

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 16.11 - 16.16

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 16.11 – 16.16

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

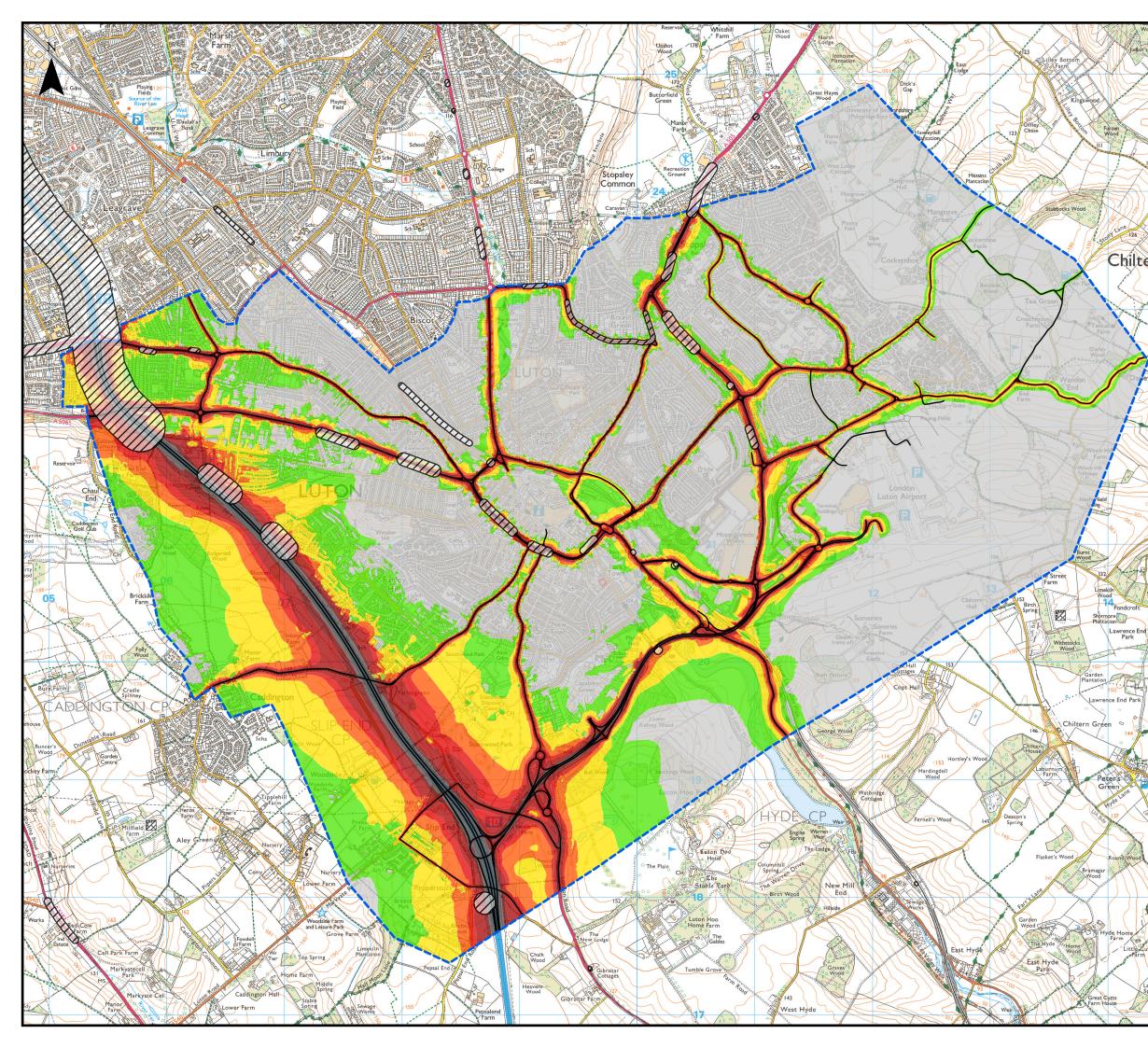
| Version | Date | Status of Version |
|-------------|---------------|---------------------------------------------------------------|
| Issue 01 | February 2023 | Application issue |
| Revision 01 | June 2023 | Additional submissions (updated in response to Rule 9 letter) |
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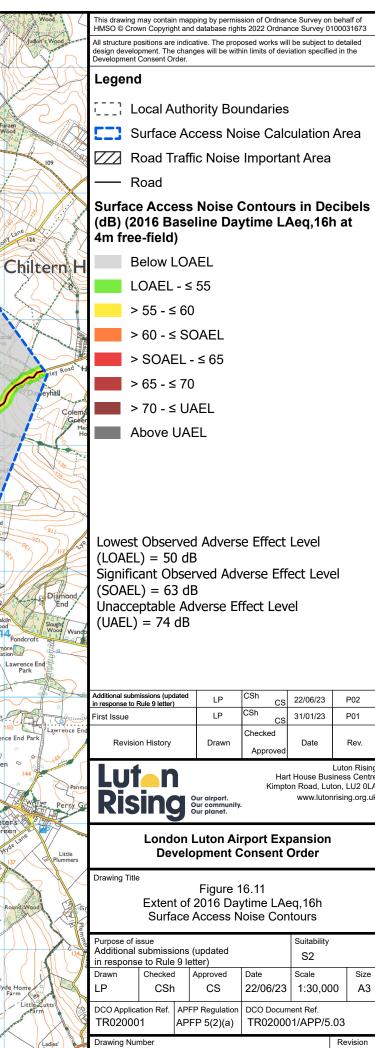


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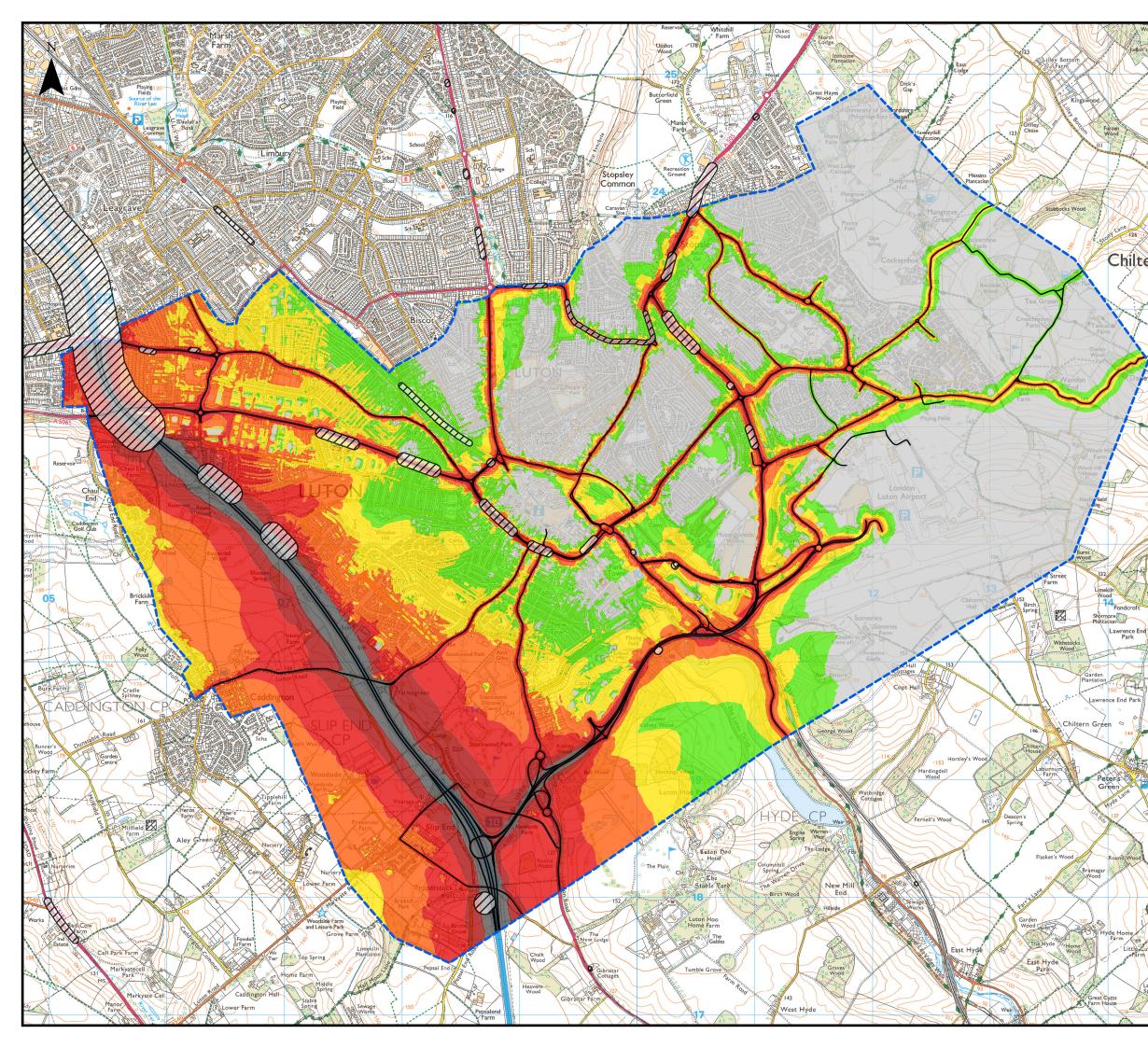
| Figure 16.11 | Extent of 2016 Daytime LAeq,16h Surface Access Noise Contours |
|--------------|-----------------------------------------------------------------|
| Figure 16.12 | Extent of 2016 Night-time LAeq,8h Surface Access Noise Contours |
| Figure 16.13 | Extent of 2027 Do-Minimum Daytime LAeq,16h Air Noise Contours |
| Figure 16.14 | Extent of 2027 Do-Minimum Night-time LAeq,8h Air Noise Contours |
| Figure 16.15 | Extent of 2027 Do-Something Daytime LAeq,16h Air Noise Contours |
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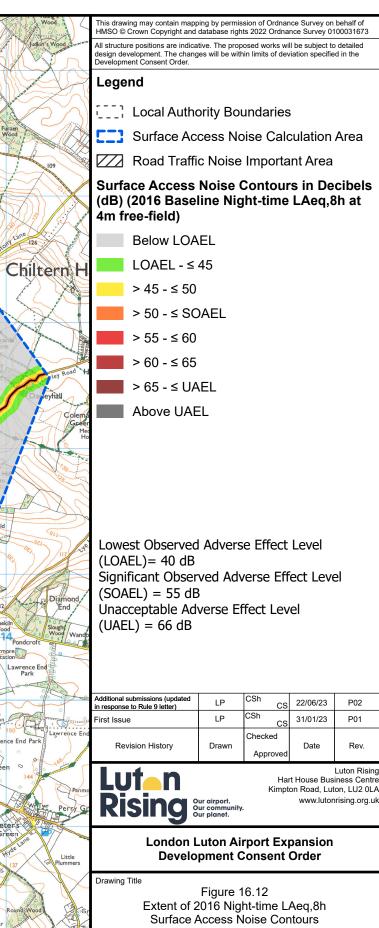
Figure 16.16 Extent of 2027 Do-Something Night-time LAeq,8h Air Noise Contours

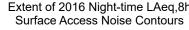




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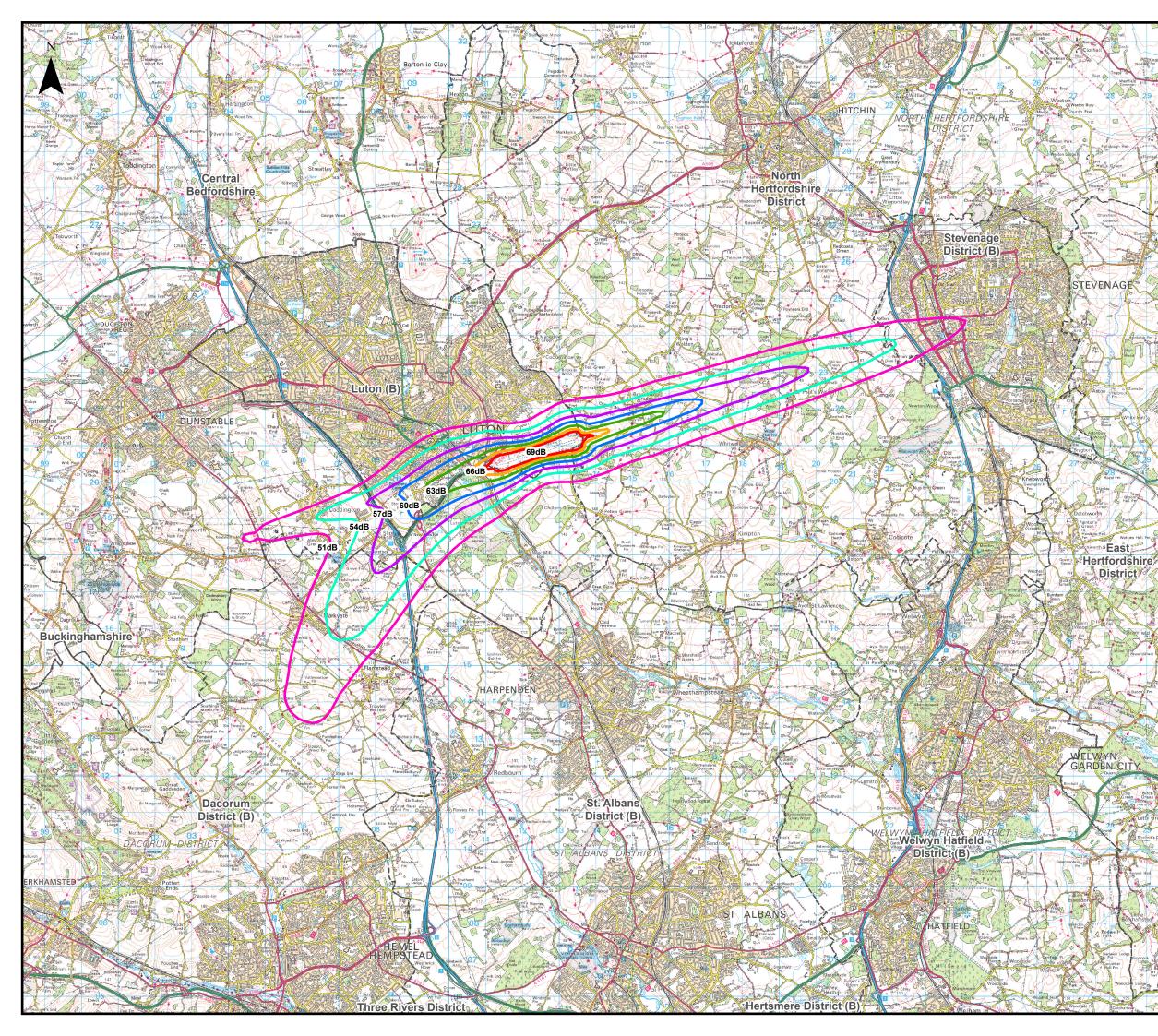


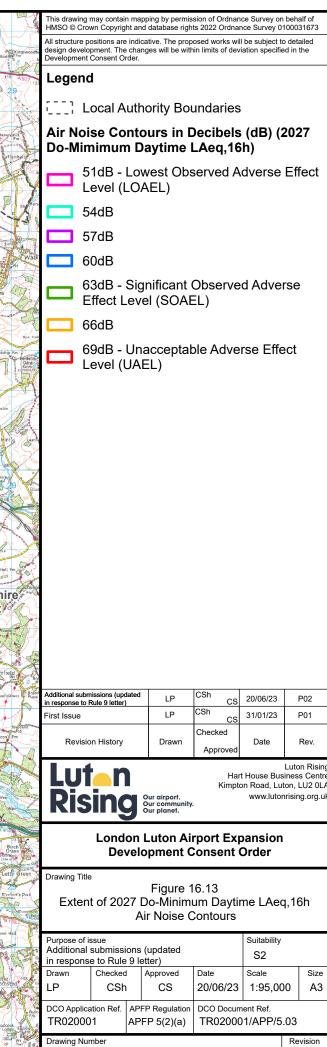




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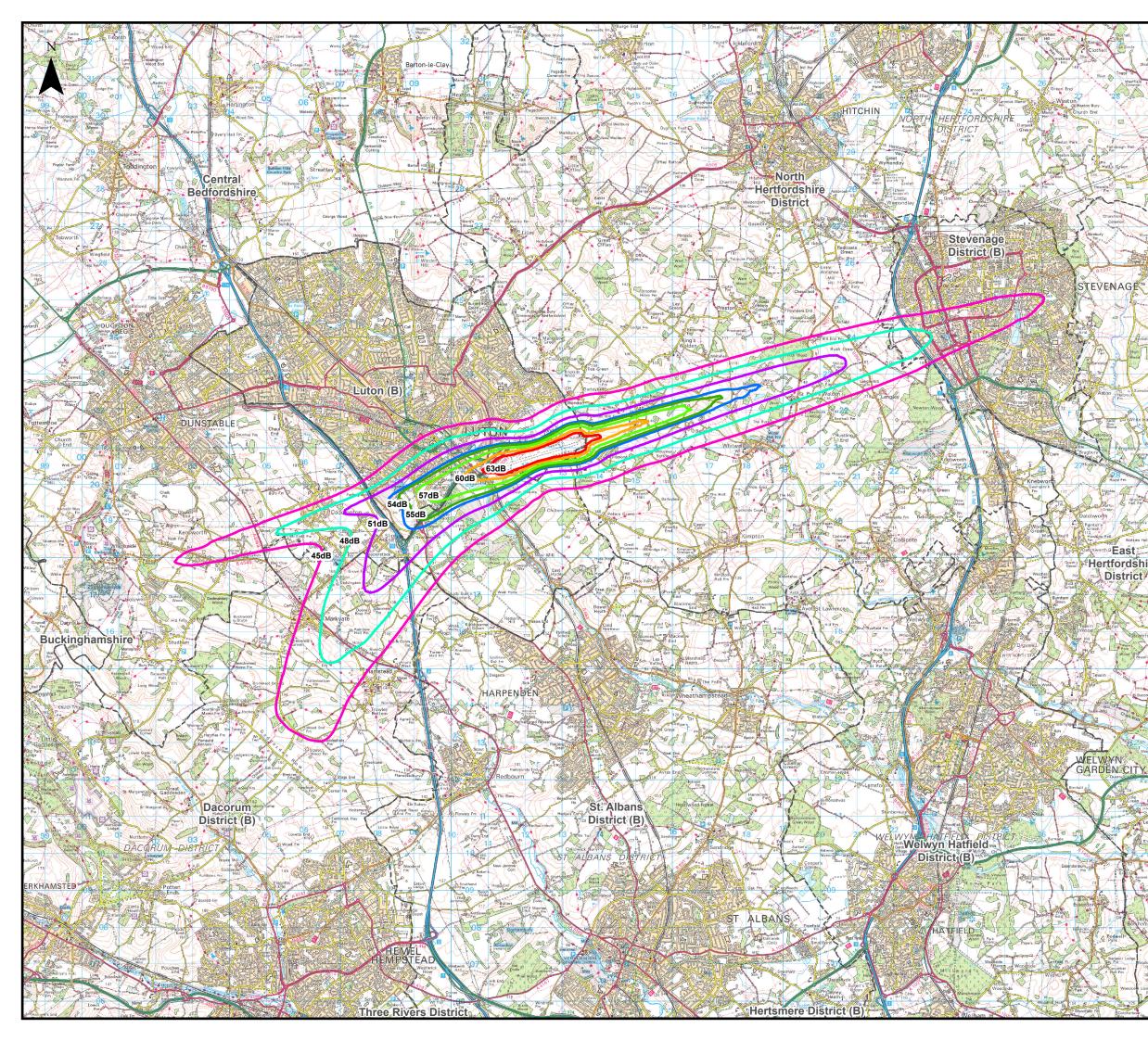
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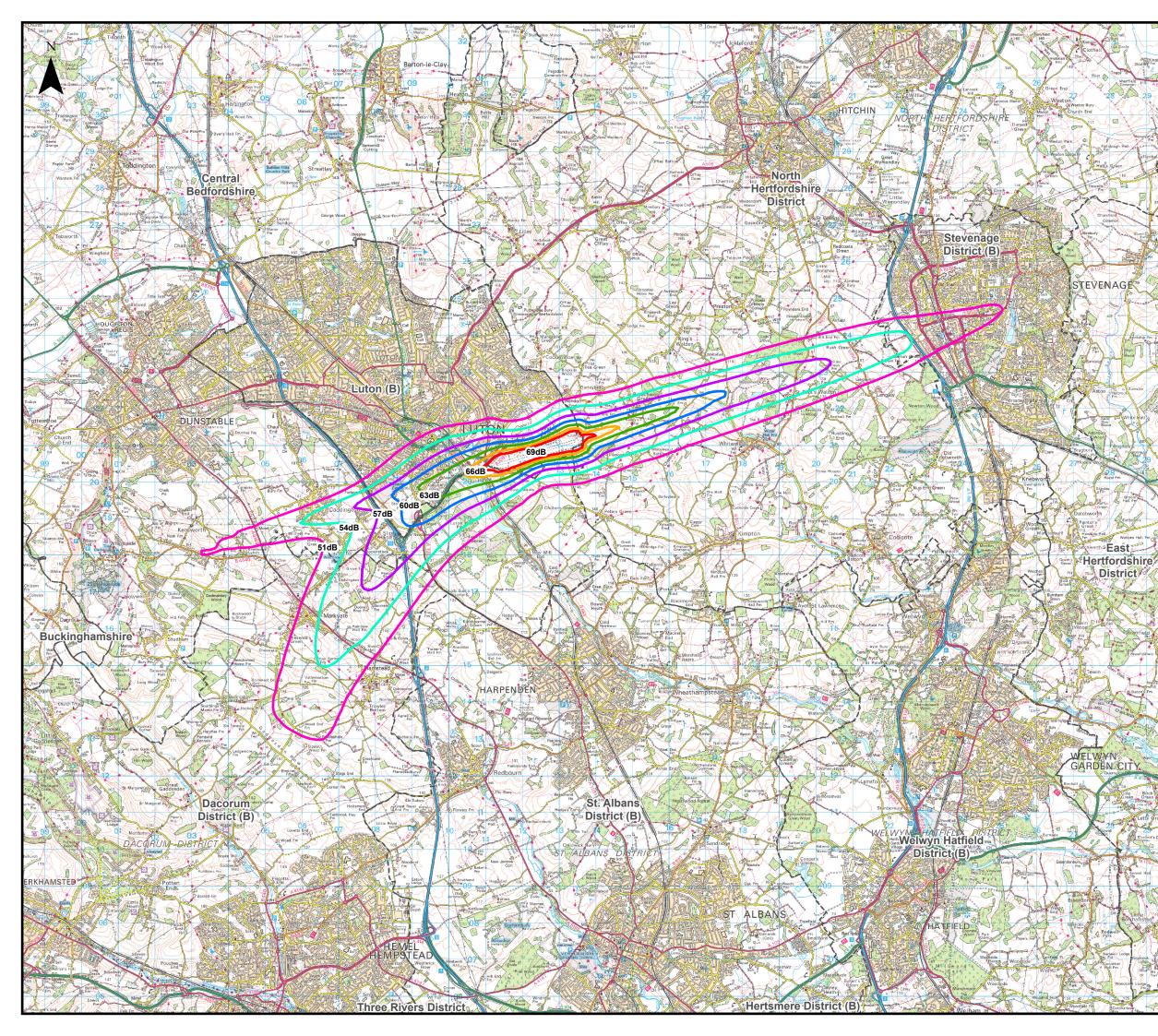
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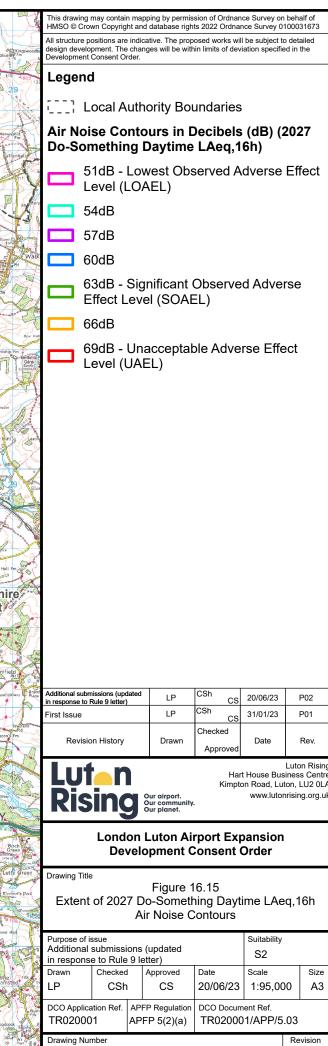
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| Kingswoodbu | All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order. | | | | | | | | | | | | |
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| uffenhall | 45dB - Lowest Observed Adverse Effect | | | | | | | | | | | | |
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| 4 | — 4 | 8dB | | | | | | | | | | | |
| | 5 | 1dB | | | | | | | | | | | |
| Walk PPH | 5 | 4dB | | | | | | | | | | | |
| | 55dB - Significant Observed Adverse Effect Level (SOAEL) | | | | | | | | | | | | |
| 10 - C | 57dB | | | | | | | | | | | | |
| Box Hall | 60dB | | | | | | | | | | | | |
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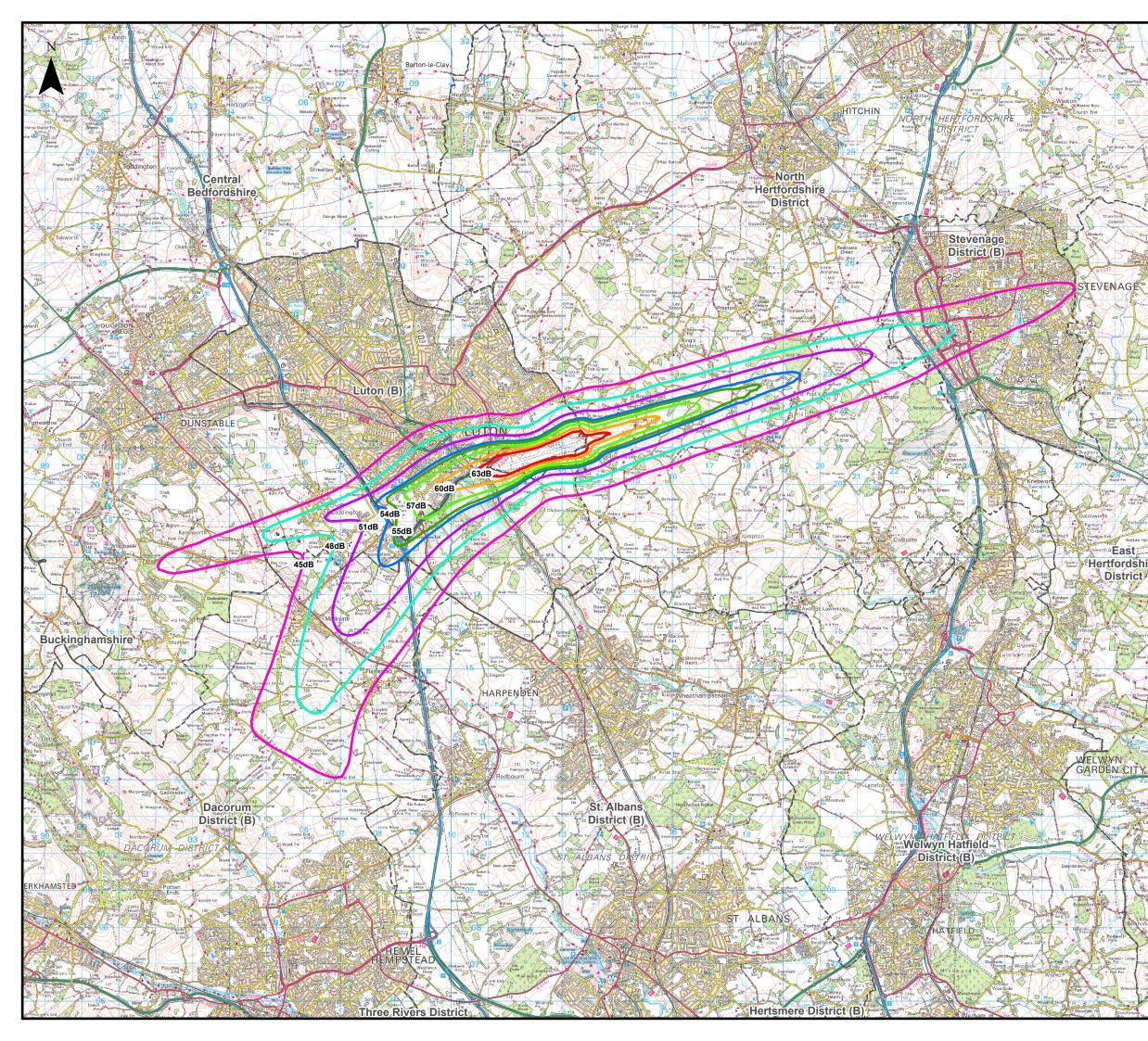
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