

June 2023

London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 5 Environmental Statement and Related Documents 5.03 Chapter 16 Noise and Vibration Figures 16.29 - 16.36

Application Document Ref: TR020001/APP/5.03 APFP Regulation: 5(2)(a)

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

London Luton Airport Expansion Development Consent Order 202x

5.03 ENVIRONMENTAL STATEMENT CHAPTER 16 NOISE AND VIBRATION FIGURES 16.29 – 16.36

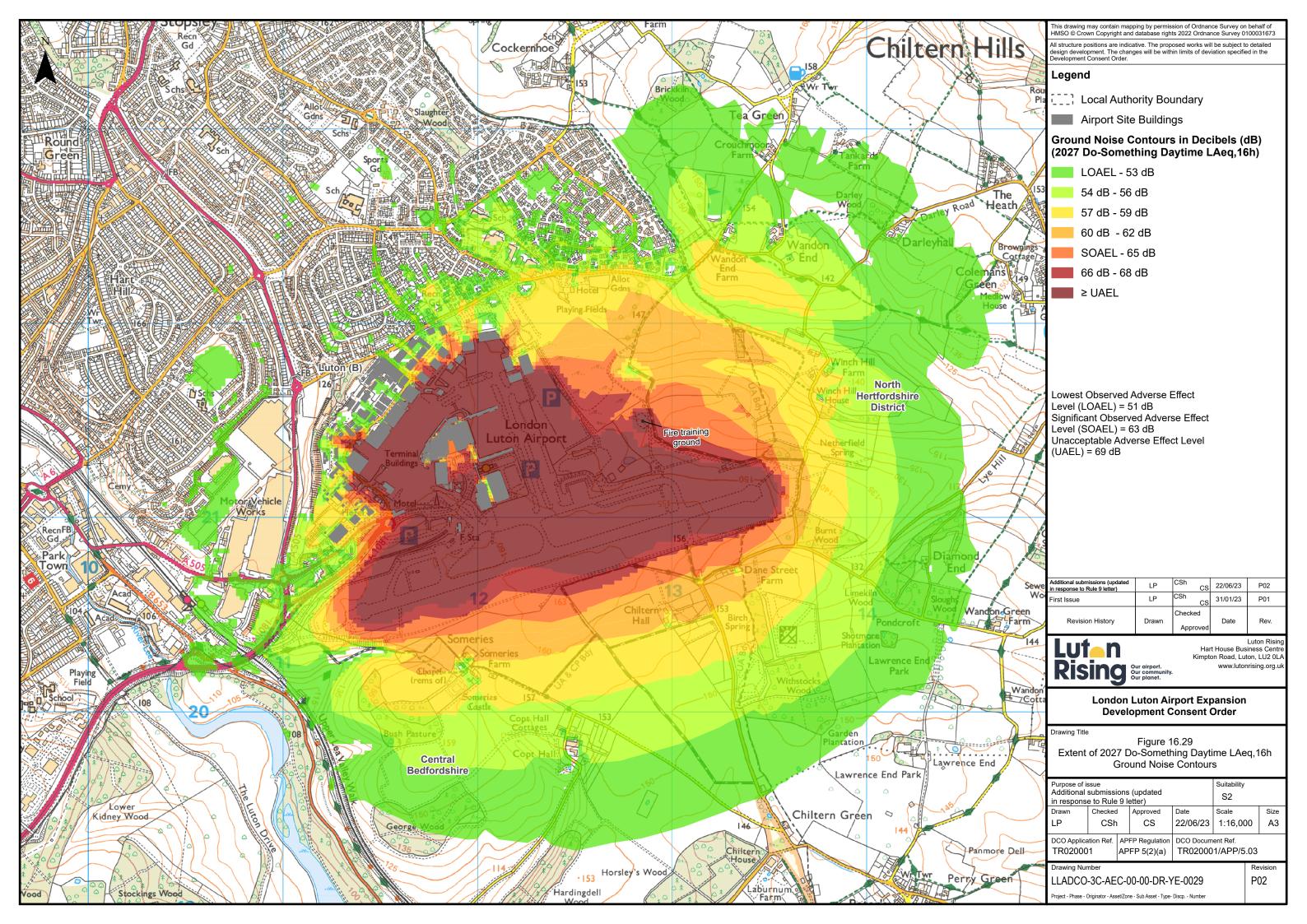
Regulation number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR020001
Document Reference:	TR020001/APP/5.03
Author:	Luton Rising

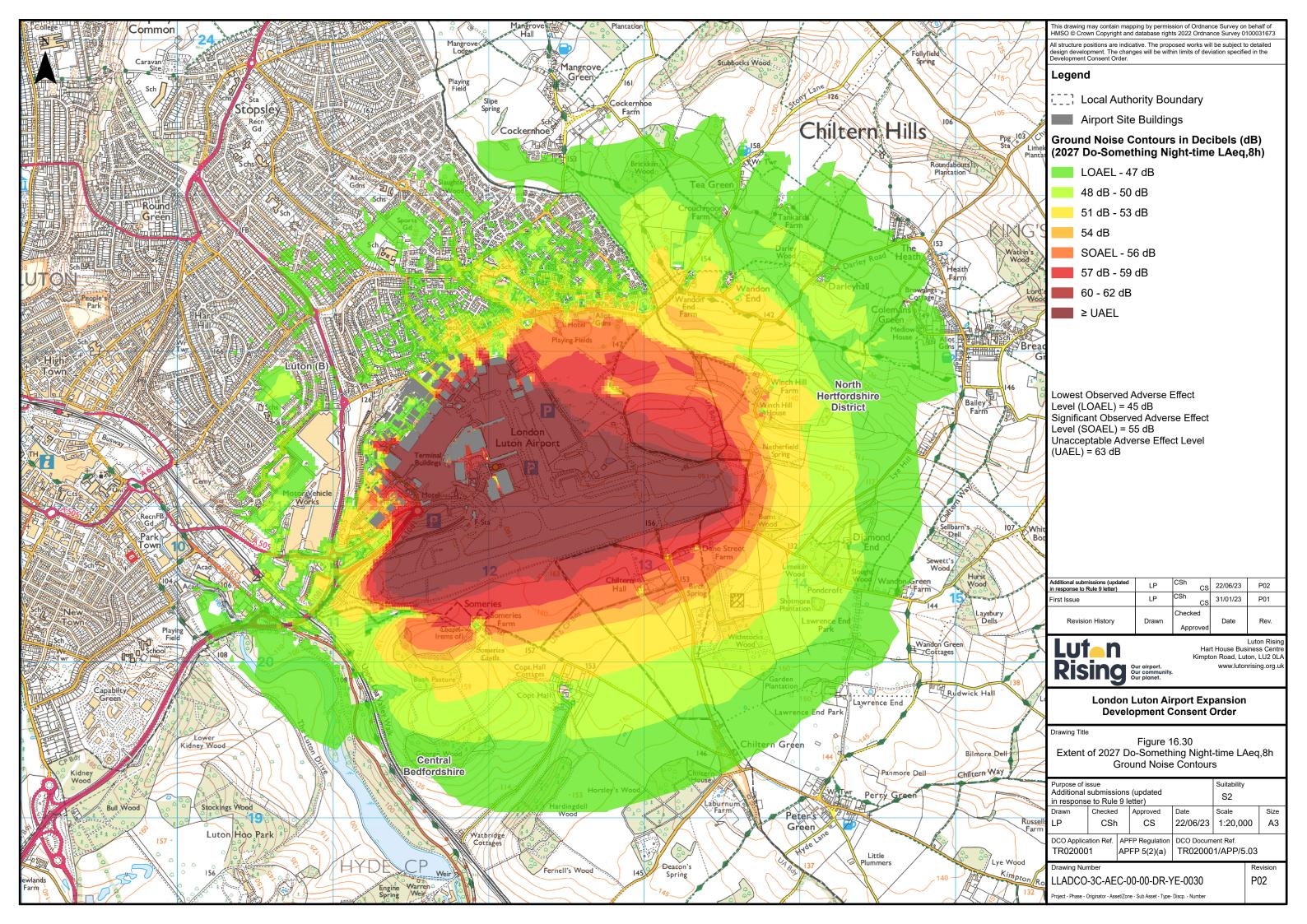
Version	Date	Status of Version
Issue 01	February 2023	Application issue
Revision 01	June 2023	Additional submissions (updated in response to Rule 9 letter)

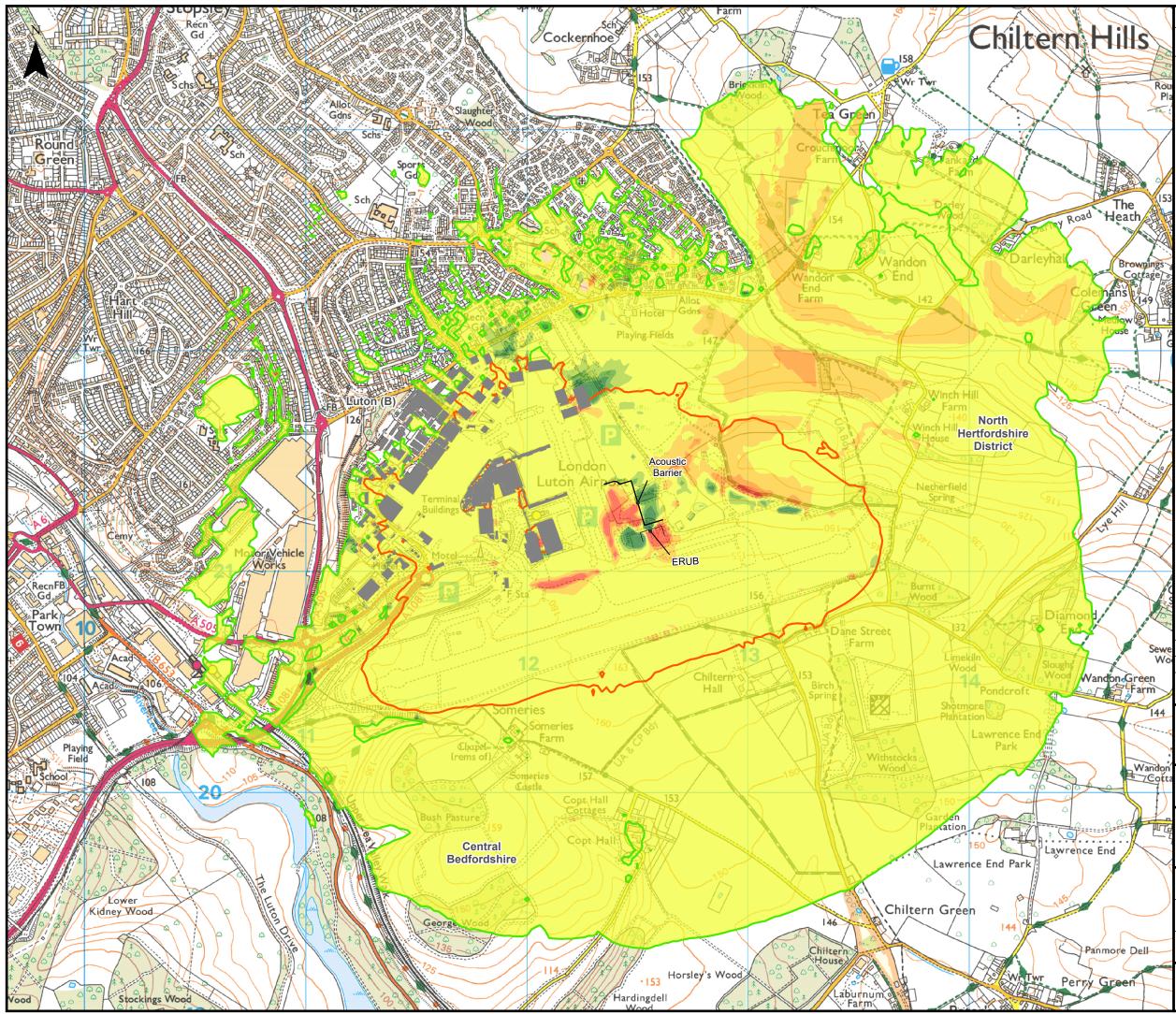


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Legend

Local Authority Boundaries

Airport Site Buildings

Change in 2027 Do-Something - Do-Minimum Daytime LAeq,16h Ground Noise Contours

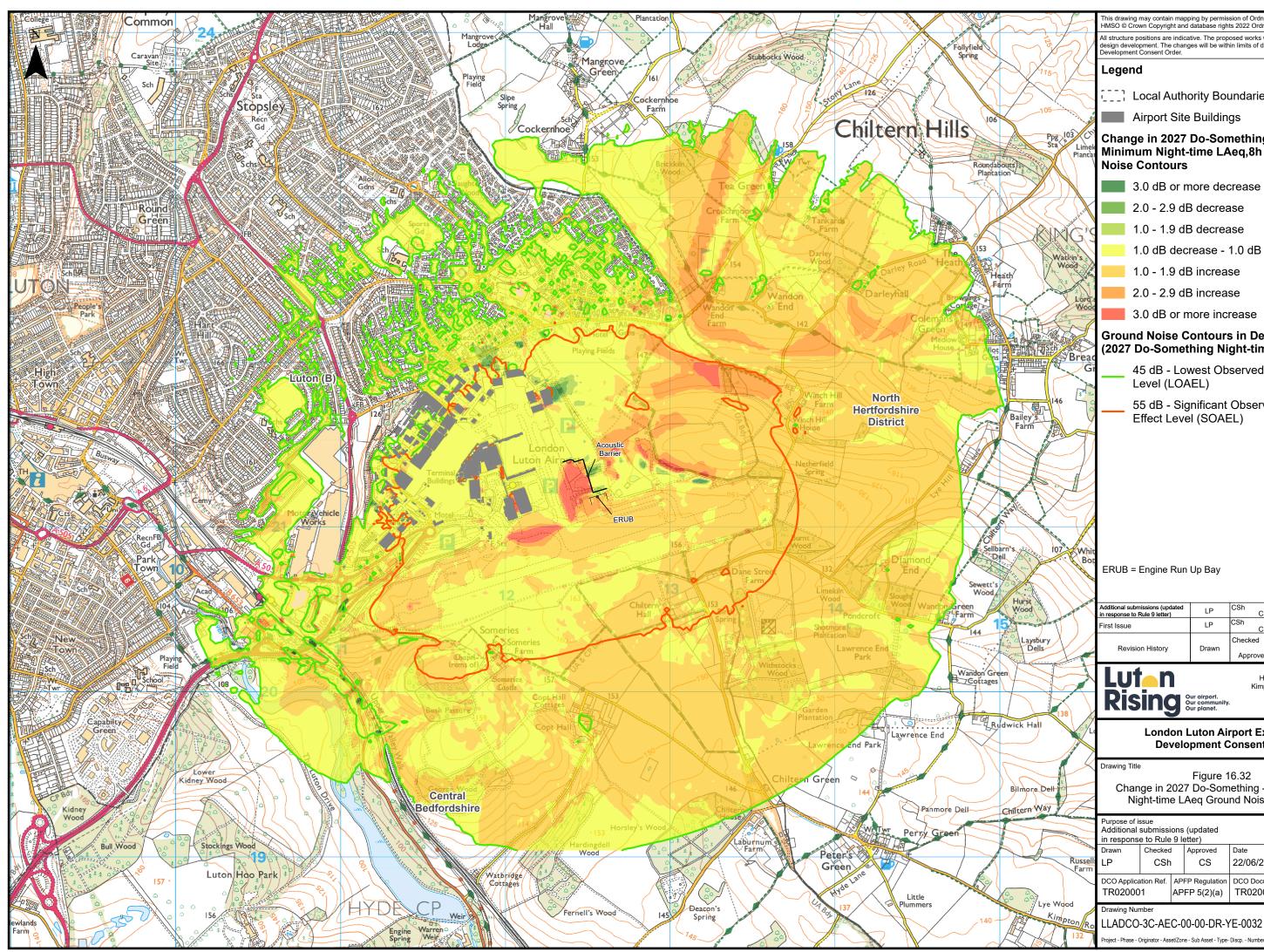
- 3.0 dB or more increase
- 2.0 2.9 dB decrease
 - 1.0 1.9 dB decrease
 - 1.0 dB decrease 1.0 dB increase
 - 1.0 1.9 dB increase
 - 2.0 2.9 dB increase
 - 3.0 dB or more increase

Ground Noise Contours in Decibels (dB) (2027 Do-Something Daytime LAeq,16h)

- 51 dB Lowest Observed Adverse Effect Level (LOAEL)
- 63 dB Significant Observed Adverse Effect Level (SOAEL)

ERUB = Engine Run Up Bay

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Legend

Local Authority Boundaries

Airport Site Buildings

Change in 2027 Do-Something - Do-Minimum Night-time LAeq,8h Ground Noise Contours

- 3.0 dB or more decrease
- 2.0 2.9 dB decrease
 - 1.0 1.9 dB decrease
 - 1.0 dB decrease 1.0 dB increase
 - 1.0 1.9 dB increase
 - 2.0 2.9 dB increase
 - 3.0 dB or more increase

Ground Noise Contours in Decibels (dB) (2027 Do-Something Night-time LAeq,8h)

- 45 dB Lowest Observed Adverse Effect Level (LOAEL)
- 55 dB Significant Observed Adverse Effect Level (SOAEL)

ERUB = Engine Run Up Bay

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	Additional submissions (updated in response to Rule 9 letter)	LP	CSh CS	22/06/23	P02
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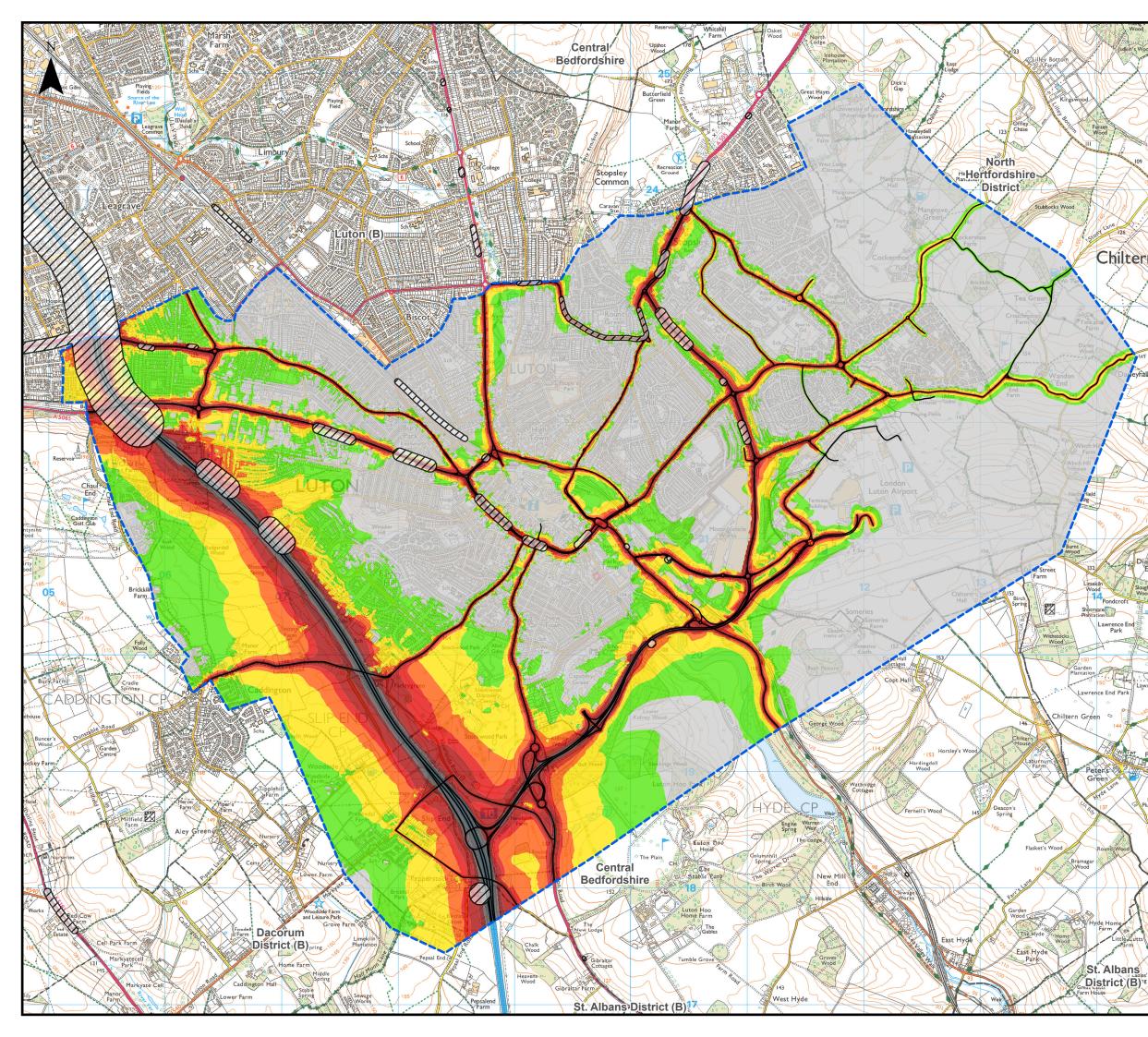
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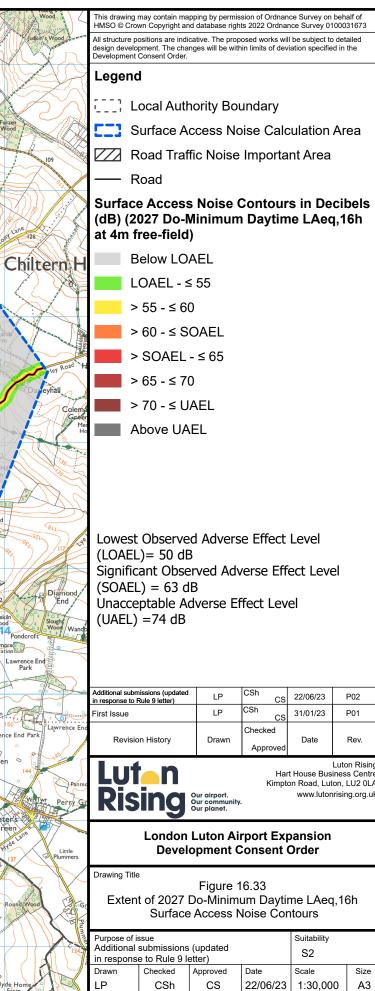
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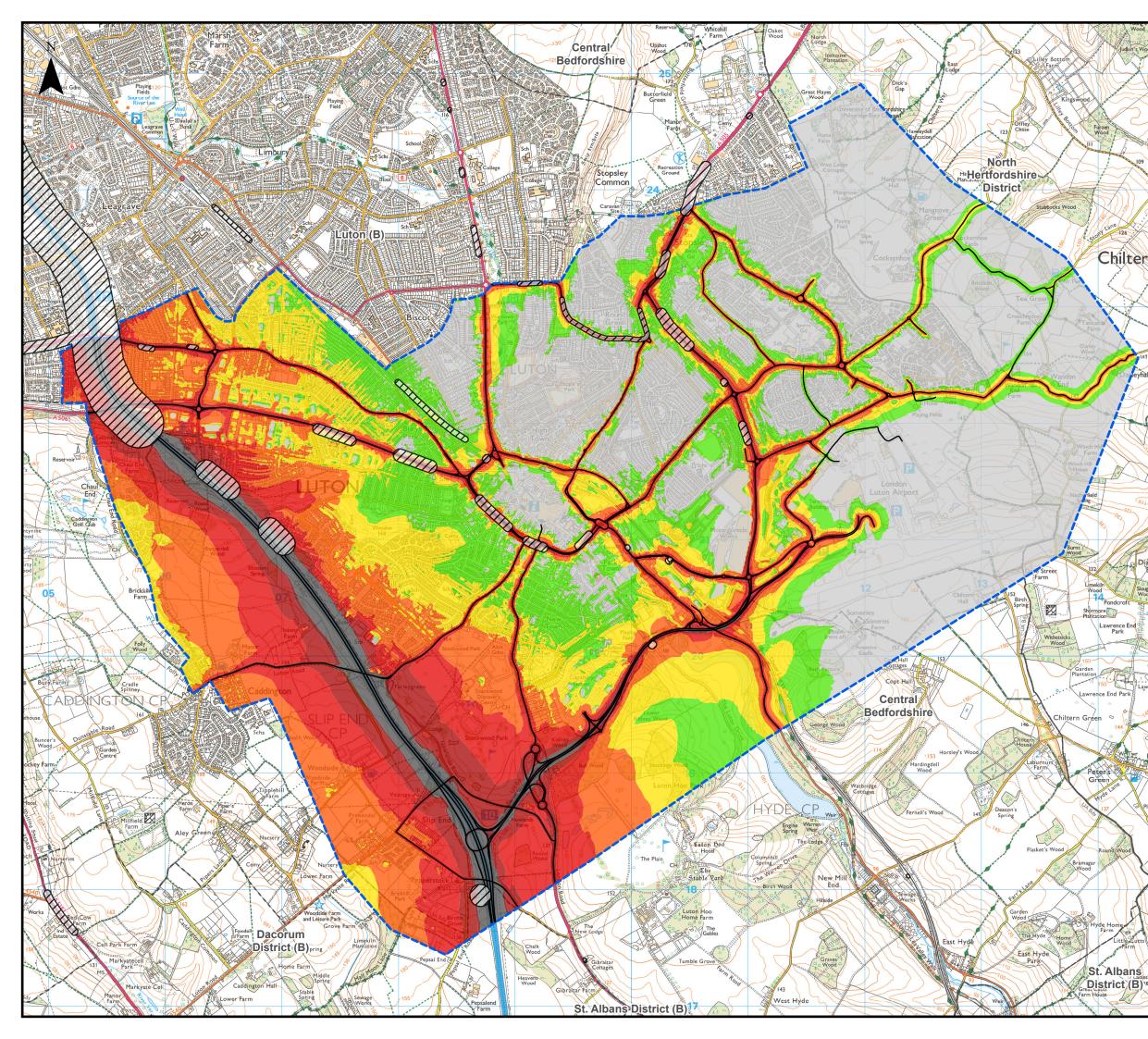
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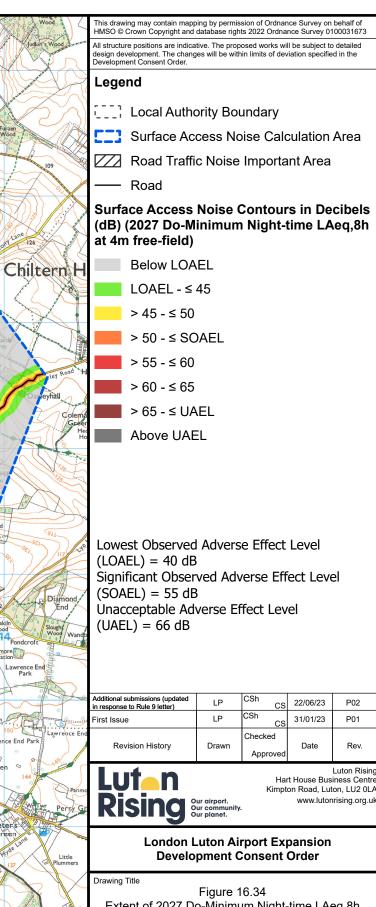
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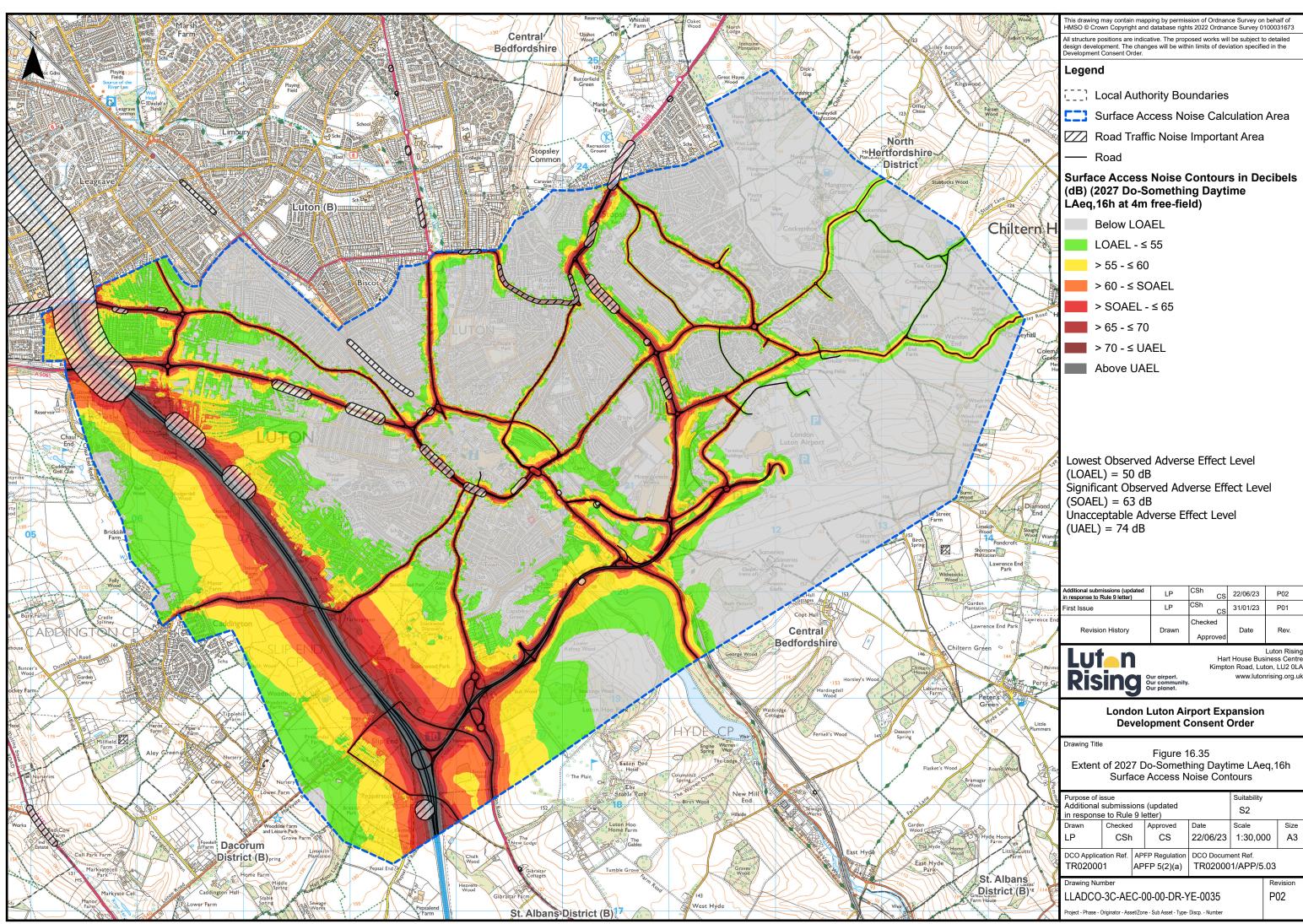
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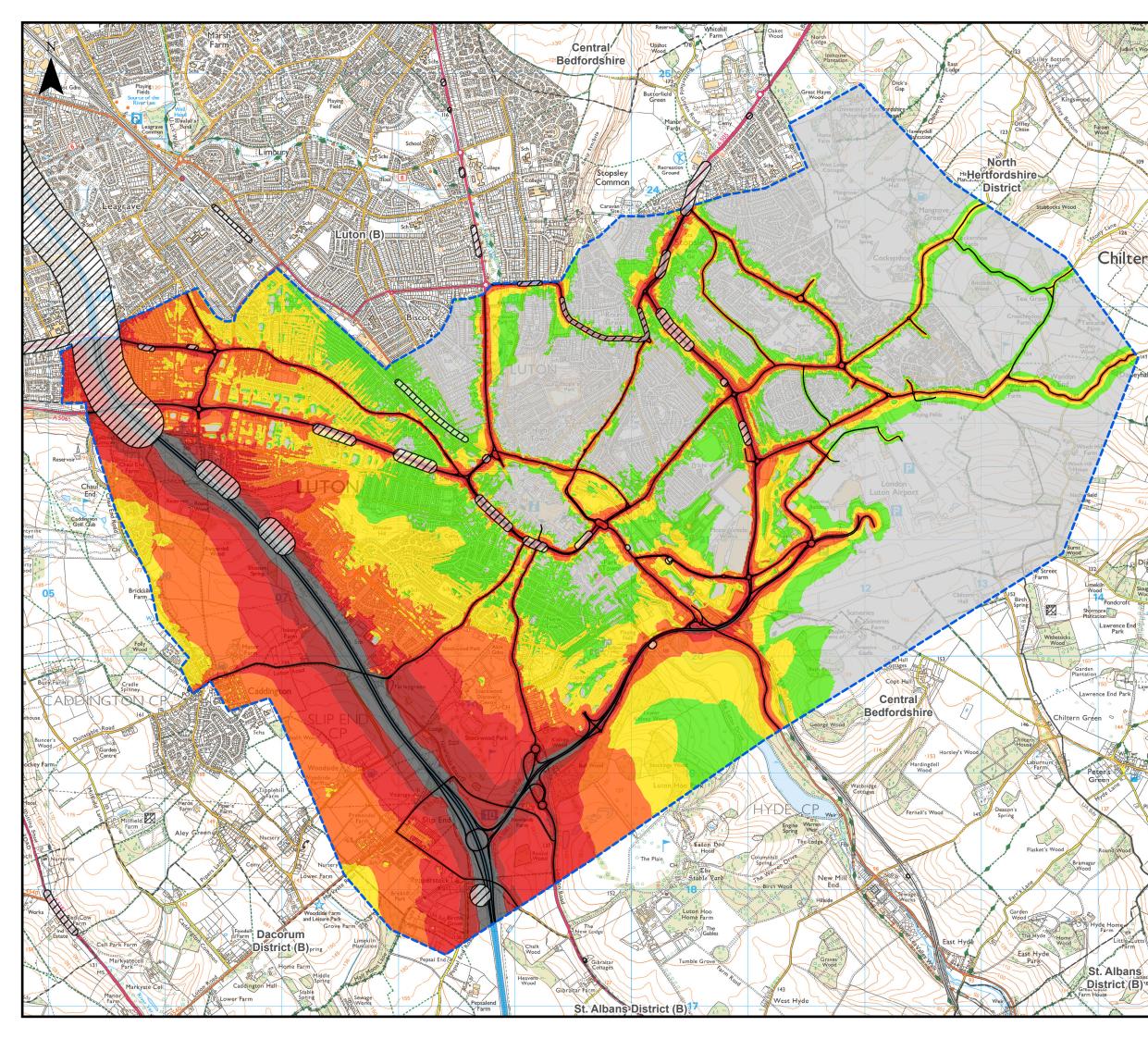


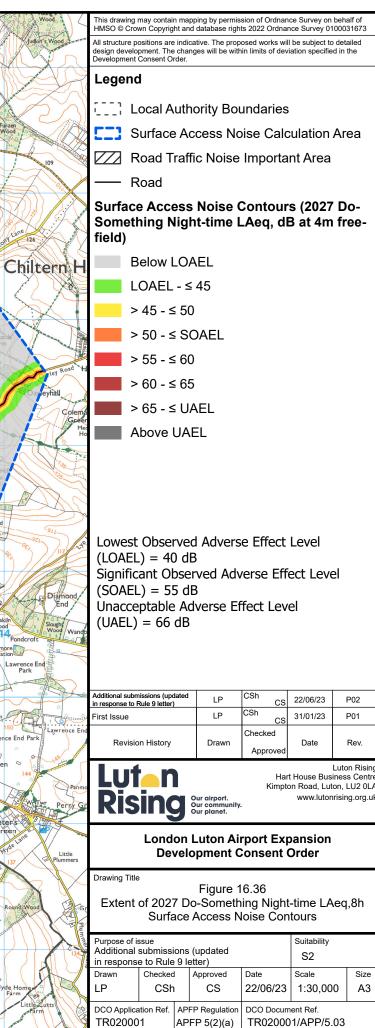


Extent of 2027 Do-Minimum Night-time LAeq,8h Surface Access Noise Contours

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