

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 16.89 - 16.94**

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**

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**5.03 ENVIRONMENTAL STATEMENT CHAPTER 16 NOISE AND VIBRATION FIGURES 16.89 – 16.94**

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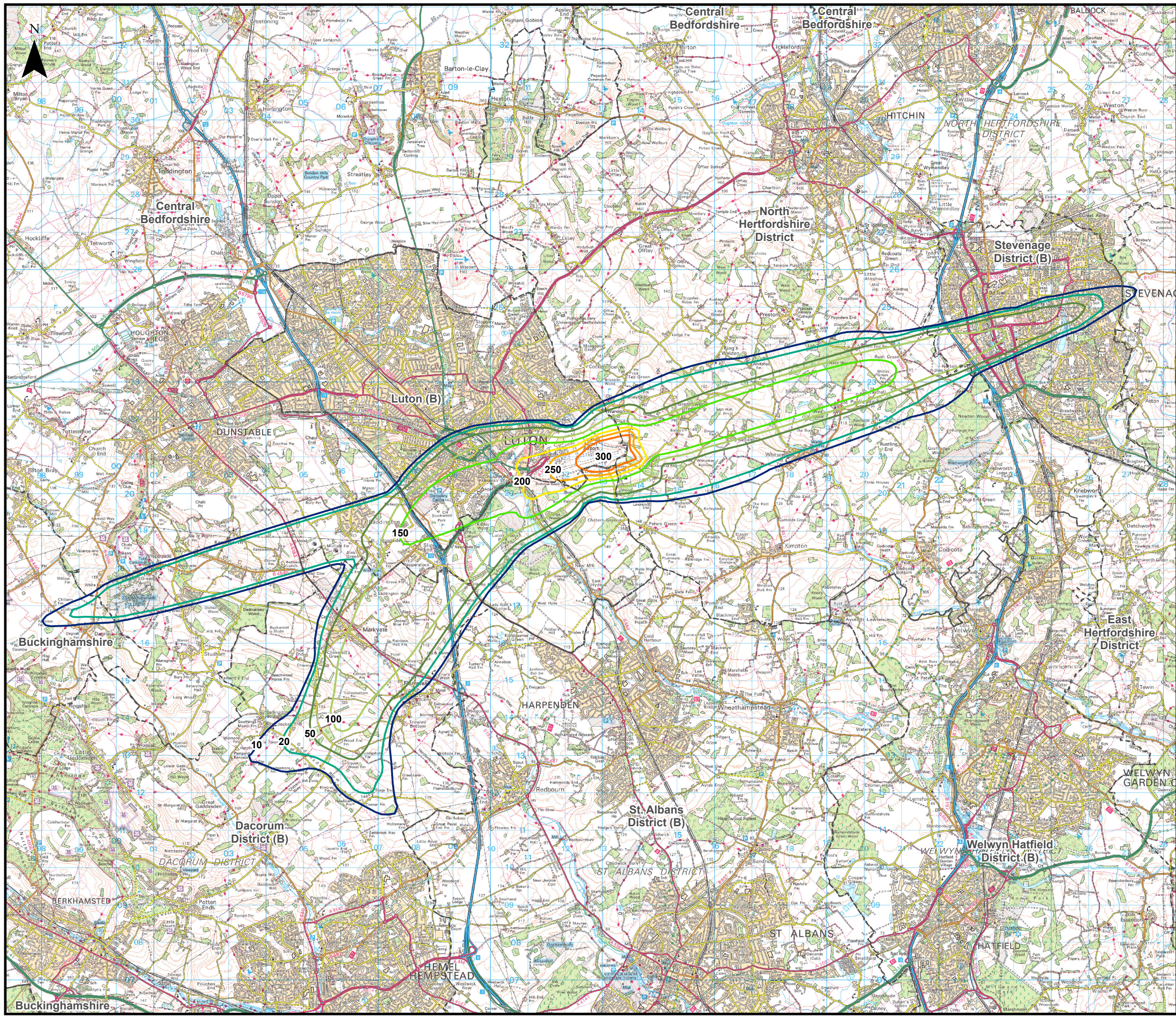
<b>Regulation number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR020001
<b>Document Reference:</b>	TR020001/APP/5.03
<b>Author:</b>	Luton Rising

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

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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 (2019 Consented Daytime number of aircraft above 65 Decibels (dB) LASmax (N65))**

- 10
- 20
- 50
- 100
- 150
- 200
- 250
- 300

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	15/06/23	P02
First Issue	MAB	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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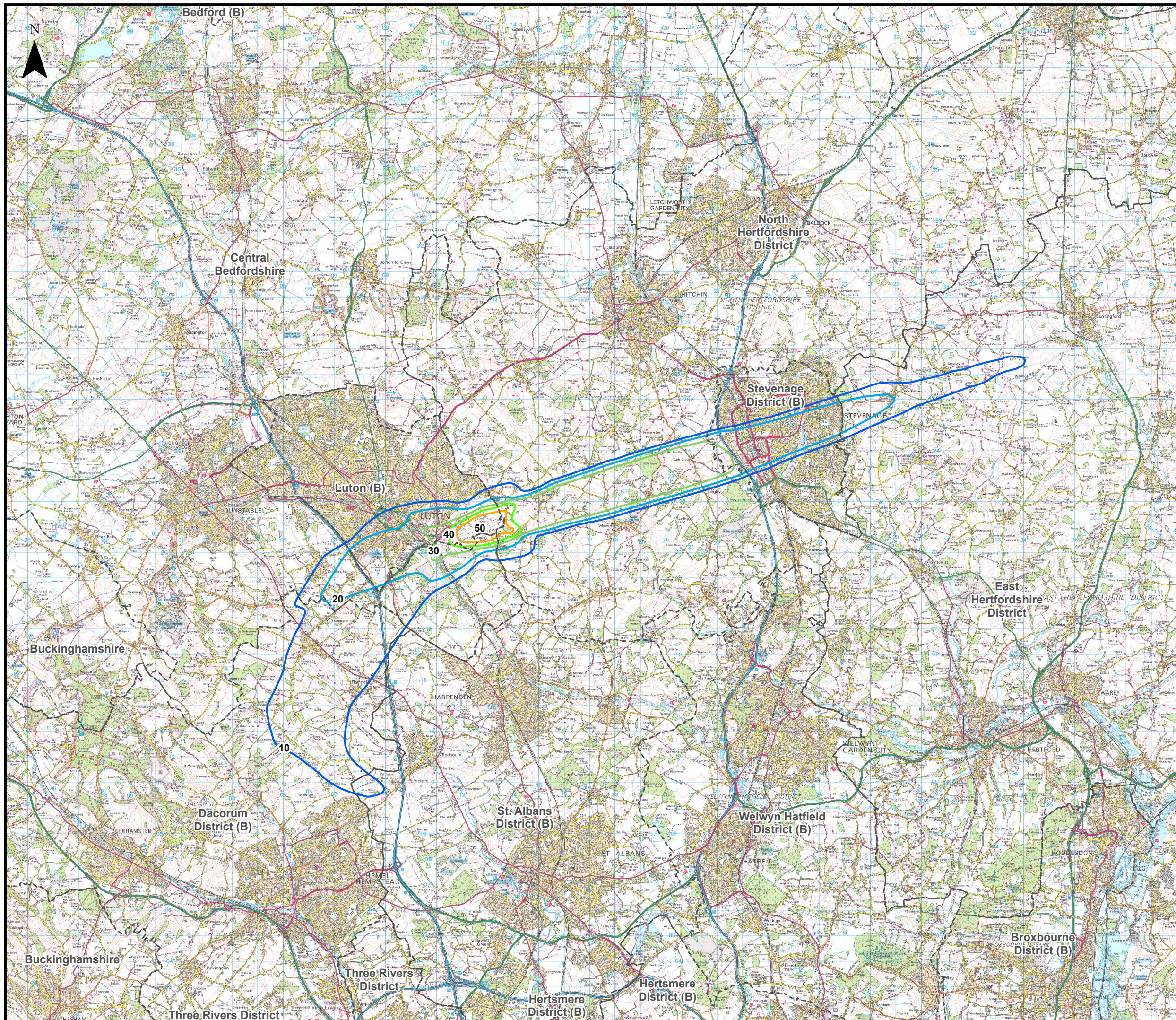
**London Luton Airport Expansion Development Consent Order**

Drawing Title: Figure 16.89  
 Extent of 2019 Consented Daytime number of aircraft above 65 Decibels (dB) LASmax (N65)  
 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	15/06/23	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-0089	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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**Legend**

--- Local Authority Boundaries

**Air Noise Contours (2019 Consented Night-time number of aircraft above 60 Decibels (dB) LASmax (N60))**

- 10
- 20
- 30
- 40
- 50

Additional submissions (updated in response to Rule 9 letter)	HW	CSh	CS	15/06/23	P02
First Issue	MAB	CSh	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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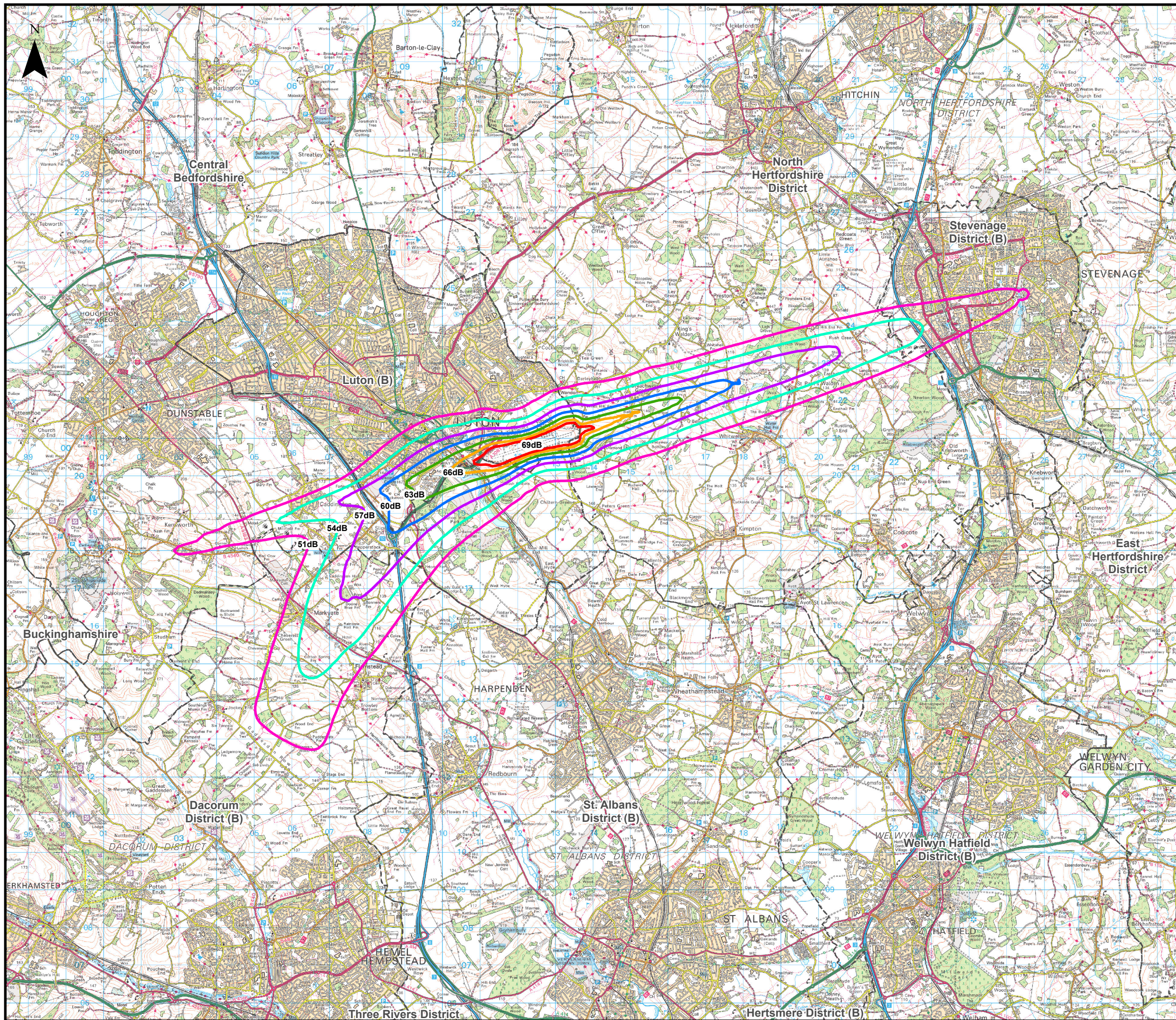
**London Luton Airport Expansion Development Consent Order**

Drawing Title: Figure 16.90  
 Extent of 2019 Consented Night-time number of aircraft above 60 Decibels (dB) LASmax (N60)  
 Air Noise Contours

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)			Suitability
Drawn	Checked	Approved	Date	Scale
HW	CSh	CS	15/06/23	1:140,000
Size	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-0090	P02
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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2027 Do-Something Daytime Faster Growth 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	15/06/23	P02
	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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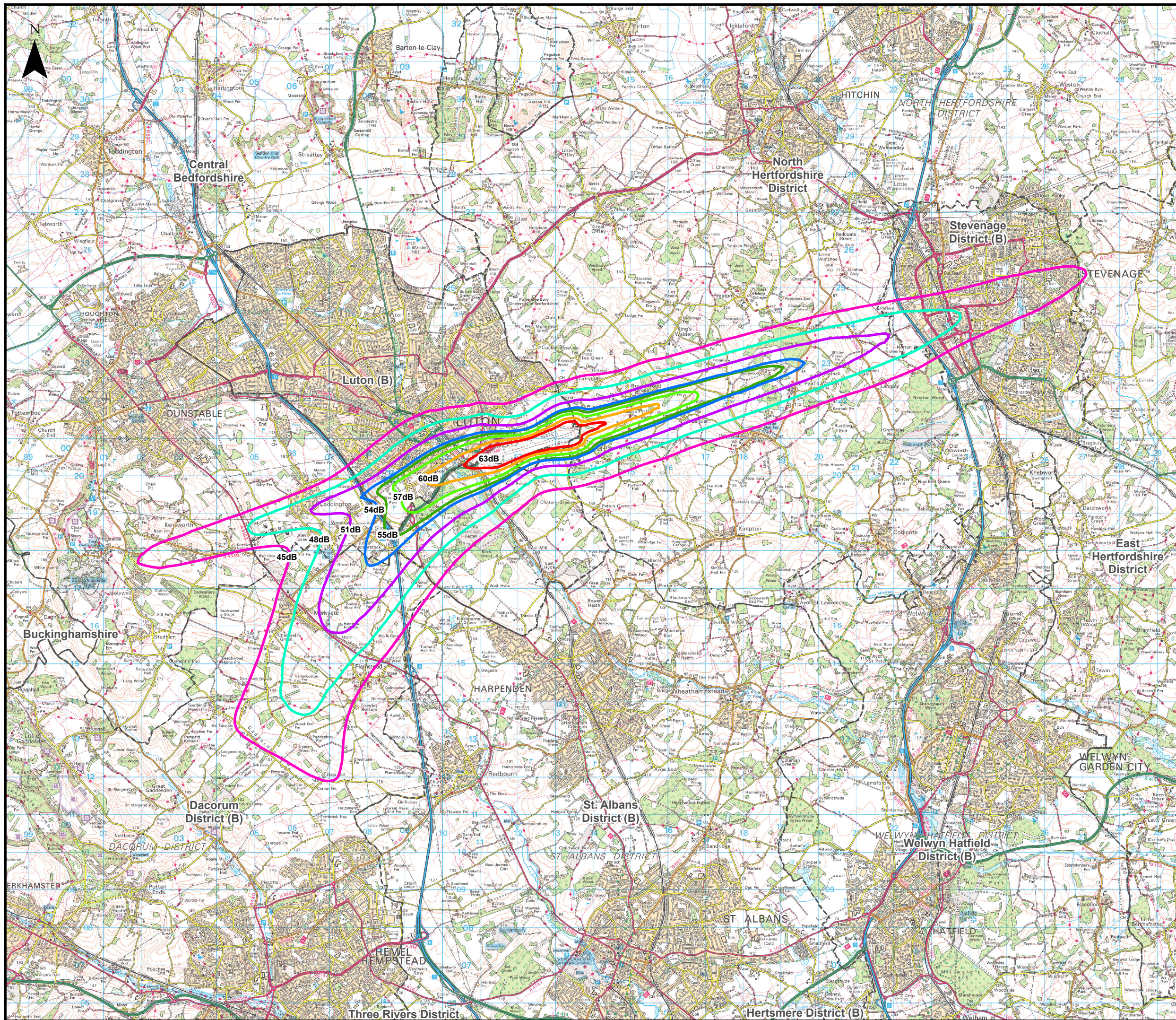
**London Luton Airport Expansion Development Consent Order**

Drawing Title: **Figure 16.91  
Extent of 2027 Do-Something Daytime LAeq,16h  
Faster Growth 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	15/06/23	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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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2027 Do-Something Night-time, Faster Growth LAeq,8h)**
- 45dB - Lowest Observed Adverse Effect Level (LOAEL)
- 48dB
- 51dB
- 54dB
- 55dB - Significant Observed Adverse Effect Level (SOAEL)
- 57dB
- 60dB
- 63dB - Unacceptable Adverse Effect Level (UAEL)

Additional submissions (updated in response to Rule 9 letter)	HW	CSH	CS	15/06/23	P02
	LP	CSH	CS	31/01/23	P01
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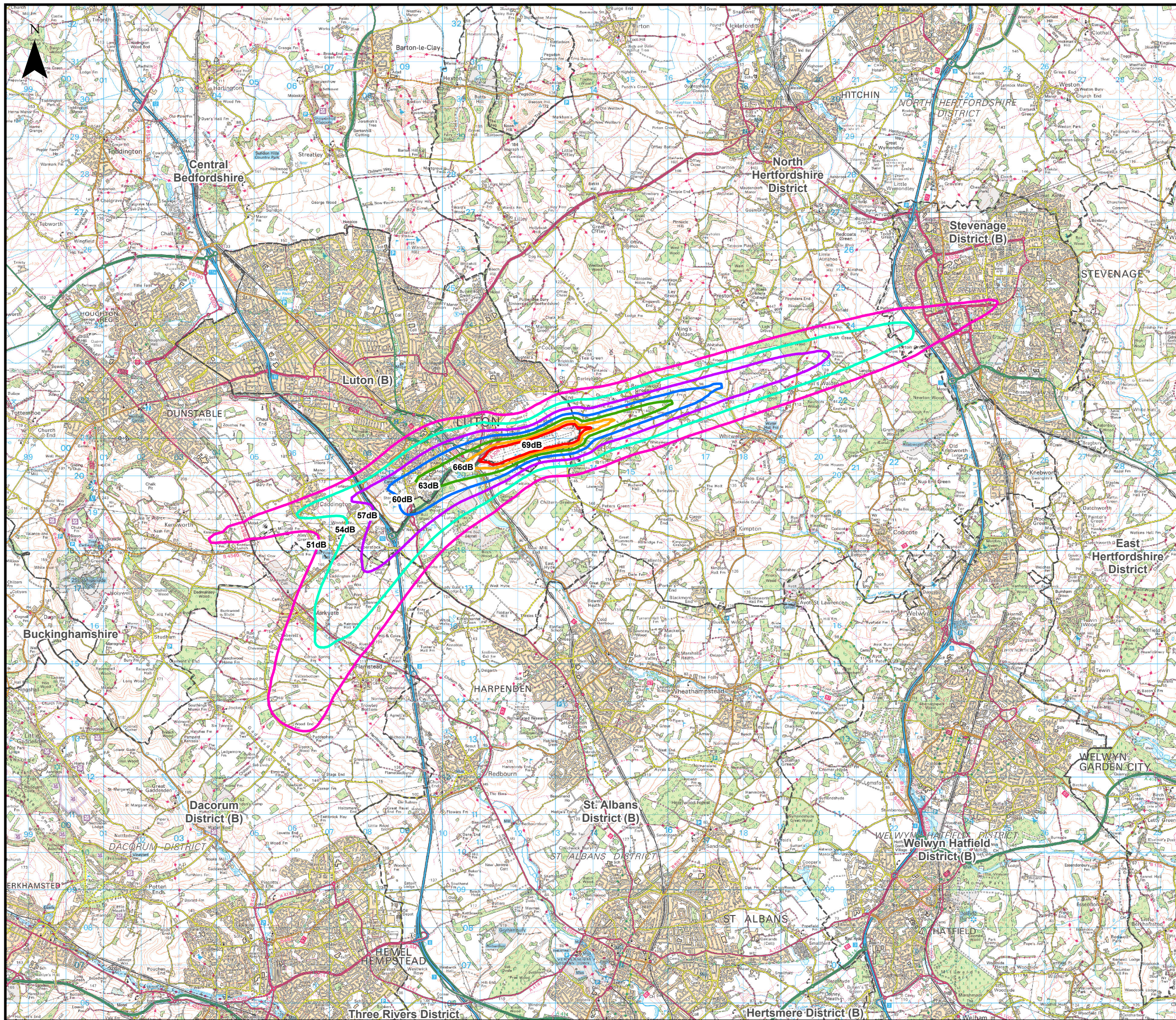
**London Luton Airport Expansion Development Consent Order**

Drawing Title: **Figure 16.92**  
**Extent of 2027 Do-Something Night-time LAeq,8h Faster Growth 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	15/06/23	1:95,000	A3

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

Drawing Number	Revision
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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2030 Do-Something Daytime Slower Growth 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)

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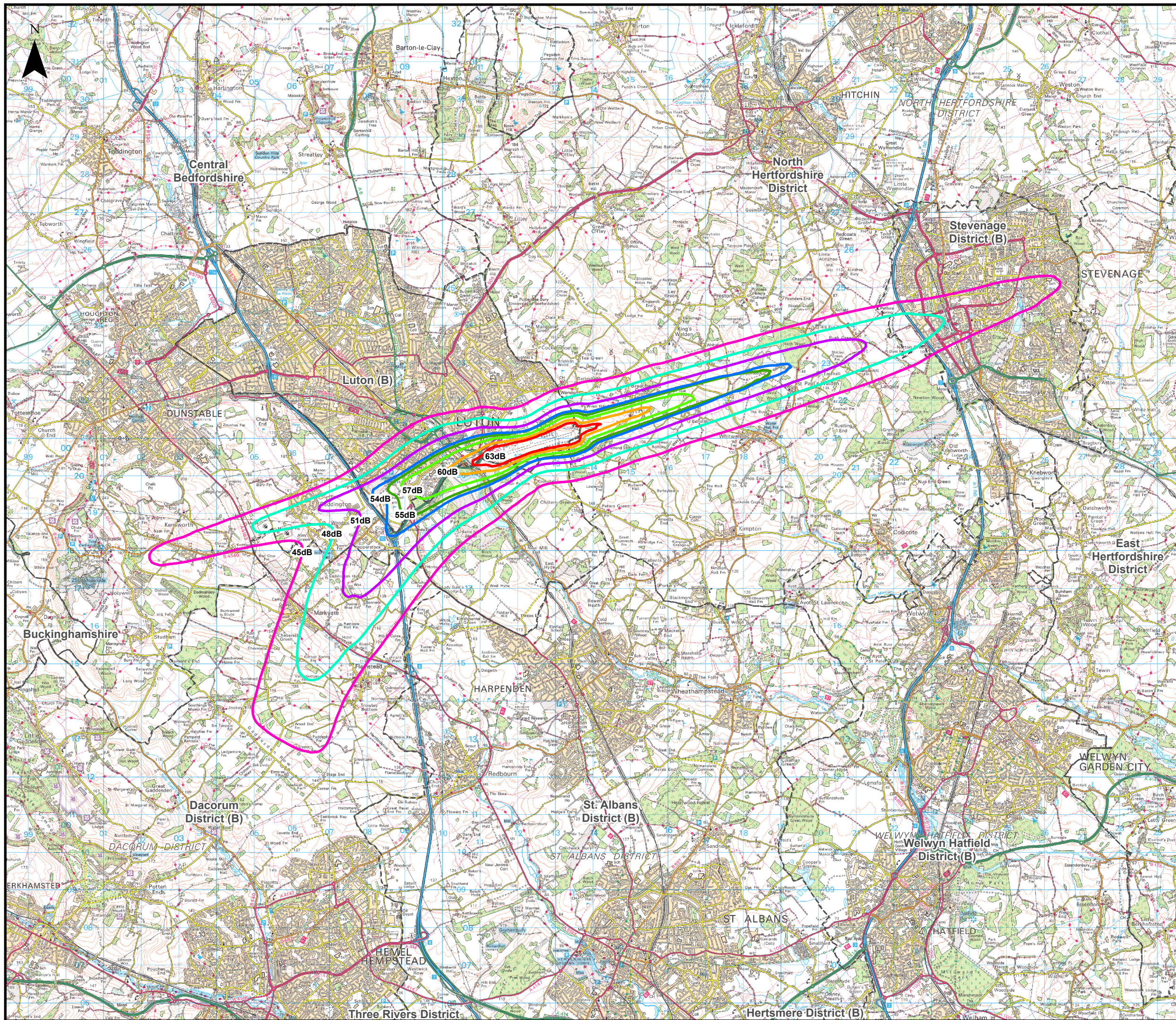
Drawing Title: **Figure 16.93**  
**Extent of 2030 Do-Something Daytime LAeq,16h Slower Growth Noise Contours**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
HW	CSH	CS	15/06/23	1:95,000	A3

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

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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2030 Do-Something Night-time Slower Growth LAeq,8h)**
- 45dB - Lowest Observed Adverse Effect Level (LOAEL)
- 48dB
- 51dB
- 54dB
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Drawing Title **Figure 16.94**  
**Extent of 2030 Do-Something Night-time LAeq,8h Slower Growth Noise Contours**

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Drawn	Checked	Approved	Date	Scale	Size
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