

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 16.37 - 16.42**

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 16.37 – 16.42

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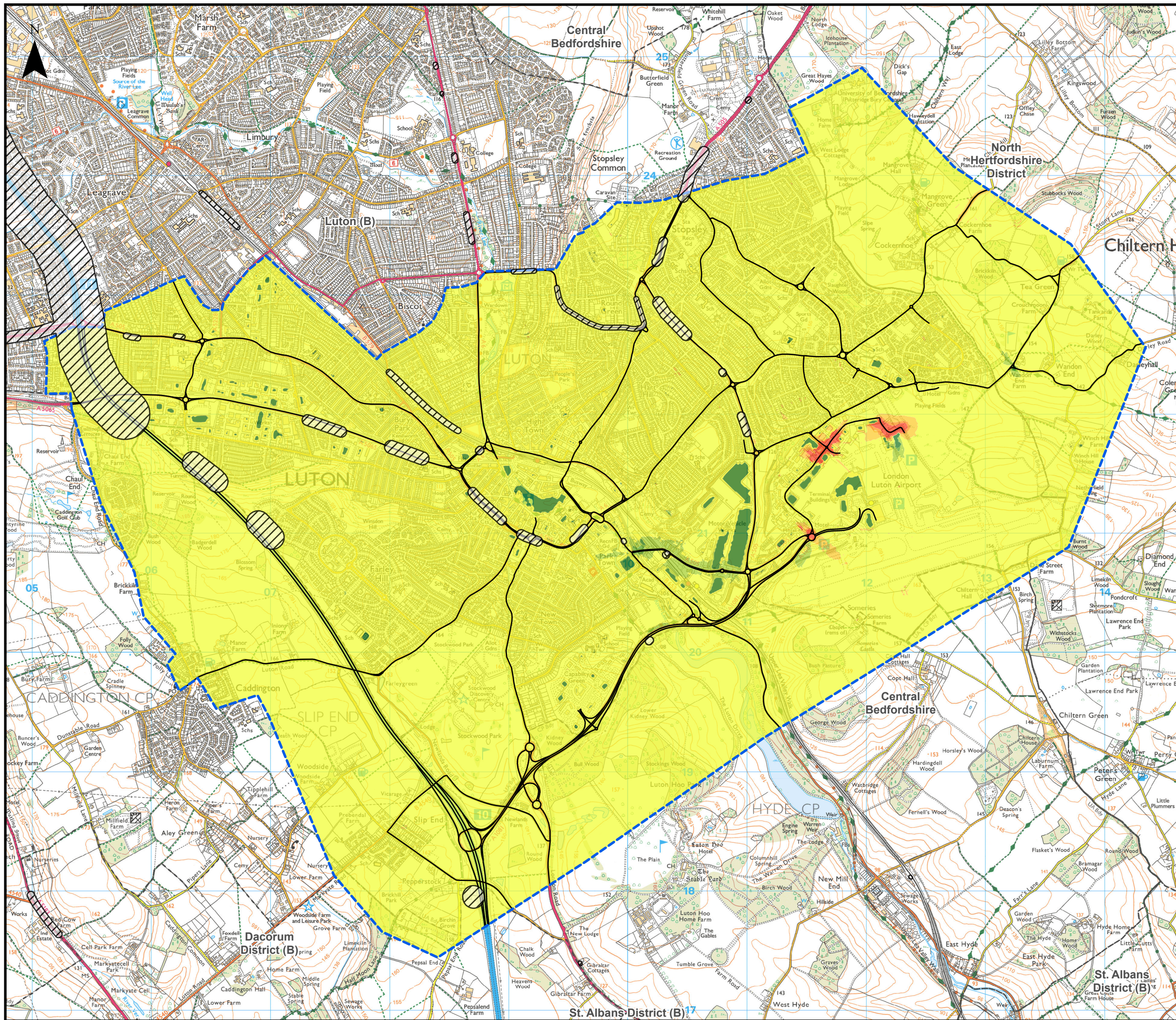
<b>Regulation number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR020001
<b>Document Reference:</b>	TR020001/APP/5.03
<b>Author:</b>	Luton Rising

<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)

## Contents

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Figure 16.37	Change in 2027 Do-Something - Do-Minimum Daytime LAeq,16h Surface Access Noise Contours
Figure 16.38	Change in 2027 Do-Something - Do-Minimum Night-time LAeq,8h Surface Access Noise Contours
Figure 16.39	Extent of 2039 Do-Minimum Daytime LAeq,16h Air Noise Contours
Figure 16.40	Extent of 2039 Do-Minimum Night-time LAeq,8h Air Noise Contours
Figure 16.41	Extent of 2039 Do-Something Daytime LAeq,16h Air Noise Contours
Figure 16.42	Extent of 2039 Do-Something Night-time LAeq,8h Air Noise Contours



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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
  - Surface Access Noise Calculation Area
  - Road Traffic Noise Important Area
  - Road

**Change in Decibels (dB) in 2027 Do-Something and Do-Minimum Daytime LAeq, 16h Surface Access Noise Contours**

- Noise Decrease**
- 5.0 dB or more
  - 3.0 to 4.9 dB
  - 1.0 - 2.9 dB
  - 0.1 - 0.9 dB
- Noise Increase**
- 0.1 - 0.9 dB
  - 1.0 - 2.9 dB
  - 3.0 - 4.9 dB
  - 5.0 dB or more

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

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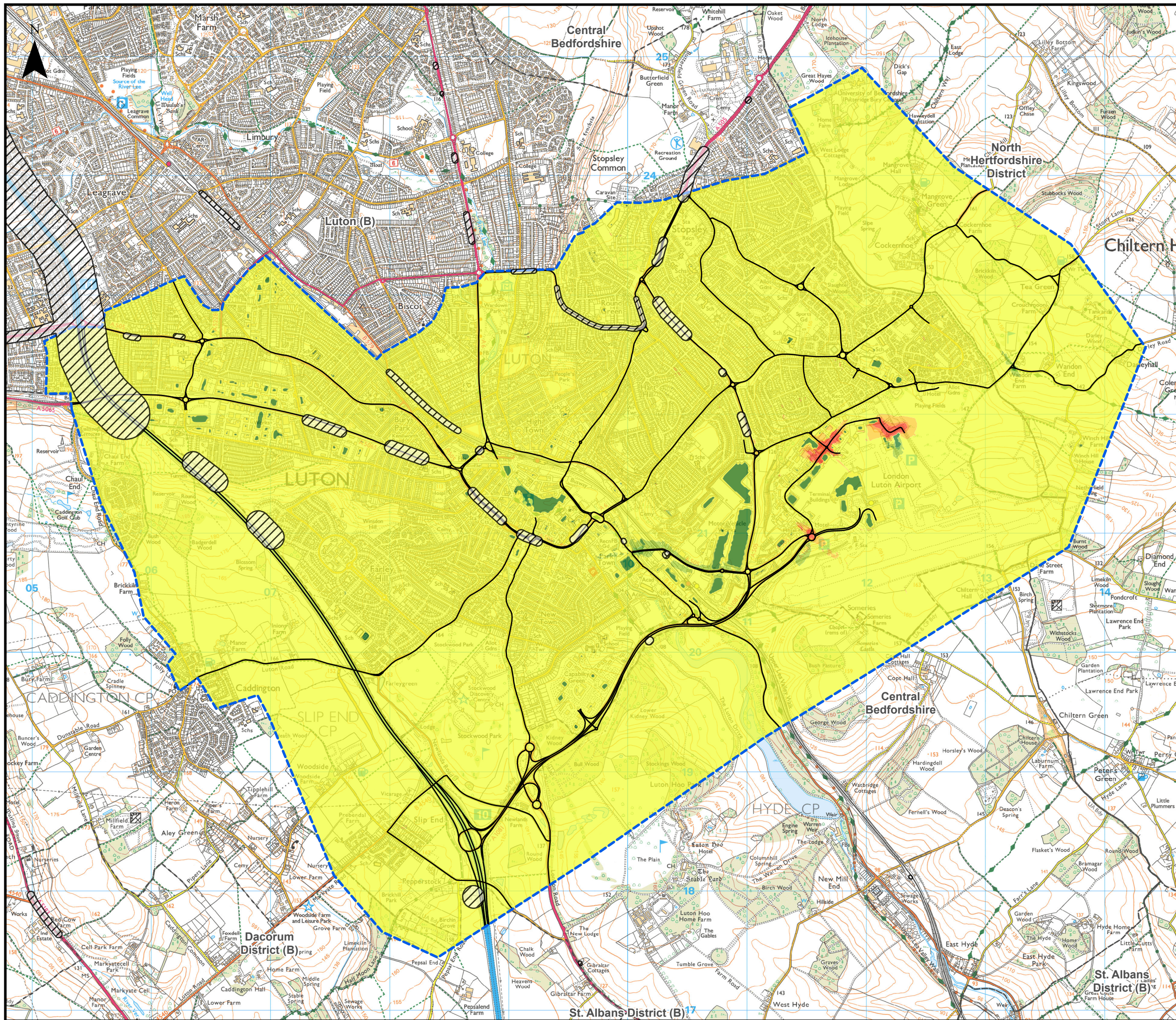
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Drawing Title: **Figure 16.37**  
**Change in 2027 Do-Something - Do-Minimum Daytime LAeq, 16h Surface Access Noise Contours**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	22/06/23	1:30,000	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-0037	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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- Legend**
- Local Authority Boundaries
  - Surface Access Noise Calculation Area
  - Road Traffic Noise Important Area
  - Road

**Change in Decibels (dB) in 2027 Do-Something and Do-Minimum Night-time LAeq,8h Surface Access Noise Contours**

- Noise Decrease**
- 5.0 dB or more
  - 3.0 to 4.9 dB
  - 1.0 - 2.9 dB
  - 0.1 - 0.9 dB
- Noise Increase**
- 0.1 - 0.9 dB
  - 1.0 - 2.9 dB
  - 3.0 - 4.9 dB
  - 5.0 dB or more

Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	22/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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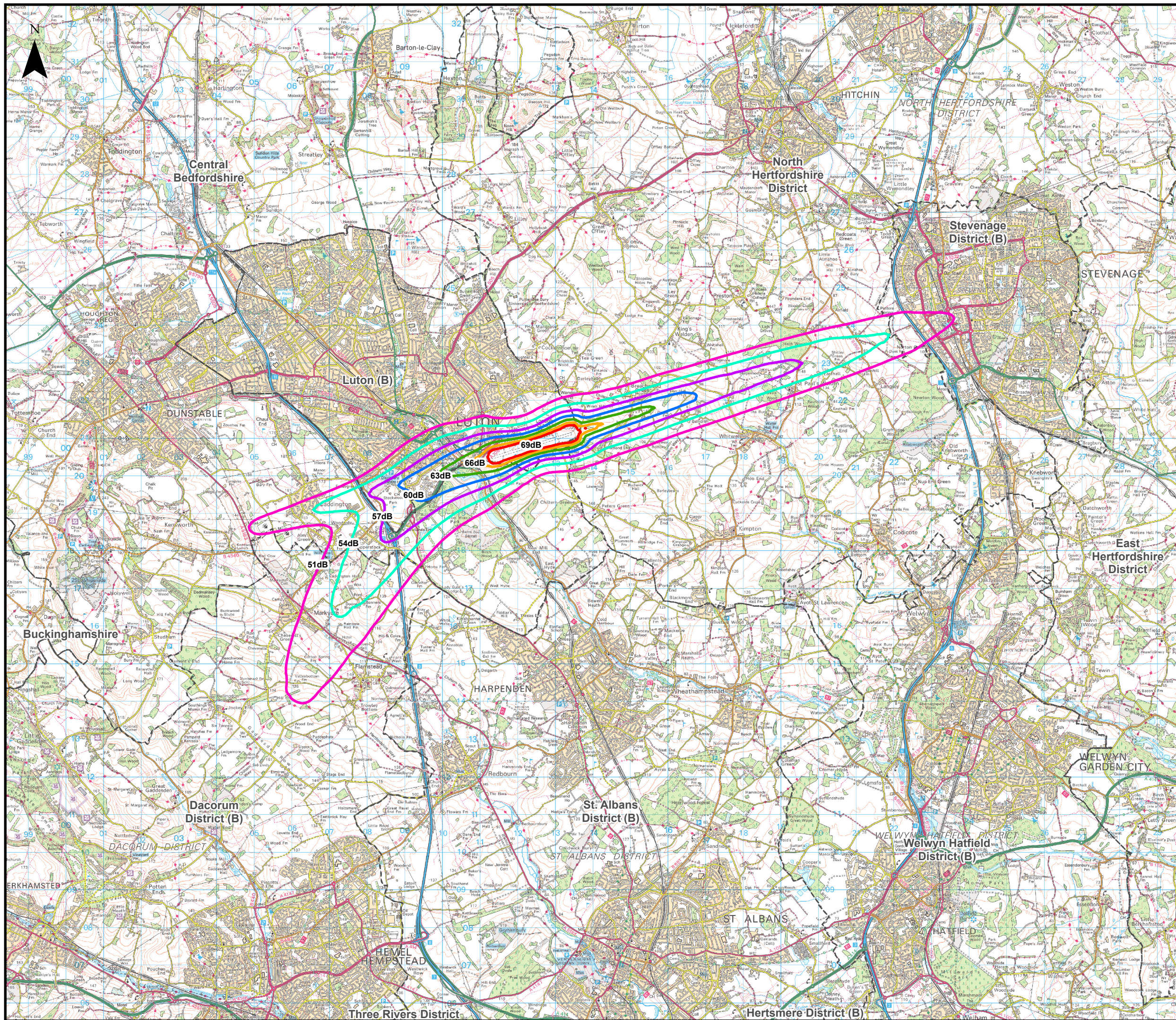
**London Luton Airport Expansion Development Consent Order**

Drawing Title  
**Figure 16.38  
Change in 2027 Do-Something - Do-Minimum  
Night-time LAeq,8h Surface Access Noise Contours**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	22/06/23	1:30,000	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-0038	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2039 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)	LP	CSH	CS	20/06/23	P02
First Issue	LP	CSH	CS	31/02/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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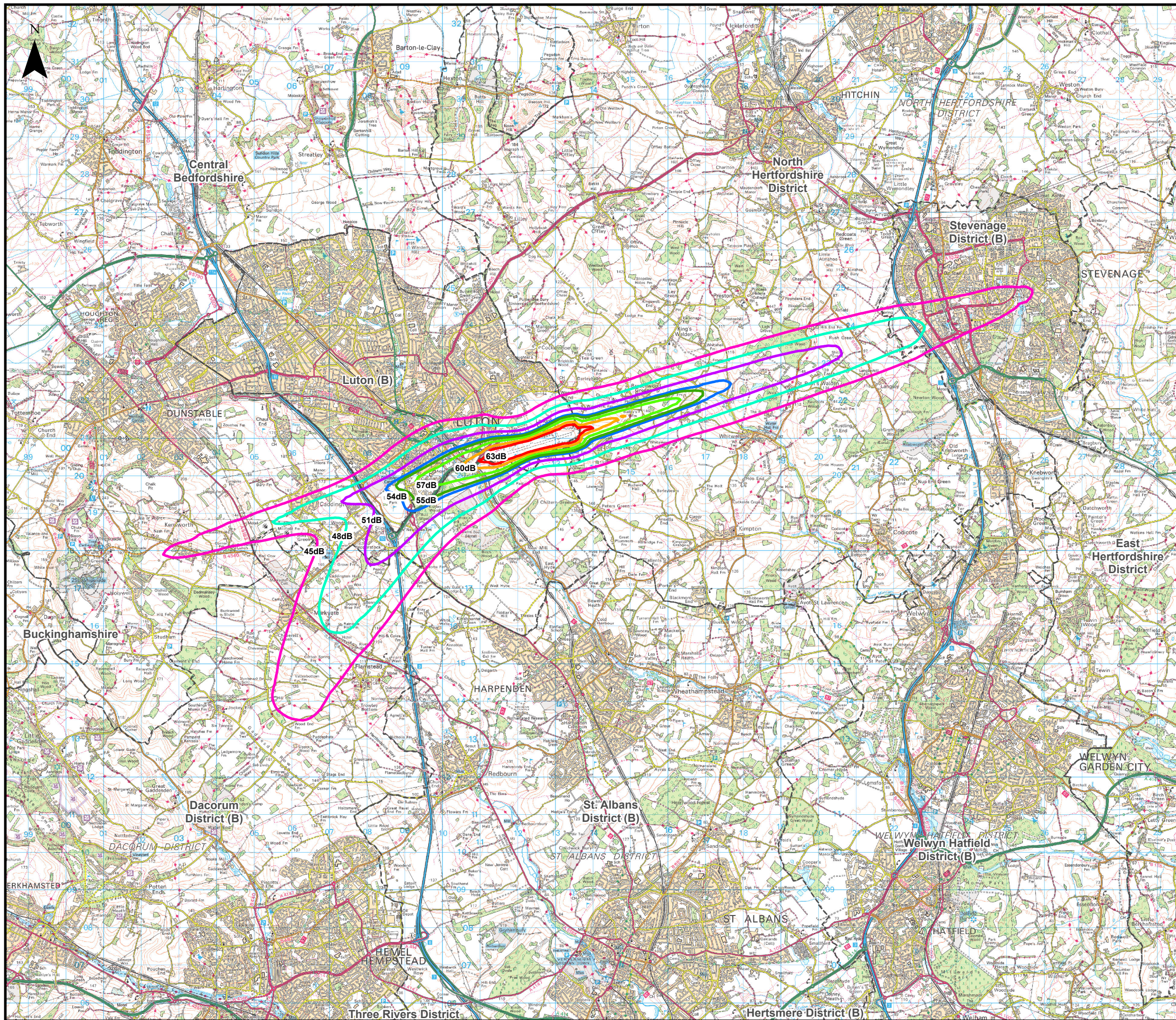
**London Luton Airport Expansion Development Consent Order**

Drawing Title **Figure 16.39**  
**Extent of 2039 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
LP	CSH	CS	20/06/23	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-0039	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



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**Legend**

- Local Authority Boundaries
- Air Noise Contours in Decibels (dB) (2039 Do-Minimum Night-time 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)	LP	CSH	CS	21/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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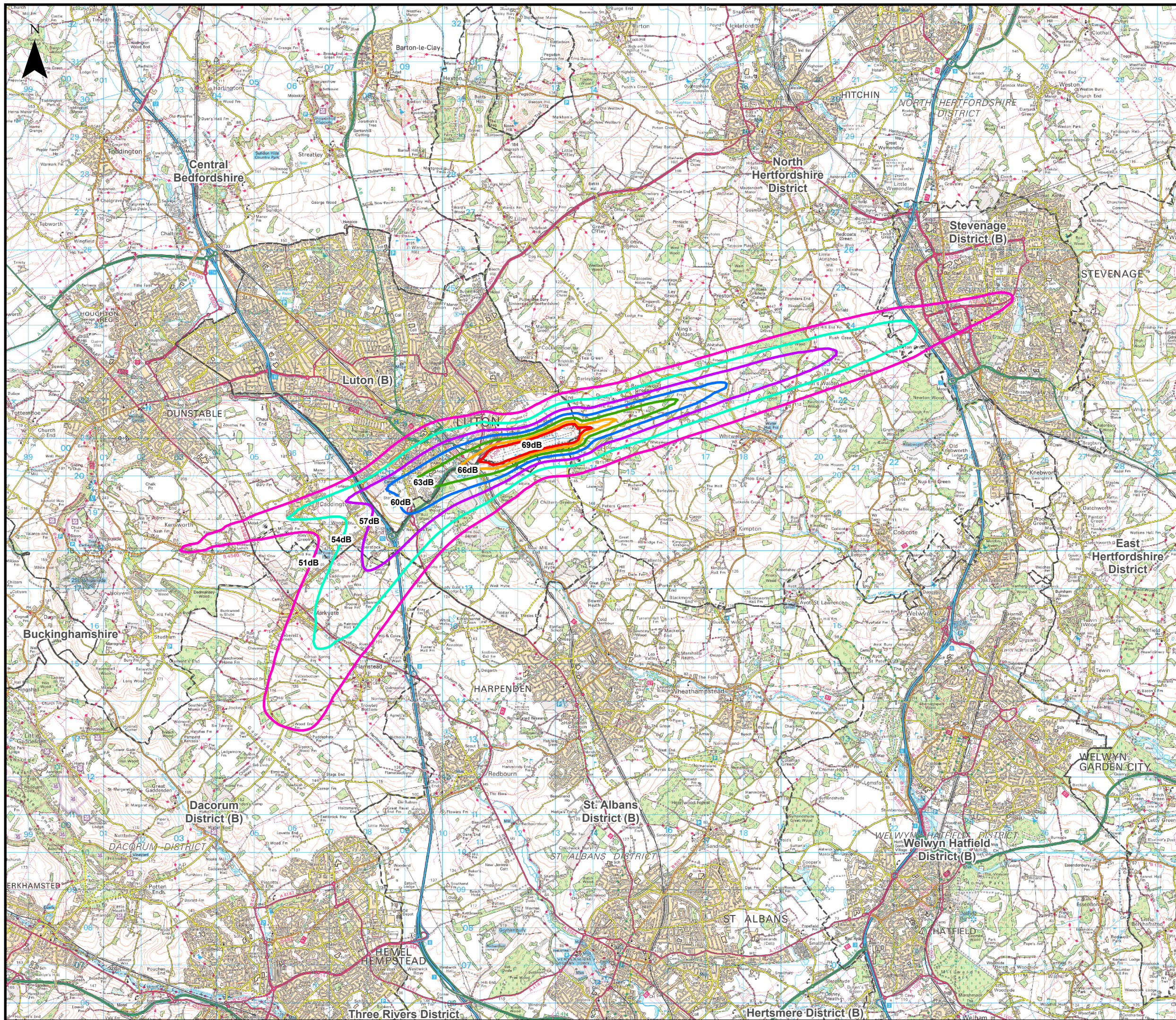
Drawing Title: **Figure 16.40  
Extent of 2039 Do-Minimum Night-time LAeq,8h  
Air Noise Contours**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
LP	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-0040	P02

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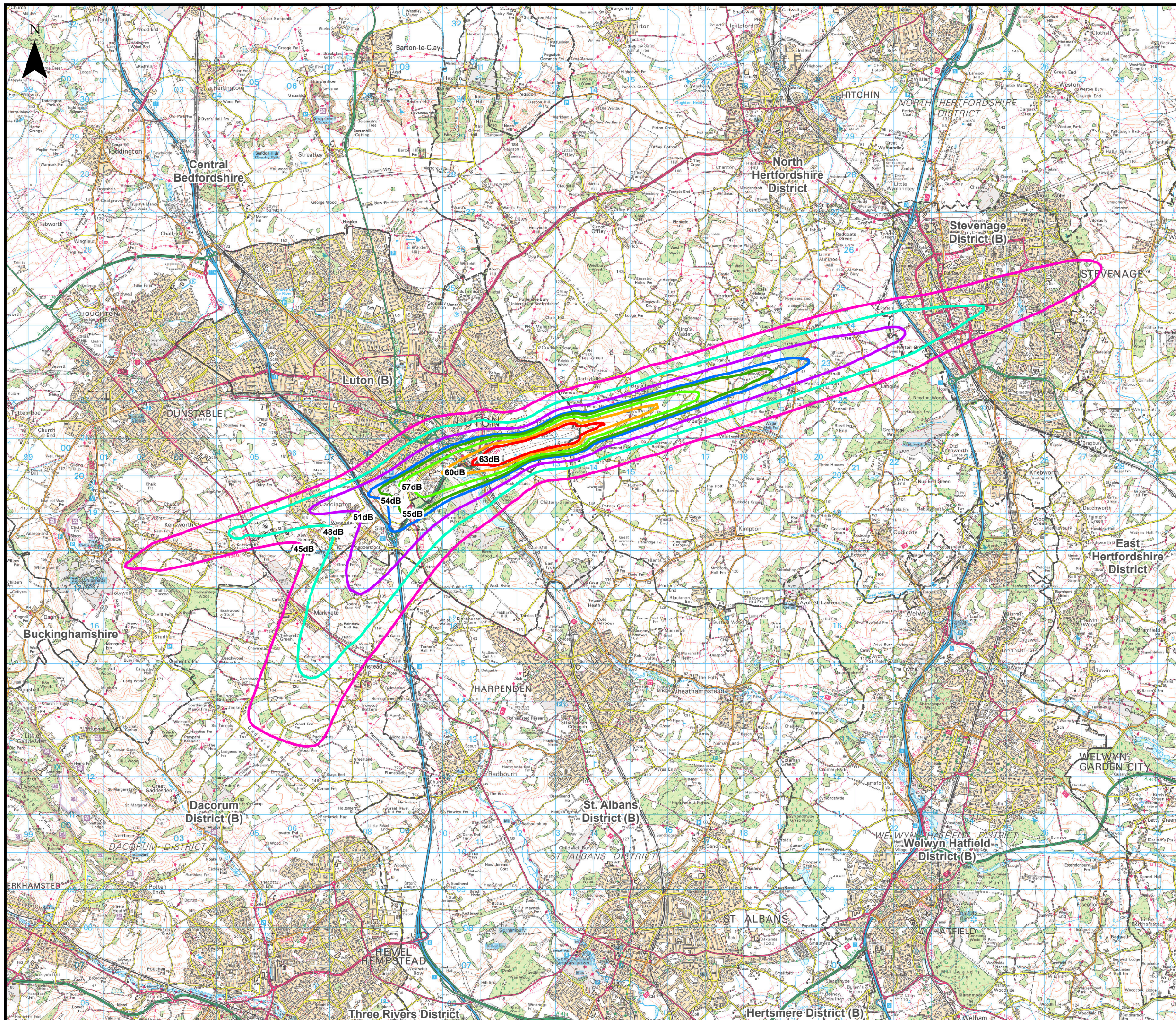
Drawing Title: **Figure 16.41**  
**Extent of 2039 Do-Something Daytime LAeq,16h Air Noise Contours**

Purpose of issue				Suitability	
Additional submissions (updated in response to Rule 9 letter)				S2	
Drawn	Checked	Approved	Date	Scale	Size
LP	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-0041	P02
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Drawing Title: **Figure 16.42**  
**Extent of 2039 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
LP	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-0042	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	