

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 16.63 - 16.68b

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

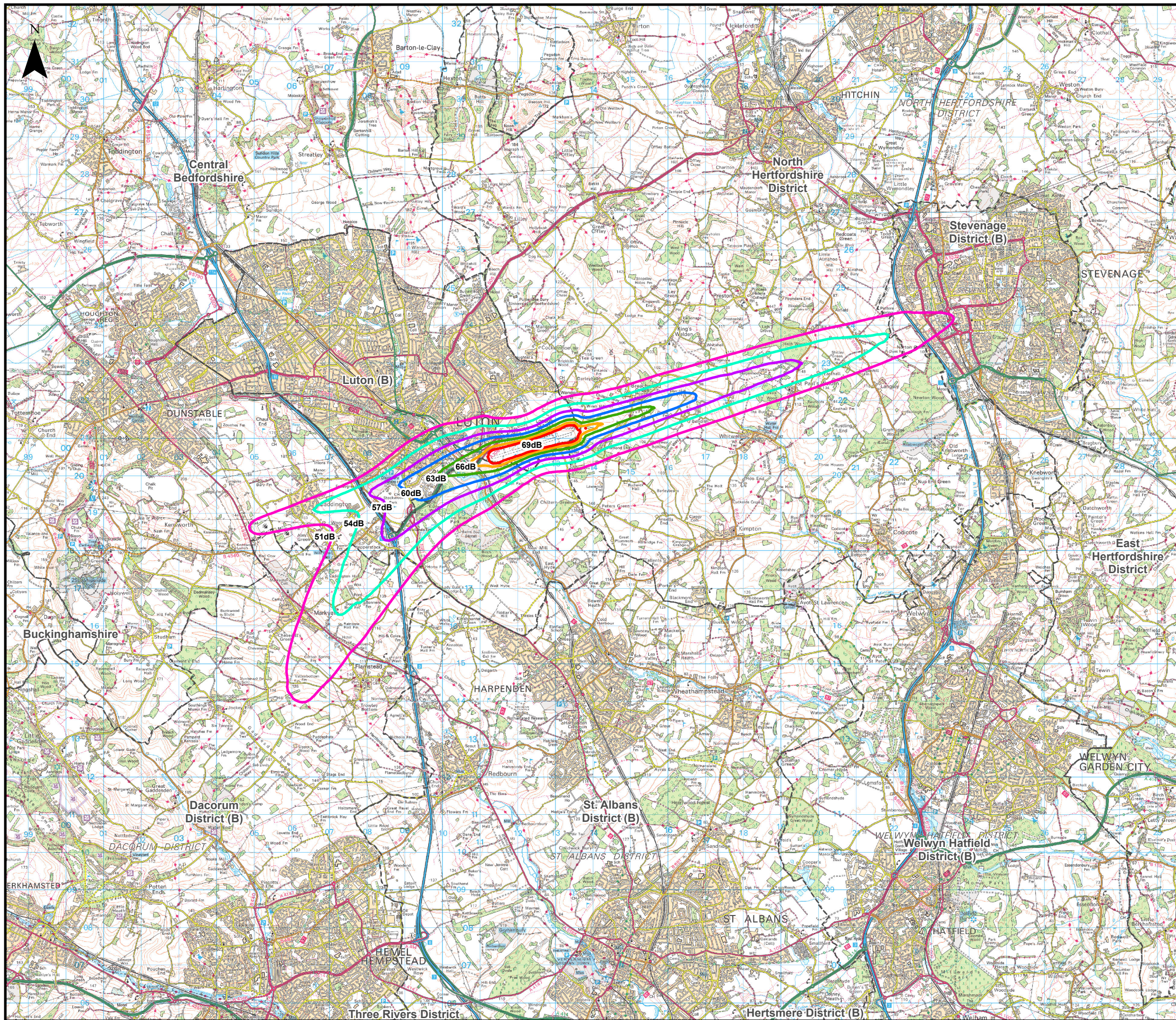
5.03 ENVIRONMENTAL STATEMENT CHAPTER 16 NOISE AND VIBRATION FIGURES 16.63 – 16.68b

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)

Contents

Figure 16.63	Extent of 2043 Do-Minimum Daytime LAeq,16h Air Noise Contours
Figure 16.64	Extent of 2043 Do-Minimum Night-time LAeq,8h Air Noise Contours
Figure 16.65	Extent of 2043 Do-Something Daytime LAeq, 16h Air Noise Contours
Figure 16.66	Extent of 2043 Do-Something Night-time LAeq,8h Air Noise Contours
Figure 16.67a	Change in 2043 Do-Something - Do-Minimum Daytime LAeq,16h Air Noise Contours
Figure 16.67b	Change in 2043 Do-Something - Do-Minimum Daytime LAeq,16h Air Noise Contours (Significant Observed Adverse Effect Level (SOAEL) Area)
Figure 16.68a	Change in 2043 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours
Figure 16.68b	Change in 2043 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours (Significant Observed Adverse Effect Level (SOAEL) Area)



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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.

Legend

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2043 Do-Minimum Daytime LAeq,16h)**
- 51dB - Lowest Observed Adverse Effect Level (LOAEL)
- 54dB
- 57dB
- 60dB
- 63dB - Significant Observed Adverse Effect Level (SOAEL)
- 66dB
- 69dB - Unacceptable Adverse Effect Level (UAEL)

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	16/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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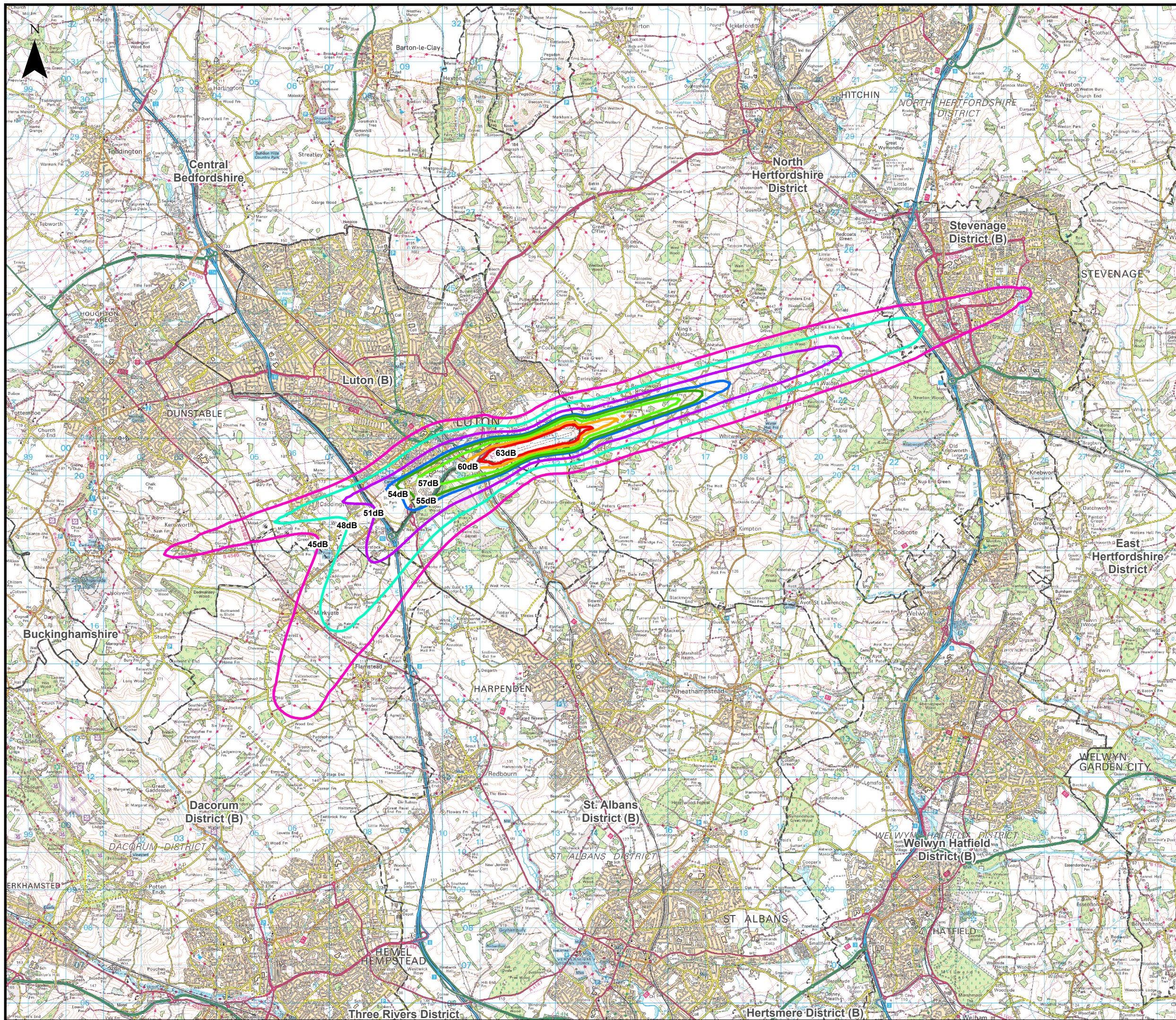
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Drawing Title Figure 16.63
Extent of 2043 Do-Minimum Daytime LAeq,16h
Air Noise Contours

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	16/06/23	1:95,000	A3

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

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0063	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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- 48dB
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- 57dB
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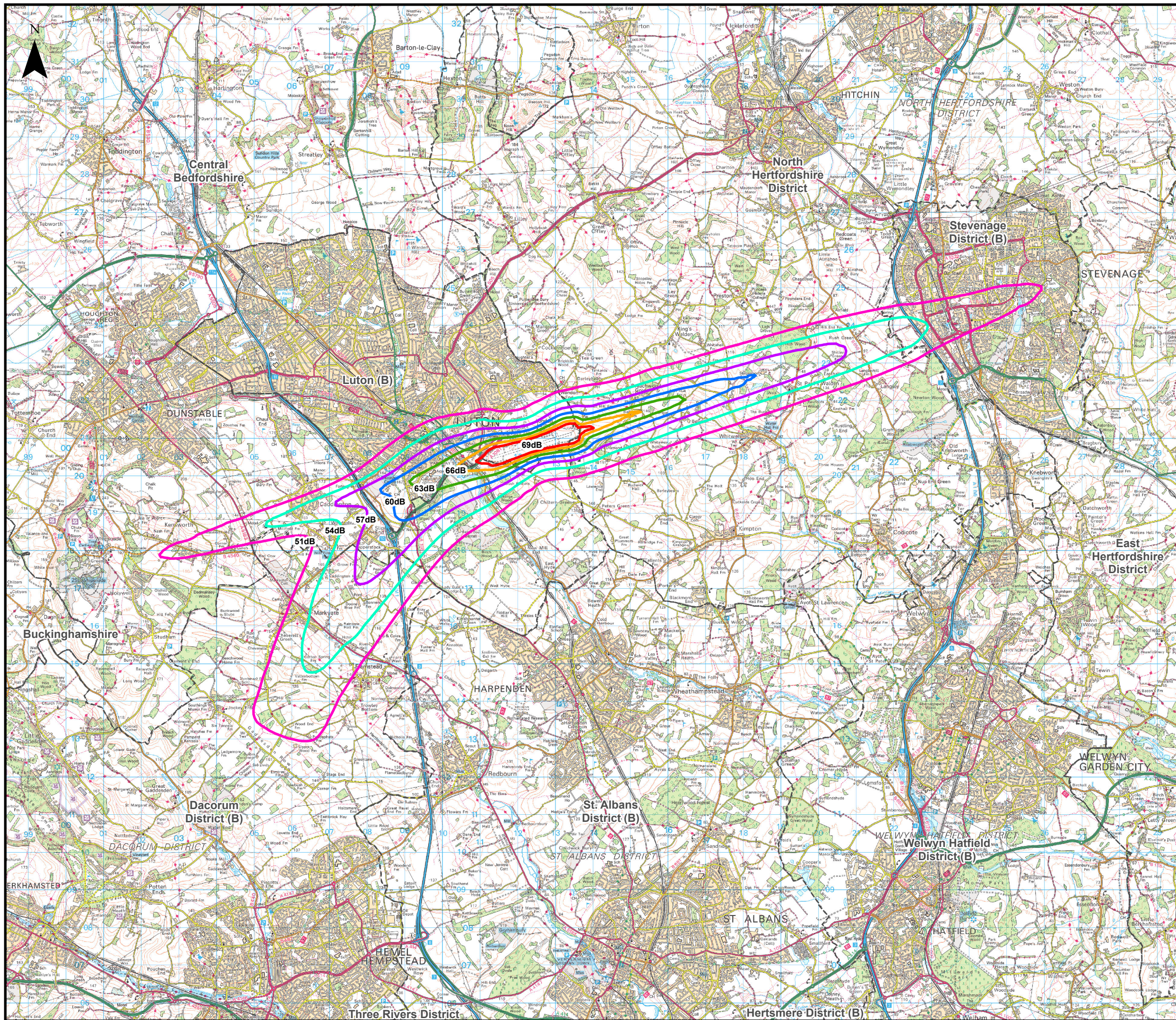
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Drawing Title: **Figure 16.64**
Extent of 2043 Do-Minimum Night-time LAeq,8h Air Noise Contours

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	16/06/23	1:95,000	A3

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

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0064	P02
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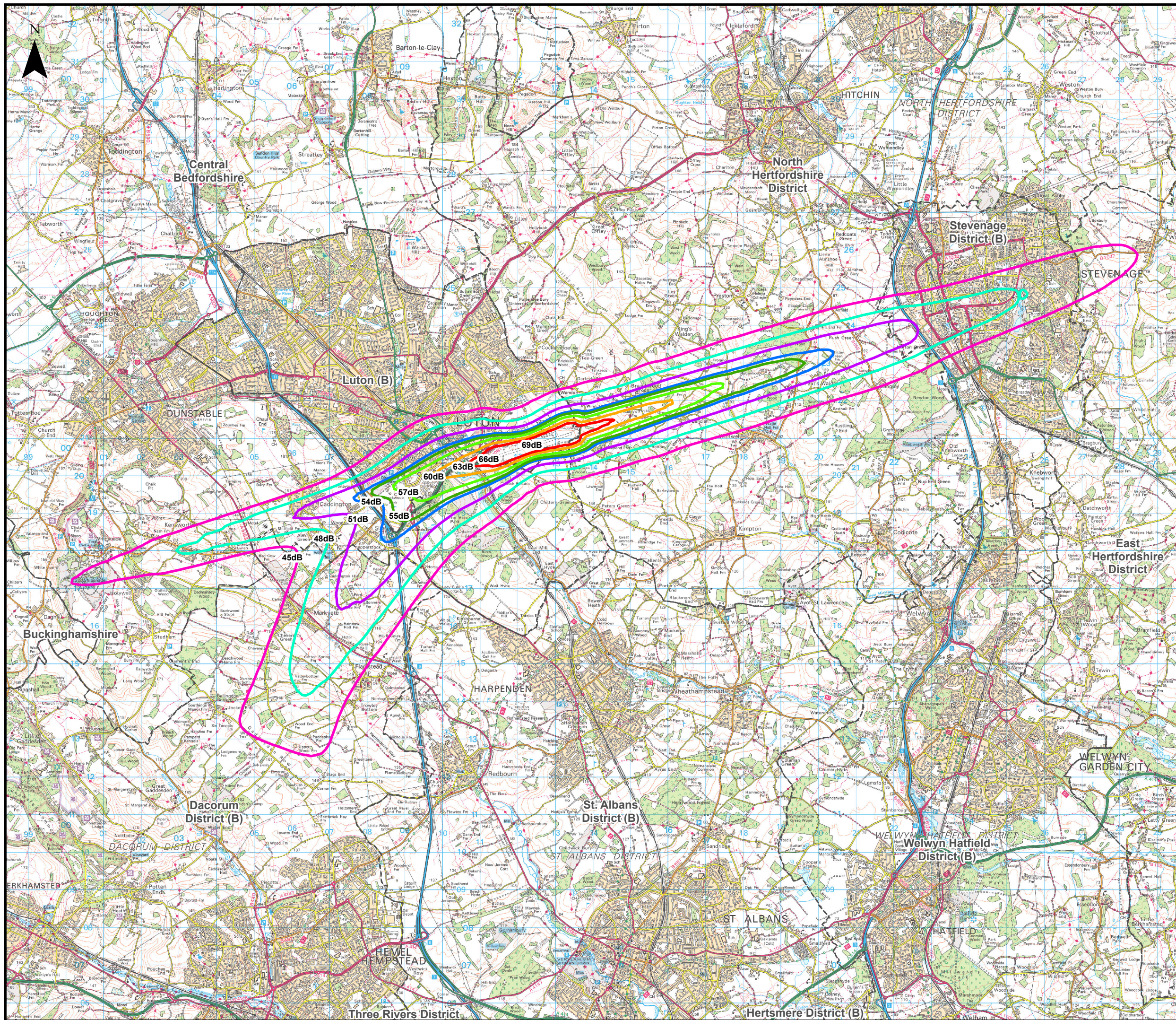
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Drawing Title: **Figure 16.65**
Extent of 2043 Do-Something Daytime LAeq, 16h Air Noise Contours

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	16/06/23	1:95,000	A3

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

Drawing Number	Revision
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- 69dB

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	16/06/23	P02
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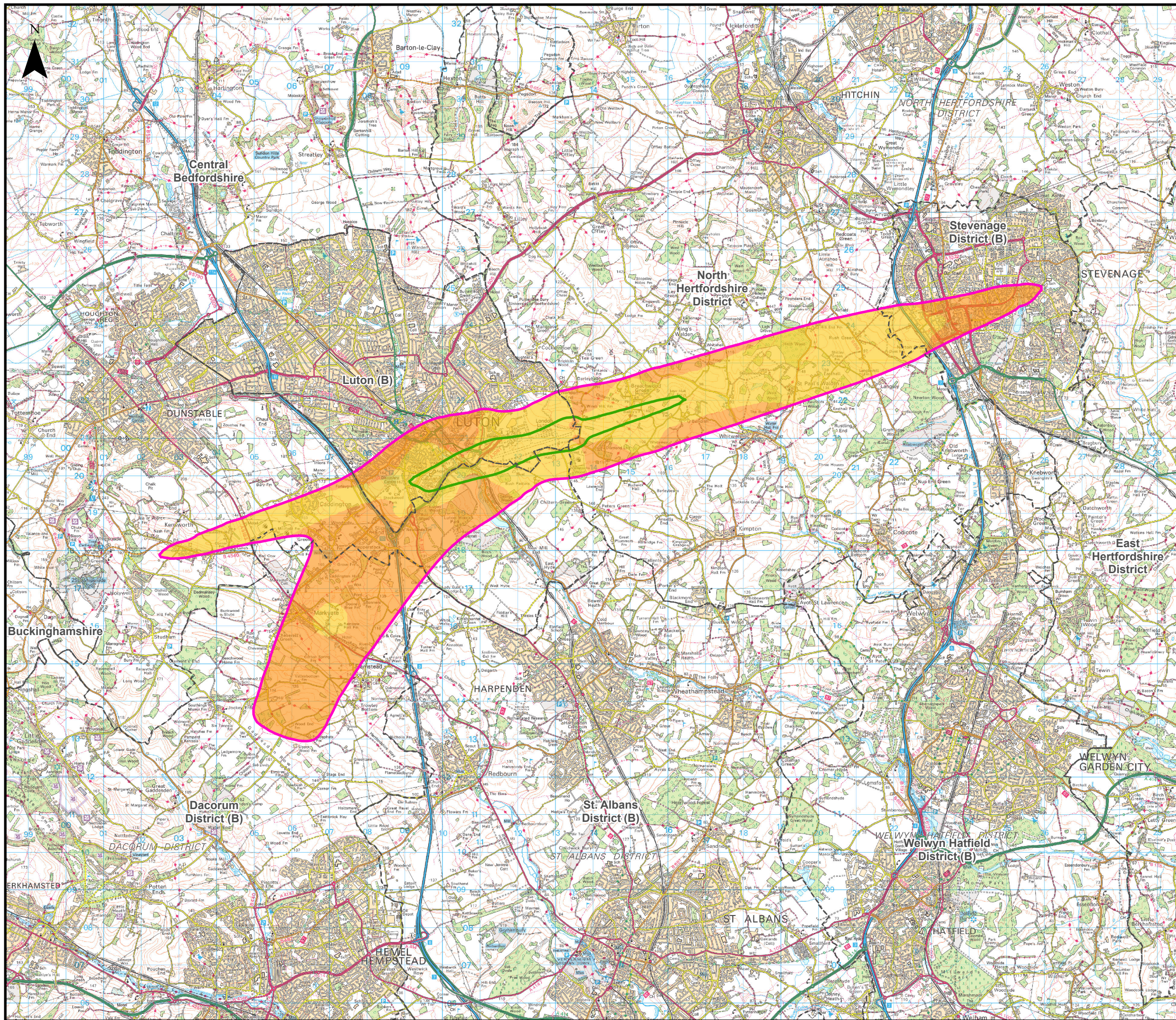
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Extent of 2043 Do-Something Night-time LAeq,8h Air Noise Contours

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
hw	CSH	CS	16/06/23	1:95,000	A3

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TR020001	APFP 5(2)(a)	TR020001/APFP/5.03

Drawing Number	Revision
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Legend

Local Authority Boundaries

Change in 2043 Do-Something - Do-Minimum Daytime LAeq, 16h Air Noise Contours in Decibels (dB)

- 0.1 to 0.9 dB
- 1.0 to 1.9 dB
- 2.0 to 2.9 dB
- 3.0 dB or more

Air Noise Contours in Decibels (dB) (2043 Do-something Daytime LAeq, 16h)

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

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	21/06/23	P02
First Issue	MAB	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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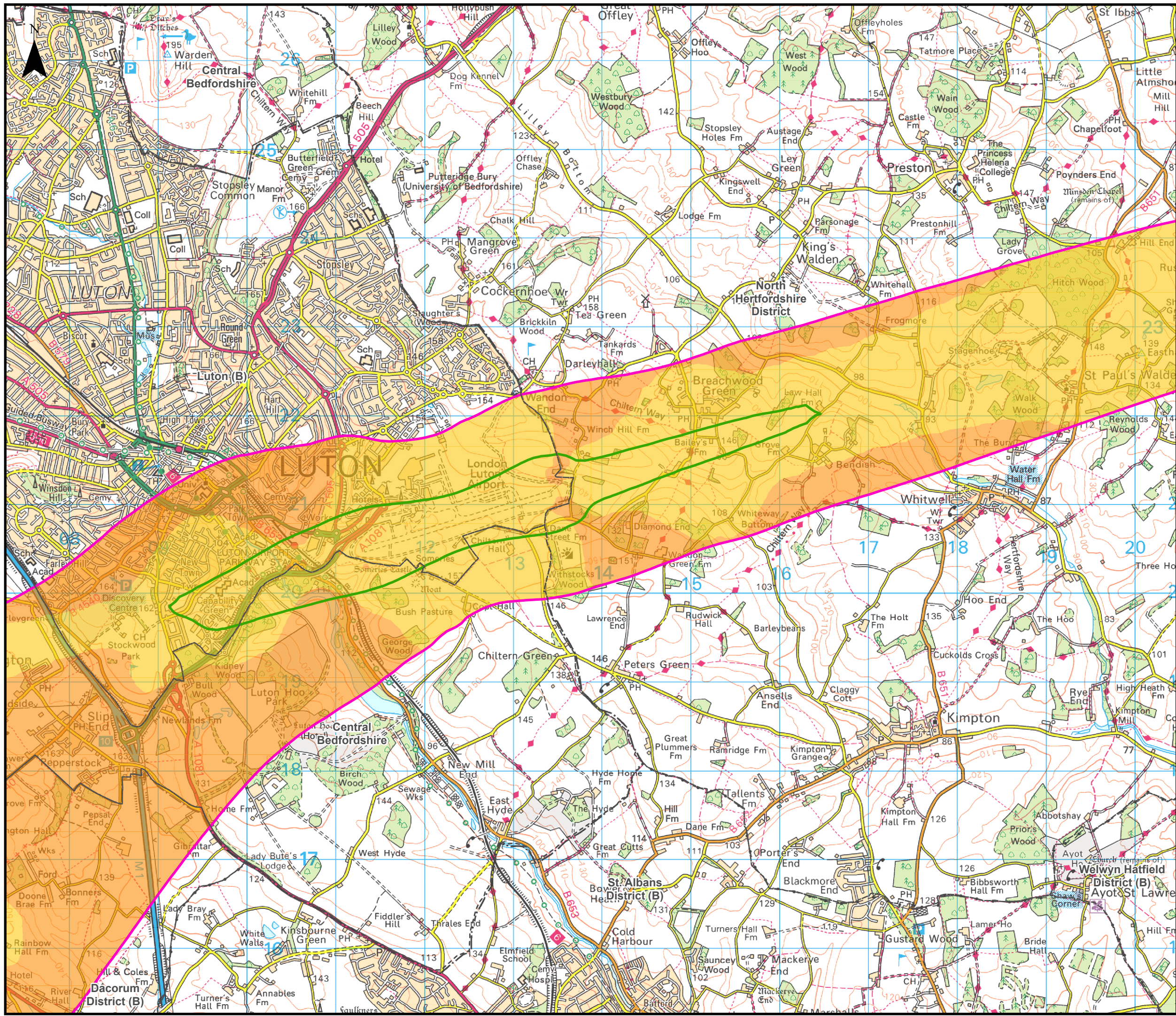
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Drawing Title
Figure 16.67a
Change in 2043 Do-Something - Do-Minimum Daytime LAeq, 16h Air Noise Contours

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	21/06/23	1:95,000	A3

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

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0067	P02
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Legend

- Local Authority Boundaries
- Change in 2043 Do-Something - Do-Minimum Daytime LAeq,16h Air Noise Contours in Decibels (dB)**
 - 0.1 to 0.9 dB
 - 1.0 to 1.9 dB
 - 2.0 to 2.9 dB
 - 3.0 dB or more
- Air Noise Contours in Decibels (dB) (2043 Do-Something Daytime LAeq,16h)**
 - 51dB - Lowest Observed Adverse Effect Level (LOAEL)
 - 63dB - Significant Observed Adverse Effect Level (SOAEL)

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	21/06/23	P02
First Issue	MAB	CSH	CS	31/01/23	P01
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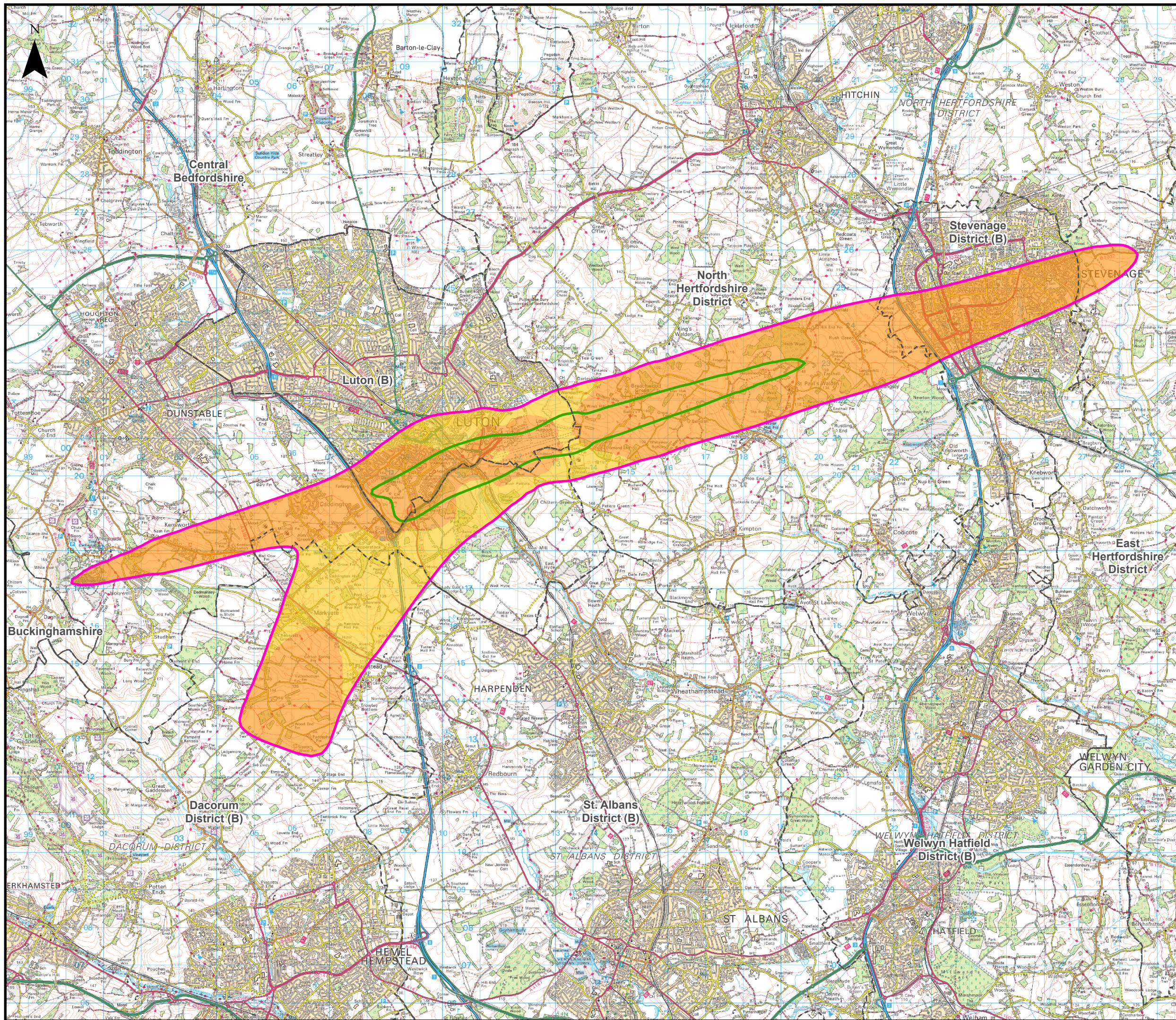
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Change in 2043 Do-Something - Do-Minimum Daytime LAeq,16h Air Noise Contours (Significant Observed Adverse Effect Level (SOAEL) Area)

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	21/06/23	1:40,000	A3

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

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Legend

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Change in 2043 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours in Decibels (dB)

- 0.1 to 0.9 dB
- 1.0 to 1.9 dB
- 2.0 to 2.9 dB
- 3.0 dB or more

Air Noise Contours in Decibels (dB) (2043 Do-something Night-time LAeq,8h)

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

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	21/06/23	P02
First Issue	MAB	CSH	CS	31/01/23	P01
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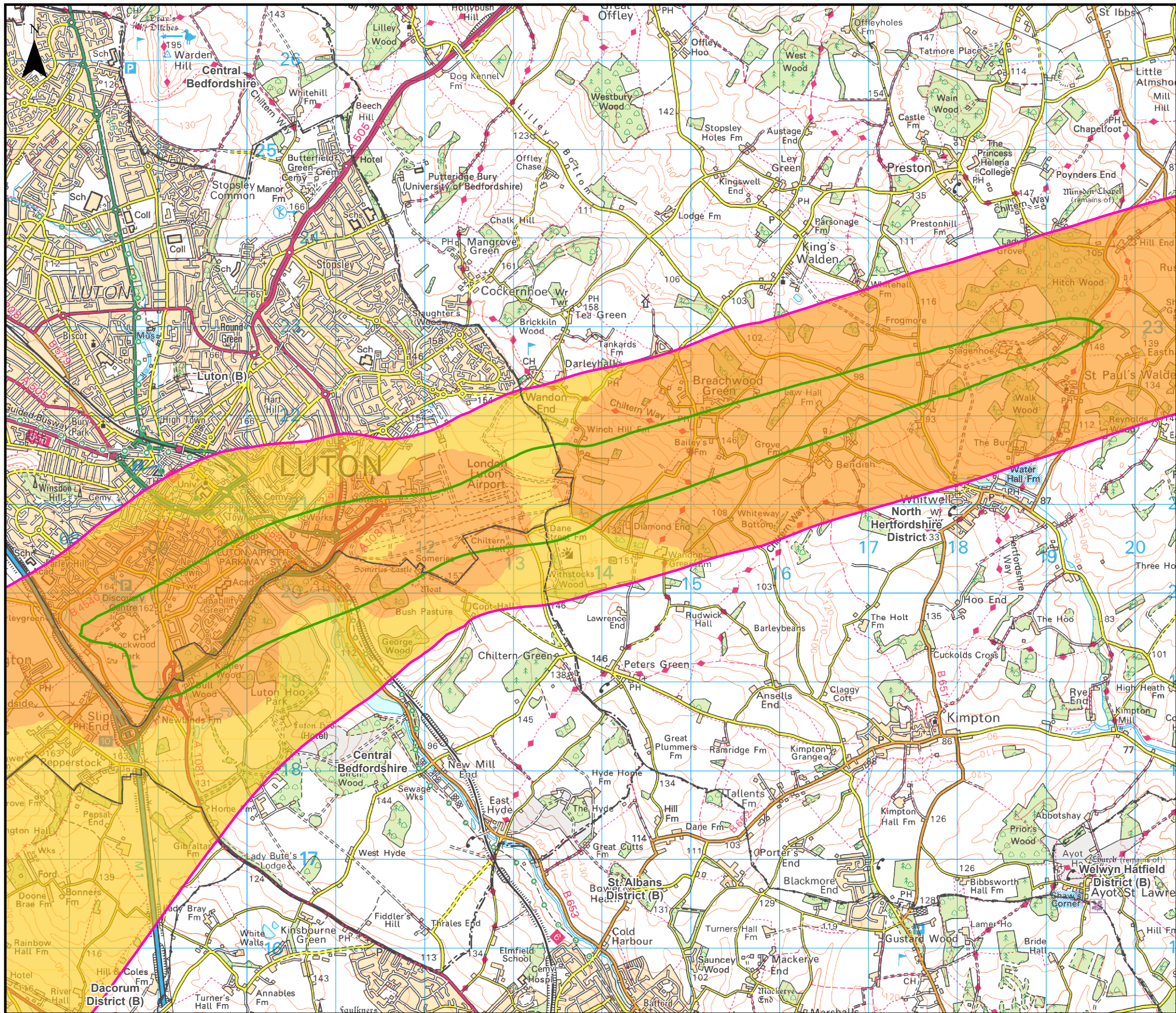
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Drawing Title **Figure 16.68a**
Change in 2043 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)					Suitability
Drawn	Checked	Approved	Date	Scale	Size	S2
HW	CSH	CS	21/06/23	1:95,000	A3	

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

Drawing Number	Revision
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Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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Change in 2023 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours in Decibels (dB)

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- 1.0 to 1.9 dB
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- 3.0 dB or more

Air Noise Contours in Decibels (dB) (2023 Do-something Night-time LAeq,8h)

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

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First Issue	MAB	CSH	CS	31/01/23	P01
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Drawing Title: Figure 16.68b
 Change in 2023 Do-Something - Do-Minimum Night-time LAeq,8h Air Noise Contours (Significant Observed Adverse Effect Level (SOAEL) Area)

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	21/06/23	1:40,000	A3

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

Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0102	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	