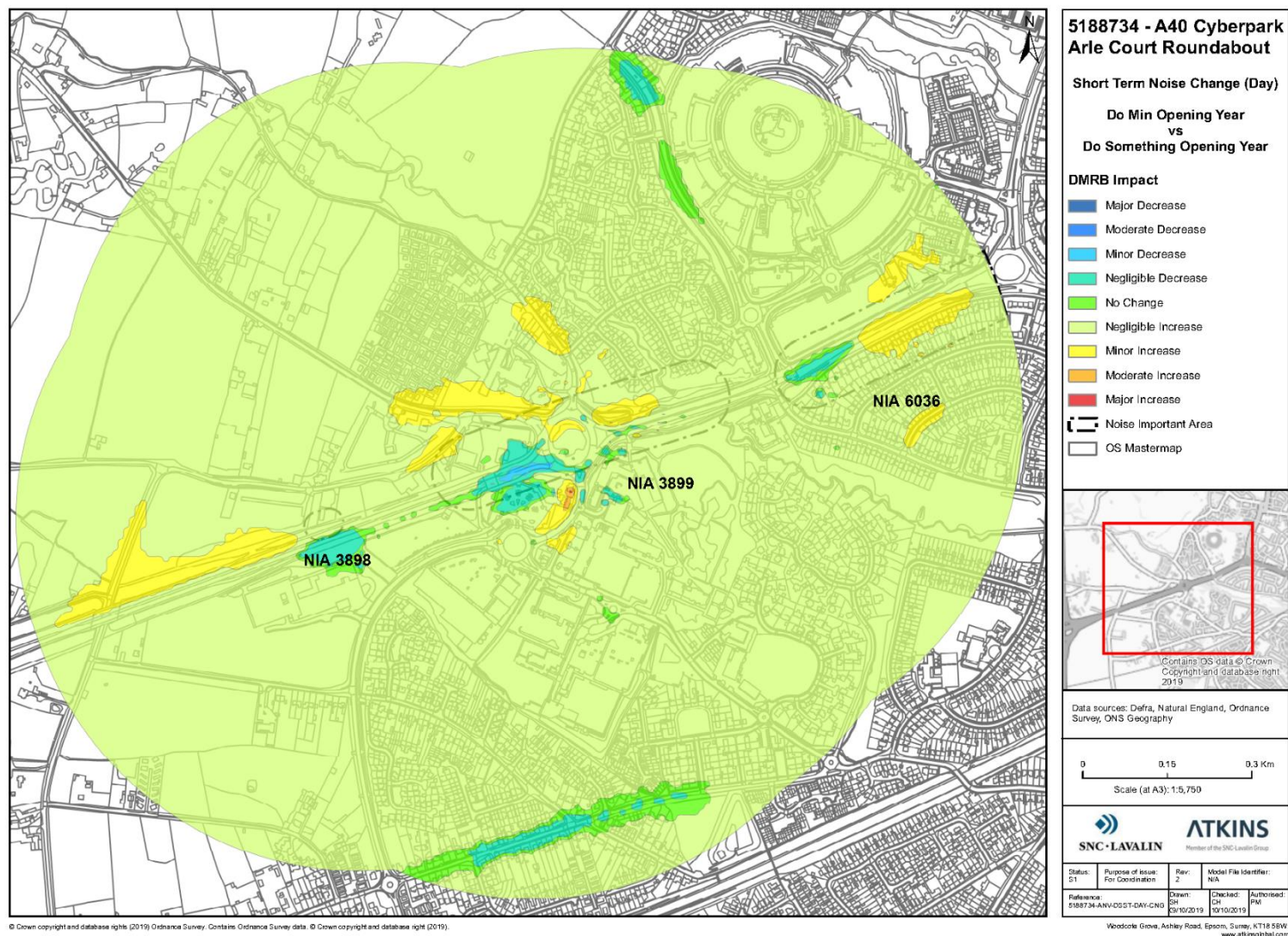


Figure 4: Noise Level Change Daytime (with scheme), Short Term (L_{A10} , 18h) – Do Minimum Opening Year (2021) vs Do Something Opening Year (2021)

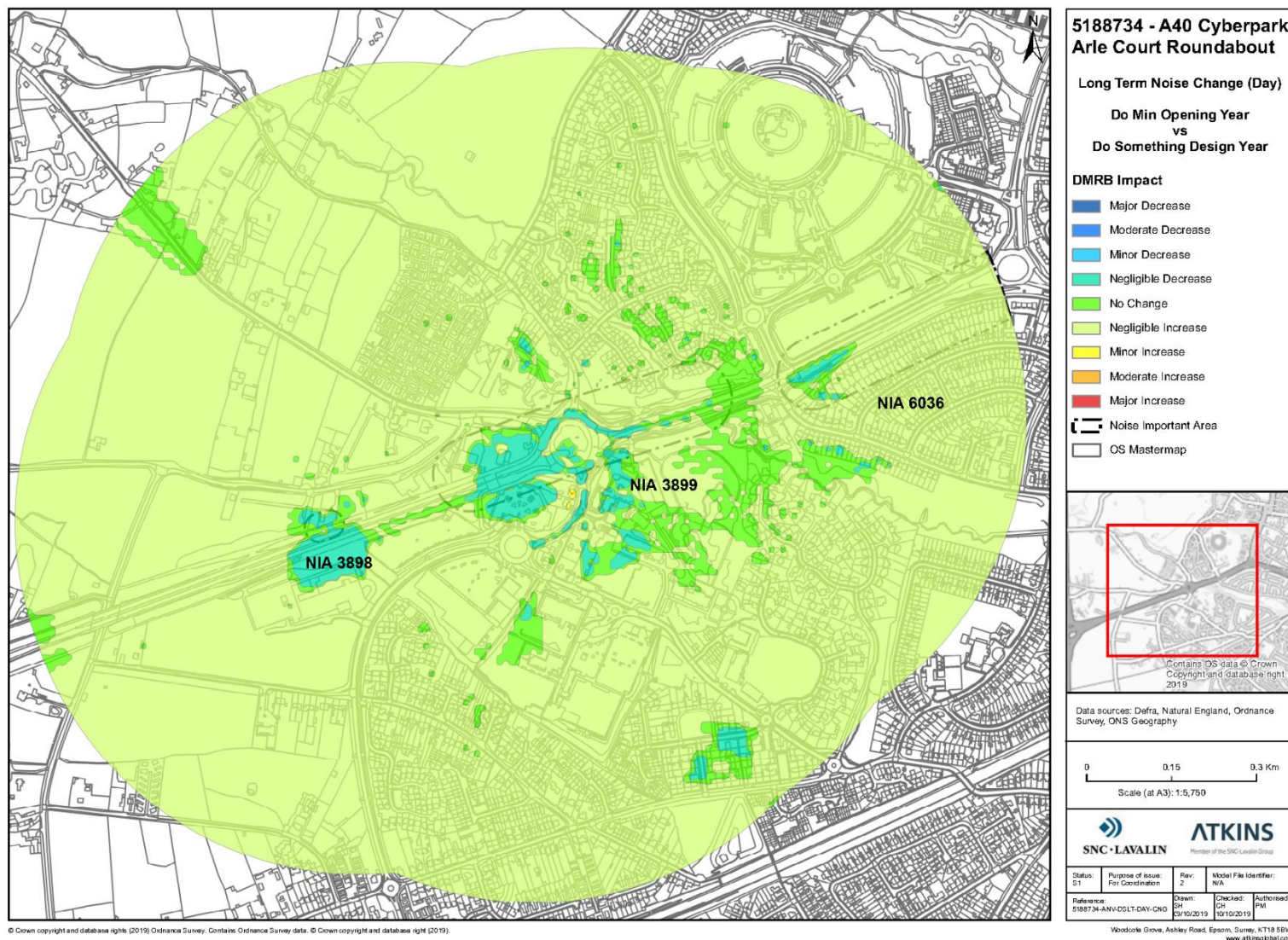


Figure 5: Noise Level Change Daytime (with scheme), Long Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Design Year (2031)

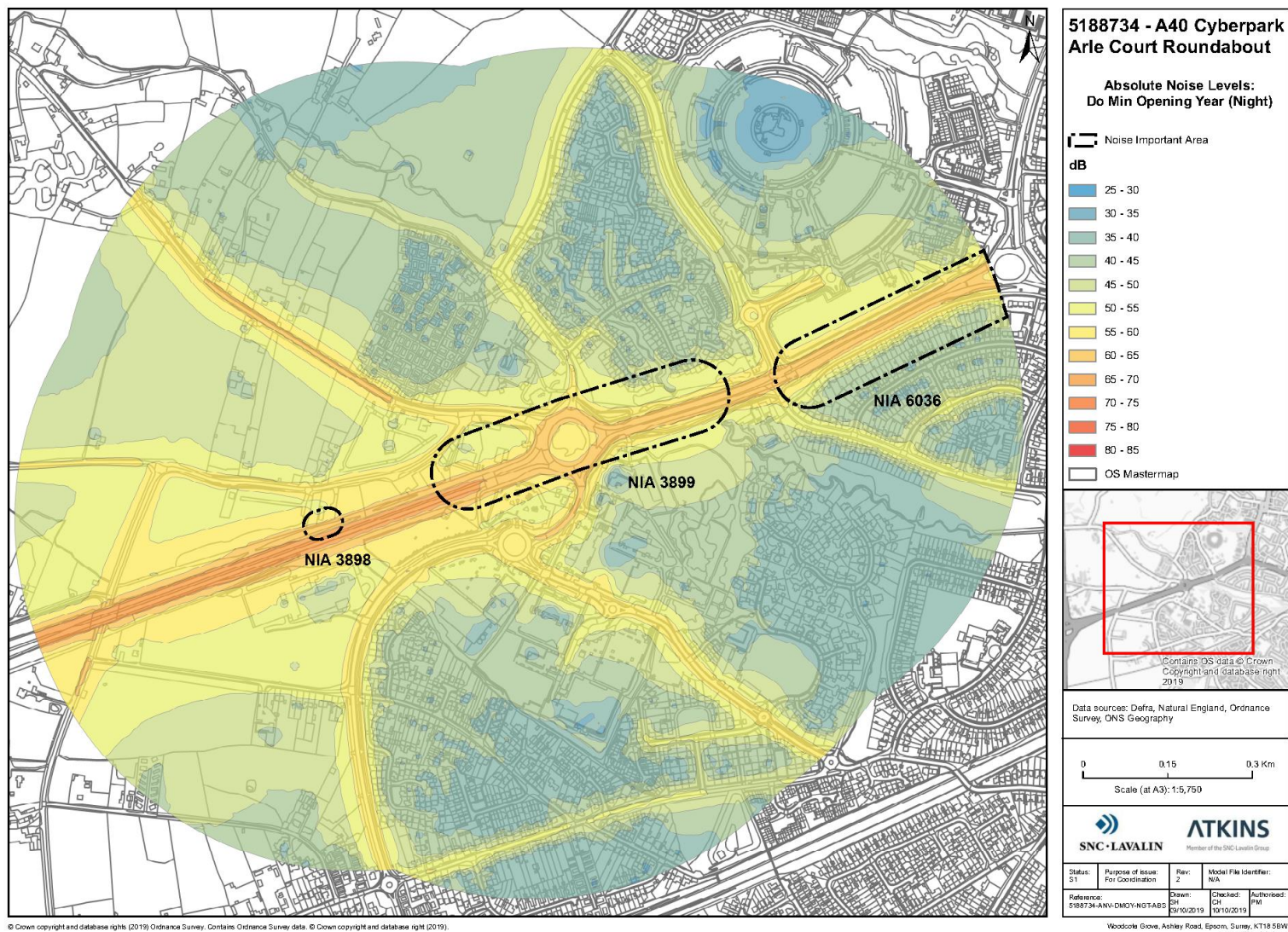


Figure 6: Absolute Noise Levels Night-time ($L_{A10, 18h}$), Do Minimum Opening Year (2021)

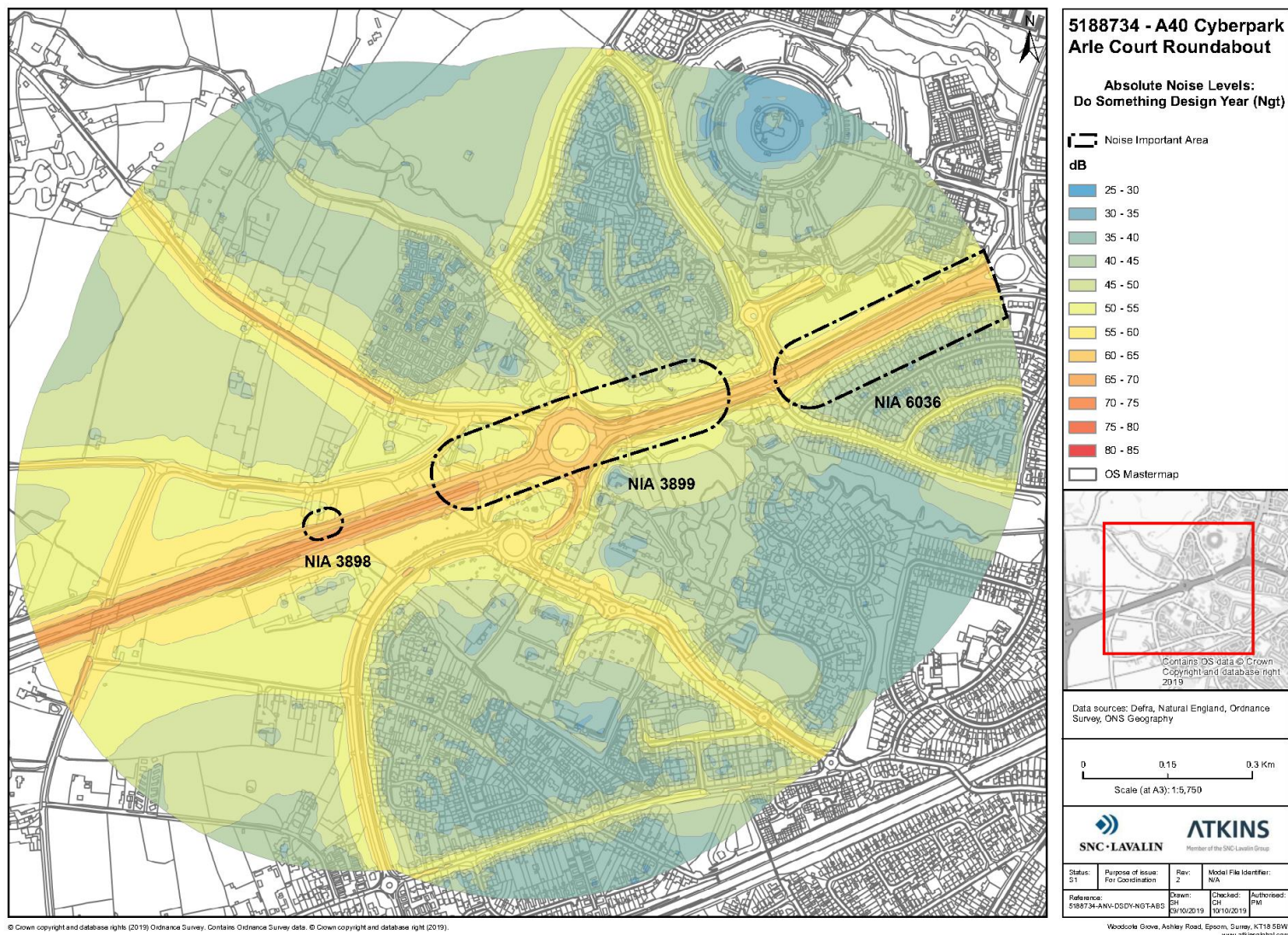


Figure 7: Absolute Noise Levels Night-time ($L_{A10, 18h}$), Do Something Design Year (2031)

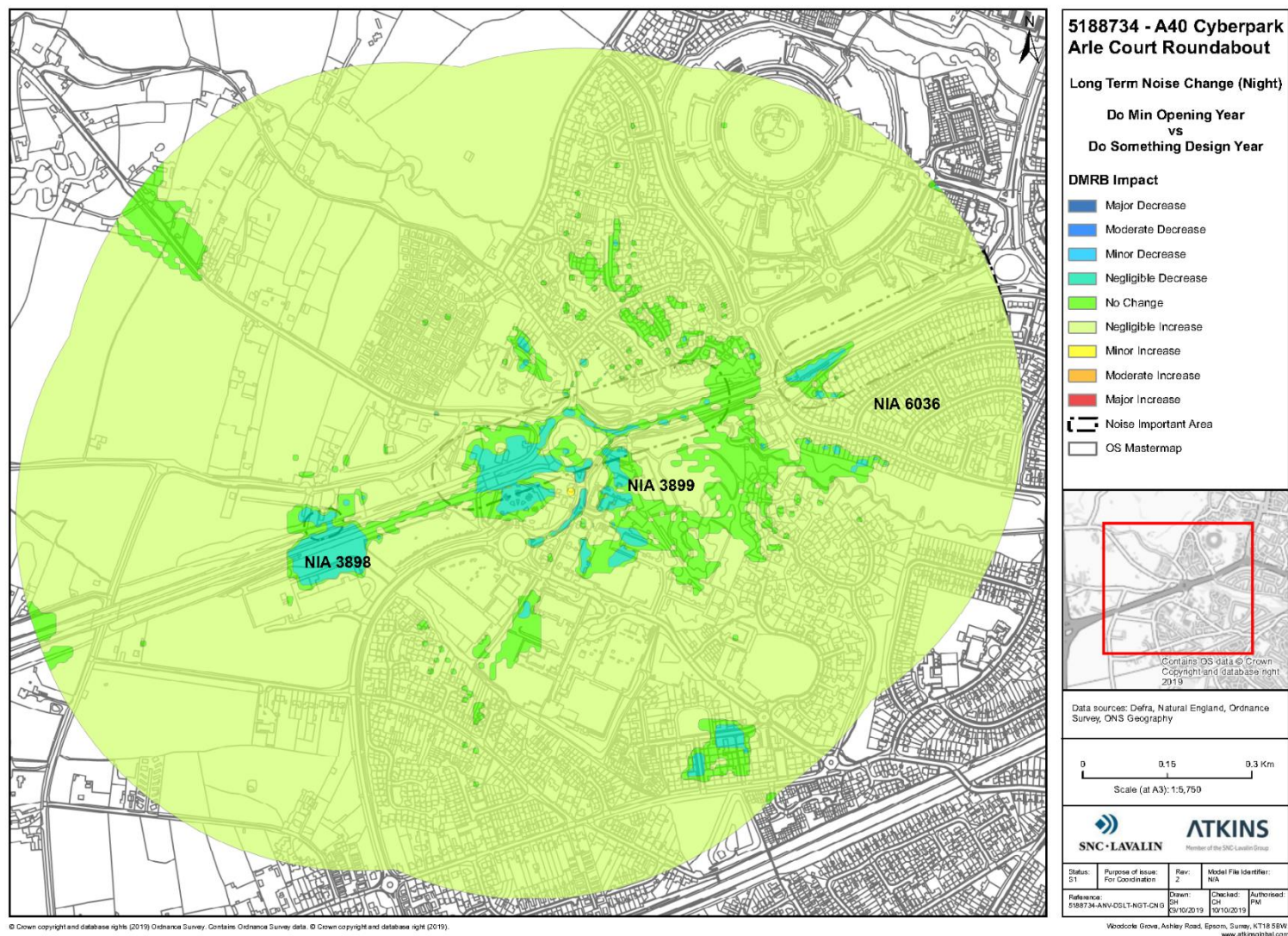
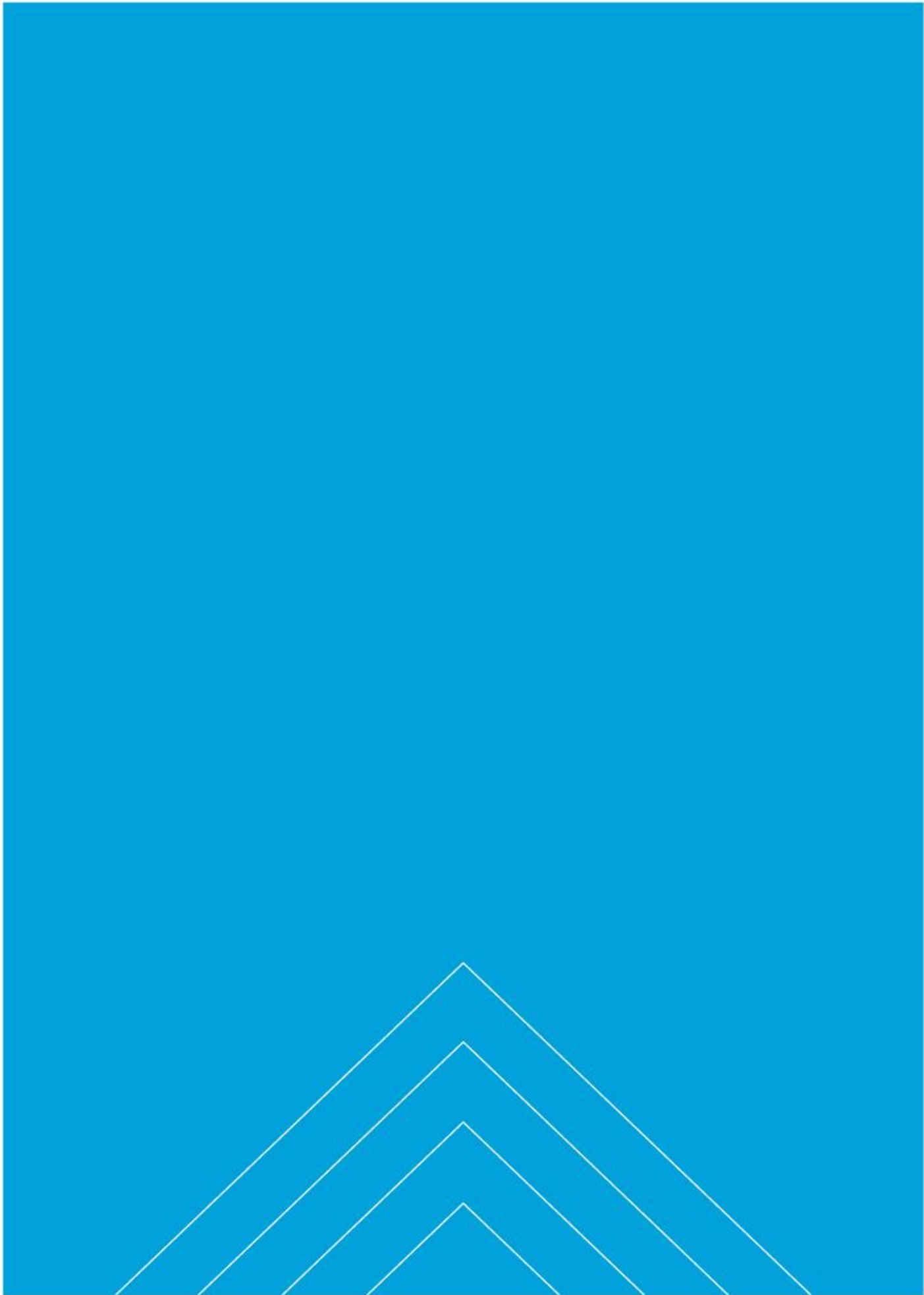


Figure 8: Noise Level Change Night-time (with scheme), Long Term ($L_{A10, 18h}$) – Do Minimum Opening Year (2021) vs Do Something Design Year (2031)



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