



# Gatwick Airport Northern Runway Project

## Consultation Report Appendices – Part B – Volume 8

### Book 6

VERSION: 1.0

DATE: JULY 2023

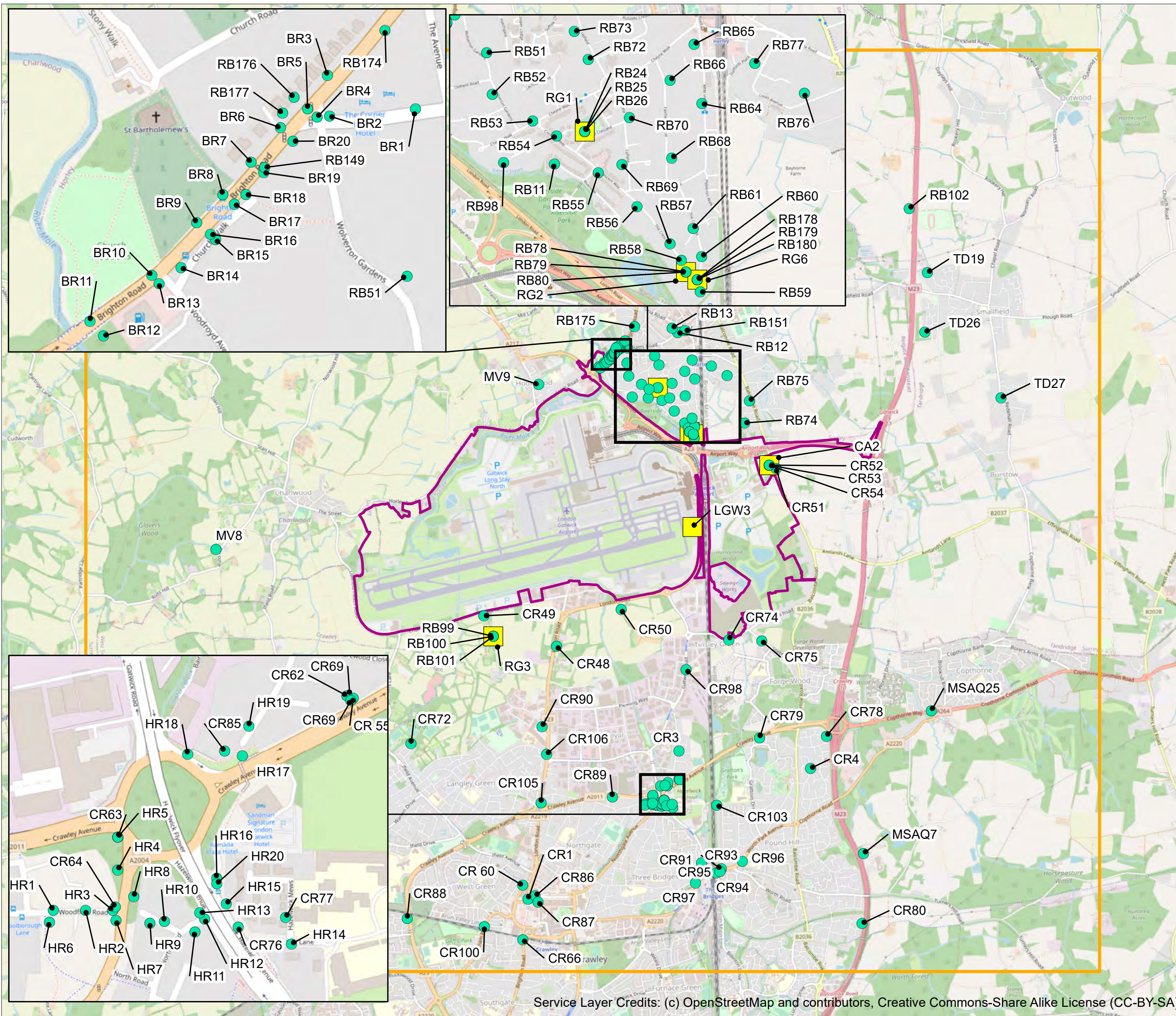
Application Document Ref: 6.2

PINS Reference Number: TR020005

## Contents – Part B – Volume 8

Appendix B.16 PEIR Figures 13.6.1 – 14.8.1





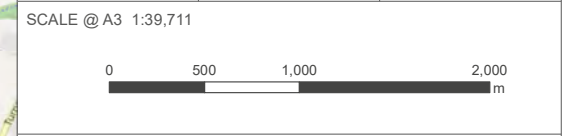
- Project Site Boundary (PEIR)
- 11 km x 10 km Domain
- Continuous Monitors
- Passive Monitors (Diffusion Tubes)

DOCUMENT  
**Preliminary Environmental Information Report**

DRAWING TITLE  
**Locations of Local Planning Authority Monitoring in the 11 km x 10 km Domain**

DATE  
**September 2021**

	DRAWING NO. <b>FIGURE 13.6.1</b>	REVISION <b>For PEIR Issue</b>
	DRAWN BY <b>TC</b>	PM / CHECKED BY <b>MK</b>



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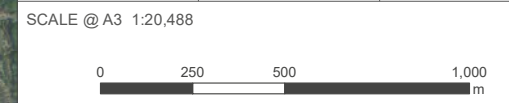
- Project Site Boundary (PEIR)
- Construction Compound
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
**Preliminary Environmental  
Information Report**

DRAWING TITLE  
**Construction Dust Buffers  
for Construction Compounds**

DATE  
**September 2021**

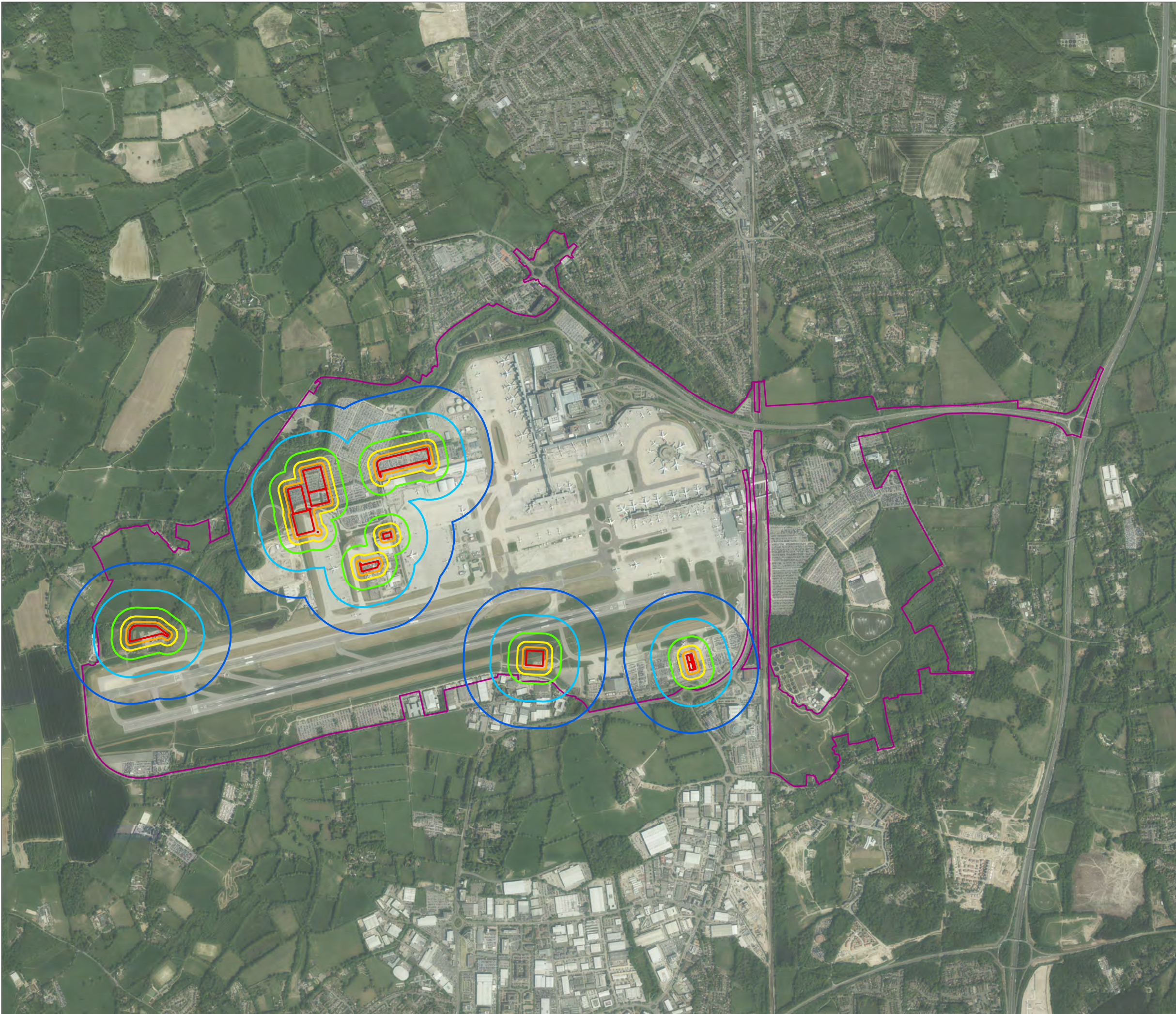
	DRAWING NO. <b>FIGURE 13.9.1</b>	REVISION <b>For PEIR Issue</b>
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- Project Site Boundary (PEIR)
- Maintenance Airfield Facility
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

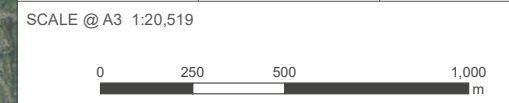


DOCUMENT  
**Preliminary Environmental  
Information Report**

DRAWING TITLE  
**Construction Dust Buffers  
for Maintenance Airfield Facilities**

DATE  
**September 2021**

ORIENTATION  	DRAWING NO. <b>FIGURE 13.9.2</b>	REVISION <b>For PEIR Issue</b>
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- Project Site Boundary (PEIR)
- Northern Runway
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer



DOCUMENT  
**Preliminary Environmental Information Report**

DRAWING TITLE  
**Construction Dust Buffers for the Northern Runway**

DATE  
**September 2021**

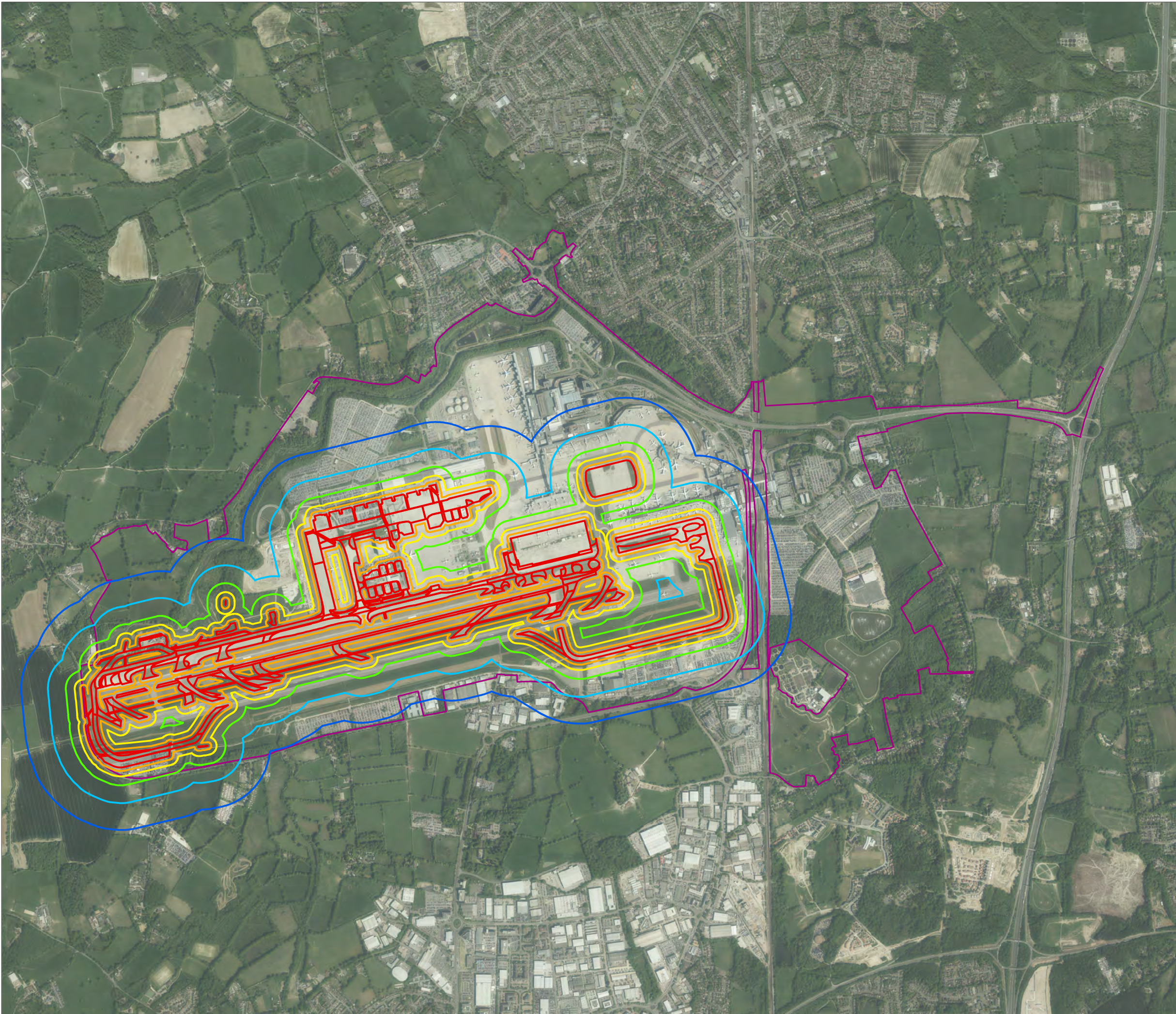
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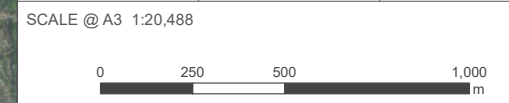
- Project Site Boundary (PEIR)
- Airfield Works
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
Preliminary Environmental  
Information Report

DRAWING TITLE  
Construction Dust Buffers  
for Airfield Works

DATE  
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	DRAWING NO.	REVISION
	FIGURE 13.9.4	For PEIR Issue
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- Project Site Boundary (PEIR)
- Pier 7
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

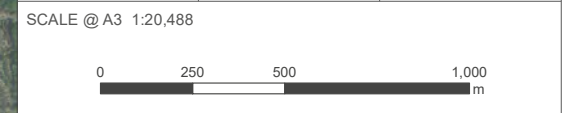


DOCUMENT  
**Preliminary Environmental Information Report**

DRAWING TITLE  
**Construction Dust Buffers for Pier 7**

DATE  
**September 2021**

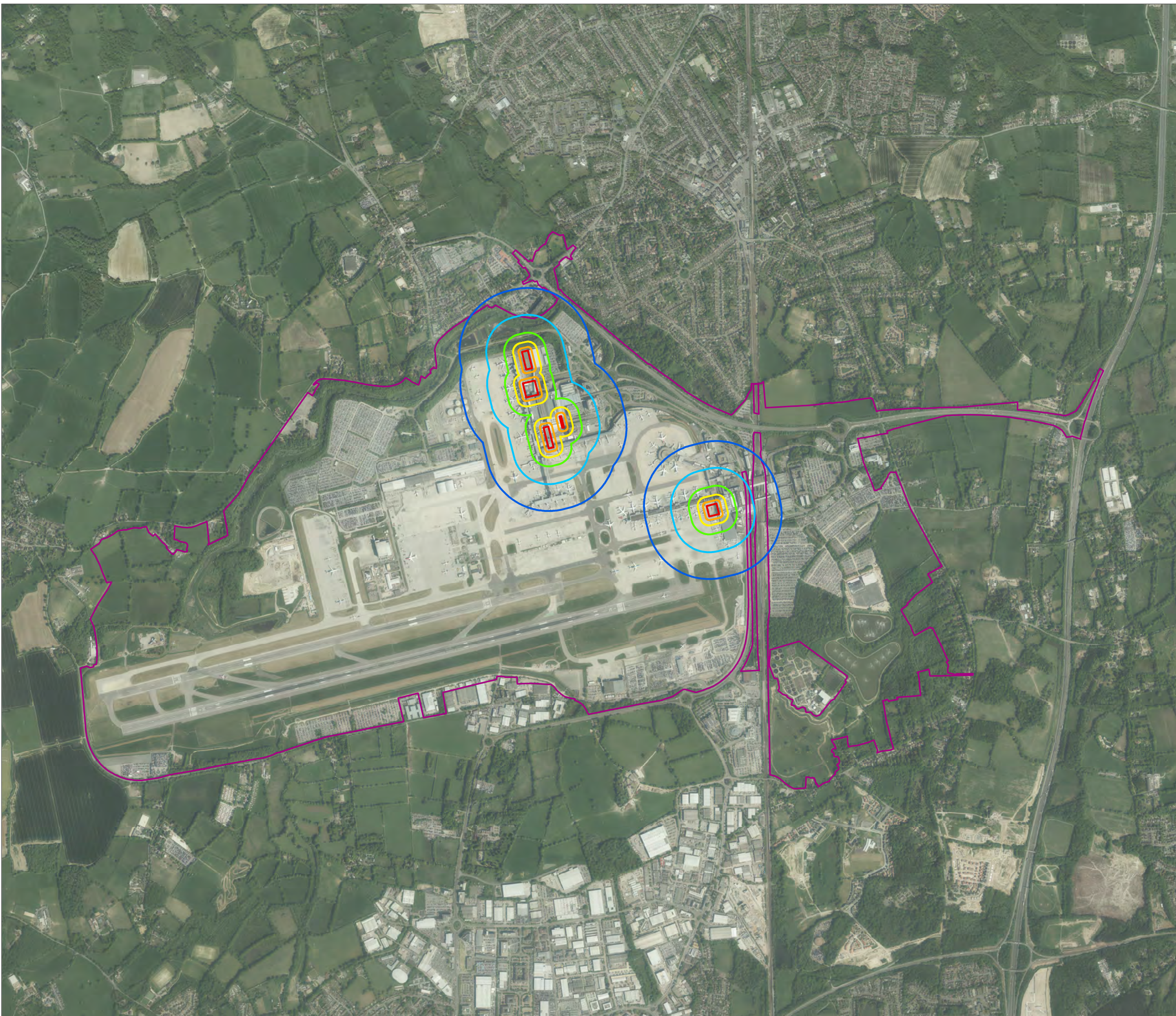
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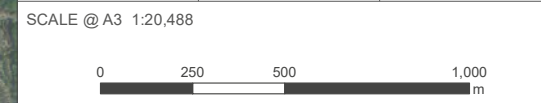
- Project Site Boundary (PEIR)
- Terminal Extension
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
**Preliminary Environmental Information Report**

DRAWING TITLE  
**Construction Dust Buffers for the Terminal Extensions**

DATE  
**September 2021**

	DRAWING NO. <b>FIGURE 13.9.6</b>	REVISION <b>For PEIR Issue</b>
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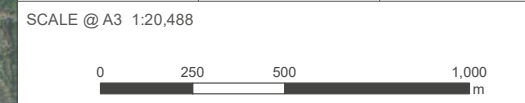
- Project Site Boundary (PEIR)
- Hotel and Commercial Facility
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
**Preliminary Environmental  
Information Report**

DRAWING TITLE  
**Construction Dust Buffers  
for Hotel and Commercial Facilities**

DATE  
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	DRAWING NO. <b>FIGURE 13.9.7</b>	REVISION <b>For PEIR Issue</b>
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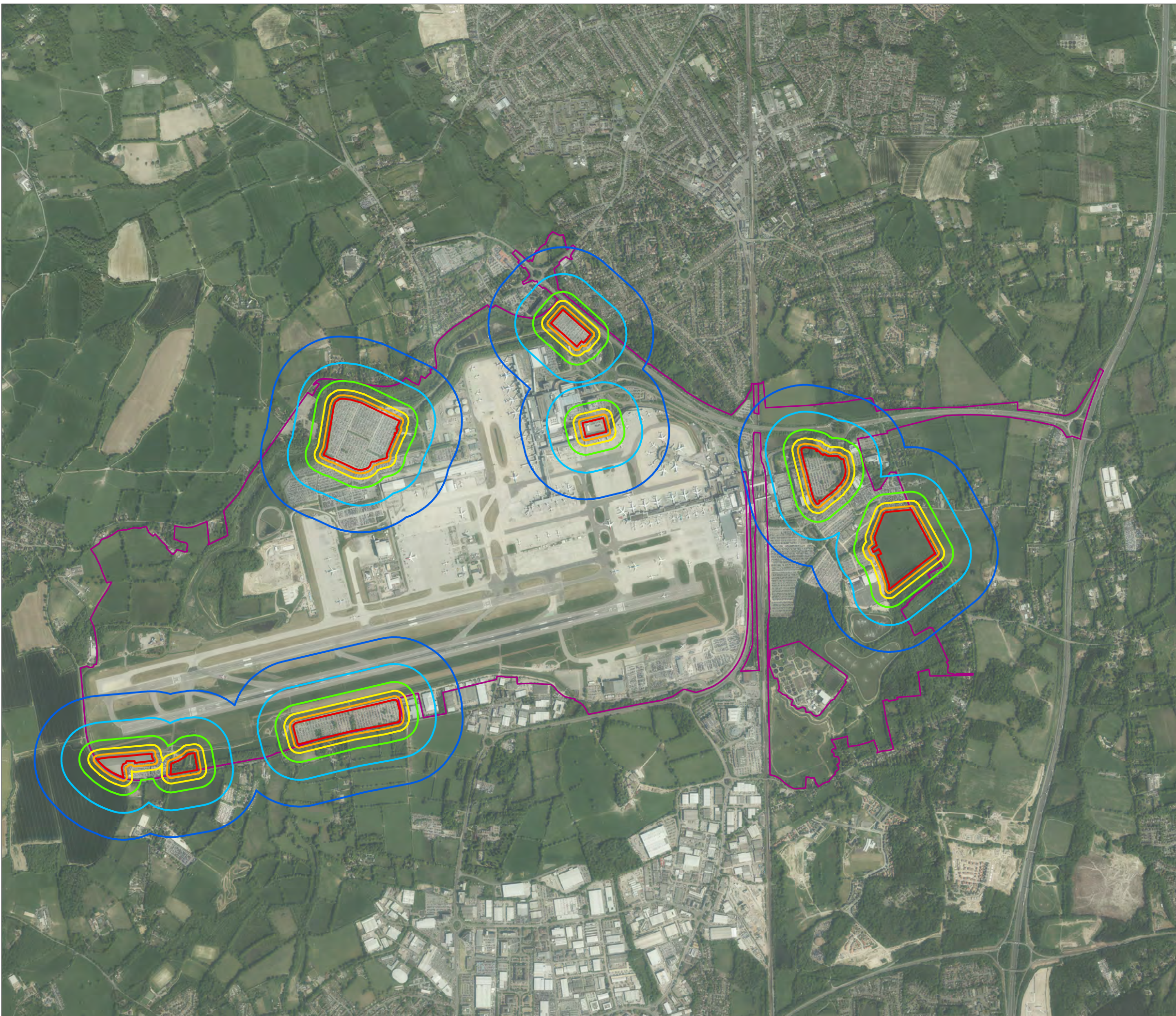


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- Project Site Boundary (PEIR)
- Car Park
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

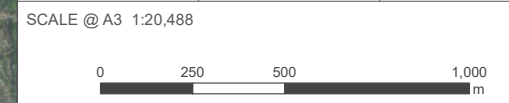


DOCUMENT  
**Preliminary Environmental  
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DRAWING TITLE  
**Construction Dust Buffers  
for Car Parks**

DATE  
**September 2021**

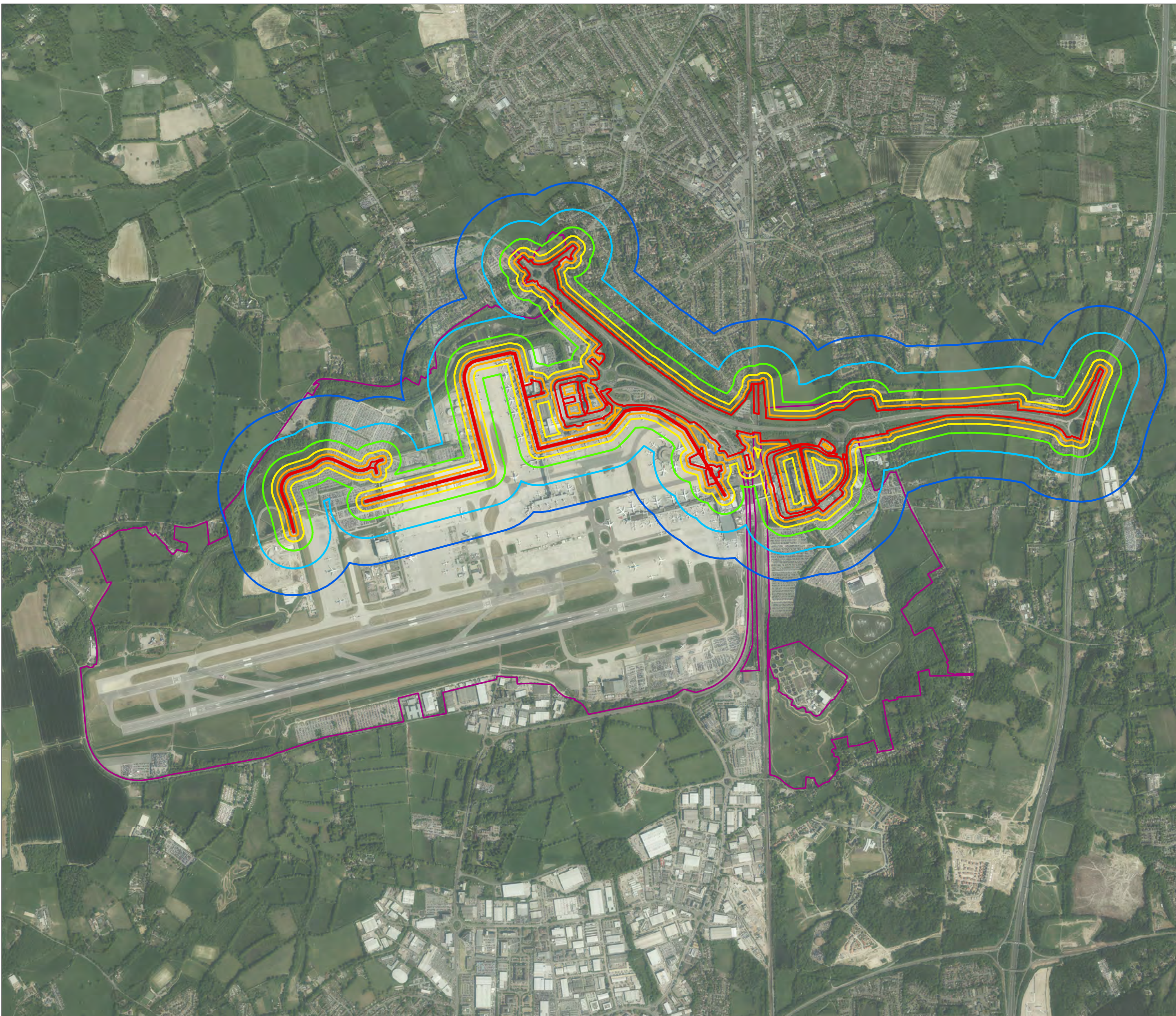
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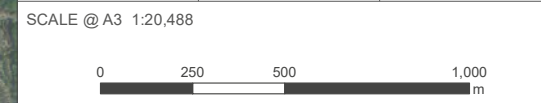
- Project Site Boundary (PEIR)
- Surface Access Improvement
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
**Preliminary Environmental  
Information Report**

DRAWING TITLE  
**Construction Dust Buffers  
for Surface Access Improvements**

DATE  
**September 2021**

	DRAWING NO. <b>FIGURE 13.9.9</b>	REVISION <b>For PEIR Issue</b>
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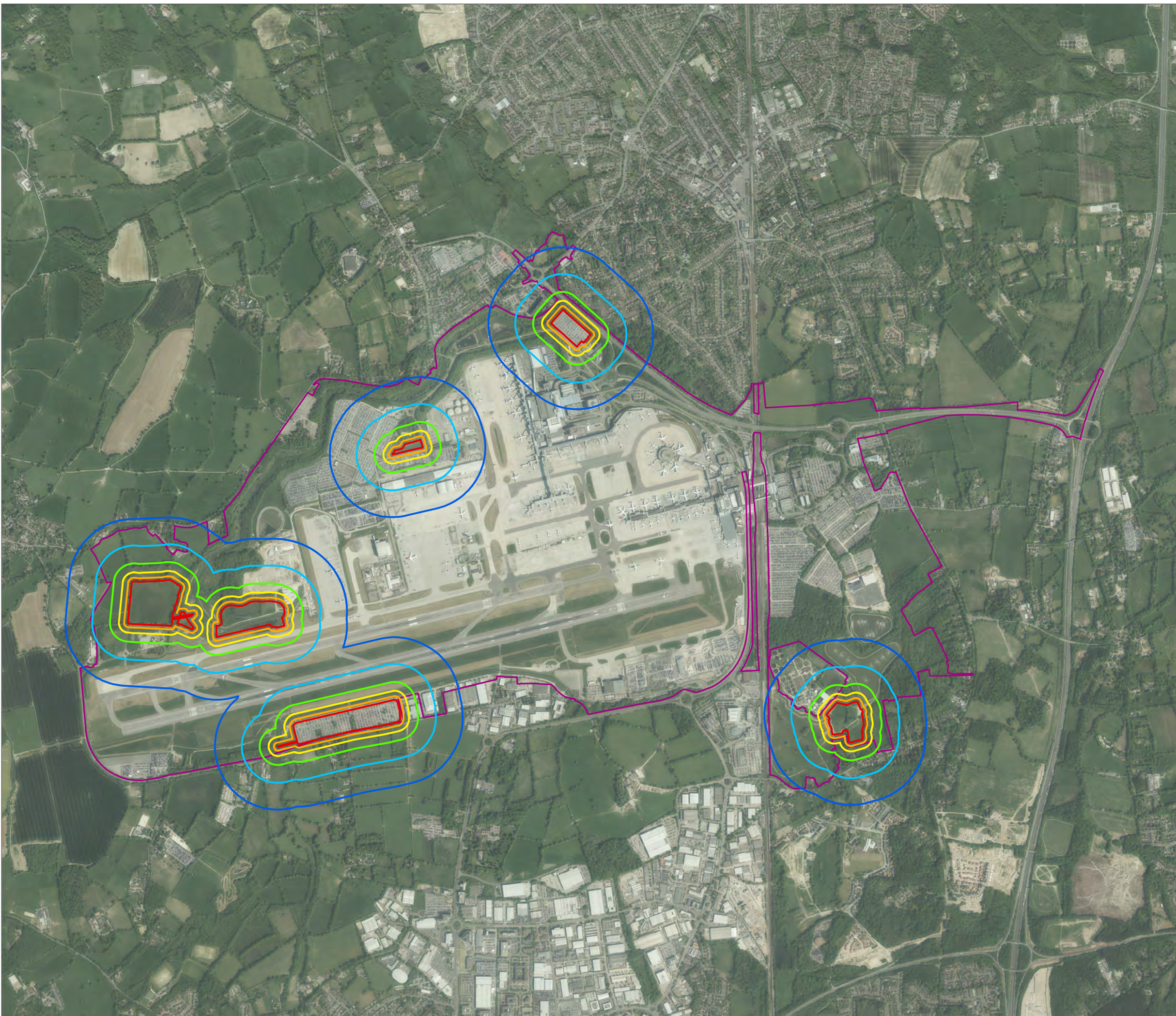


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- Project Site Boundary (PEIR)
- Flood Compensation Area
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

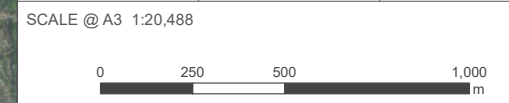


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**Preliminary Environmental  
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DRAWING TITLE  
**Construction Dust Buffers  
for Flood Compensation Areas**

DATE  
**September 2021**

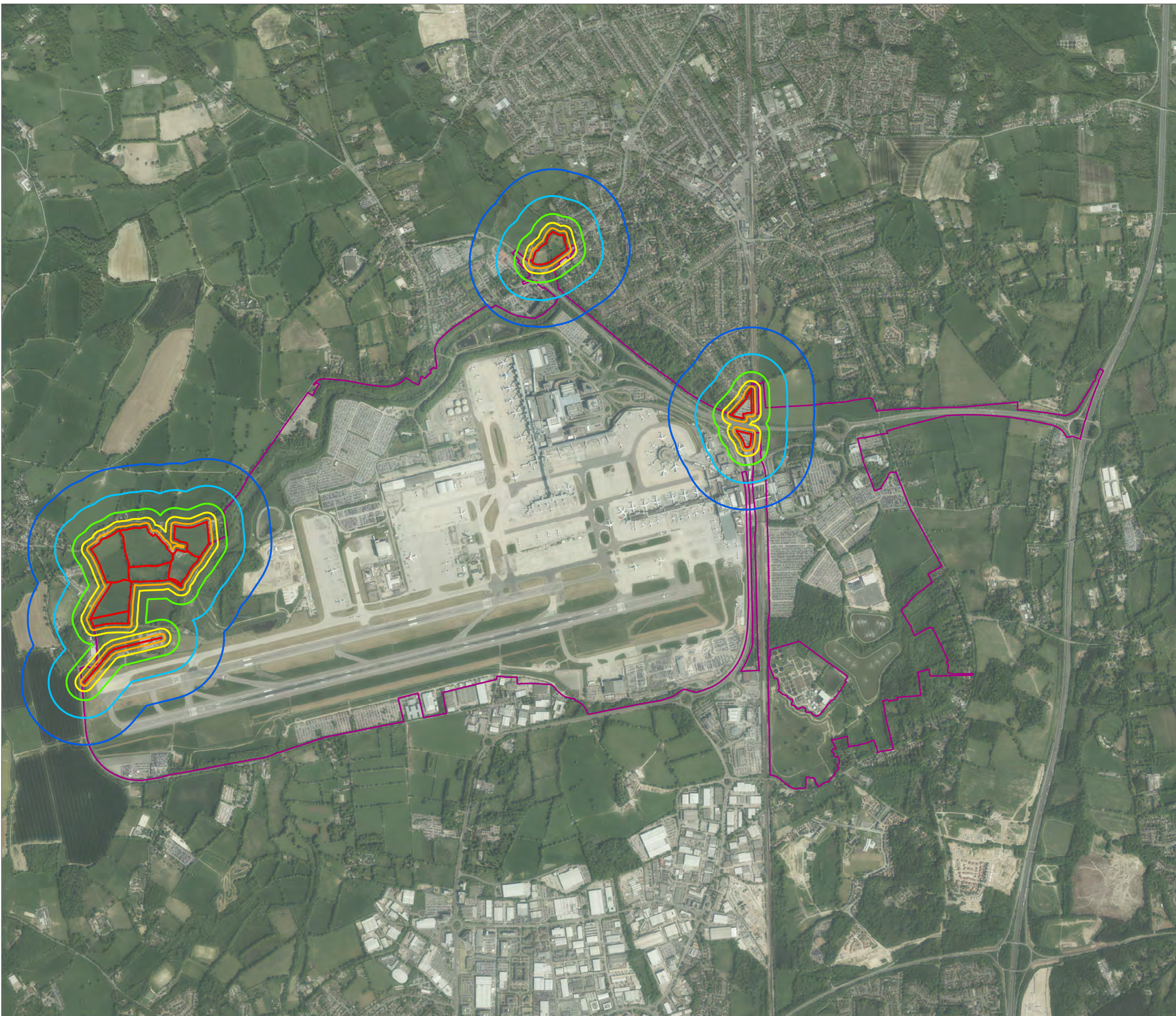
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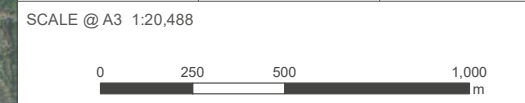
- Project Site Boundary (PEIR)
- Environmental Mitigation Area
- 20m Buffer
- 50m Buffer
- 100m Buffer
- 200m Buffer
- 350m Buffer

DOCUMENT  
**Preliminary Environmental Information Report**

DRAWING TITLE  
**Construction Dust Buffers for Environmental Mitigation Areas**

DATE  
**September 2021**





	DRAWING NO. <b>FIGURE 13.9.11</b>	REVISION <b>For PEIR Issue</b>
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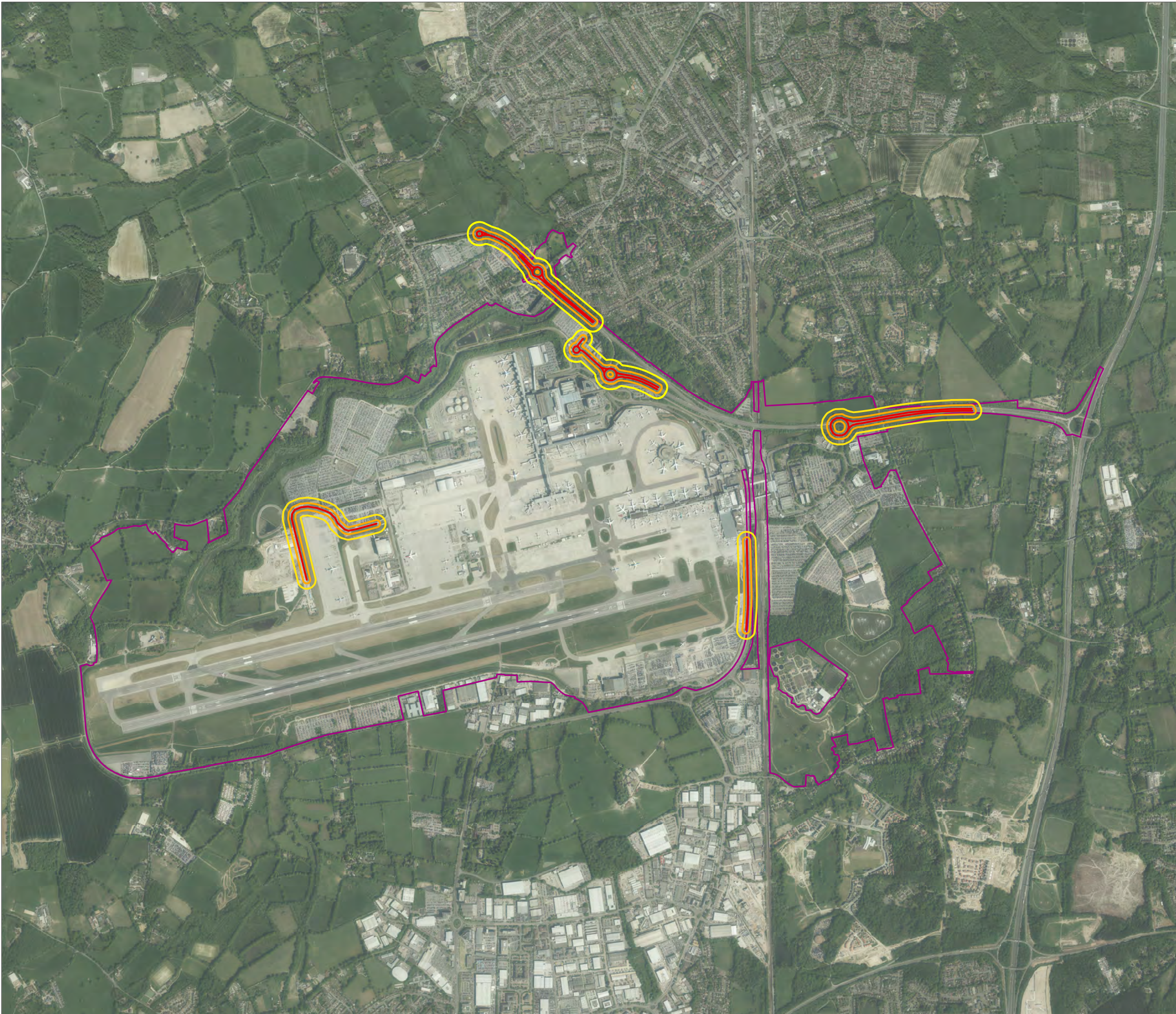


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-  Project Site Boundary (PEIR)
-  Trackout Route
-  20m Buffer
-  50m Buffer




DOCUMENT  
**Preliminary Environmental  
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DRAWING TITLE  
**Construction Dust Buffers  
for Trackout**

DATE  
**September 2021**

 N	DRAWING NO. <b>FIGURE 13.9.12</b>	REVISION <b>For PEIR Issue</b>
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SCALE @ A3 1:20,488



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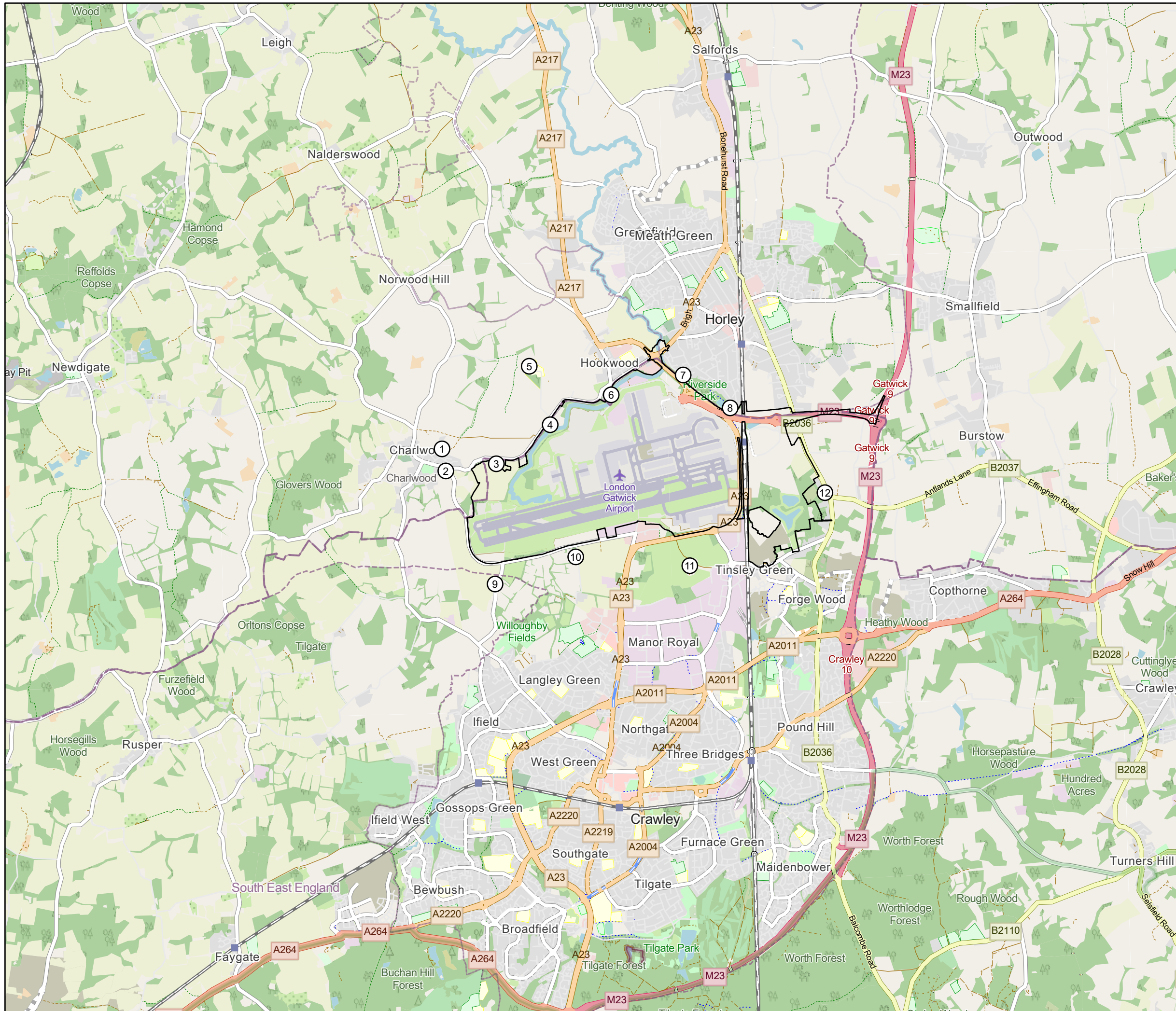
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KEY

- Baseline Noise Monitoring Sites
- ▭ Project Site Boundary - PEIR

- 1 - Blue Cedars
- 2 - 3 Charlwood Road
- 3 - Brook Farm
- 4 - Bear and Bunny Nursery
- 5 - April Cottage
- 6 - Oakfield Cottage
- 7 - 103 Cheyne Walk
- 8 - 82 The Crescent
- 9 - Hyders Farm House
- 10 - Myrtle Cottage
- 11 - Rowley Farmhouse
- 12 - Trent House



DOCUMENT

PEIR

DRAWING TITLE

Baseline Noise Monitoring Sites

DATE

September 2021

ORIENTATION



DRAWING NO.

14.4.1

REVISION

For PEIR Issue

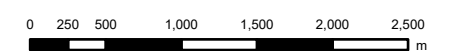
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JS

PM / CHECKED BY

SM

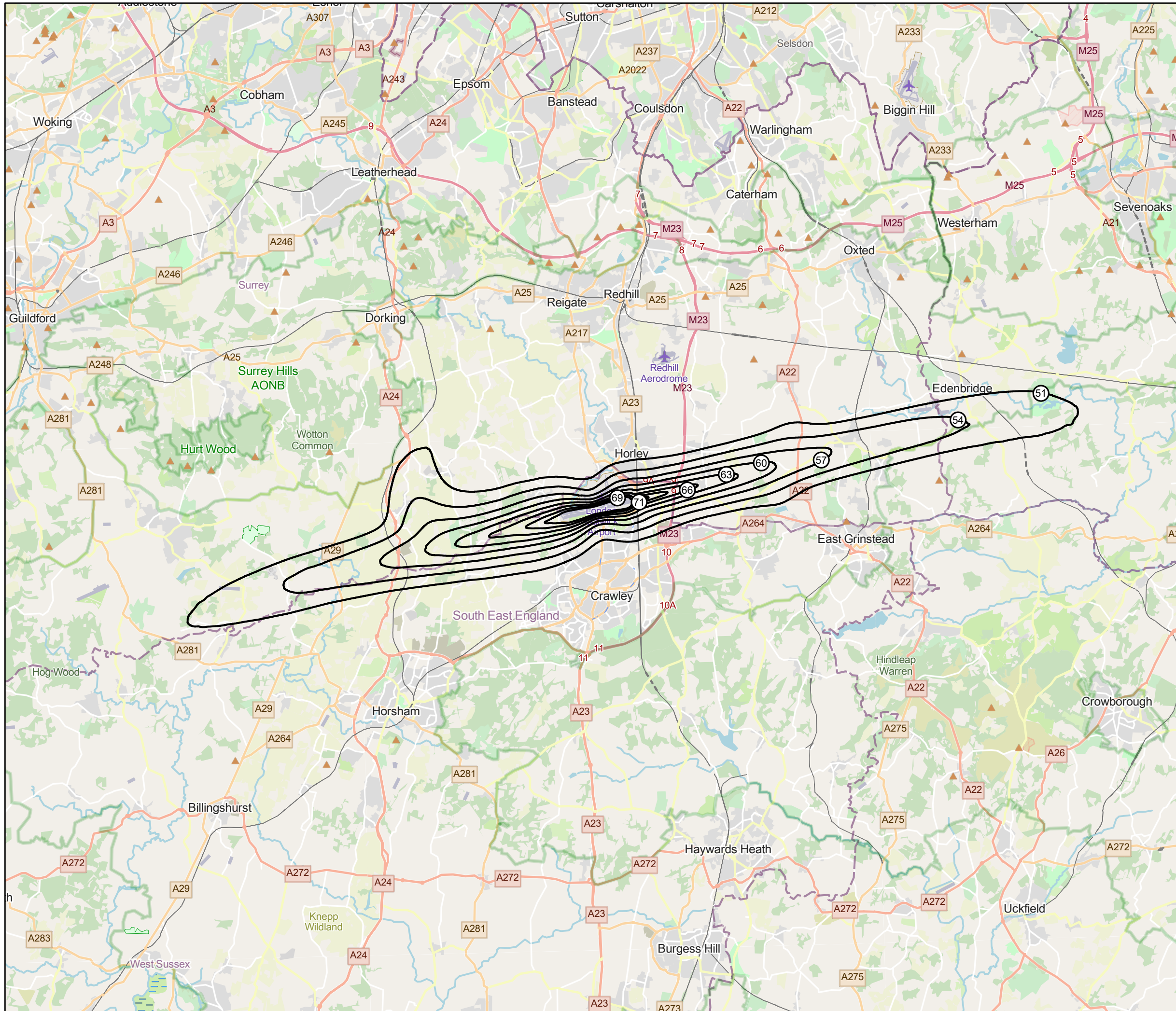
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 Datum: OSGB 1936  
 Projection: Transverse Mercator



KEY



DOCUMENT

PEIR

DRAWING TITLE

2019 Air Noise Baseline  $L_{eq}$  16 hr

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.1

REVISION

For PEIR Issue

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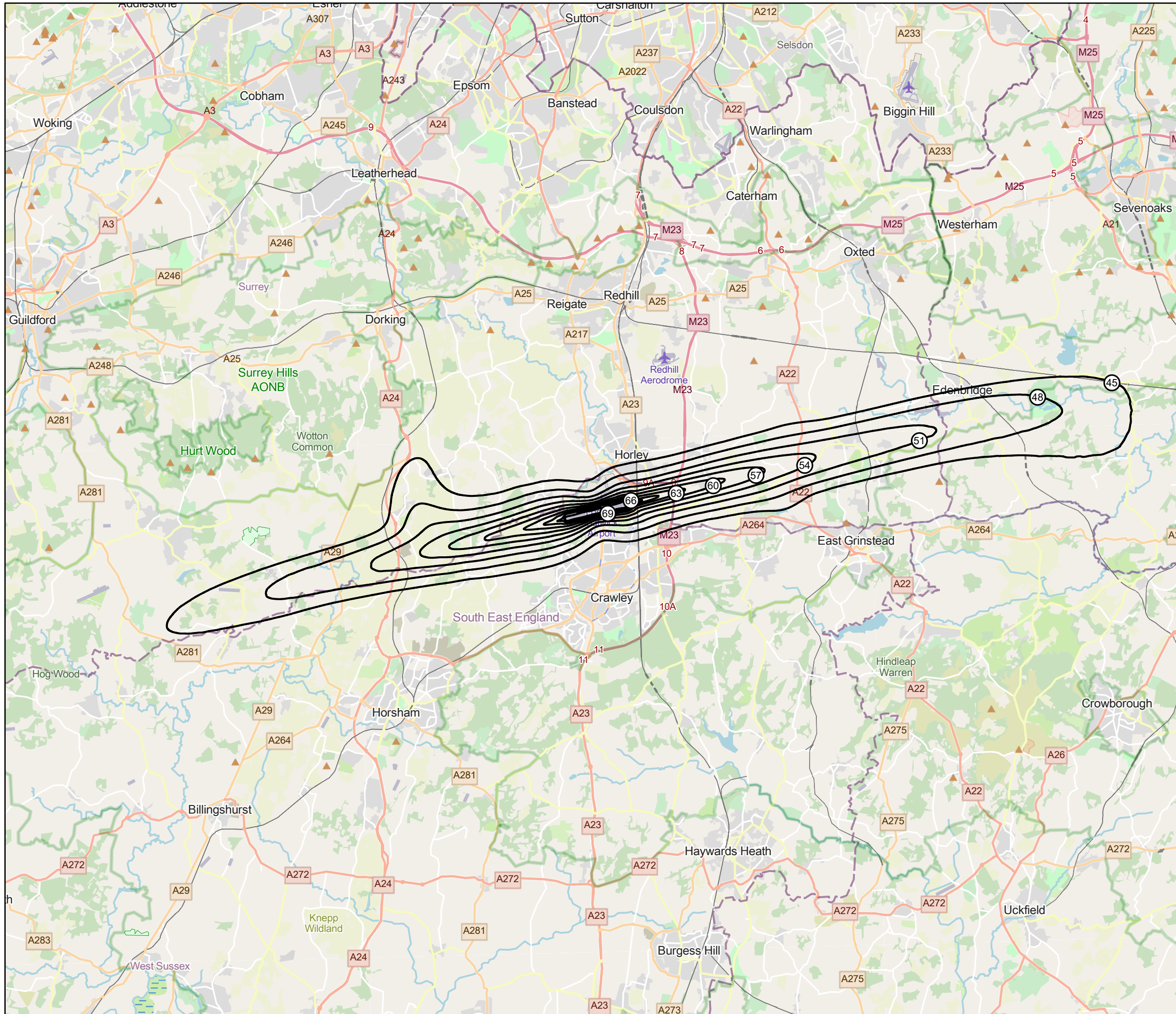
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 Spatial Reference  
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 Datum: OSGB 1936  
 Projection: Transverse Mercator



KEY



DOCUMENT

PEIR

DRAWING TITLE

2019 Air Noise Baseline  $L_{eq} 8 \text{ hr Night}$

DATE

September 2021

ORIENTATION



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14.6.2

REVISION

For PEIR Issue

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Datum: OSGB 1936  
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KEY

DOCUMENT

PEIR

DRAWING TITLE

2019 Air Noise Baseline N65 Day

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.3

REVISION

For PEIR Issue

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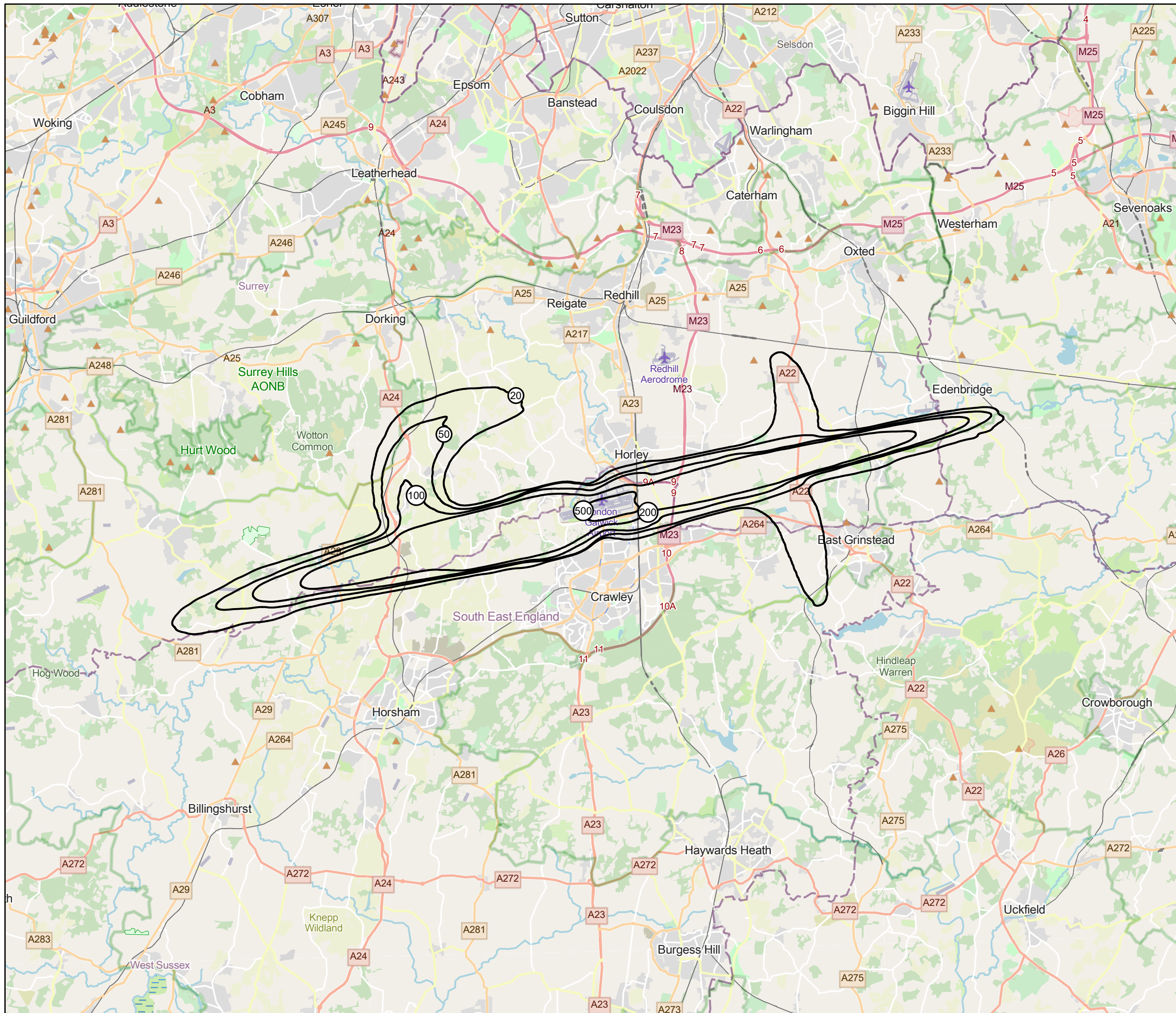
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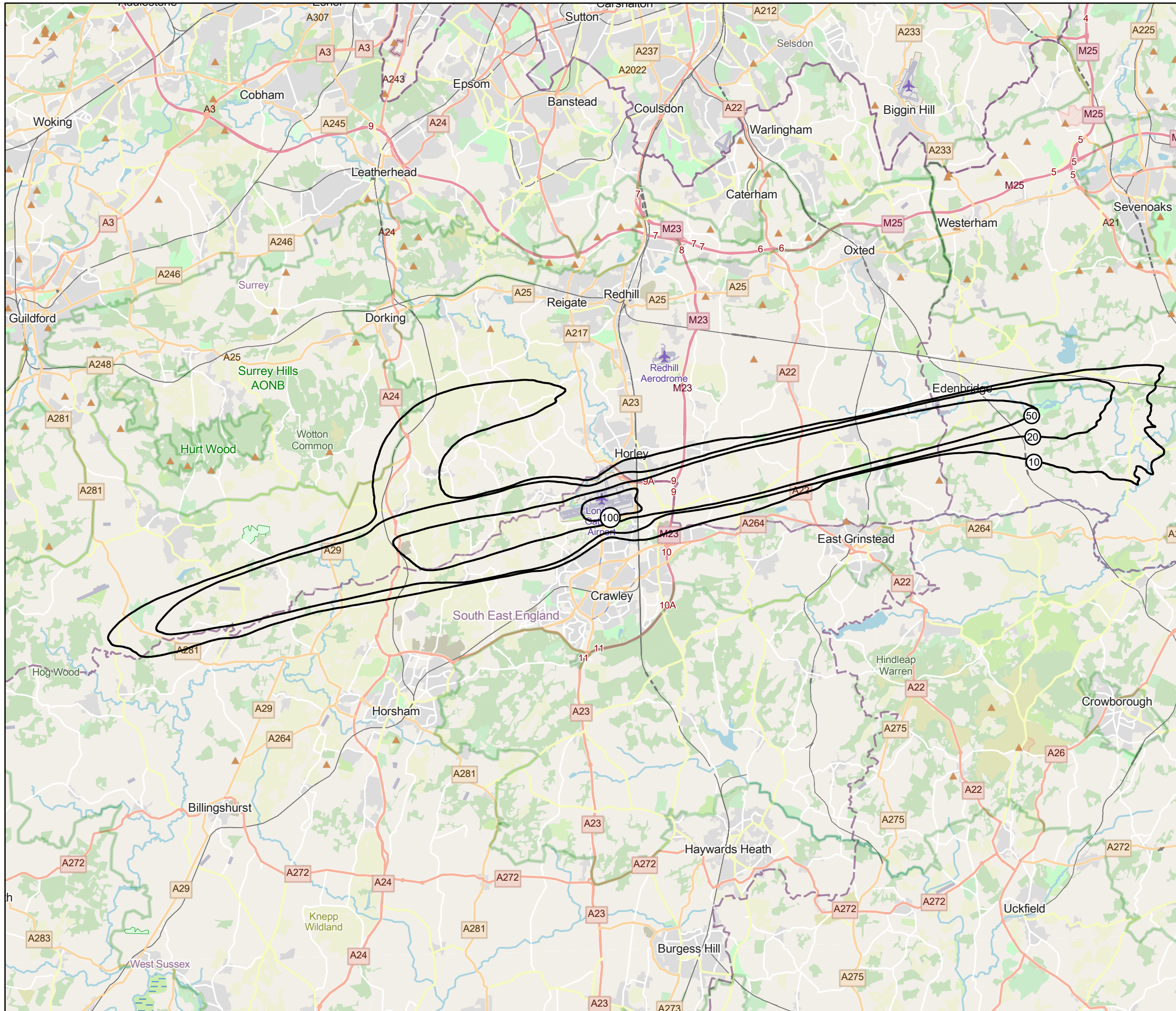


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KEY



DOCUMENT

PEIR

DRAWING TITLE

2019 Air Noise Baseline N60 Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.4

REVISION

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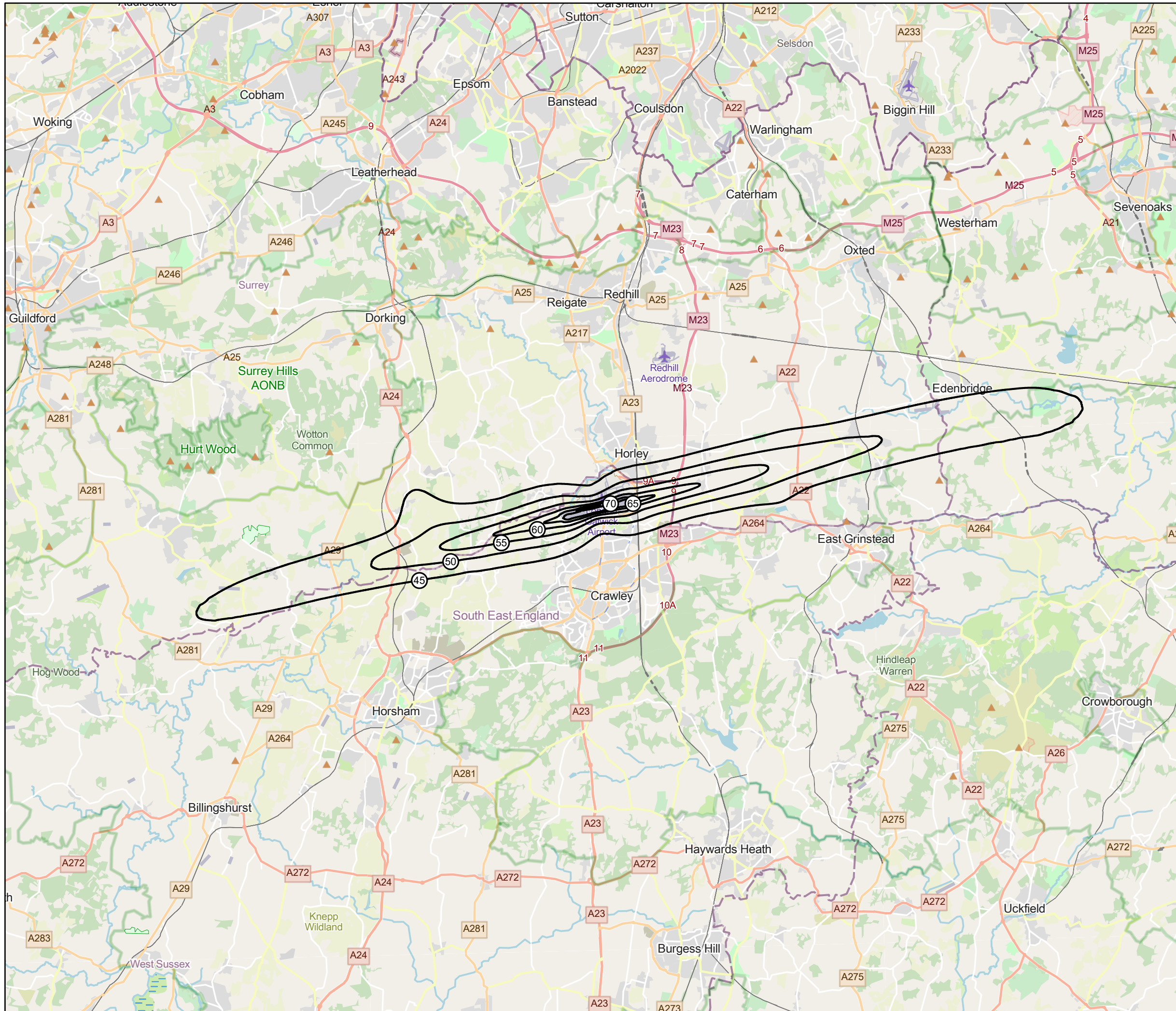
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KEY



DOCUMENT

PEIR

DRAWING TITLE

2019 Air Noise Baseline L<sub>Night</sub> Annual Average Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.6

REVISION

For PEIR Issue

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SCALE @ A3 1:400,000

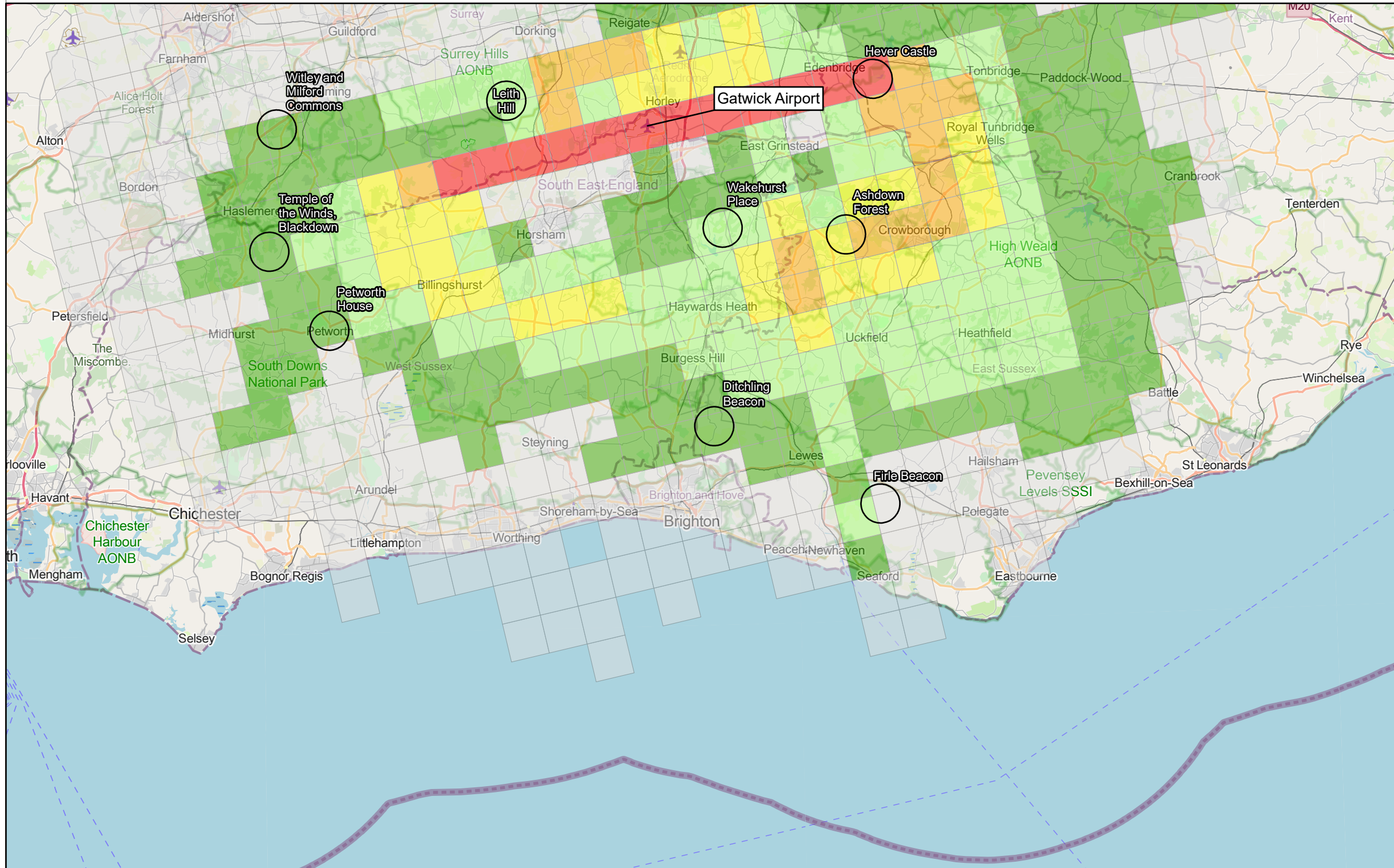


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Datum: OSGB 1936  
Projection: Transverse Mercator



KEY

- Landscape Assessment Location
- < 1 Overflights
- 1 - 10 Overflights
- 10 - 50 Overflights
- 50 - 100 Overflights
- 100 - 200 Overflights
- > 200 Overflights



DOCUMENT

PEIR

DRAWING TITLE

2018 Baseline Gatwick Overflights

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.7

REVISION

For PEIR Issue

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SCALE @ A3 1:400,000



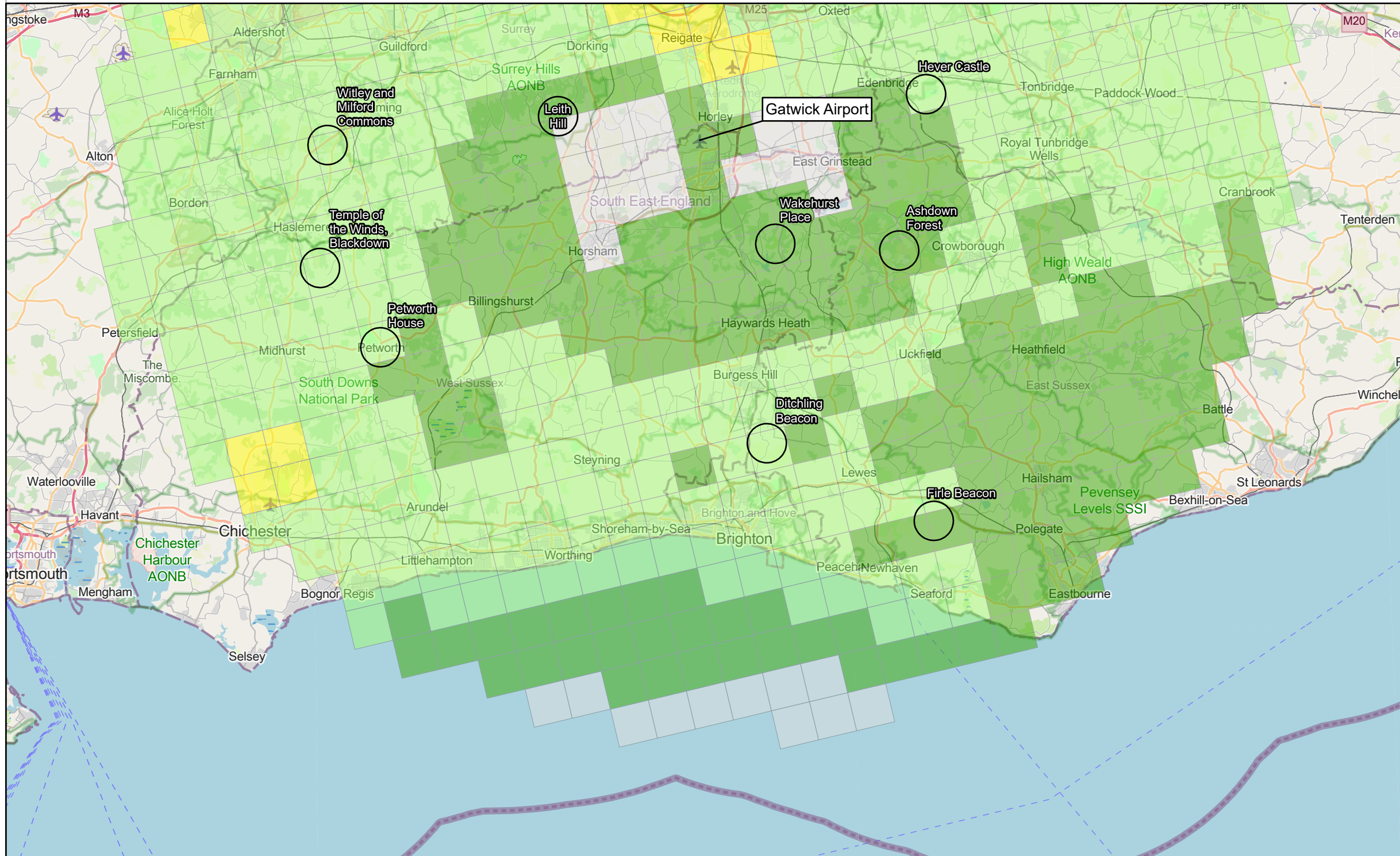
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Datum: OSGB 1936  
Projection: Transverse Mercator



KEY

- Landscape Assessment Location
- < 1 Overflights
- 1 - 10 Overflights
- 10 - 50 Overflights
- 50 - 100 Overflights
- 100 - 200 Overflights
- > 200 Overflights



DOCUMENT

PEIR

DRAWING TITLE

2018 Baseline Non-Gatwick Overflights

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.8

REVISION

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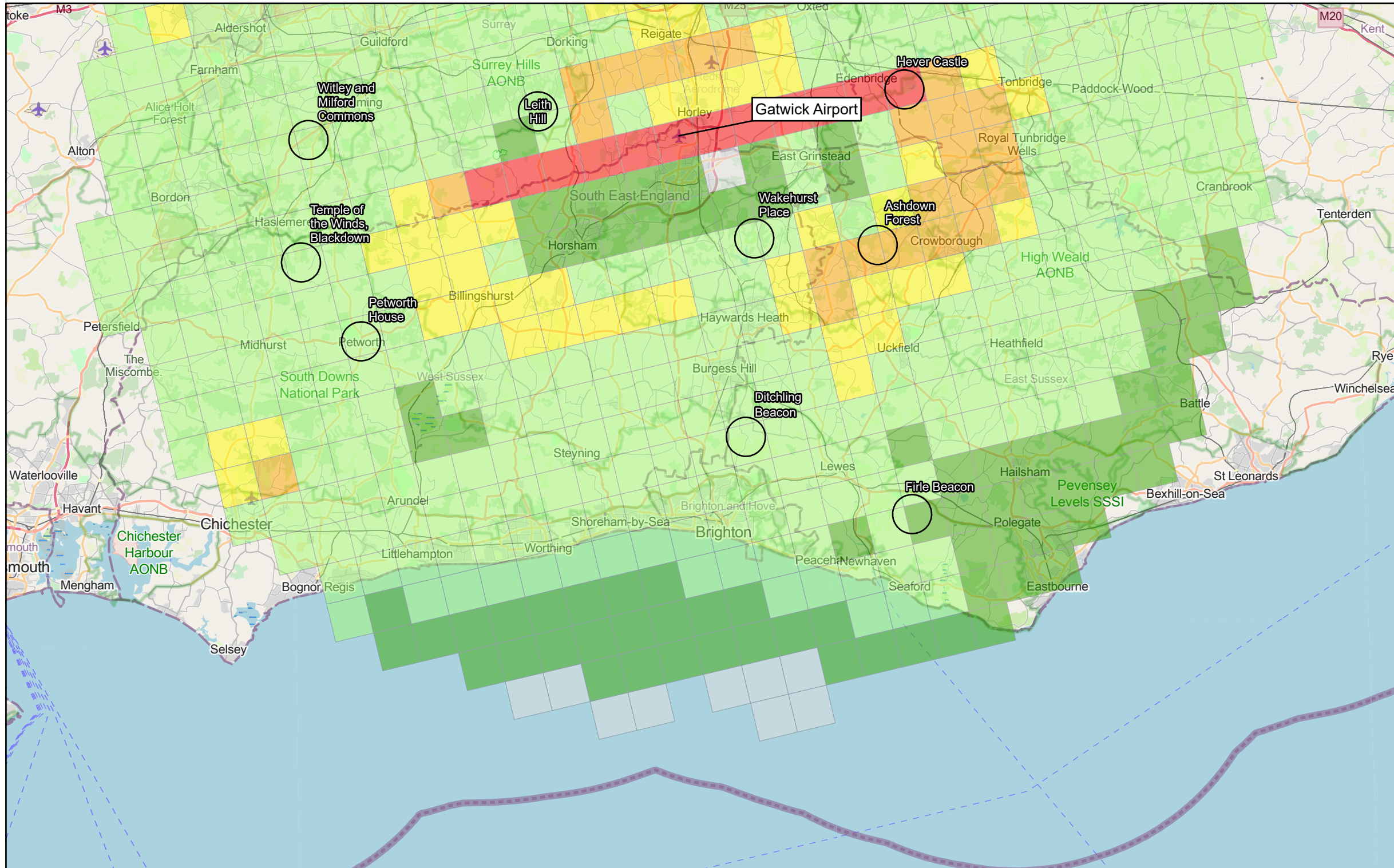
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Name: British National Grid  
Datum: OSGB 1936  
Projection: Transverse Mercator





**KEY**

- Landscape Assessment Location
- < 1 Overflights
- 1 - 10 Overflights
- 10 - 50 Overflights
- 50 - 100 Overflights
- 100 - 200 Overflights
- > 200 Overflights

DOCUMENT

PEIR

DRAWING TITLE

2018 Baseline All Airport Overflights

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.9

REVISION

For PEIR Issue

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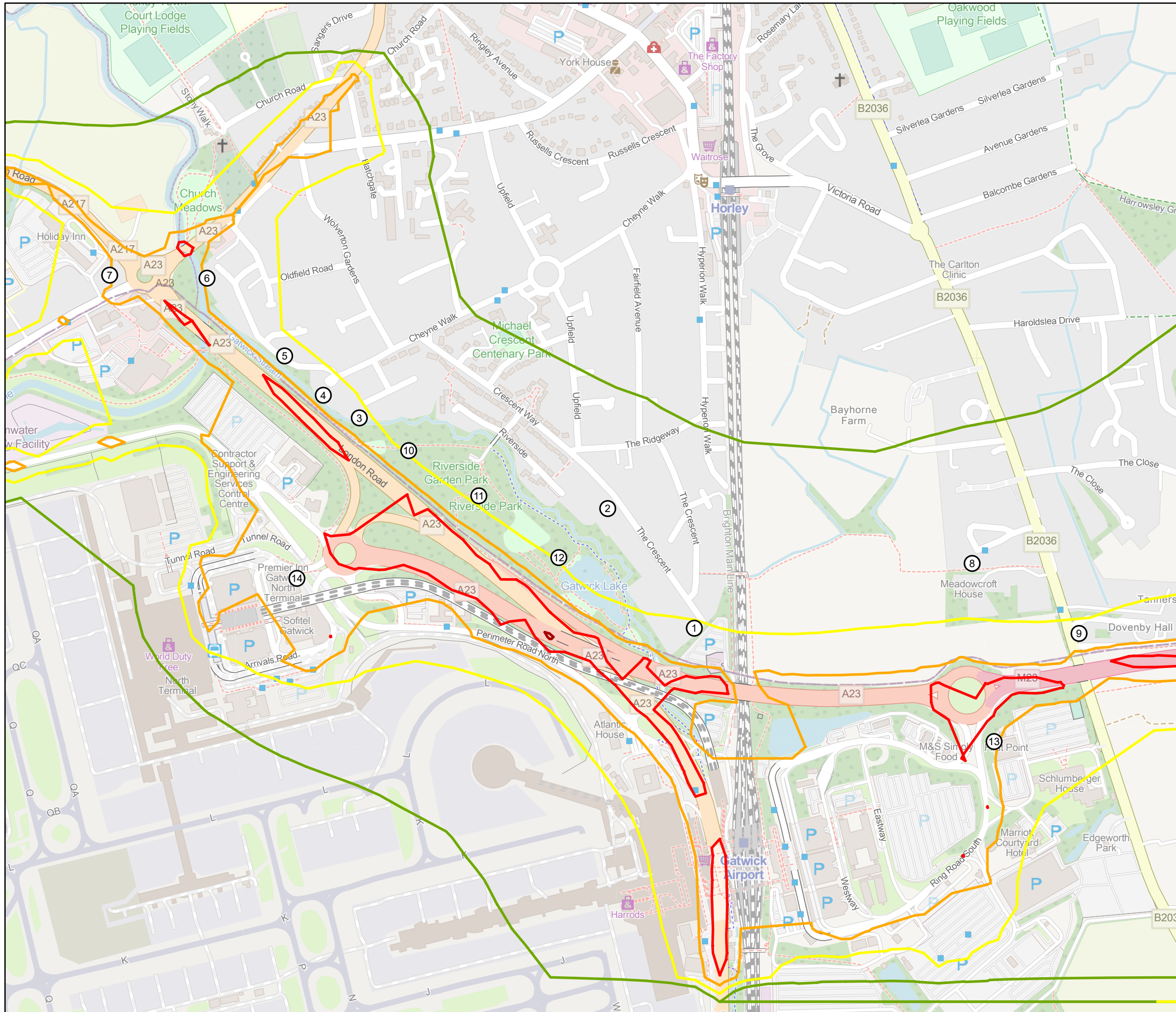
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**KEY**

- 55 L<sub>A10</sub>, 18HR dB
- 60 L<sub>A10</sub>, 18HR dB
- 65 L<sub>A10</sub>, 18HR dB
- 70 L<sub>A10</sub>, 18HR dB
- 75 L<sub>A10</sub>, 18HR dB
- 80 L<sub>A10</sub>, 18HR dB
- Receptors

Number	Name
1	The Crescent East
2	The Crescent West
3	Woodroyd Gardens
4	Cheyne Walk
5	Longbridge Road East
6	Longbridge Road West
7	Povey Cross Road
8	Meadowcroft Close
9	B20356 Balcombe Road
10	Riverside Park North
11	Riverside Park Centre
12	Riverside Park South
13	First Point Office Building
14	Premier Inn

DOCUMENT  
**PEIR**

DRAWING TITLE  
**2018 Baseline Road Traffic Noise Levels**

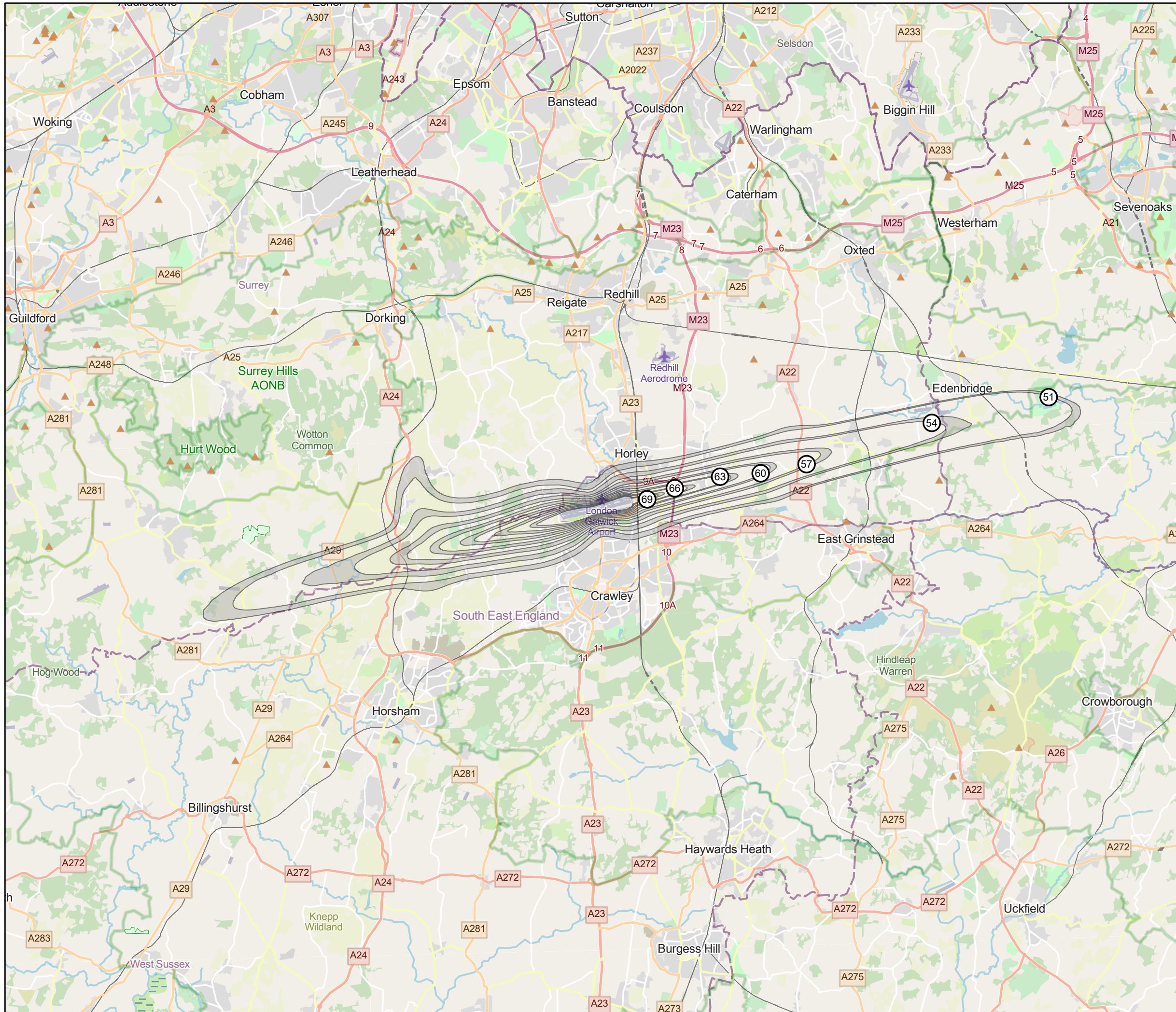
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	ORIENTATION	DRAWING NO. <b>14.6.10</b>	REVISION <b>For PEIR Issue</b>
		DRAWN BY <b>JS</b>	PM / CHECKED BY <b>SM</b>

SCALE @ A3 1:7,500  
0 125 250 500 m

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Spatial Reference  
Name: British National Grid  
Datum: OSGB 1936  
Projection: Transverse Mercator





YOUR LONDON AIRPORT  
*Gatwick*

KEY

Central Case and Slower  
Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2032 Air Noise Baseline  $L_{eq}$  16 hr

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.11

REVISION

For PEIR  
Issue

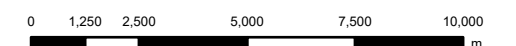
DRAWN BY

JS

PM / CHECKED BY

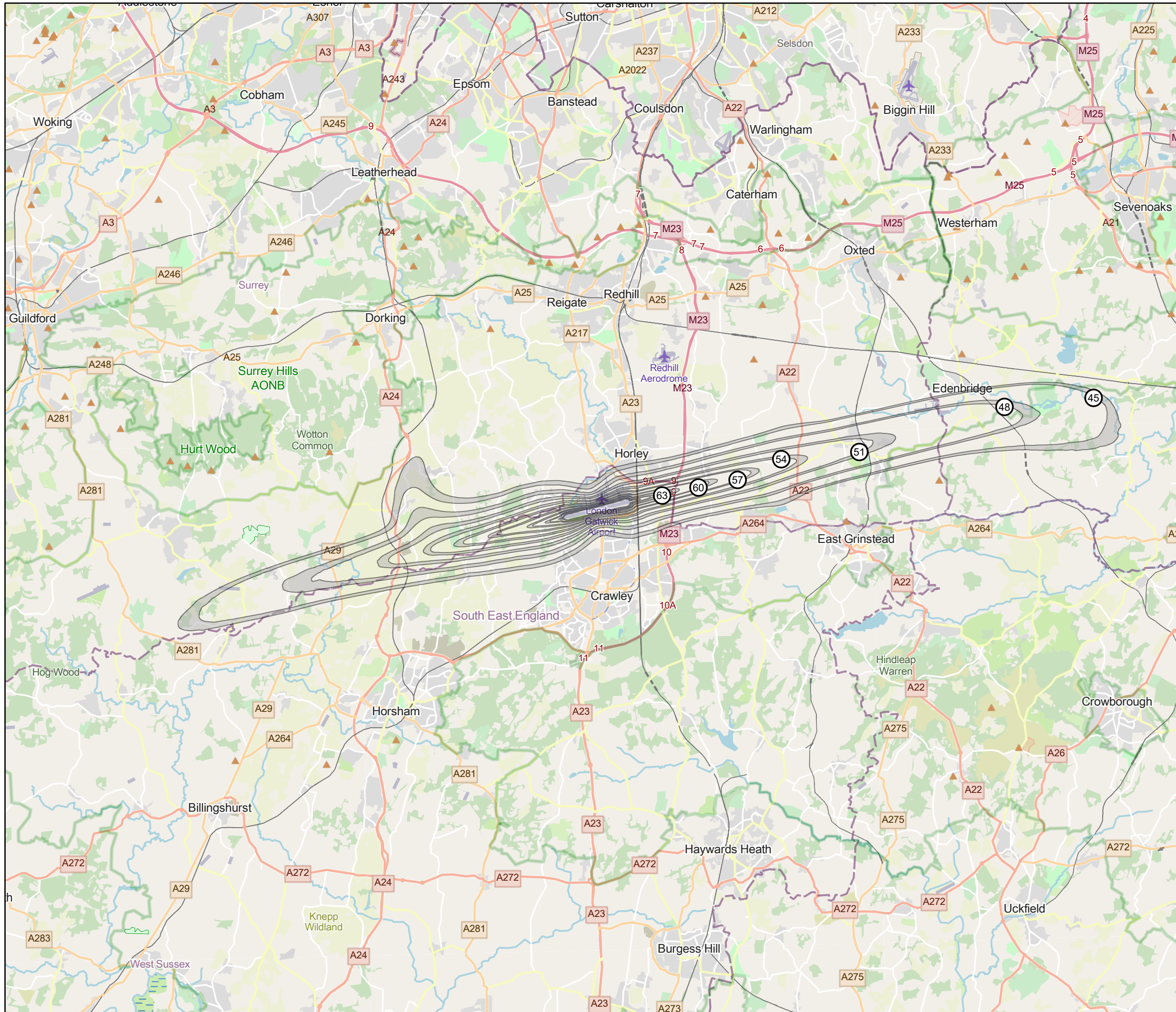
SM

SCALE @ A3 1:175,000

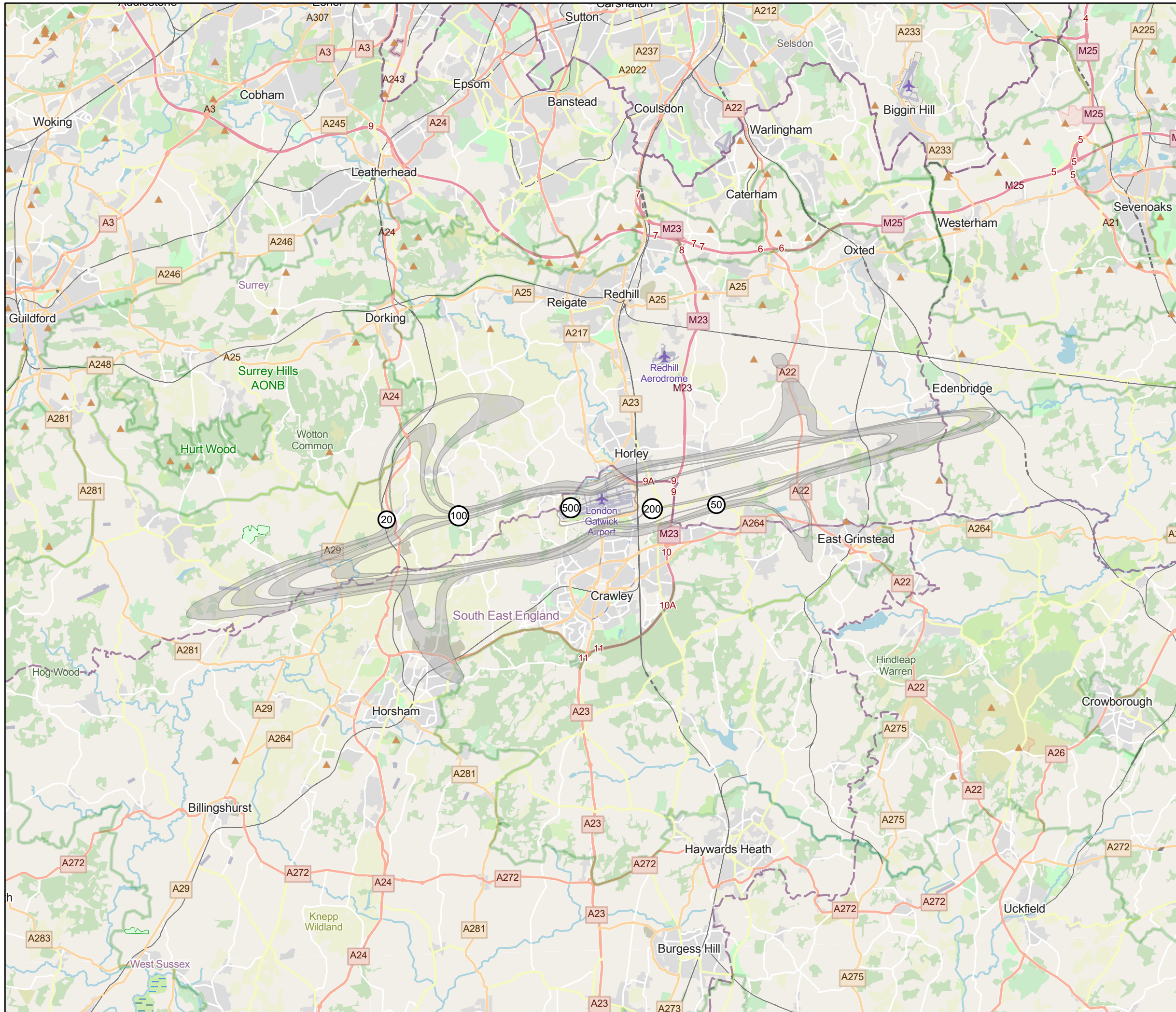


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Spatial Reference  
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Datum: OSGB 1936  
Projection: Transverse Mercator









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*Gatwick*

KEY

Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2032 Air Noise Baseline N65 Day

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.13

REVISION

For PEIR Issue

DRAWN BY

JS

PM / CHECKED BY

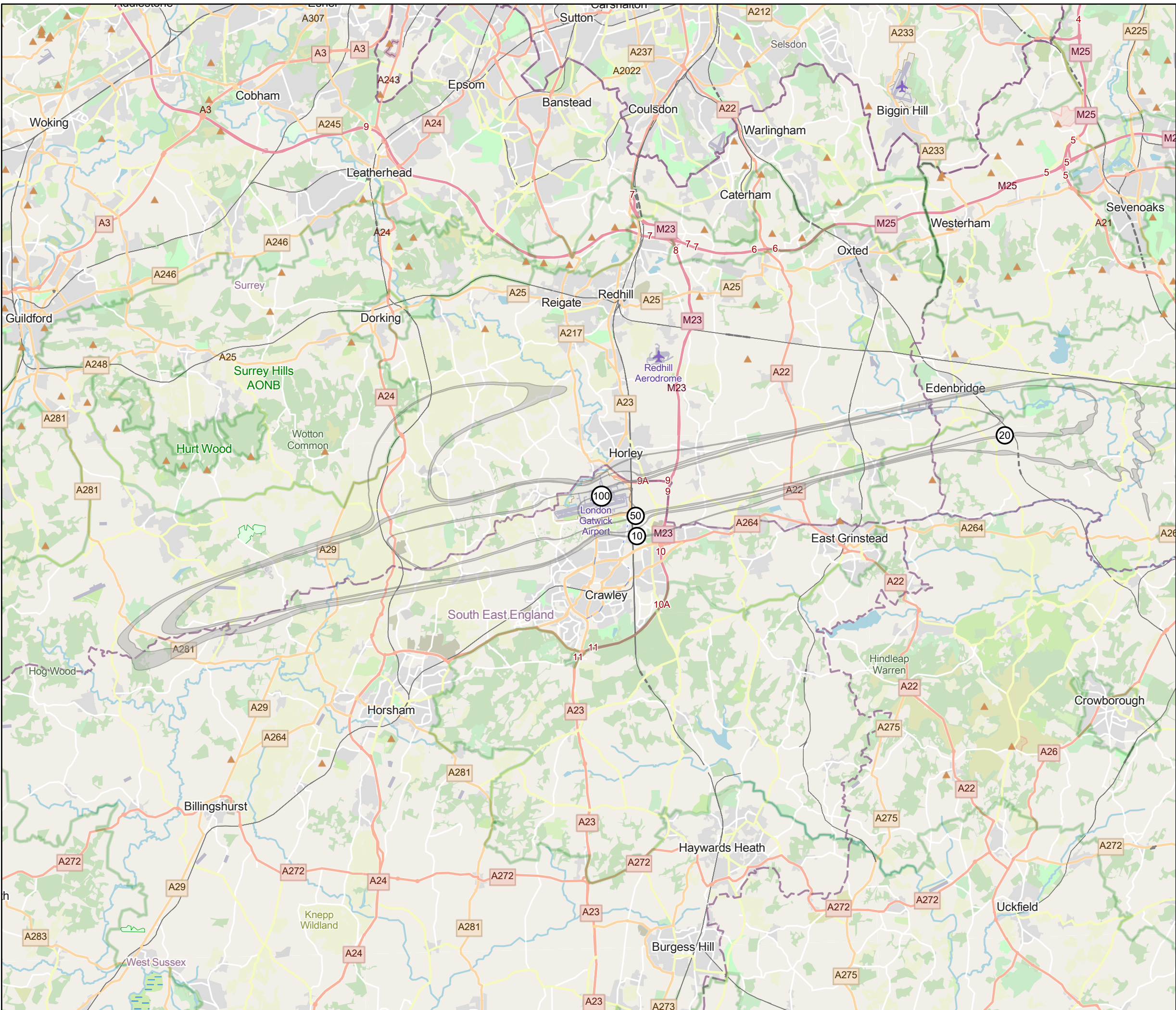
SM

SCALE @ A3 1:175,000



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 Datum: OSGB 1936  
 Projection: Transverse Mercator





YOUR LONDON AIRPORT  
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Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2032 Air Noise Baseline N60 Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.14

REVISION

For PEIR Issue

DRAWN BY

JS

PM / CHECKED BY

SM

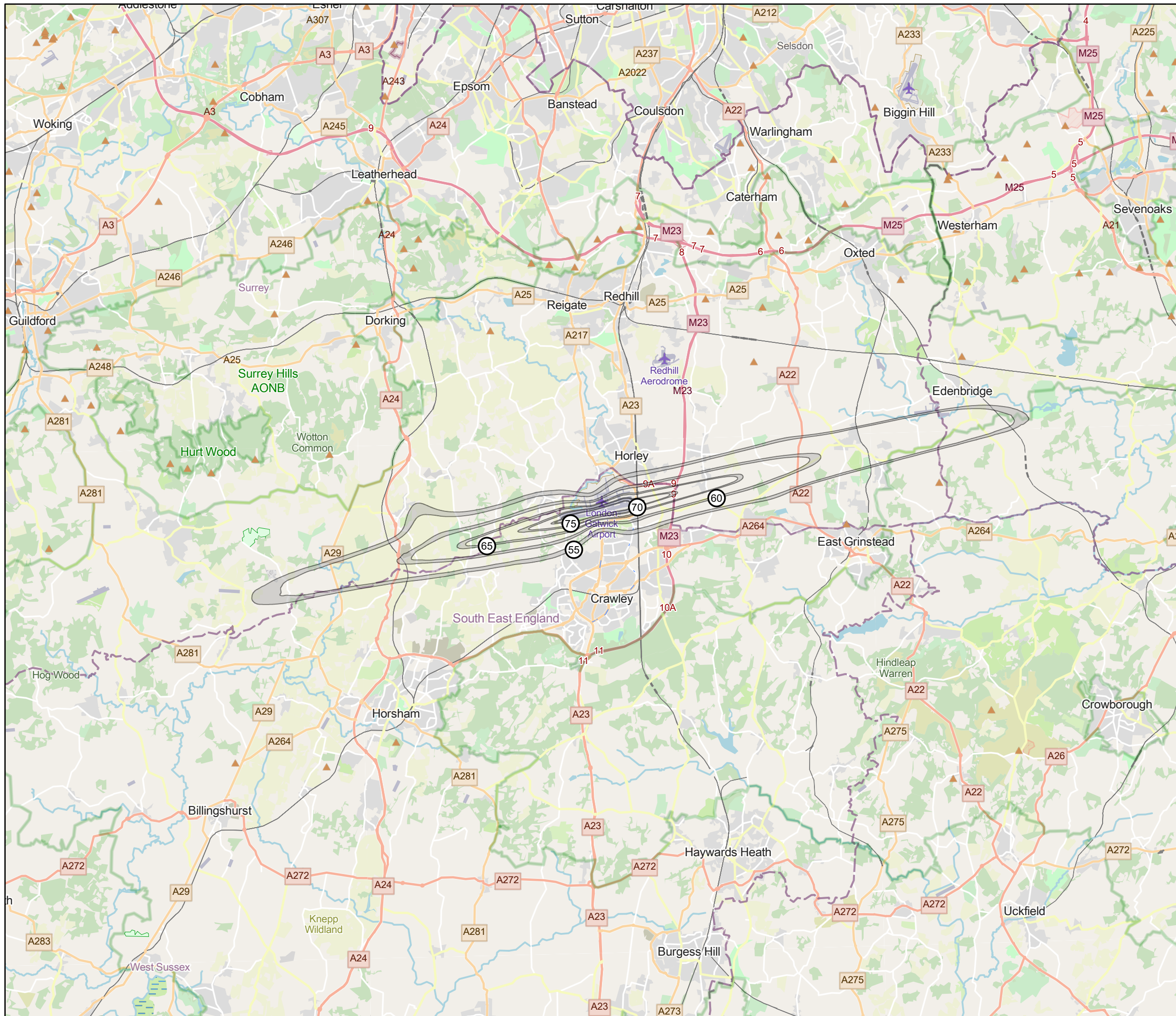
SCALE @ A3 1:175,000



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Spatial Reference  
Name: British National Grid  
Datum: OSGB 1996  
Projection: Transverse Mercator





YOUR LONDON AIRPORT  
*Gatwick*

KEY

Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2032 Air Noise Baseline L<sub>den</sub>  
Annual Average 24 Hour

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.15

REVISION

For PEIR  
Issue

DRAWN BY

WB

PM / CHECKED BY

SM

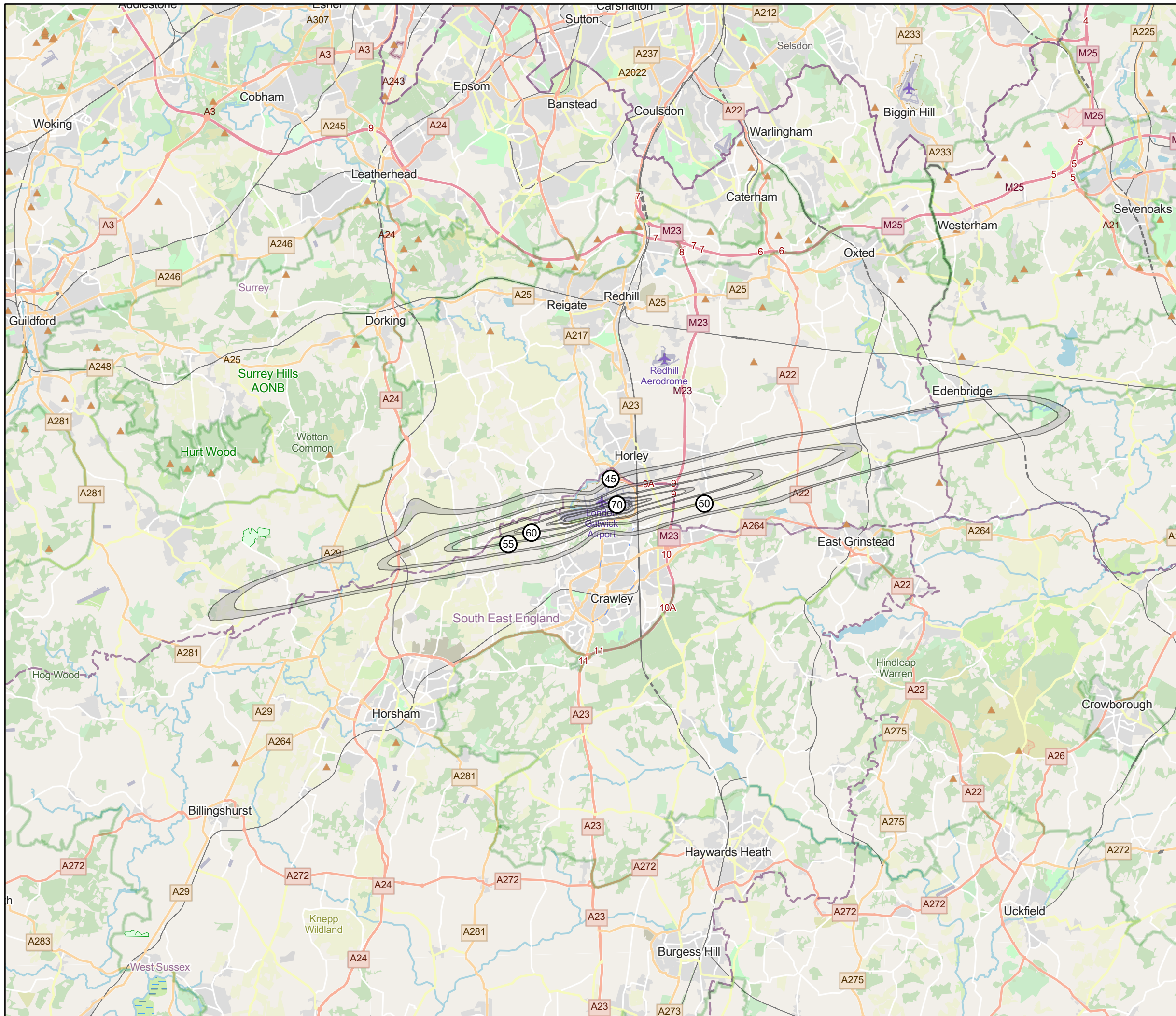
SCALE @ A3 1:175,000



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Datum: OSGB 1936  
Projection: Transverse Mercator





YOUR LONDON AIRPORT  
*Gatwick*

KEY

Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2032 Air Noise Baseline L<sub>Night</sub> Annual Average Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.16

REVISION

For PEIR Issue

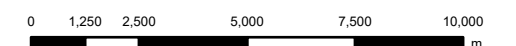
DRAWN BY

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PM / CHECKED BY

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SCALE @ A3 1:175,000



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Spatial Reference  
Name: British National Grid  
Datum: OSGB 1936  
Projection: Transverse Mercator





**KEY**

- 55 LA<sub>10</sub>, 18HR dB
- 60 LA<sub>10</sub>, 18HR dB
- 65 LA<sub>10</sub>, 18HR dB
- 70 LA<sub>10</sub>, 18HR dB
- 75 LA<sub>10</sub>, 18HR dB
- 80 LA<sub>10</sub>, 18HR dB
- Receptors

**Number Name**

- 1 **The Crescent East**
- 2 **The Crescent West**
- 3 **Woodroyd Gardens**
- 4 **Cheyne Walk**
- 5 **Longbridge Road East**
- 6 **Longbridge Road West**
- 7 **Povey Cross Road**
- 8 **Meadowcroft Close**
- 9 **B20356 Balcombe Road**
- 10 **Riverside Park North**
- 11 **Riverside Park Centre**
- 12 **Riverside Park South**
- 13 **First Point Office Building**
- 14 **Premier Inn**

DOCUMENT

PEIR

DRAWING TITLE

2032 Road Traffic Business as Usual Noise Levels

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.17

REVISION

For PEIR Issue

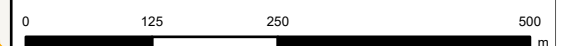
DRAWN BY

JS

PM / CHECKED BY

SM

SCALE @ A3 1:7,500

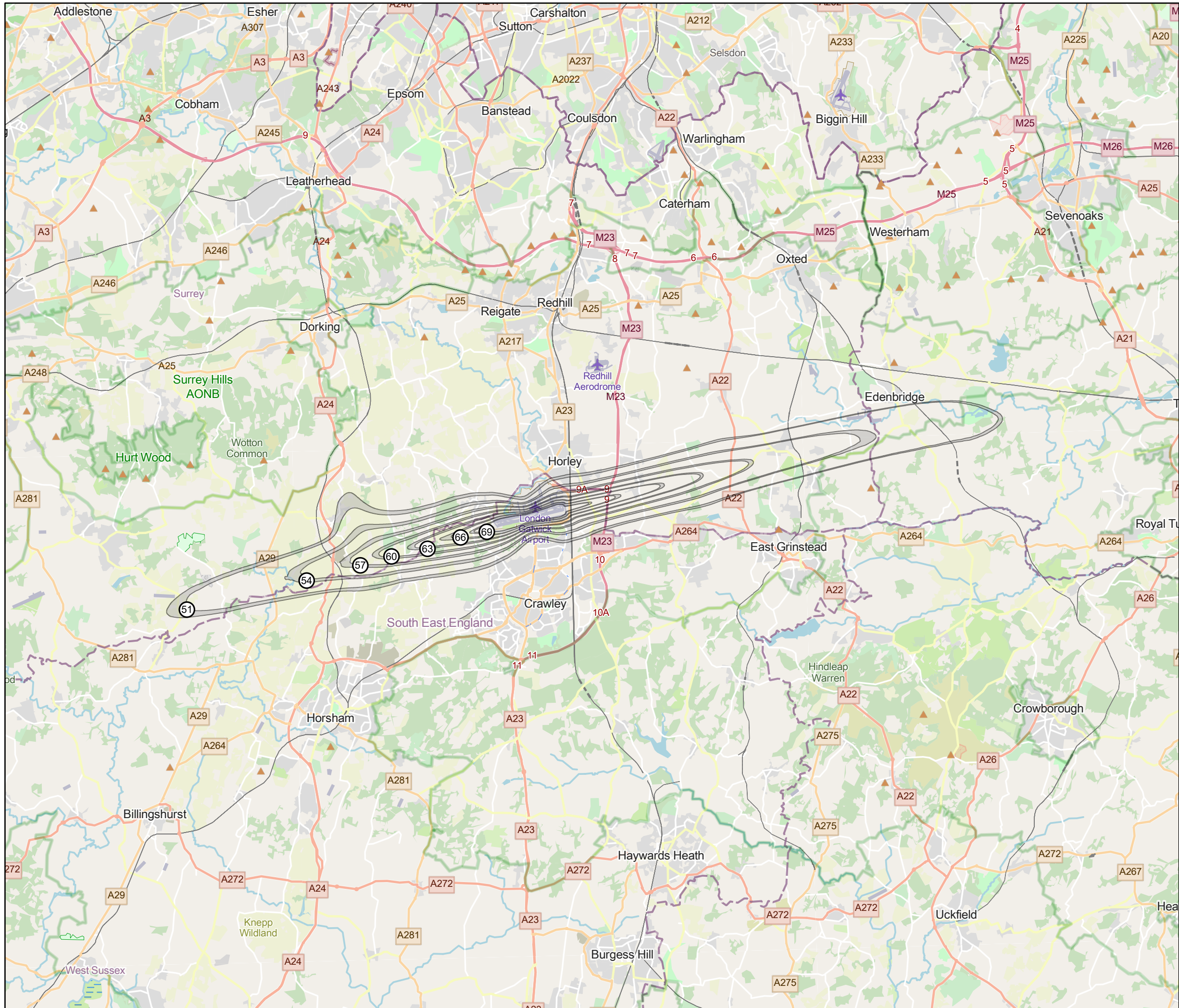


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Projection: Transverse Mercator





KEY

Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline  $L_{eq}$  16 hr

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.18

REVISION

For PEIR Issue

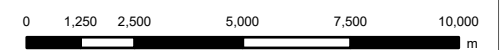
DRAWN BY

JS

PM / CHECKED BY

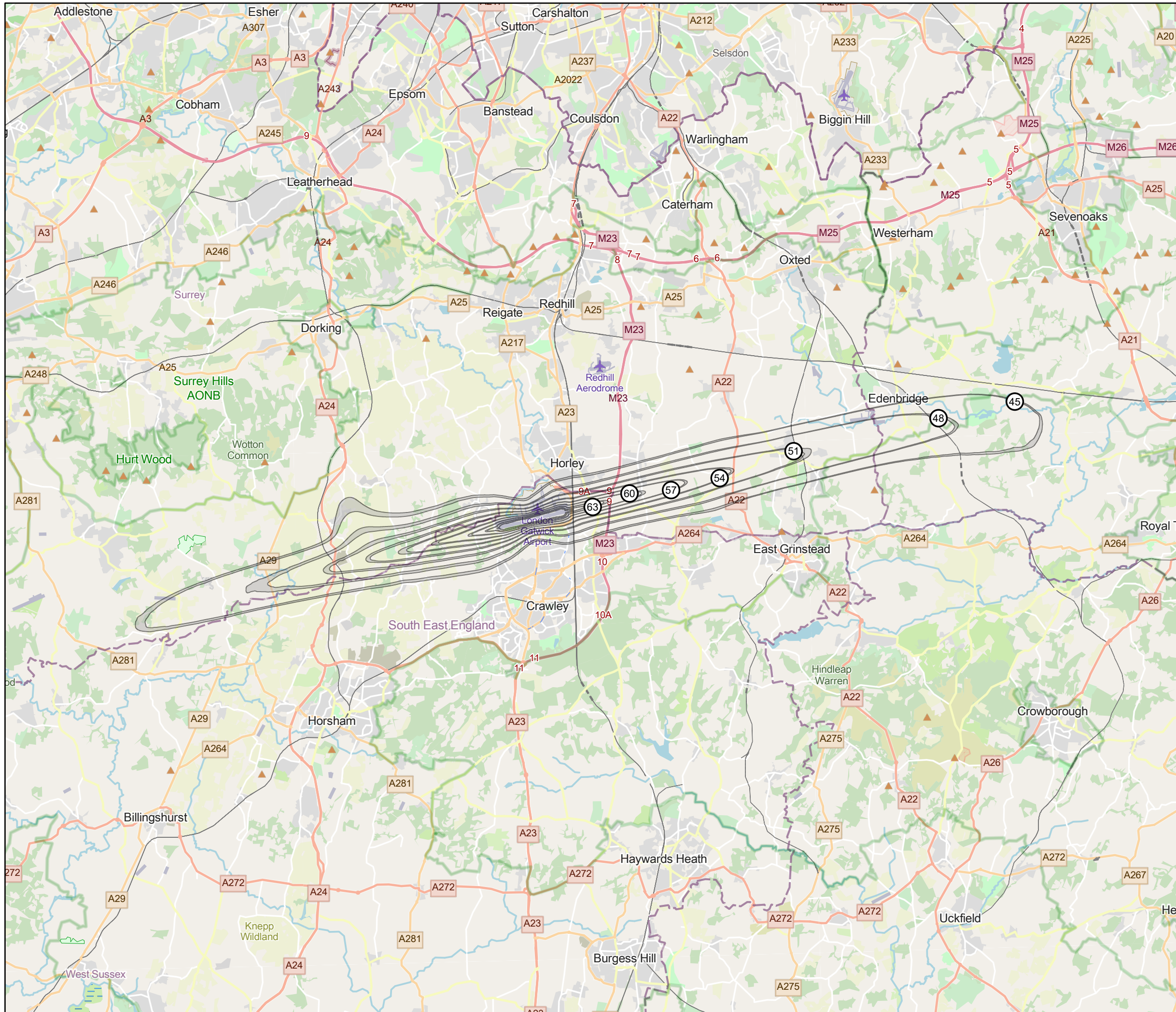
SM

SCALE @ A3 1:175,000



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*Gatwick*

KEY

Central Case and Slower  
Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline, Leq, 8 hr Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.19

REVISION

For PEIR  
Issue

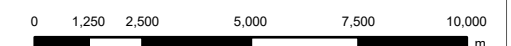
DRAWN BY

JS

PM / CHECKED BY

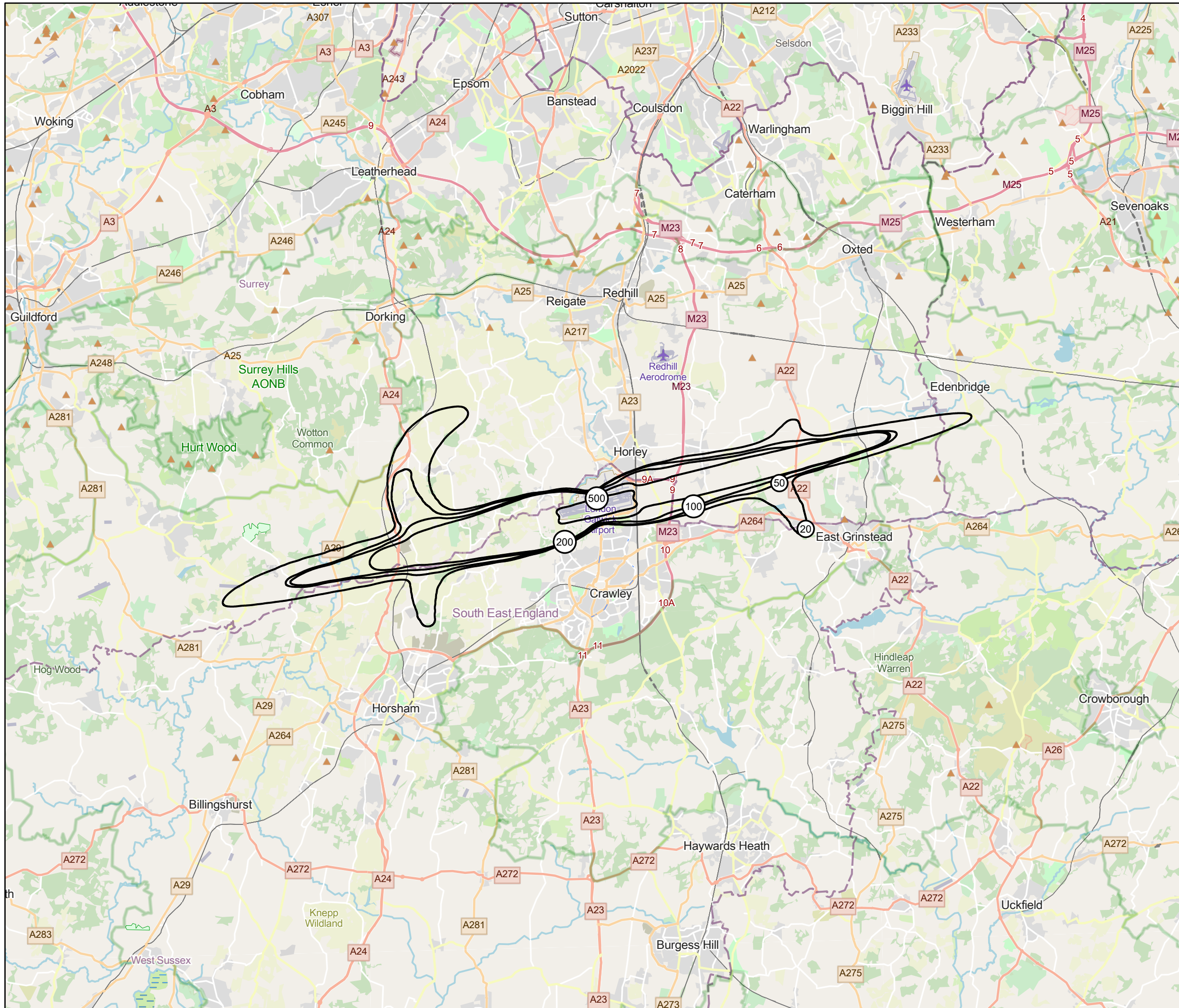
SM

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Datum: OSGB 1998  
Projection: Transverse Mercator





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KEY

— Central Case

DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline N65 Day

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.20

REVISION

For PEIR Issue

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SCALE @ A3 1:175,000

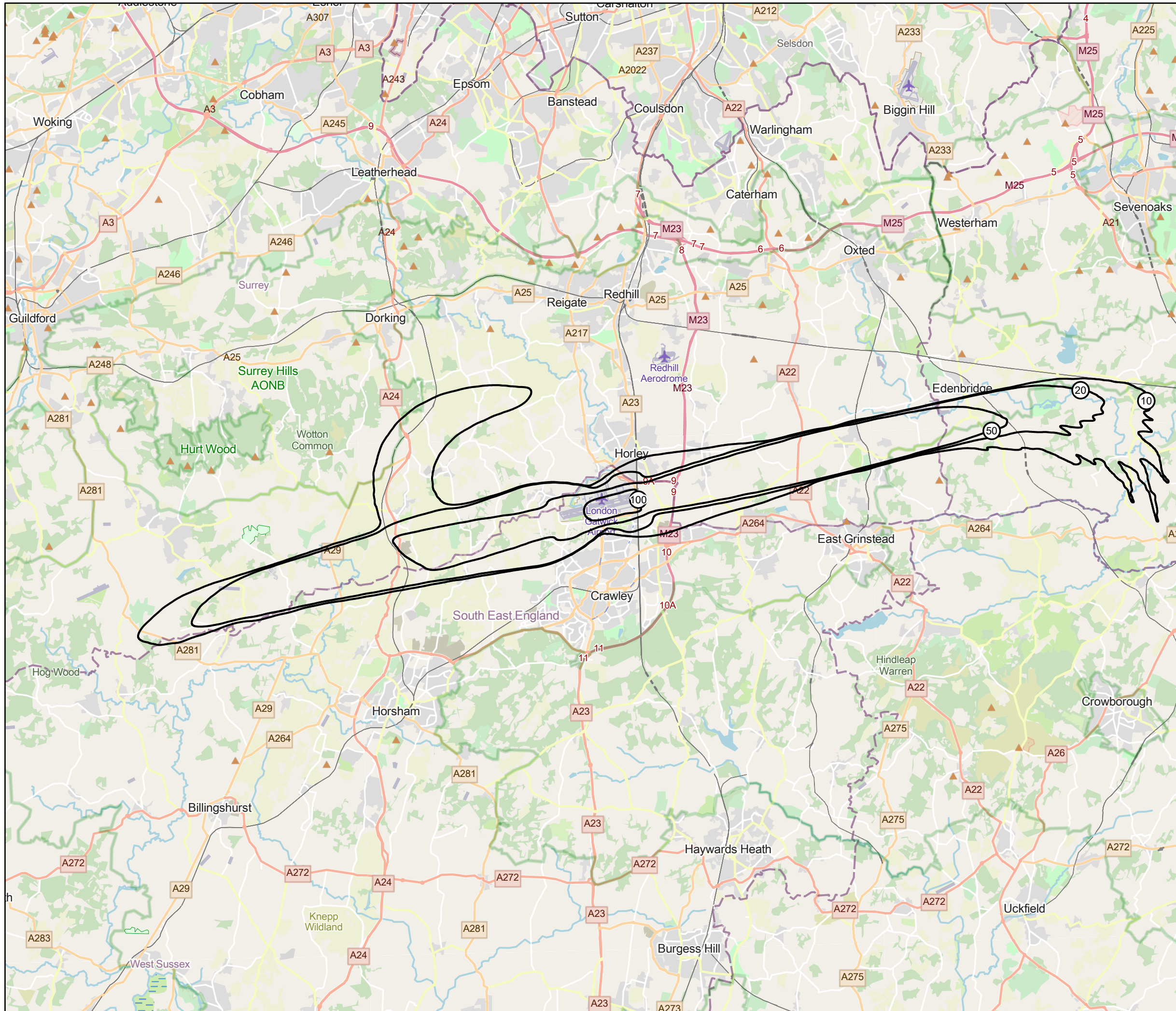


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 Projection: Transverse Mercator



KEY

— Central Case



DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline N60 Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.21

REVISION

For PEIR Issue

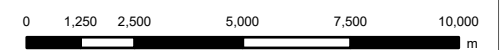
DRAWN BY

JS

PM / CHECKED BY

SM

SCALE @ A3 1:175,000

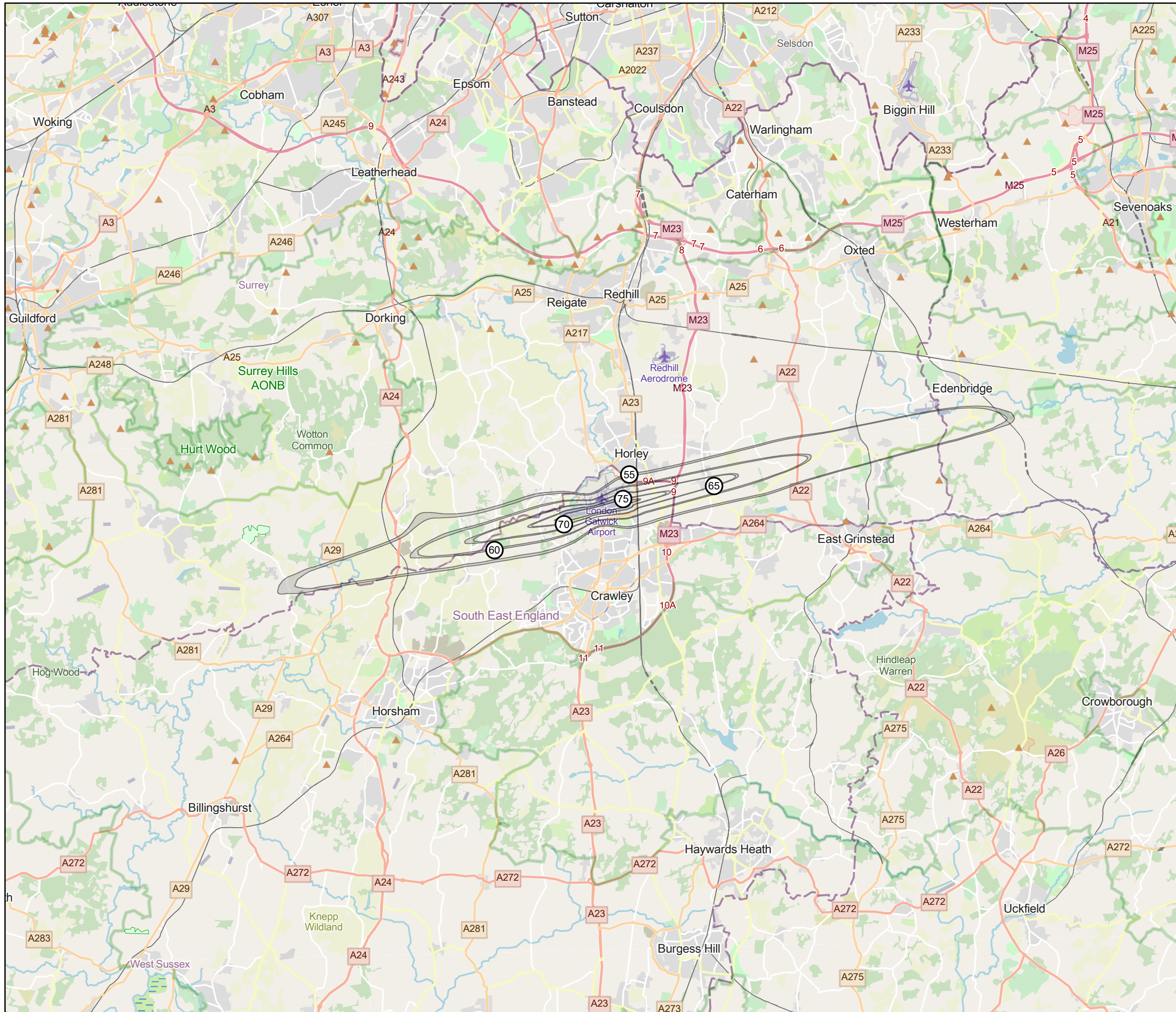


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Datum: OSGB 1996  
Projection: Transverse Mercator





YOUR LONDON AIRPORT  
*Gatwick*

KEY

Central Case and Slower Transition Fleet Case Range

DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline L<sub>den</sub>  
Annual Average 24 Hour

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.22

REVISION

For PEIR  
Issue

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SCALE @ A3 1:175,000



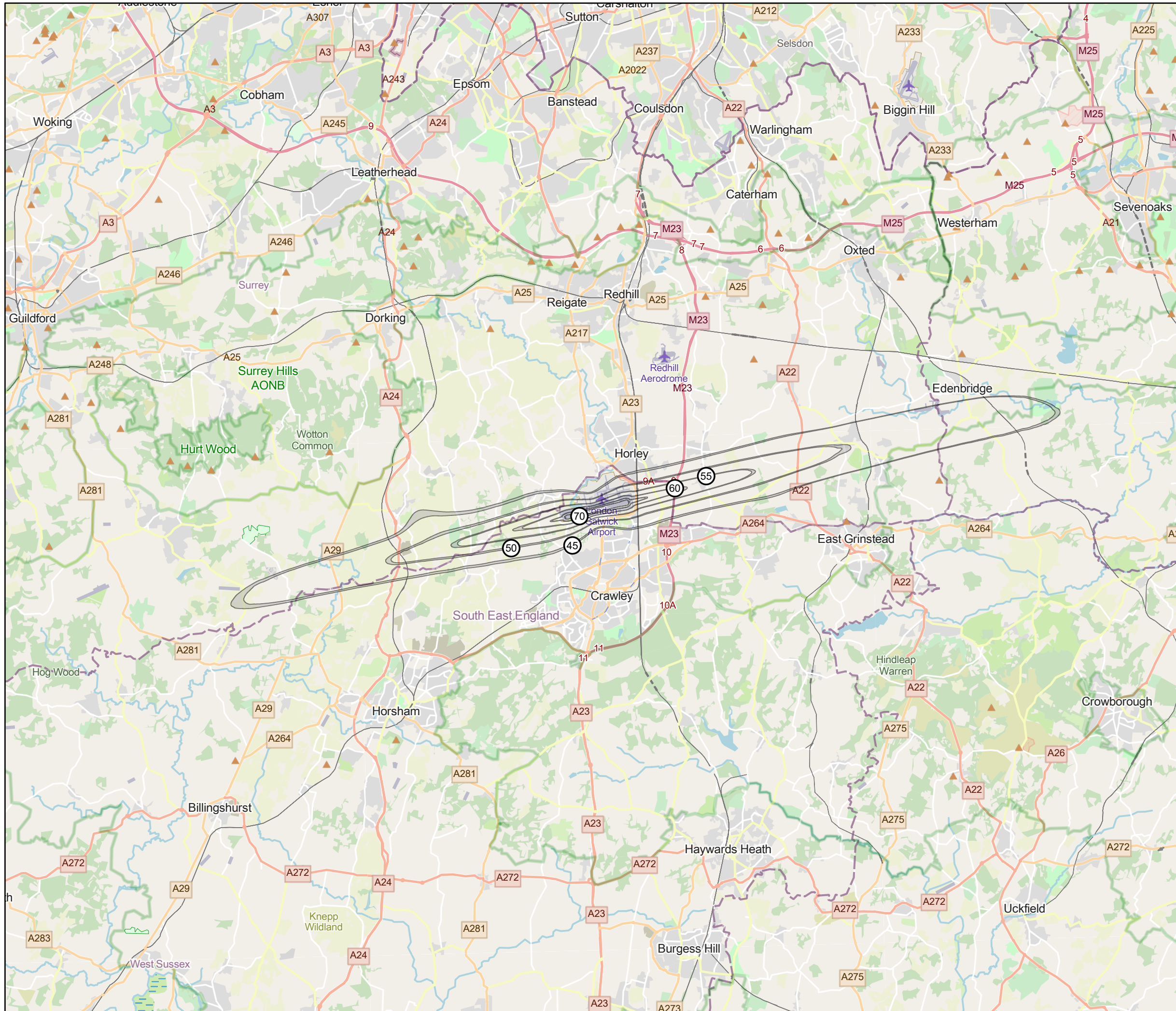
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Datum: OSGB 1936  
Projection: Transverse Mercator



KEY

Central Case and Slower Transition Fleet Case Range



DOCUMENT

PEIR

DRAWING TITLE

2038 Air Noise Baseline L<sub>Night</sub>  
Annual Average Night

DATE

September 2021

ORIENTATION



DRAWING NO.

14.6.23

REVISION

For PEIR  
Issue

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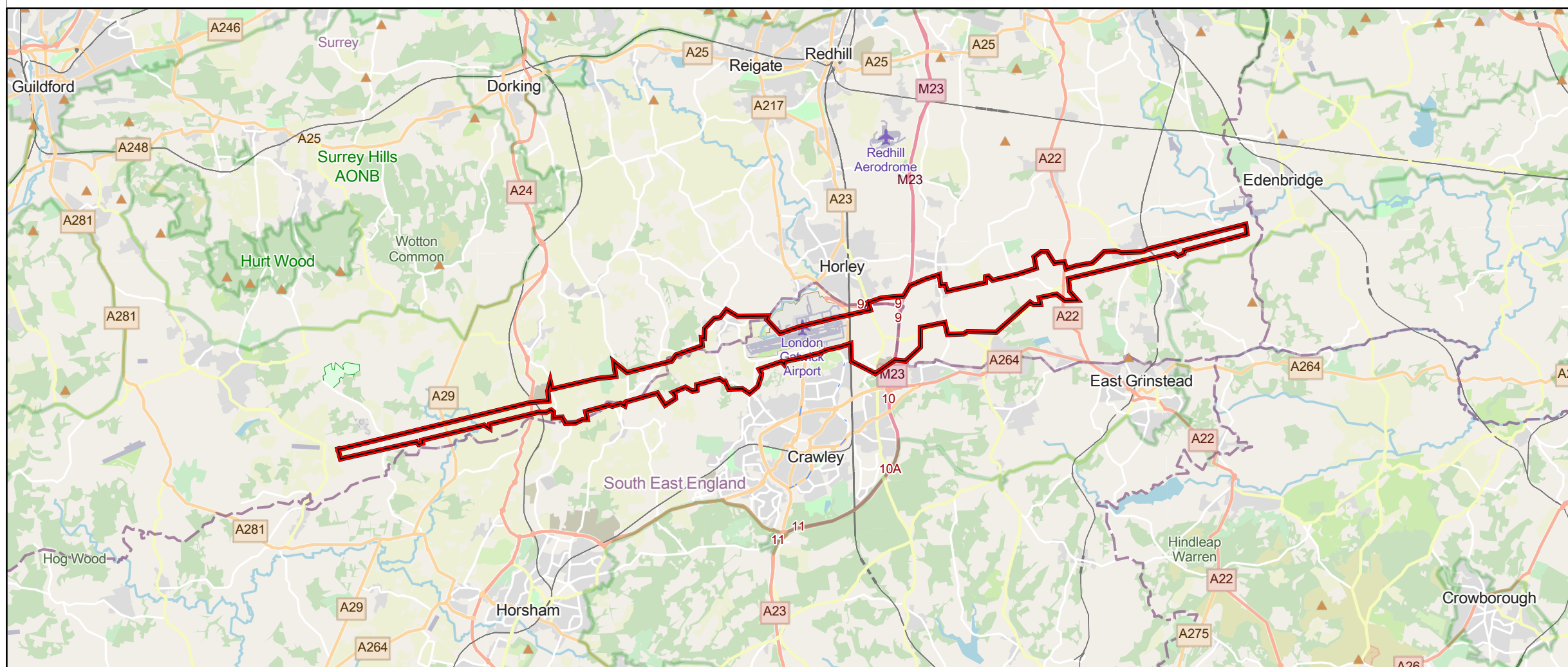
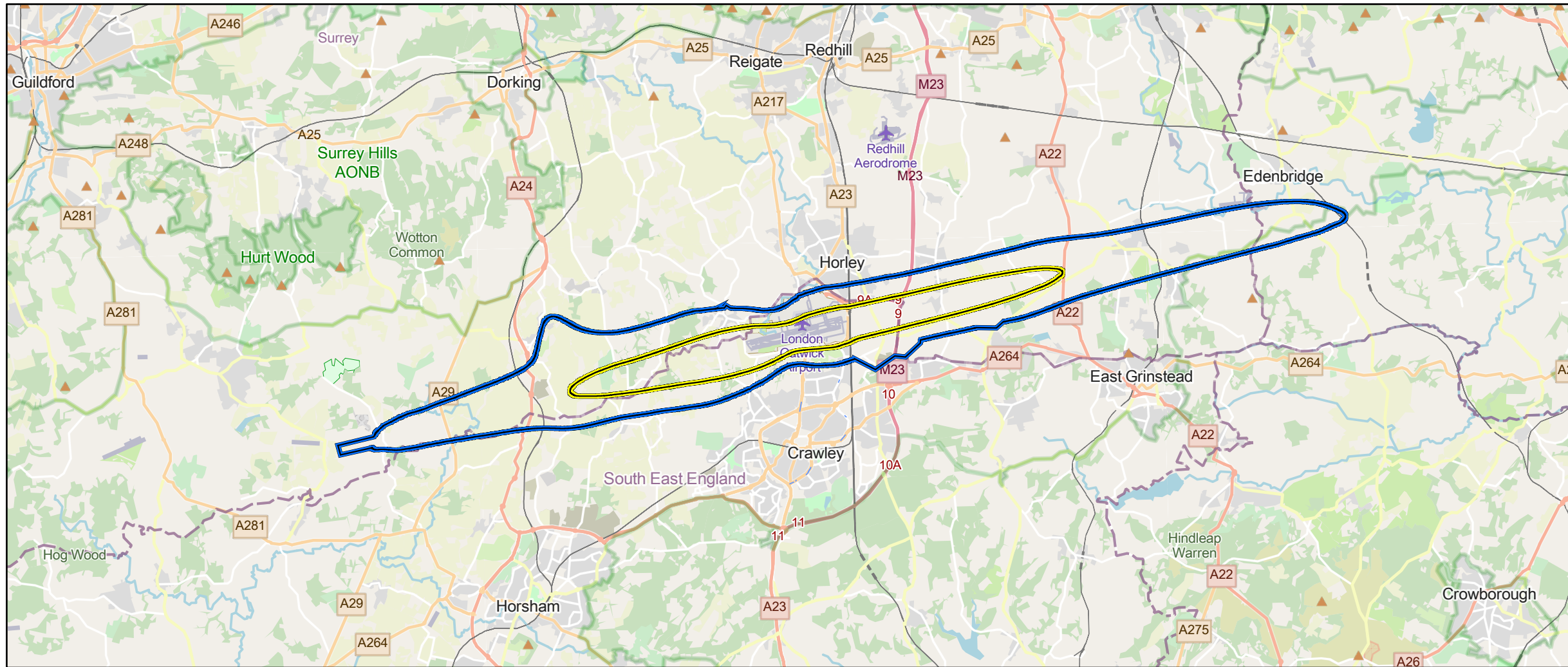
SCALE @ A3 1:175,000



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Datum: OSGB 1936  
Projection: Transverse Mercator





KEY

- Outer Zone -  $L_{eq}$  16 hr day 54dB
- Inner Zone -  $L_{eq}$  8 hr night 55dB
- Current NIS

DOCUMENT

PEIR

DRAWING TITLE

Proposed Noise Insulation Scheme Zones

DATE

September 2021

ORIENTATION



DRAWING NO.

14.8.1

REVISION

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