

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 16.1 - 16.4**

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 16.1 – 16.4**

---

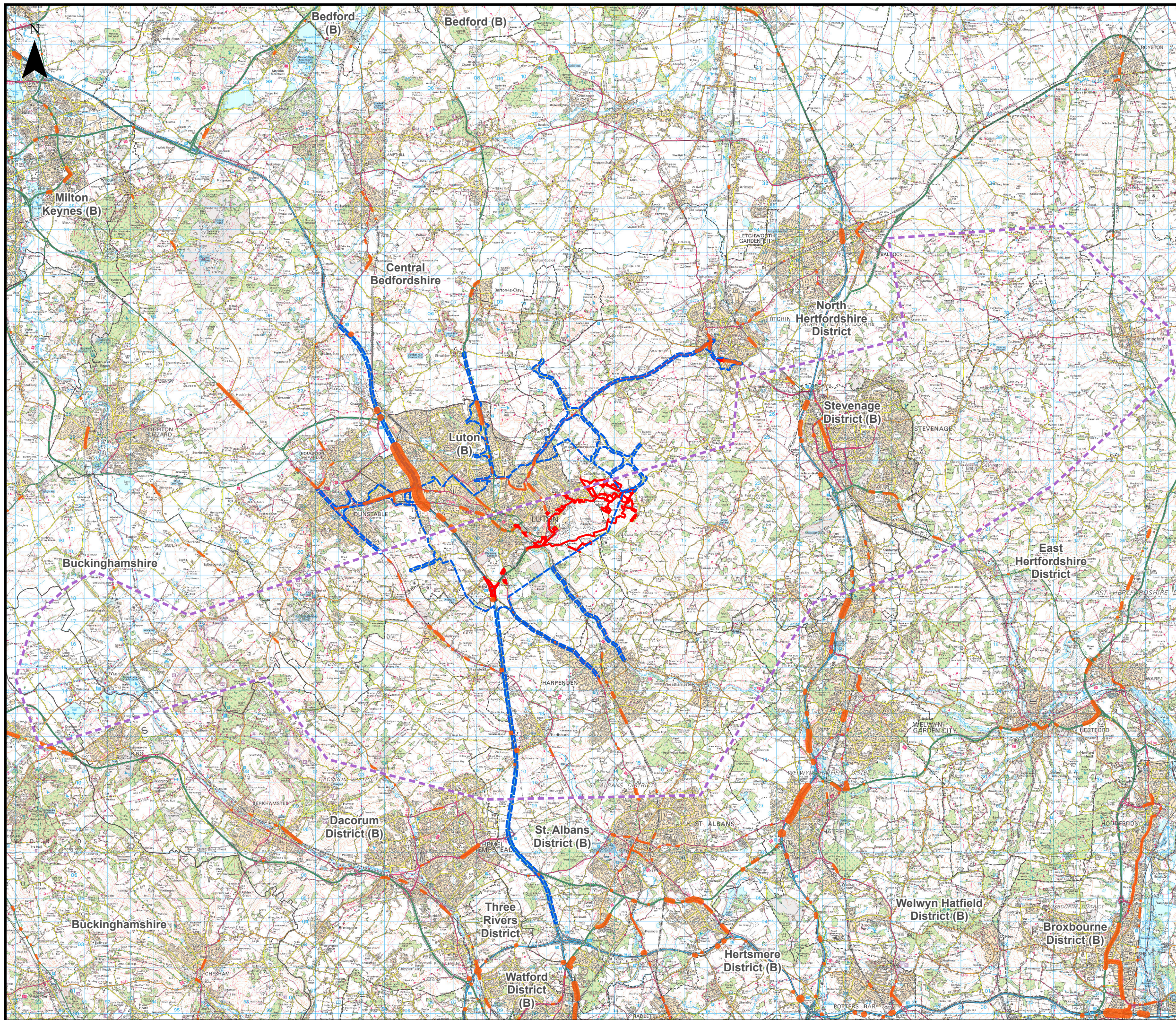
<b>Regulation number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR020001
<b>Document Reference:</b>	TR020001/APP/5.03
<b>Author:</b>	Luton Rising

<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

---






Figure 16.1	Air Noise and Surface Access Noise Study Area
Figure 16.2	Construction Noise and Ground Noise Study Area
Figure 16.3	Baseline Noise Monitoring Locations (Sheet 1 of 4)
	Baseline Noise Monitoring Locations (Sheet 2 of 4)
	Baseline Noise Monitoring Locations (Sheet 3 of 4)
	Baseline Noise Monitoring Locations (Sheet 4 of 4)
Figure 16.4	Construction Noise and Ground Noise Assessment Locations



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673

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
-  Order Limits
-  Air Noise Study Area
-  Surface Access Noise Calculation and Study Area
-  Road Traffic Noise Important Area

Additional submissions (updated in response to Rule 9 letter)	LP	CSh	CS	20/06/23	P02
First Issue	LP	CSh	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

**Luton Rising** Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion Development Consent Order**

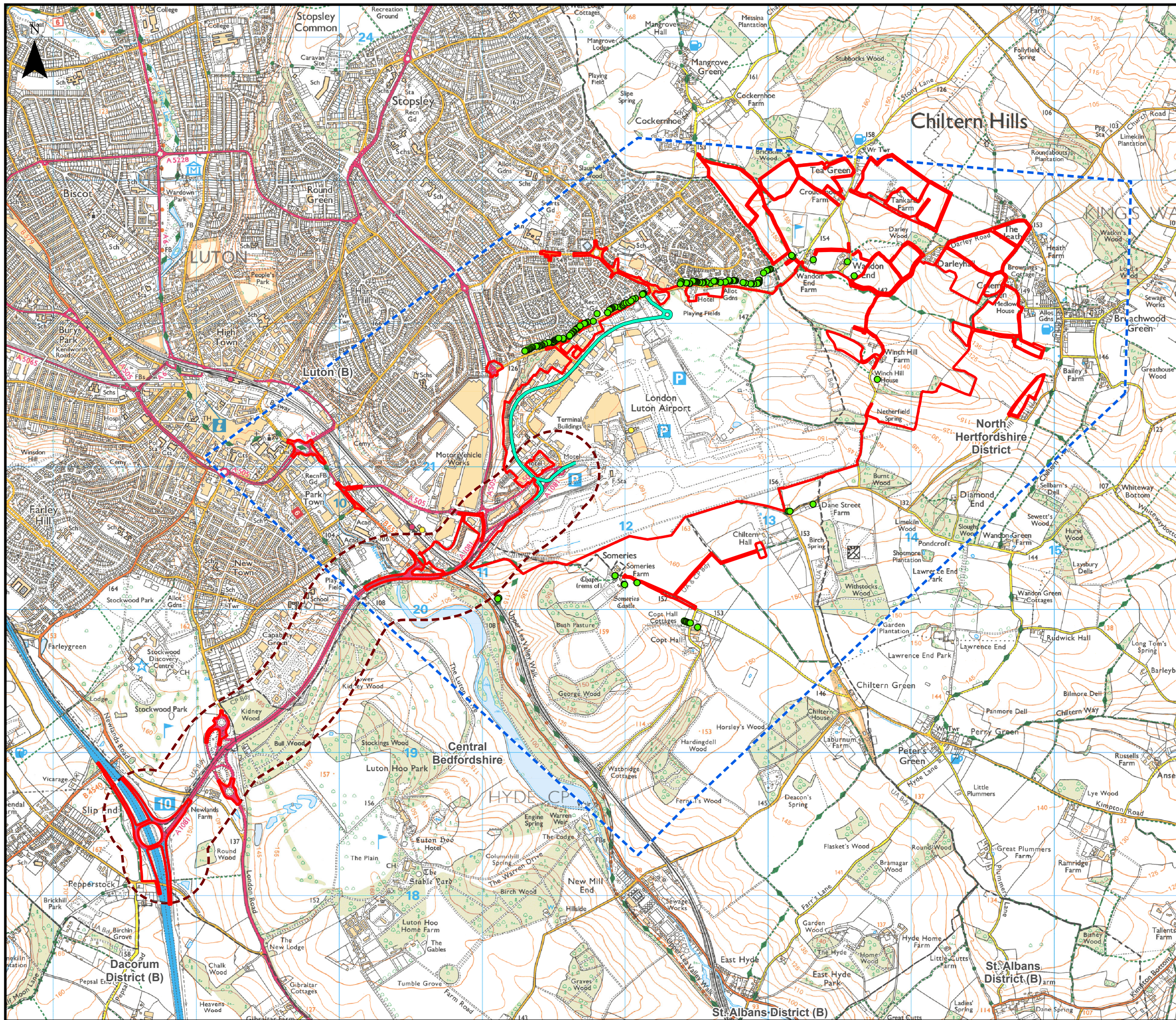
Drawing Title  
**Figure 16.1  
 Air Noise and Surface Access Noise Study Area**

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	1:155,000	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-0001	P02

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



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673

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**
- Order Limits
  - Local Authority Boundary
  - Ground and Construction Noise Study Area
  - Construction Haul Route - 300m Buffer
  - Ground and Construction Noise Receptor
  - Airport Access Road (AAR)

Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	20/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

**Luton Rising** Our airport. Our community. Our planet.

Luton Rising  
Hart House Business Centre  
Kimpton Road, Luton, LU2 0LA  
www.lutonrising.org.uk

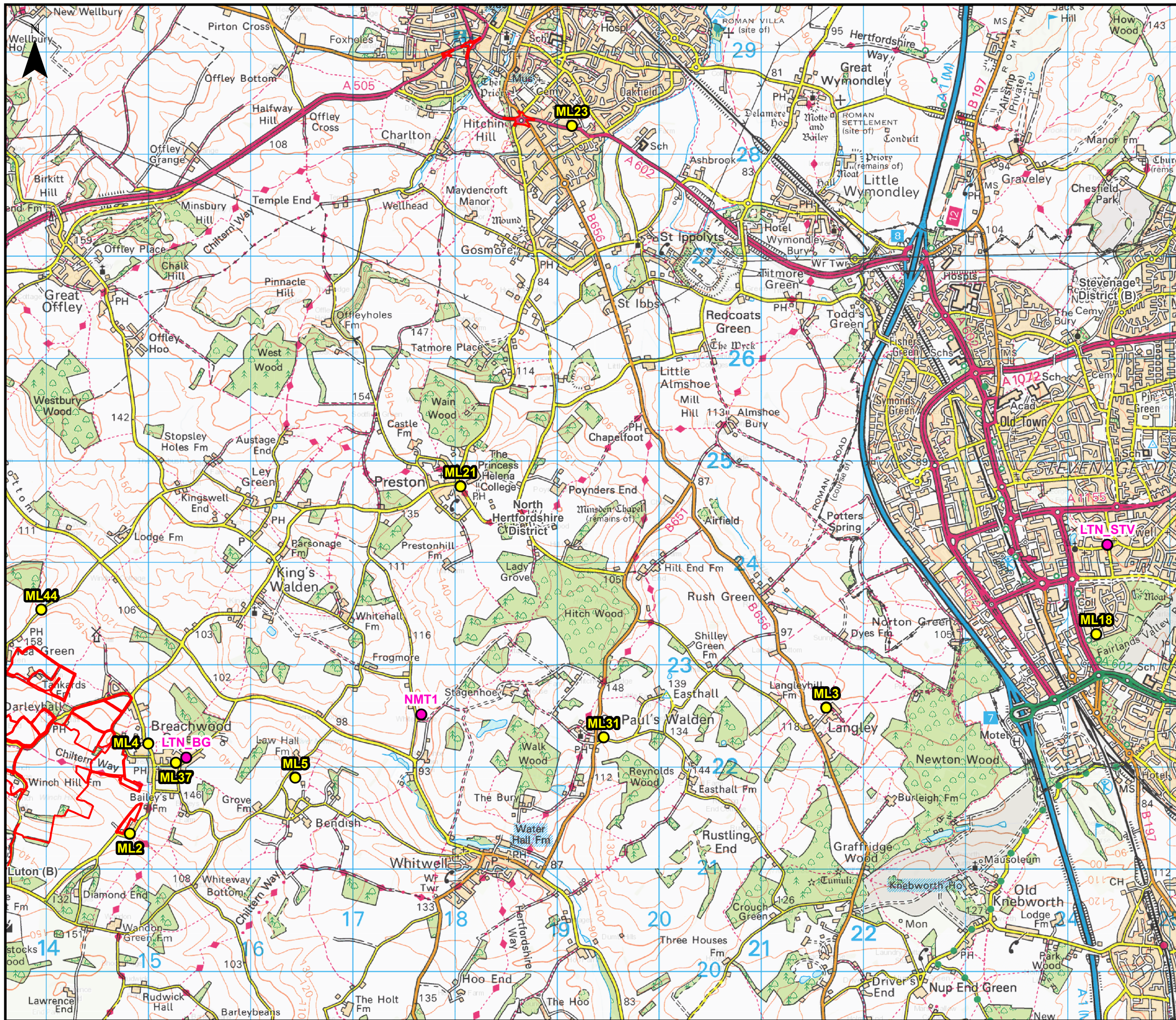
**London Luton Airport Expansion  
Development Consent Order**

Drawing Title  
**Figure 16.2  
Construction Noise and Ground Noise Study Area**

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	1:25,000	A3

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

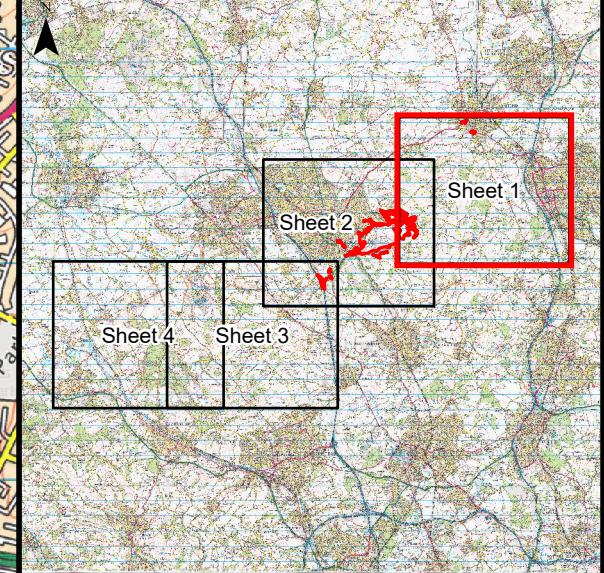
Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0002	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673  
 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 Boundary
  - Order Limits
  - Ambient Noise Monitoring Location
  - Aircraft Noise Monitoring Location

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.



**Luton Rising**  
 Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion Development Consent Order**

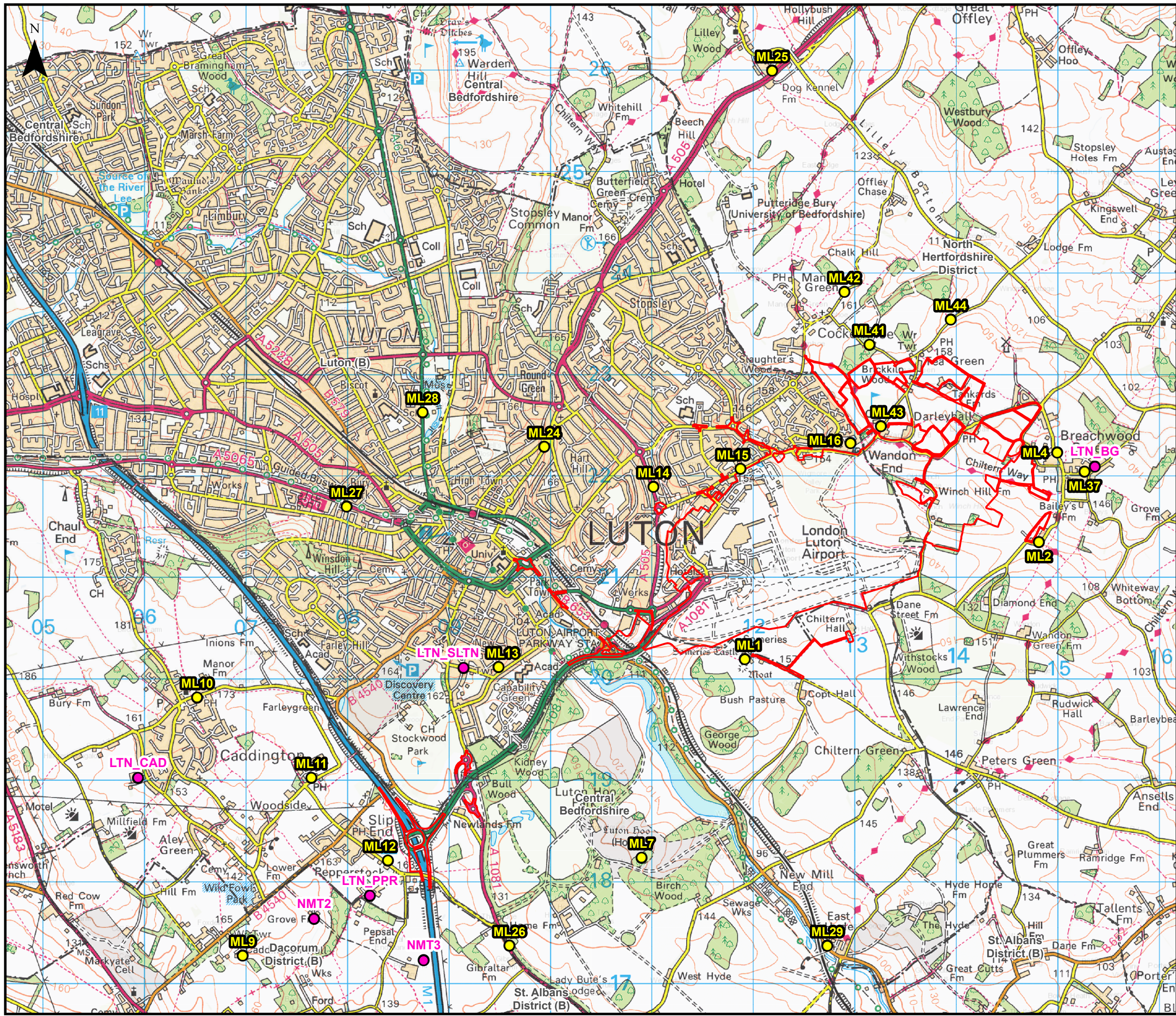
Drawing Title  
**Figure 16.3  
 Baseline Noise Monitoring Locations  
 (Sheet 1 of 4)**

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	21/06/23	1:35,000	A3

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

Drawing Number  
**LLADCO-3C-AEC-00-00-DR-YE-0003**  
 Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

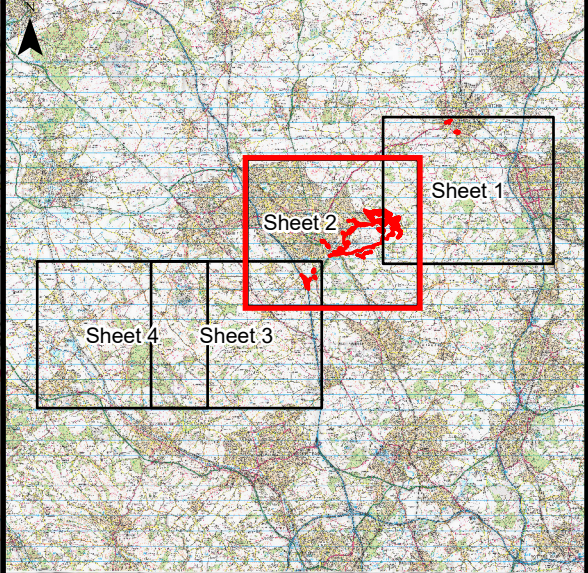
Revision  
**P02**



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673  
 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 Boundary
  - Order Limits
  - Ambient Noise Monitoring Location
  - Aircraft Noise Monitoring Location

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.



**Luton Rising**  
 Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion  
 Development Consent Order**

Drawing Title  
**Figure 16.3  
 Baseline Noise Monitoring Locations  
 (Sheet 2 of 4)**

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	21/06/23	1:35,000	A3

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

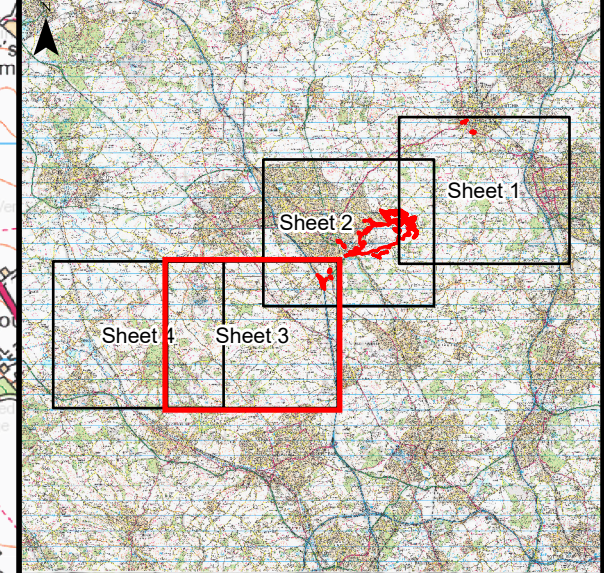
Drawing Number	Revision
LLADCO-3C-AEC-00-00-DR-YE-0003	P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673  
 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 Boundary
  - Order Limits
  - Ambient Noise Monitoring Location
  - Aircraft Noise Monitoring Location

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.



**Luton Rising**  
 Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion  
 Development Consent Order**

Drawing Title  
**Figure 16.3  
 Baseline Noise Monitoring Locations  
 (Sheet 3 of 4)**

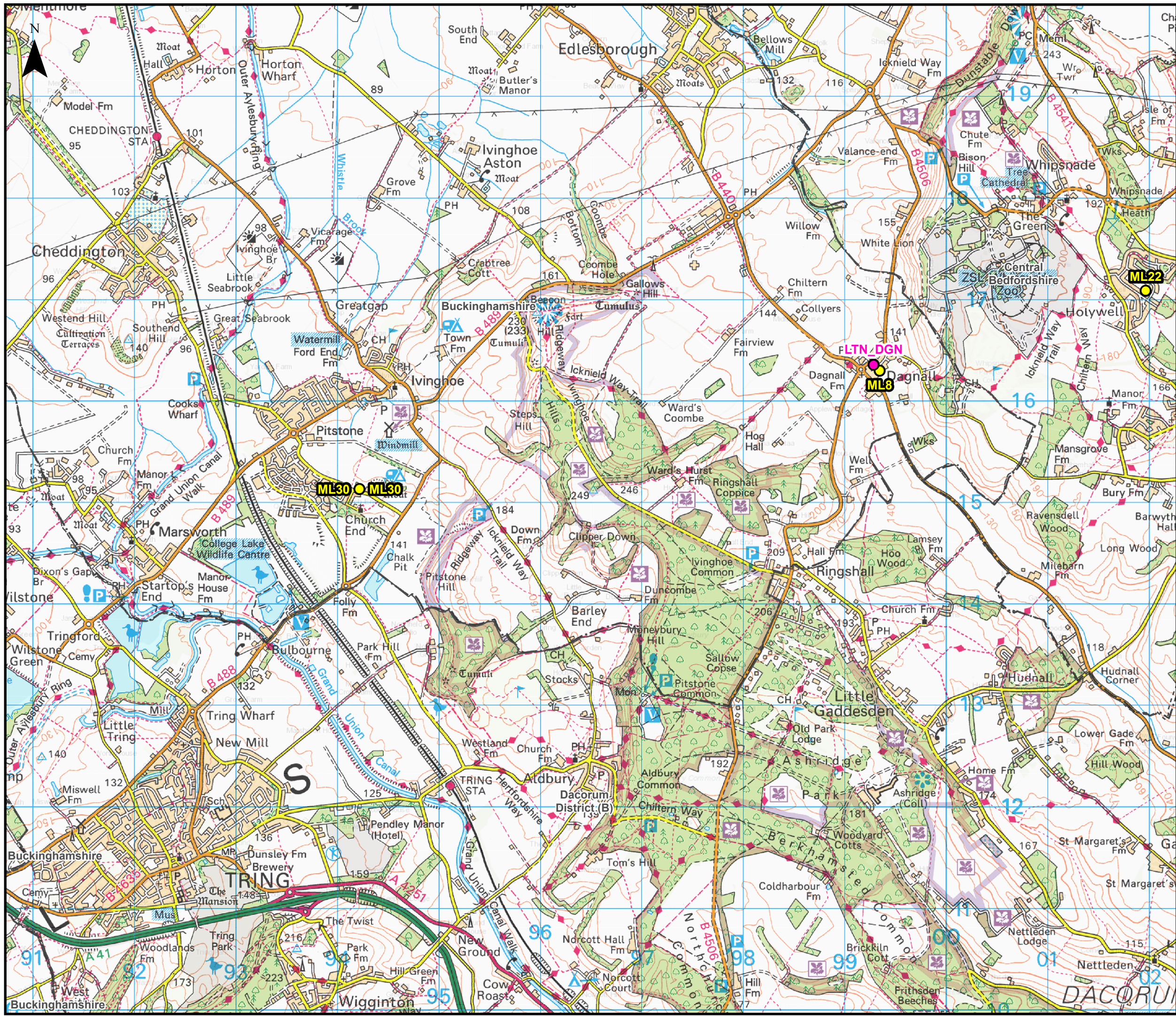
Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	21/06/23	1:35,000	A3

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

Drawing Number  
**LLADCO-3C-AEC-00-00-DR-YE-0003**  
 Project - Phase - Originator - Asset/Zone - Sub Asset - Type - Discp. - Number

Revision  
**P02**

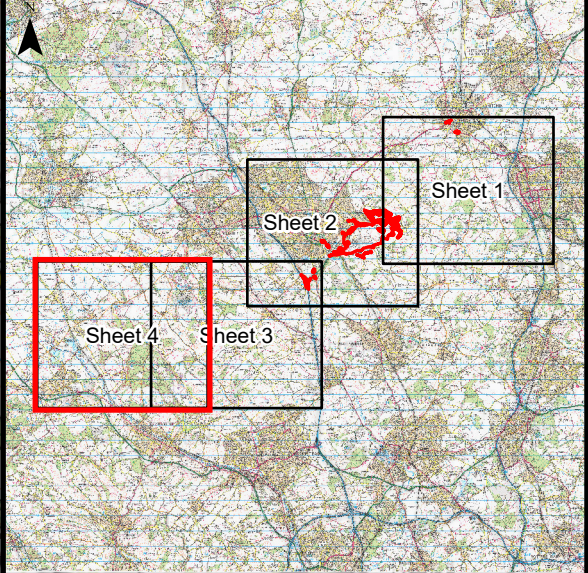




This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673  
 All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

- Legend**
- Local Authority Boundary
  - Order Limits
  - Ambient Noise Monitoring Location
  - Aircraft Noise Monitoring Location

Revision History	Drawn	Checked	Approved	Date	Rev.
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

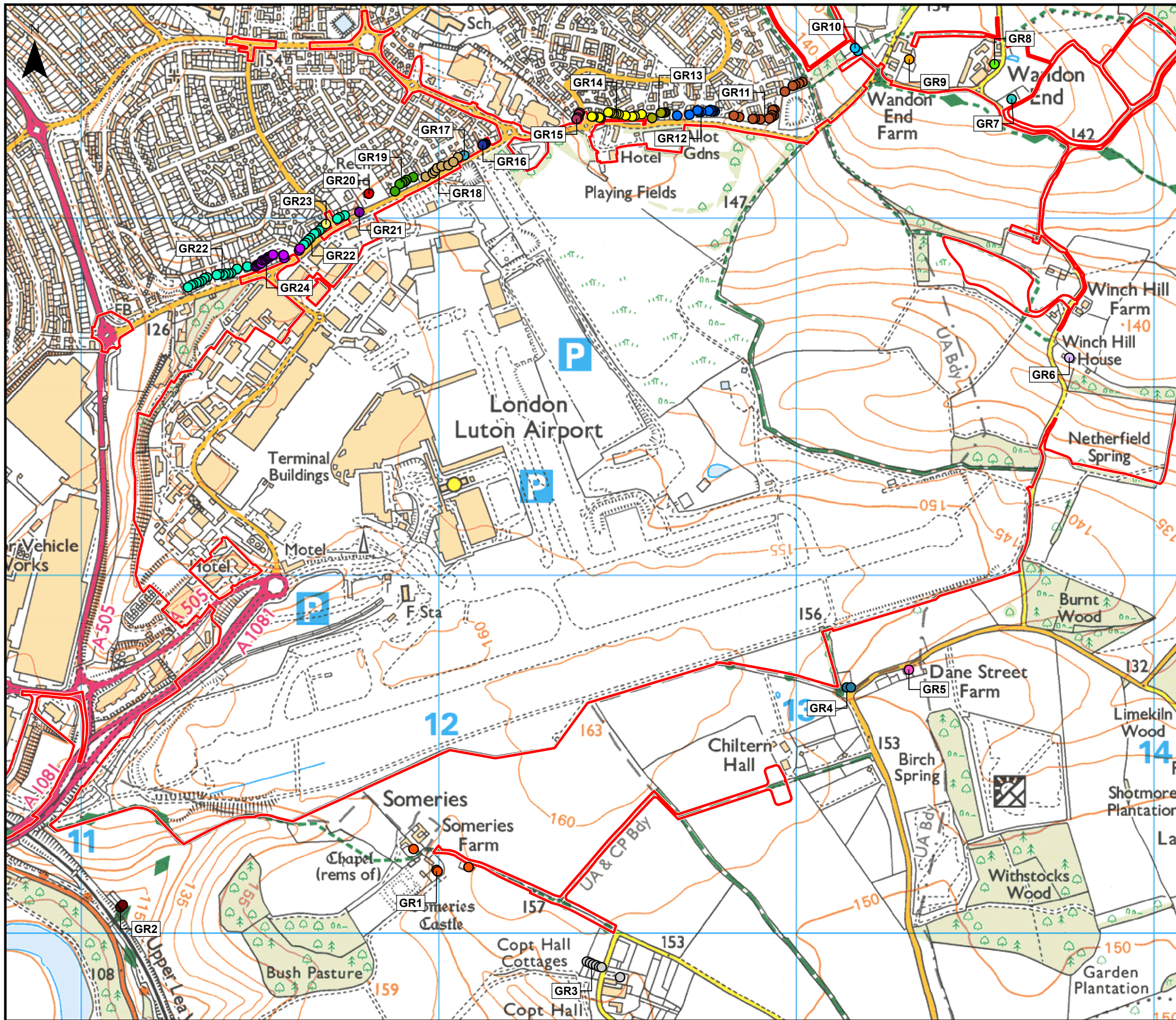


**Luton Rising**  
 Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion  
 Development Consent Order**

Drawing Title  
**Figure 16.3  
 Baseline Noise Monitoring Locations  
 (Sheet 4 of 4)**

Purpose of issue Additional submissions (updated in response to Rule 9 letter)				Suitability S2	
Drawn LP	Checked CSH	Approved CS	Date 21/06/23	Scale 1:35,000	Size A3
DCO Application Ref. TR020001		APFP Regulation APFP 5(2)(a)		DCO Document Ref. TR020001/APP/5.03	
Drawing Number LLADCO-3C-AEC-00-00-DR-YE-0003					Revision P02
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number					



This drawing may contain mapping by permission of Ordnance Survey on behalf of HMSO © Crown Copyright and database rights 2022 Ordnance Survey 0100031673  
 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**

- Order Limits
- Assessment locations**
- Location ID (number of receptors)
- GR1 (4)
- GR2 (2)
- GR3 (7)
- GR4 (2)
- GR5 (1)
- GR6 (1)
- GR7 (1)
- GR8 (1)
- GR9 (1)
- GR10 (2)
- GR11 (16)
- GR12 (10)
- GR13 (5)
- GR14 (14)
- GR15 (4)
- GR16 (3)
- GR17 (1)
- GR18 (8)
- GR19 (6)
- GR20 (1)
- GR21 (1)
- GR22 (27)
- GR23 (1)
- GR24 (17)

Additional submissions (updated in response to Rule 9 letter)	LP	CSH	CS	20/06/23	P02
First Issue	LP	CSH	CS	31/01/23	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

**Luton Rising** Our airport. Our community. Our planet.  
 Luton Rising  
 Hart House Business Centre  
 Kimpton Road, Luton, LU2 0LA  
 www.lutonrising.org.uk

**London Luton Airport Expansion Development Consent Order**

Drawing Title  
 Figure 16.4  
 Construction Noise and Ground Noise Assessment Locations

Purpose of issue	Additional submissions (updated in response to Rule 9 letter)				Suitability
Drawn	Checked	Approved	Date	Scale	Size
LP	CSH	CS	20/06/23	1:10,000	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-0004	P02

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