



Gatwick Airport Northern Runway Project

Consultation Report Appendices – Part B – Volume 5

Book 6

VERSION: 1.0

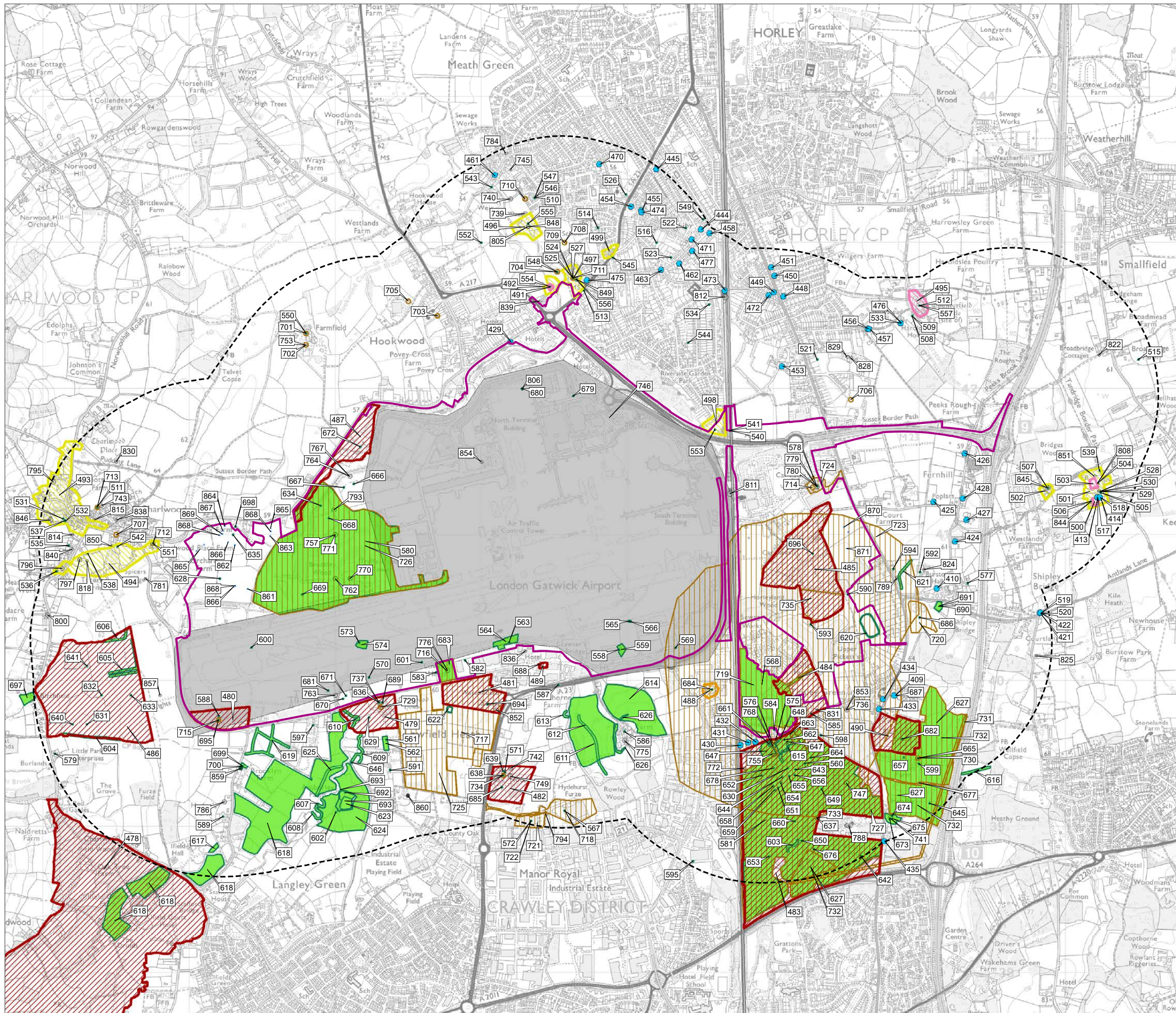
DATE: JULY 2023

Application Document Ref: 6.2

PINS Reference Number: TR020005

Contents – Part B – Volume 5

Appendix B.16 PEIR Figures 7.6.1 – 8.6.6



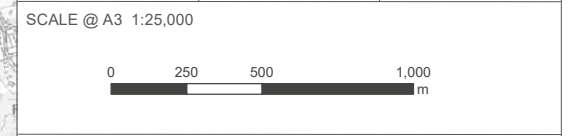
- KEY**
- Project Site Boundary (PEIR)
 - 1km buffer from Project Site Boundary
 - Locally Listed Building
 - County Site of Archaeological Interest (Surrey)
 - Area of High Archaeological Potential (Surrey)
 - Red Archaeological Notification Area (West Sussex)
 - Amber Archaeological Notification Area (West Sussex)
 - HER Feature
 - HER Event
 - NMR Record
 - Other Building
 - Geophysical Anomaly

DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Non-designated Heritage Assets within 1 km of the Project Site Boundary

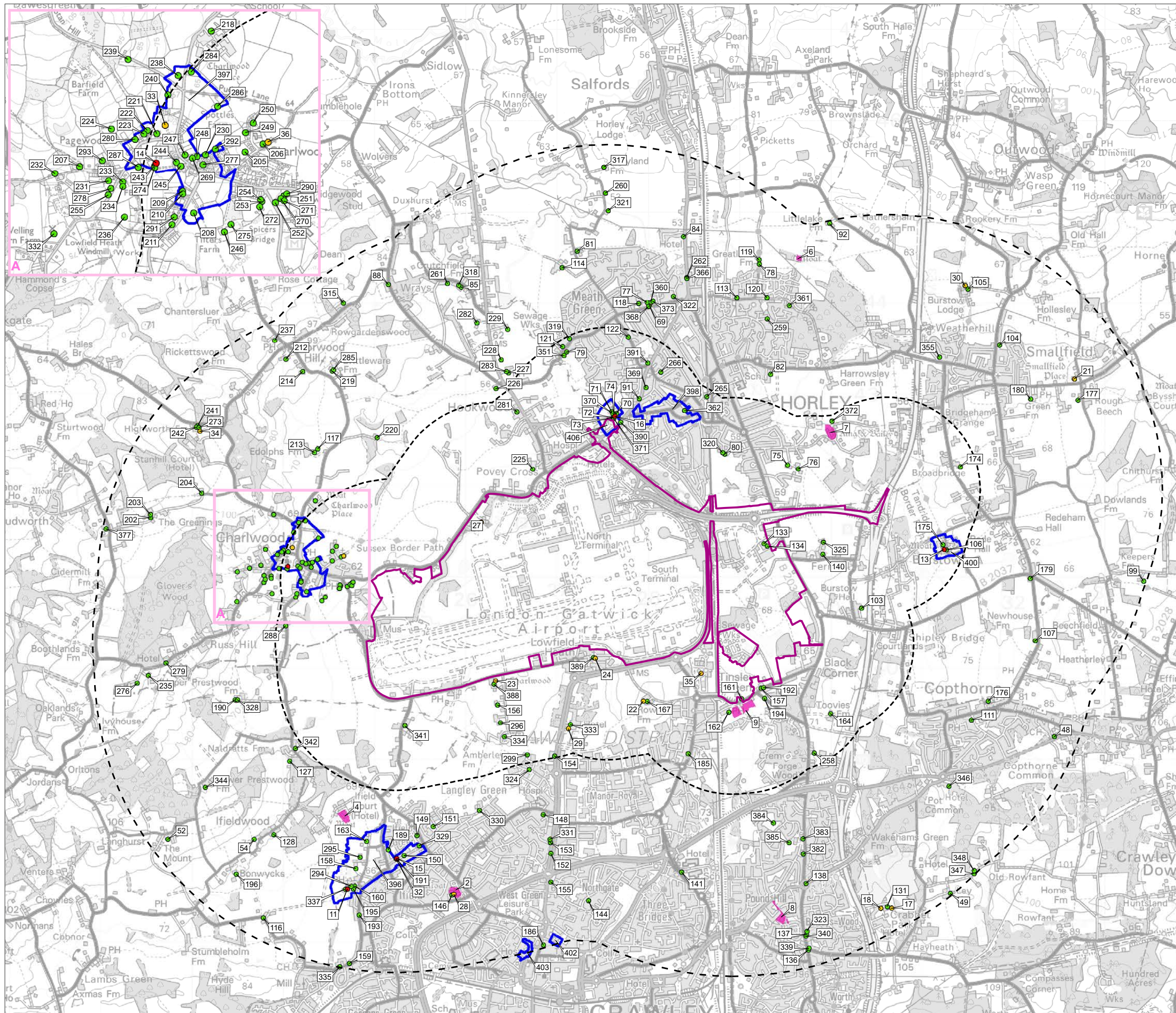
DATE
September 2021

	DRAWING NO.	REVISION
	FIGURE 7.6.1	For PEIR Issue
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	MP	MR



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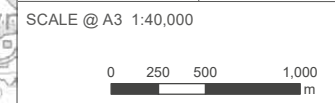
- KEY**
- Project Site Boundary (PEIR)
 - 1km buffer from Project Site Boundary
 - 3km buffer from Project Site Boundary
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area

DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Designated Heritage Assets within 3 km of the Project Site Boundary

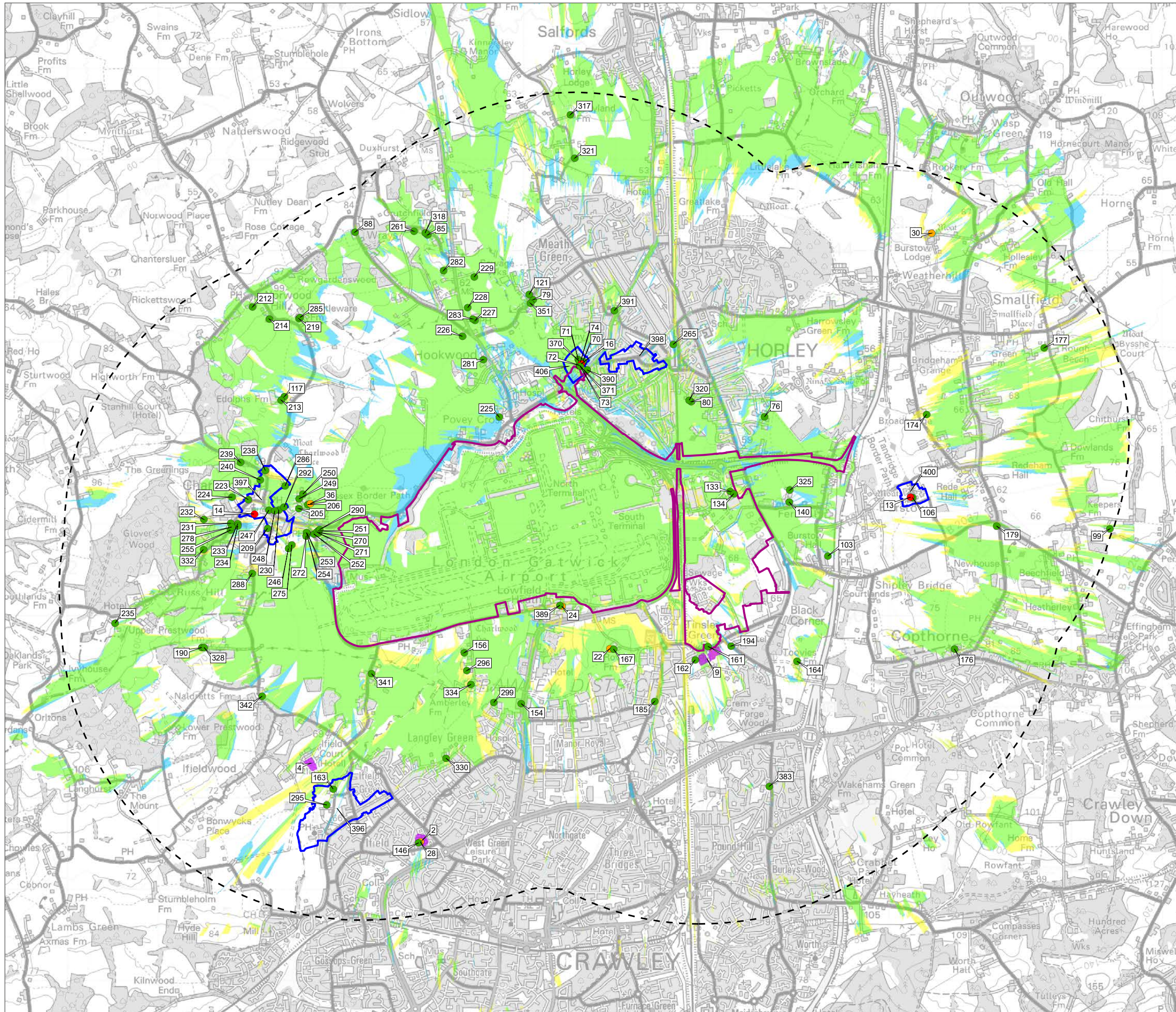
DATE
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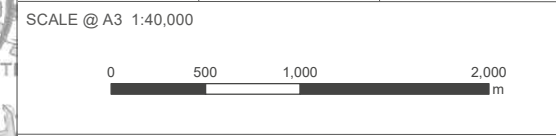
- KEY**
- Project Site Boundary (PEIR)
 - 3km buffer from Project Site Boundary
 - Scheduled Monument
 - Grade I Listed Building
 - Grade II* Listed Building
 - Grade II Listed Building
 - Conservation Area
- Zone of Theoretical Visibility**
- Existing airport visible, no new visibility
 - New elements visible
 - Both new and existing elements visible

DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Designated Heritage Assets within 3km of the Project site boundary and within the ZTV

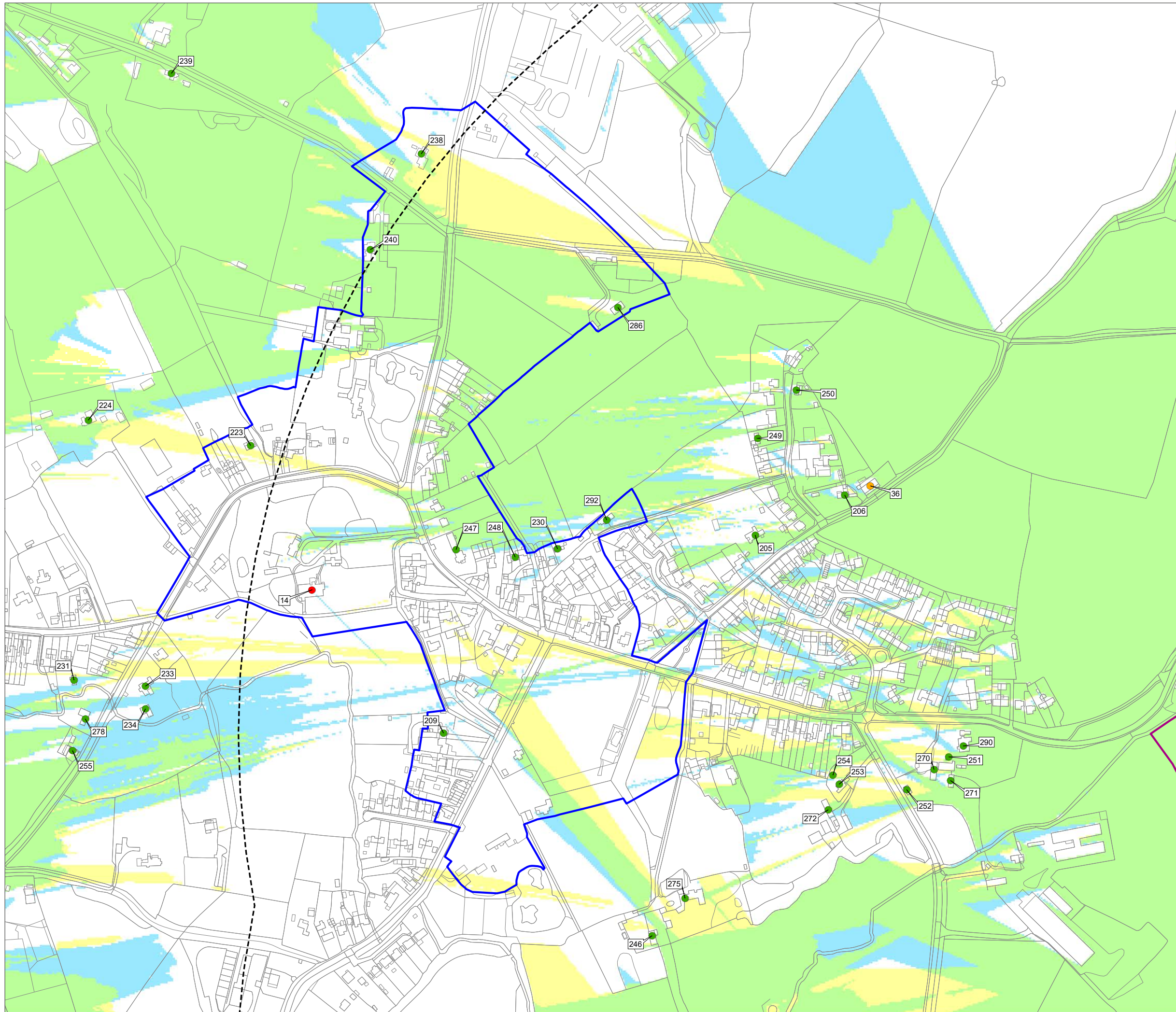
DATE
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	DRAWING NO. FIGURE 7.6.3	REVISION For PEIR Issue
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KEY

- Project Site Boundary (PEIR)
- 1km buffer from Project Site Boundary
- Grade I Listed Building
- Grade II* Listed Building
- Grade II Listed Building
- Conservation Area


Zone of Theoretical Visibility

- Existing airport visible, no new visibility
- New elements visible
- Both new and existing elements visible

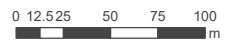
DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Designated Heritage Assets at Charwood in relation to the ZTV

DATE
September 2021

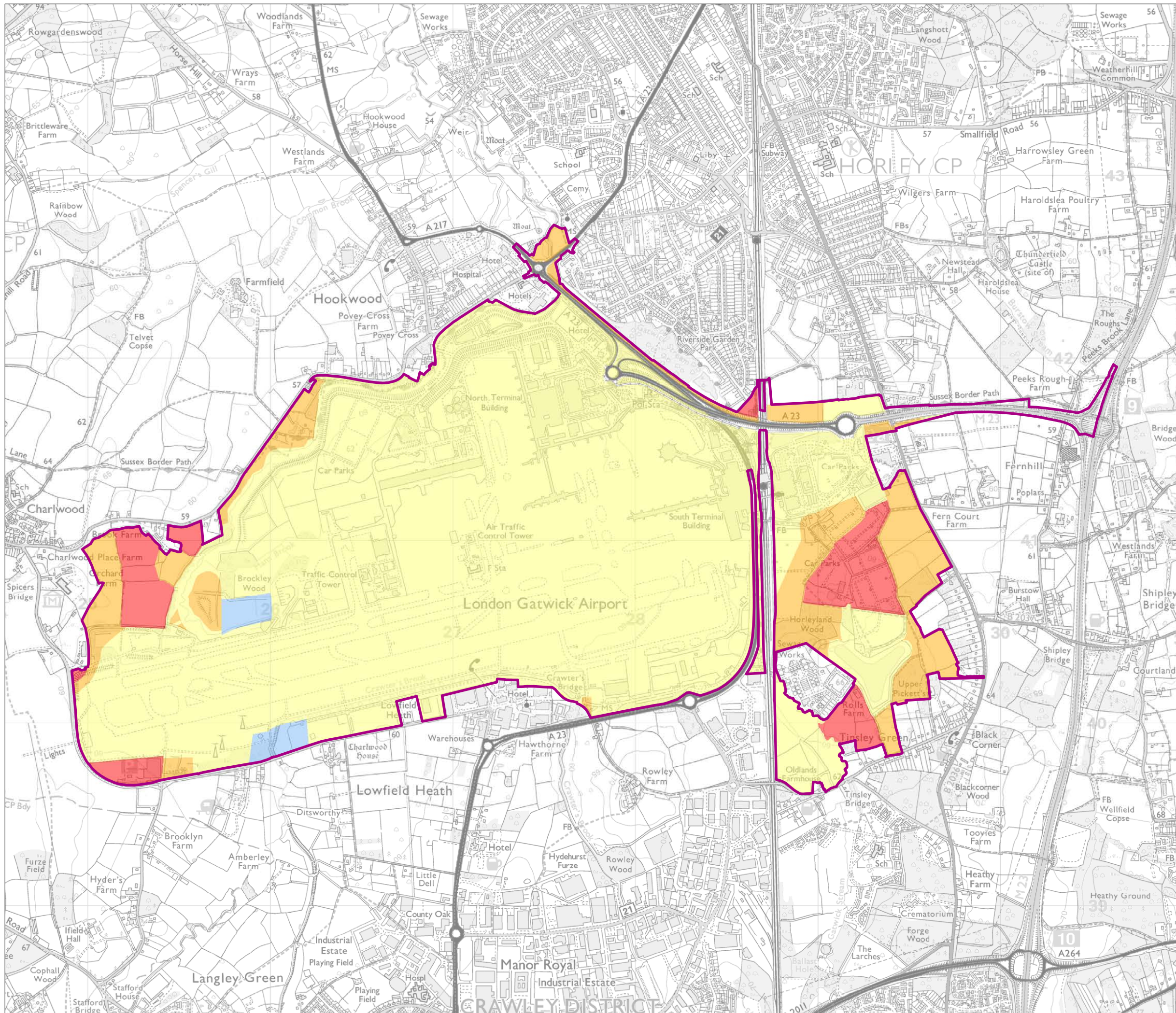
	DRAWING NO.	REVISION
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MP	MR	

SCALE @ A3 1:4,000



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KEY

Project Site Boundary (PEIR)

Archaeological Potential

High

Medium

Low

Low, but potential for Palaeochannels

DOCUMENT

Preliminary Environmental Information Report

DRAWING TITLE

Predictive Modelling of Zones of Archaeological Potential

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 7.6.5

REVISION

For PEIR Issue

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SCALE @ A3 1:20,000

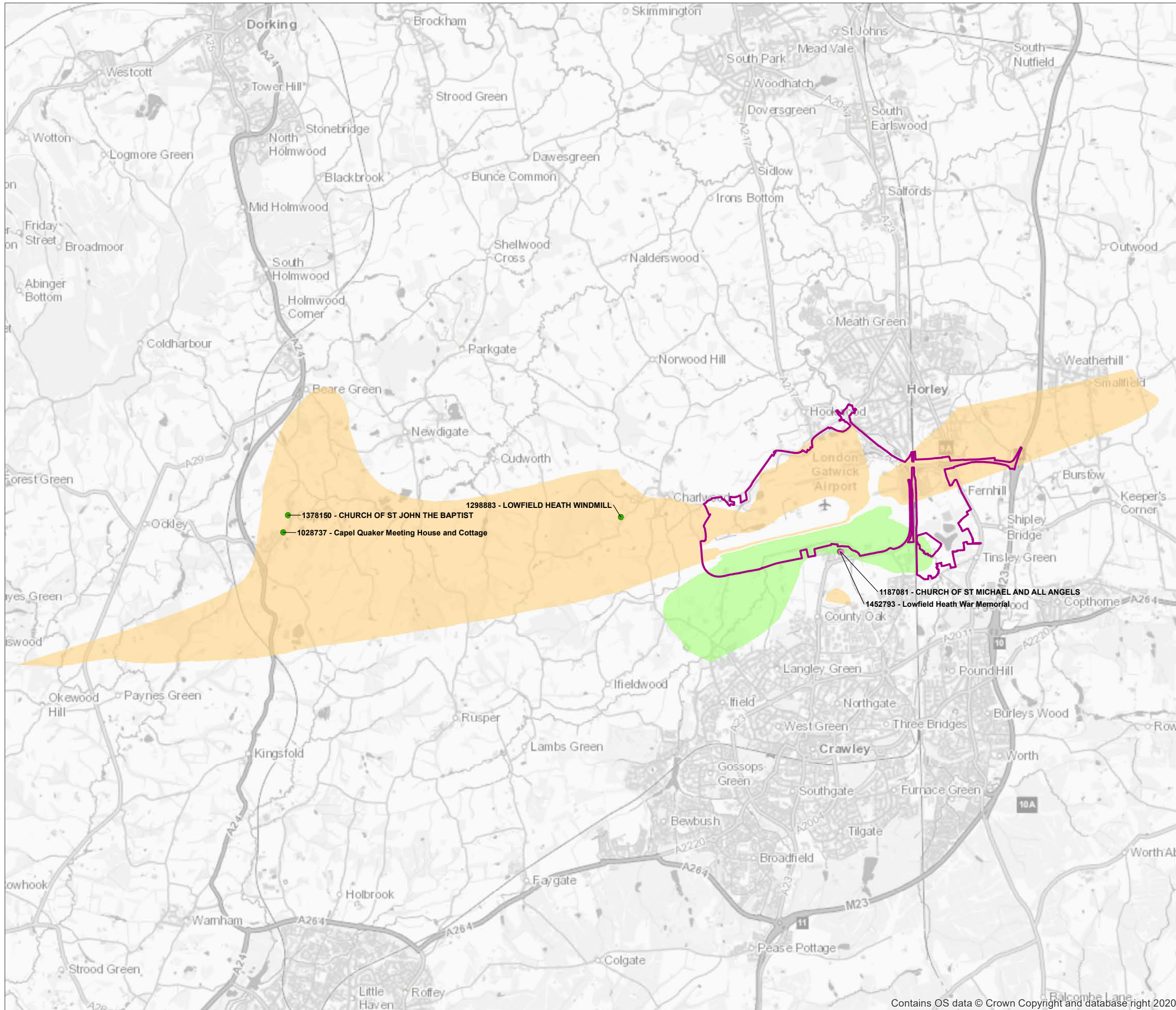


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KEY

- Project Site Boundary (PEIR)
- Noise footprint with a predicted decrease of 1dB or more
- Noise footprint with a predicted increase of 1dB or more
- Grade II* Listed Building
- Grade II Listed Building



DOCUMENT

Preliminary Environmental Information Report

DRAWING TITLE

Predicted 2032 >1 dB Noise Change Footprints – Noise-Sensitive Designated Heritage Assets

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 7.6.6

REVISION

For PEIR Issue

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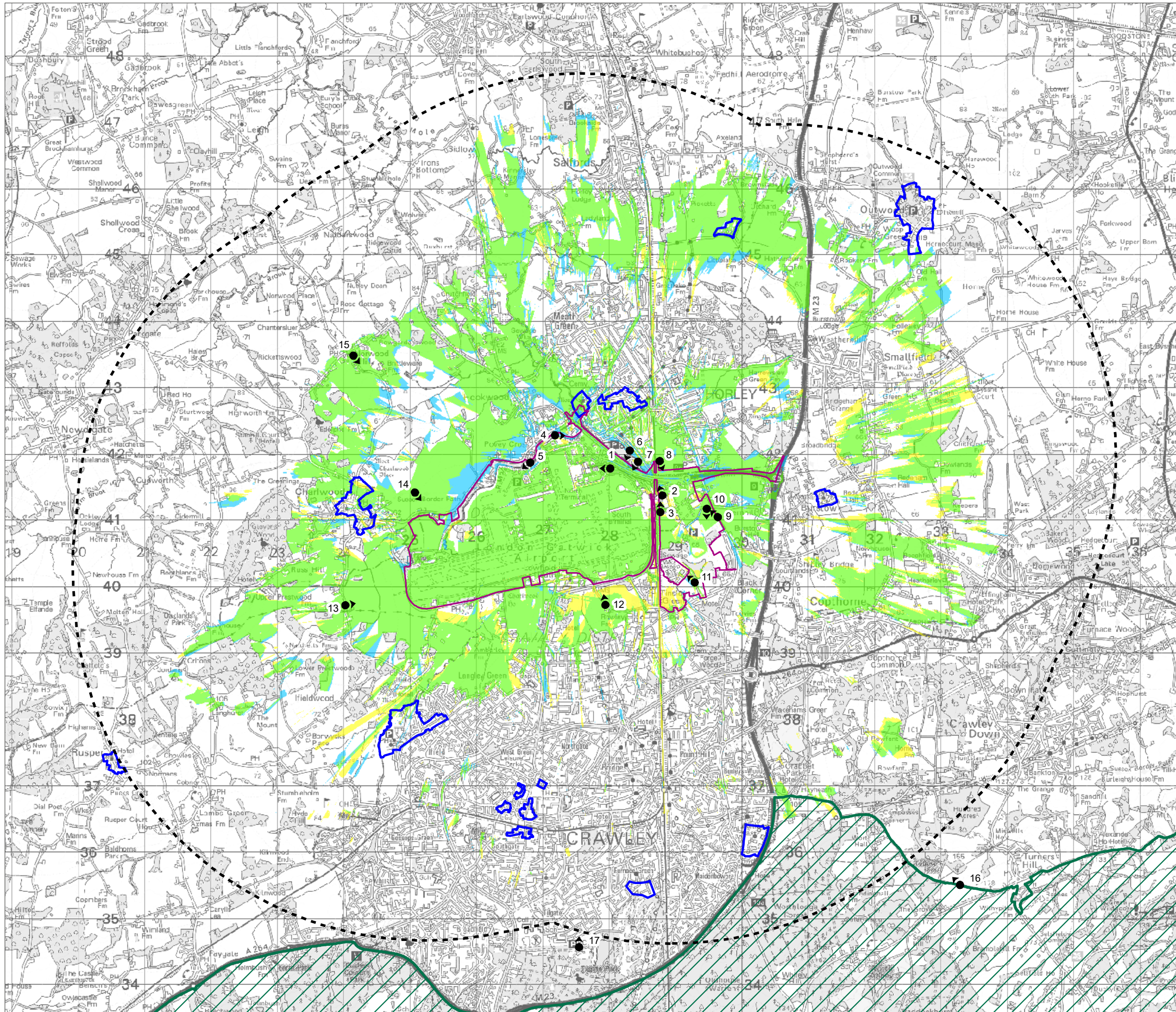
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KEY

- Project Site Boundary (PEIR)
- 5km Buffer from Site Boundary (approximate study area for LTVA)
- Viewpoint Location
- High Weald Area of Outstanding Natural Beauty
- Conservation Area
- Existing airport visible, no new visibility
- New elements visible
- Both new and existing elements visible

Source :
Natural England

DOCUMENT

Preliminary Environmental
Information Report

DRAWING TITLE

Existing and Proposed Zones of
Theoretical Visibility (ZTV) within 5km
Radius Study Area

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 8.4.1

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For PEIR
Issue

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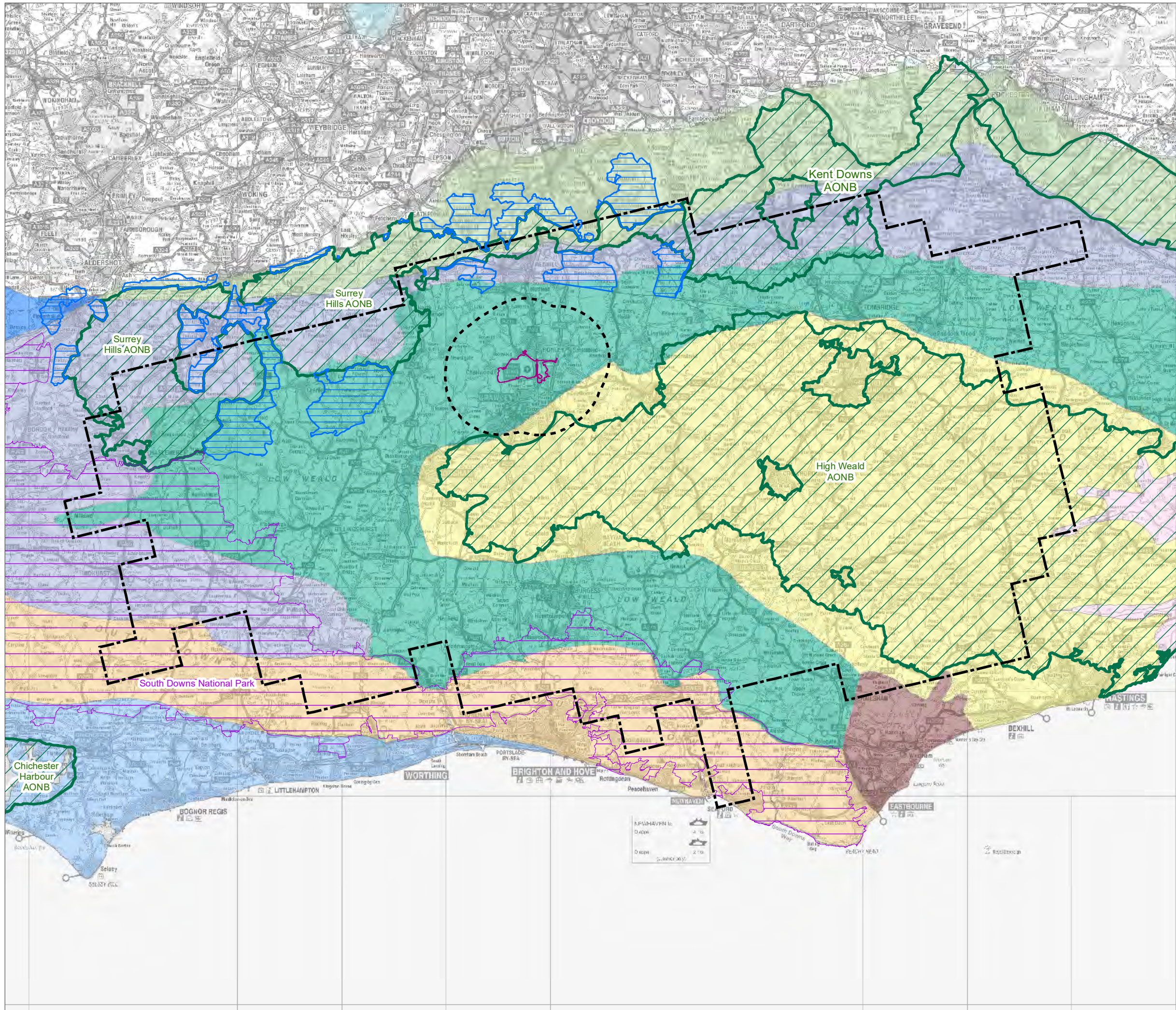
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KEY

- Project Site Boundary (PEIR)
- 5km Buffer from Site Boundary (approximate study area for LTVA)
- Study Area for Tranquility Assessment for Aircraft <7000ft
- National Park
- Areas of Outstanding Natural Beauty
- Area of Great Landscape Value
- National Character Areas**
- Hampshire Downs
- High Weald
- Low Weald
- North Downs
- Northern Thames Basin
- Pevensey Levels
- Romney Marshes
- South Coast Plain
- South Downs
- Wealden Greensand

Source :
Natural England
Waverley Borough Council

DOCUMENT

Preliminary Environmental
Information Report

DRAWING TITLE

National Landscape Character Areas
and Landscape Designations

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 8.4.2

REVISION

For PEIR
Issue

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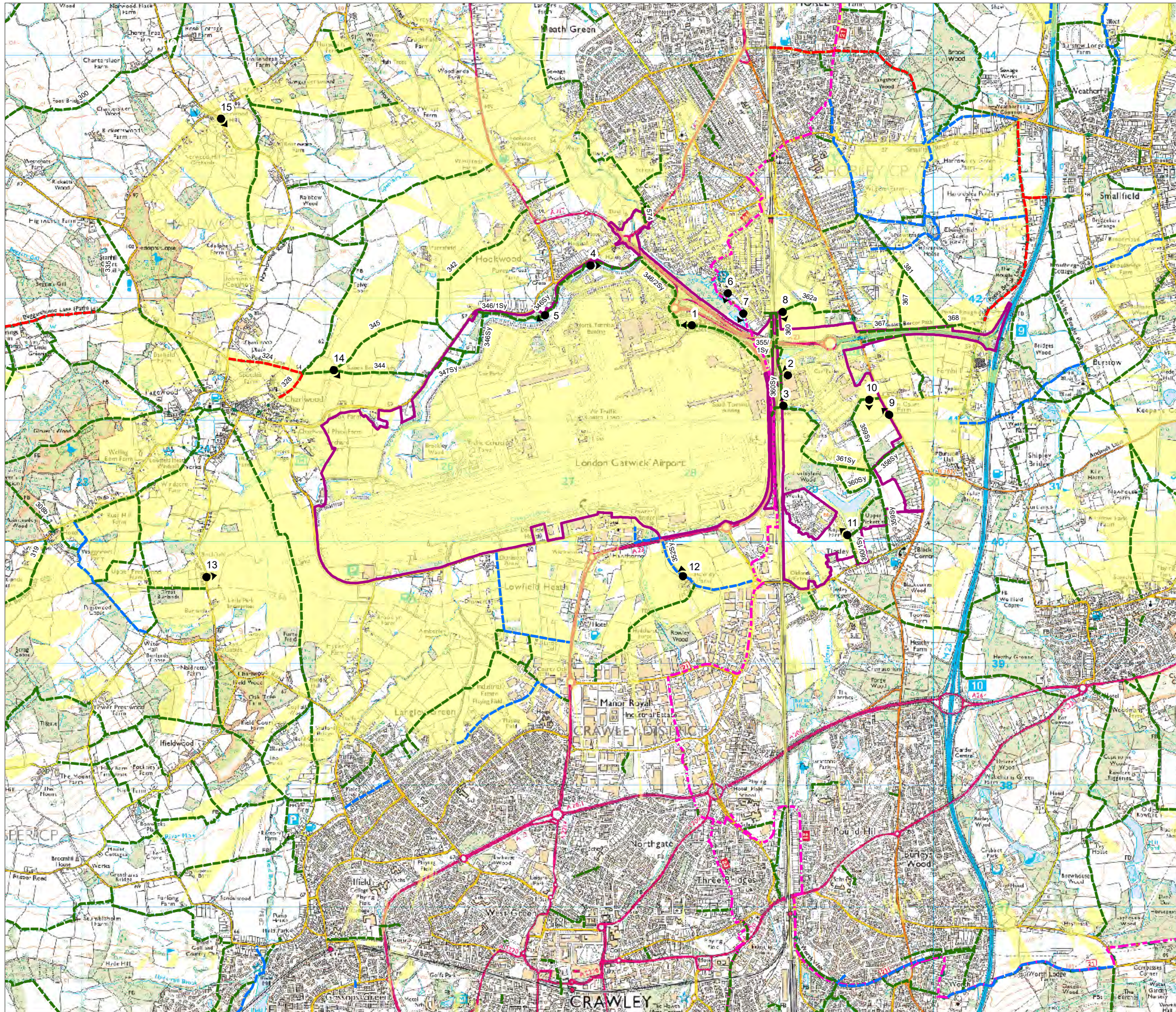
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KEY

- Project Site Boundary (PEIR)
- Viewpoint Location (near to mid-distance views)
- Zone of Theoretical Visibility (ZTV)
- Bridleway
- Byway
- Footpath
- National Cycle Route 21

DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Existing Zone of Theoretical Visibility and Viewpoint Locations

DATE
September 2021

	DRAWING NO. FIGURE 8.4.3	REVISION For PEIR Issue
	DRAWN BY CR	PM / CHECKED BY PE

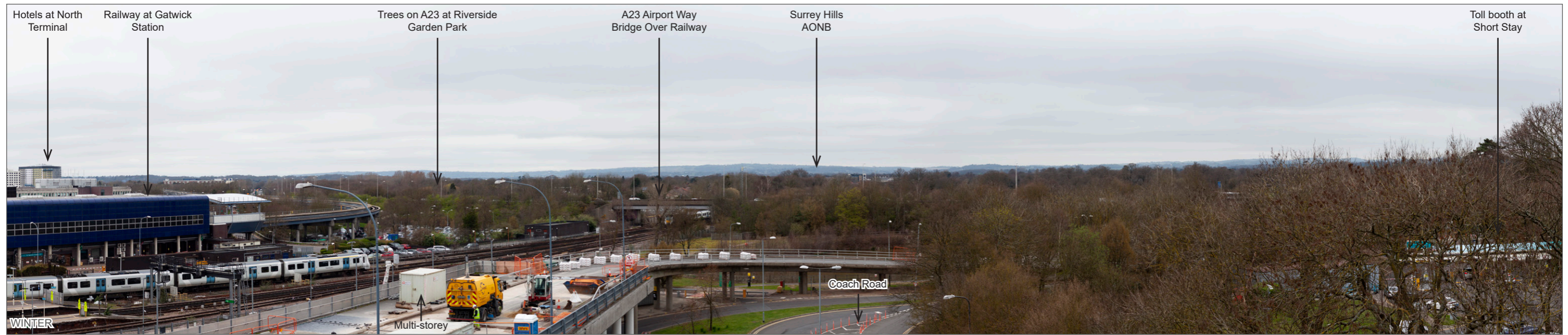
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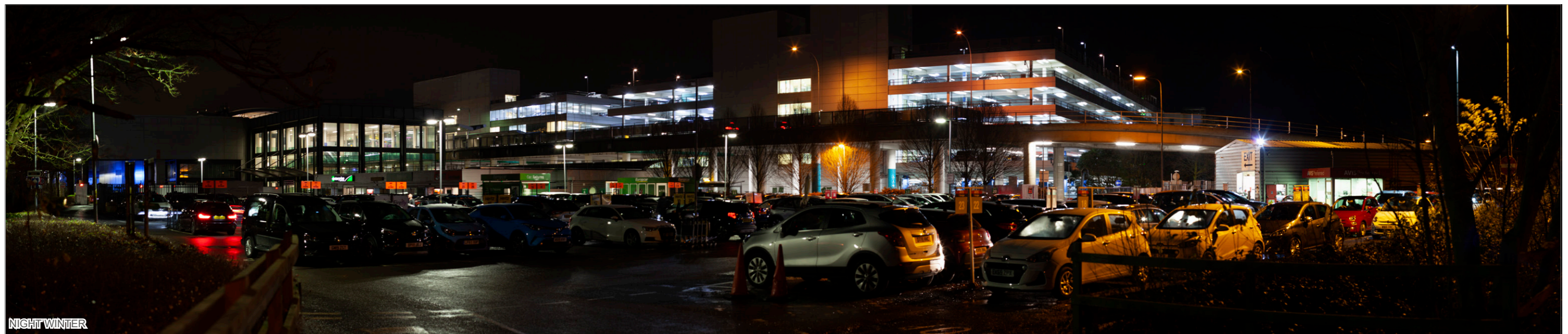
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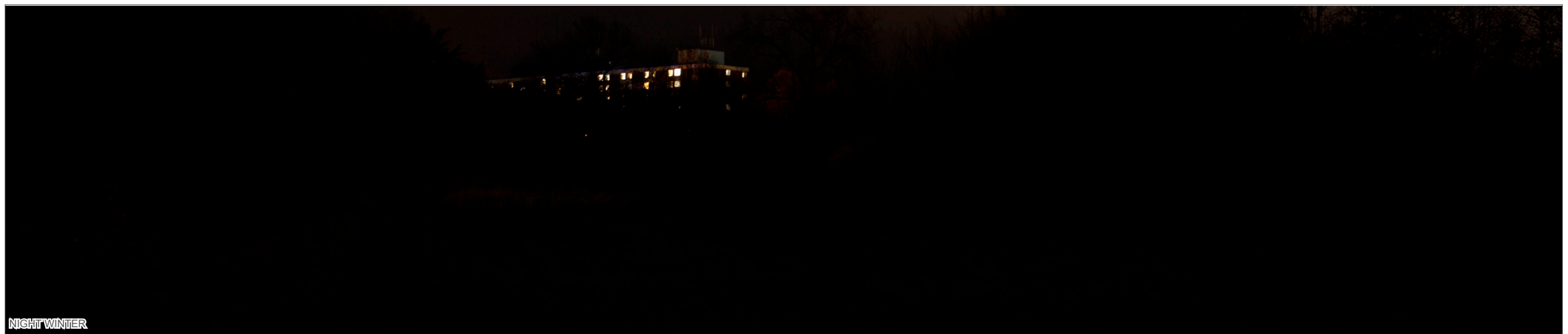


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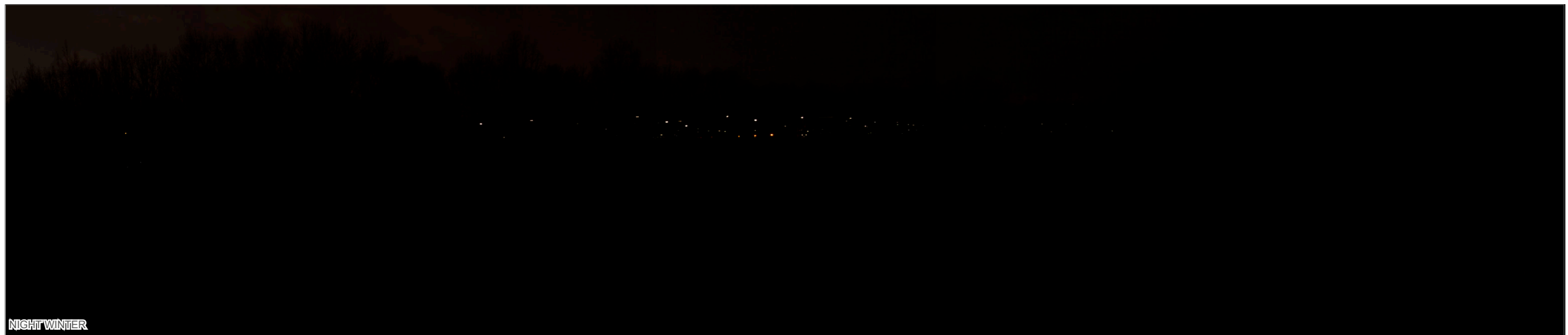


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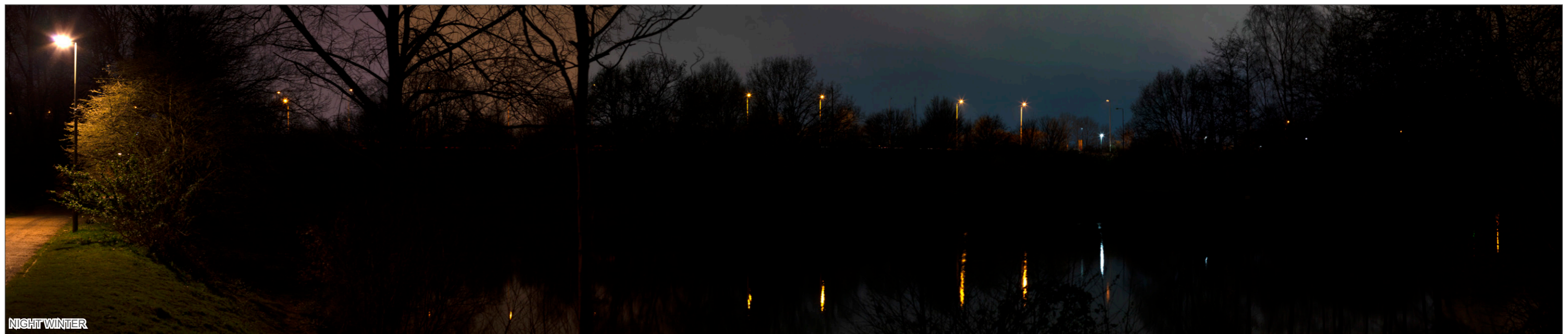
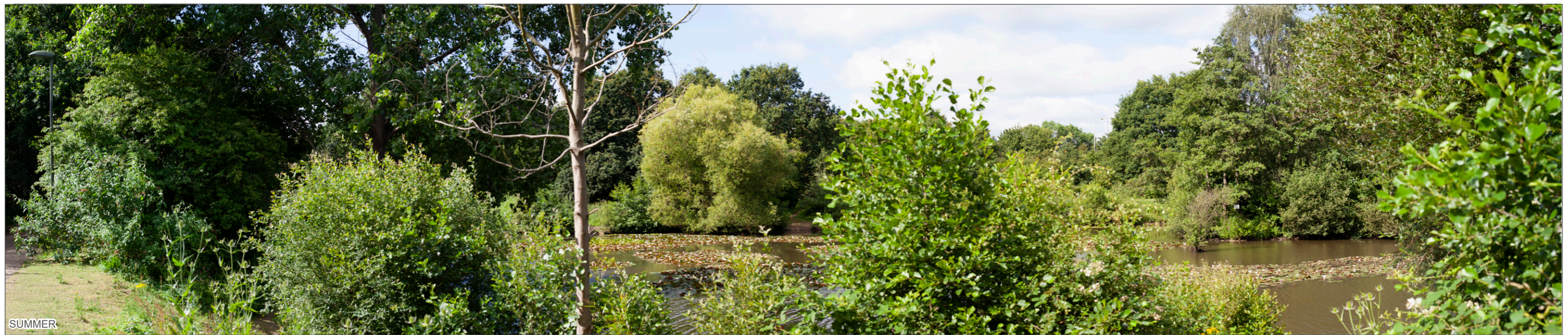
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11055-0091-017



11055-0091-017



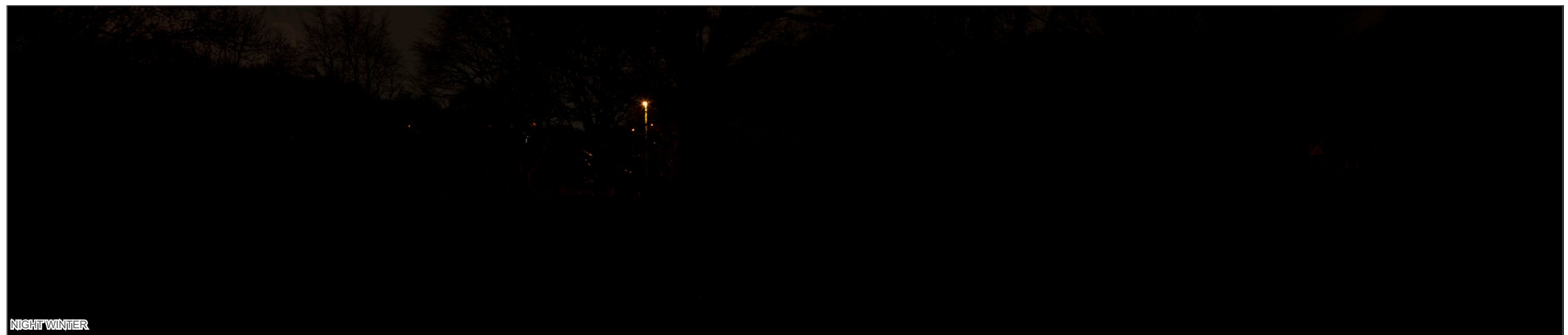
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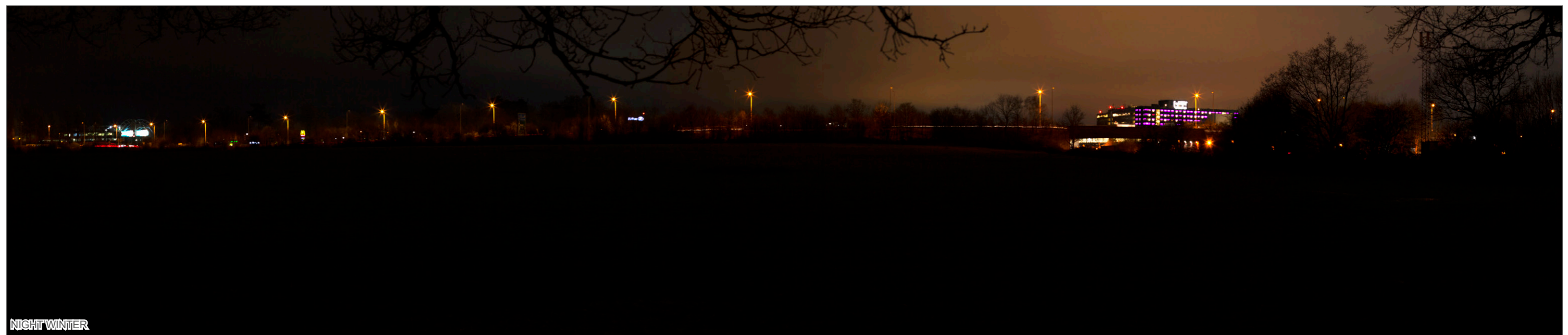


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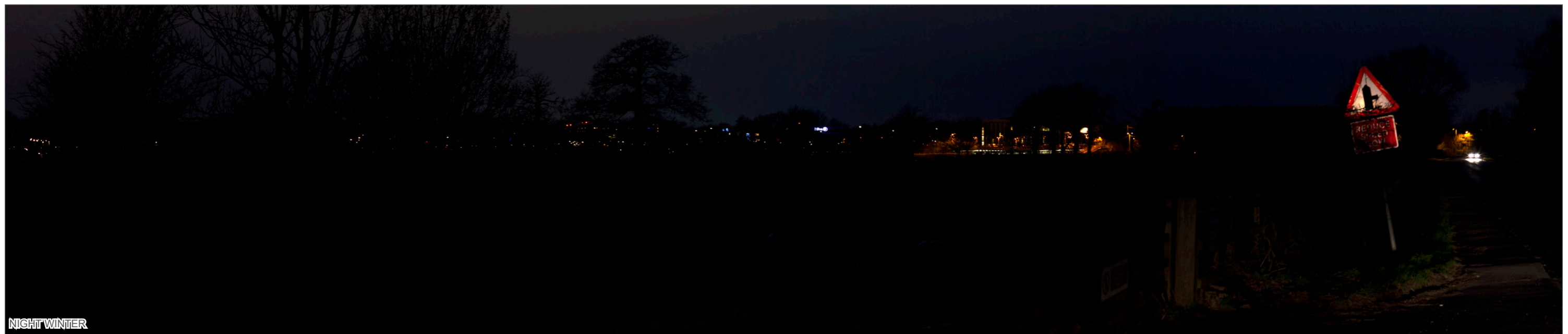


NIGHTWINTER

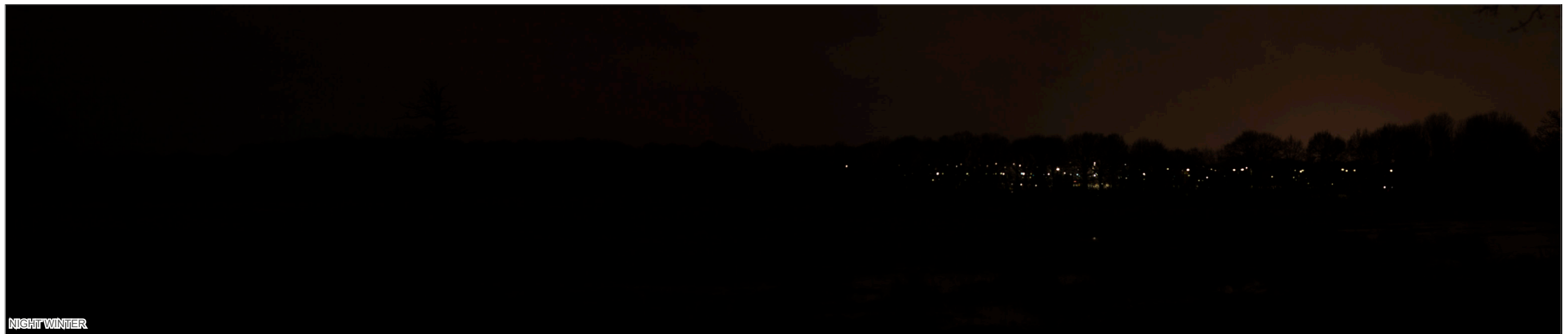
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11055-0091-017



11055-0091-017



11055-0091-017



WINTER



SUMMER

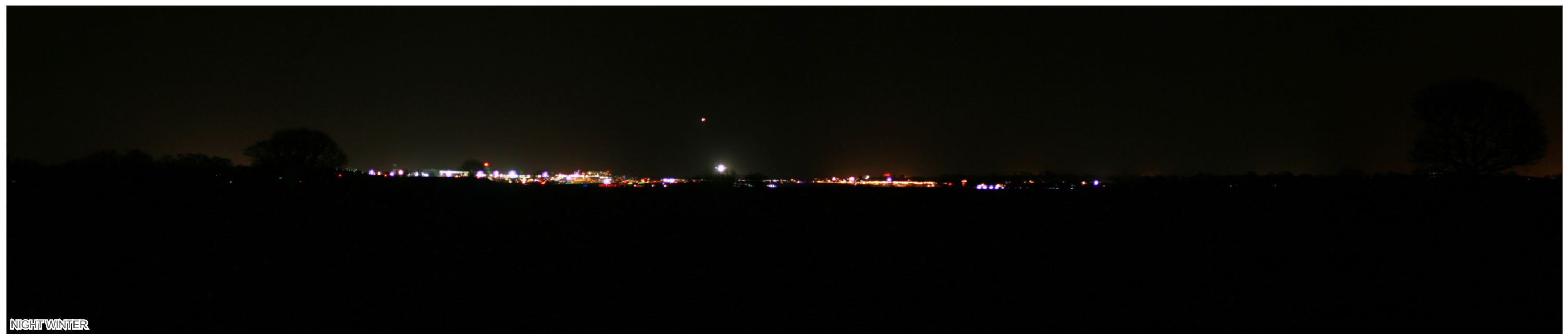
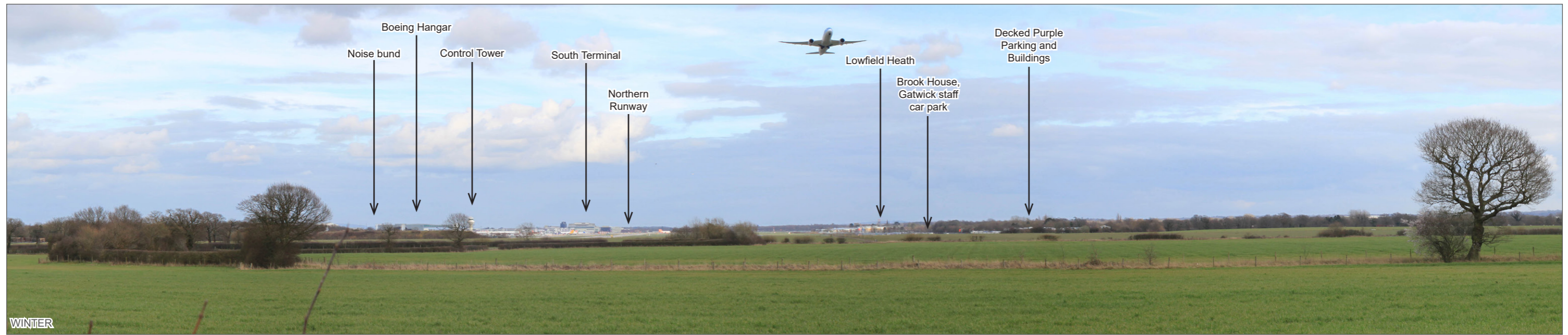


NIGHT WINTER

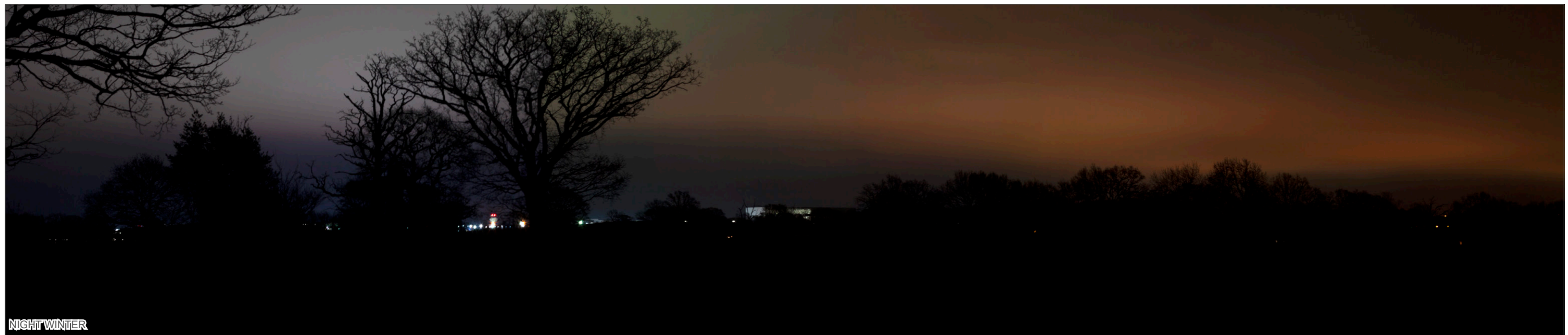
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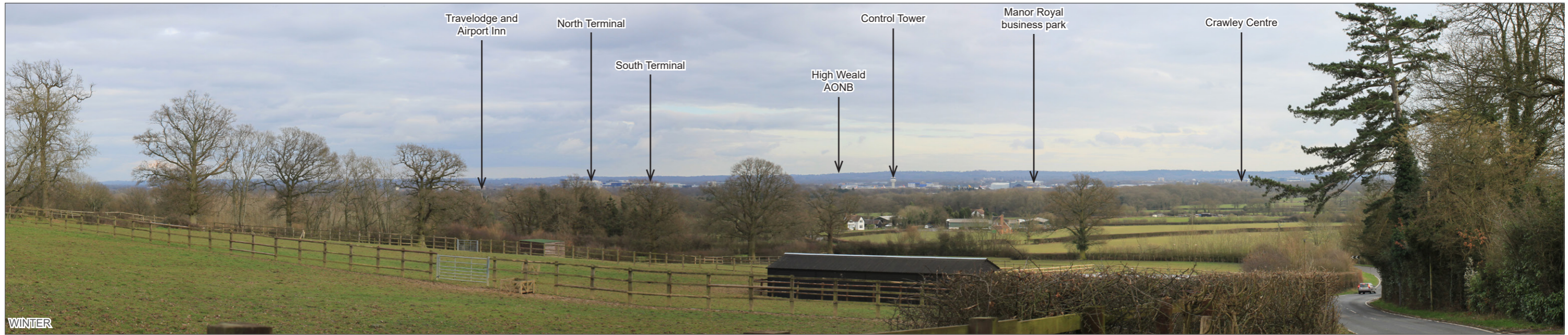
11055-0091-017



11055-0091-017



11055-0091-017



[Summer view completely obscured by hedgerow growth]

SUMMER



11055-0091-017



WINTER



SUMMER



NIGHTWINTER

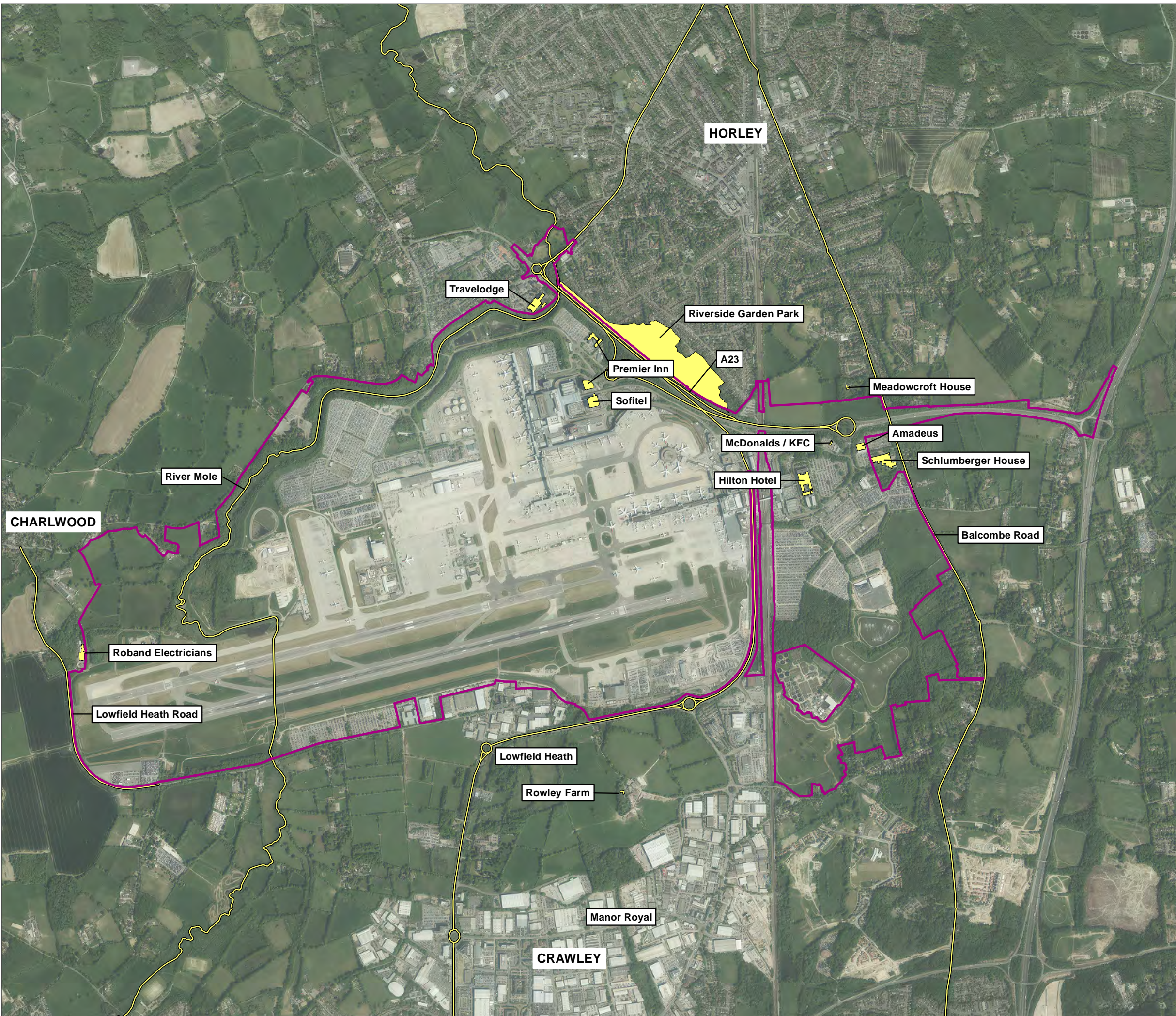
11055-0091-017



11055-0091-017

KEY


- Project Site Boundary (PEIR)
- Visual Receptor



DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
Aerial Photography & Visual Receptor Locations

DATE
September 2021

	DRAWING NO. FIGURE 8.4.21	REVISION For PEIR Issue
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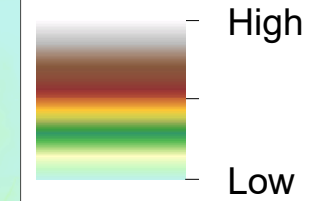
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KEY

- Project Site Boundary (PEIR)
- 5km Buffer from Site Boundary (approximate study area for LTVIA)

Topography



Source :
Ordnance Survey Terrain 5

DOCUMENT

Preliminary Environmental
Information Report

DRAWING TITLE

Topography

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 8.6.1

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For PEIR
Issue

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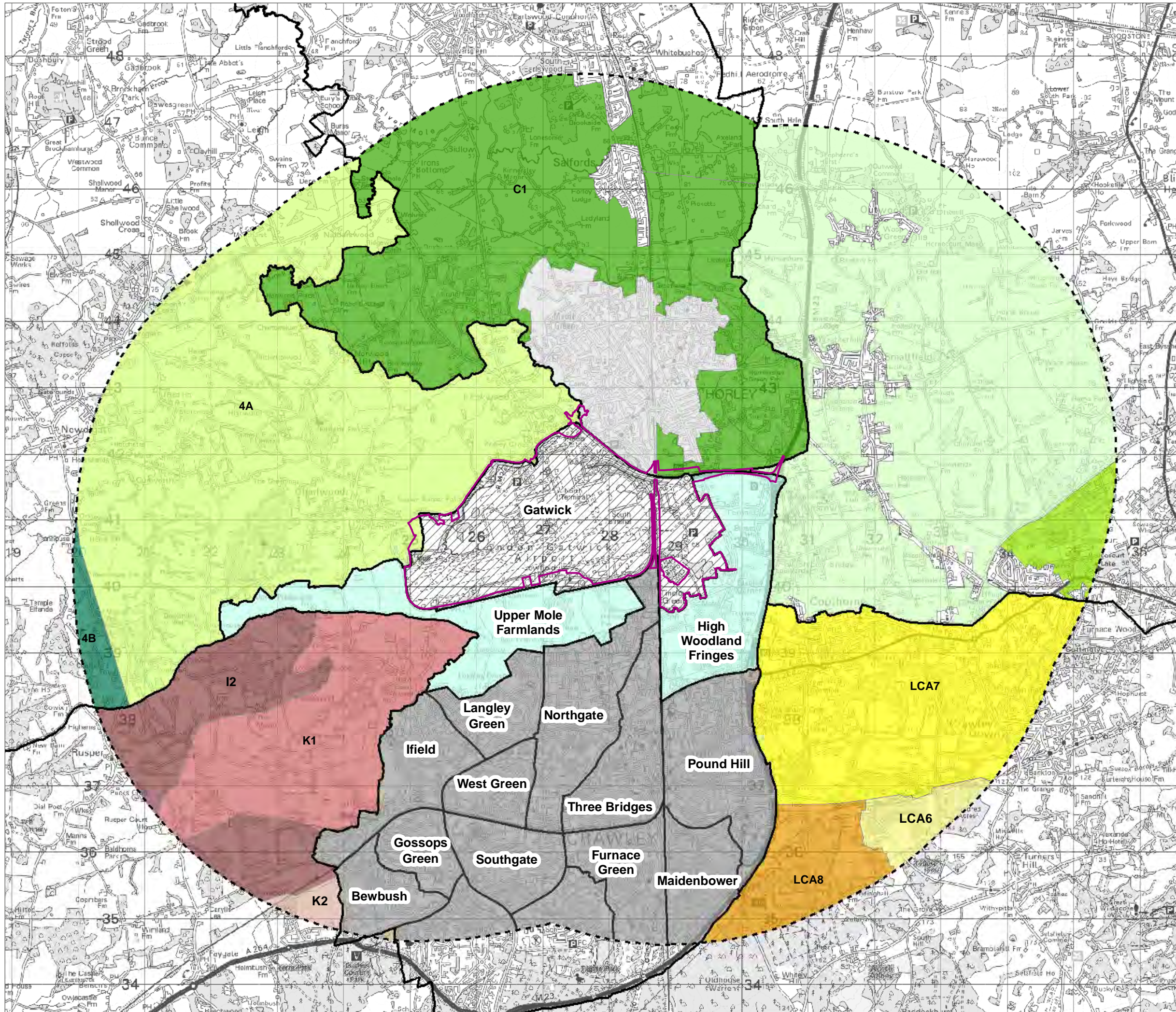
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- KEY**
- Project Site Boundary (PEIR)
 - 5km Buffer from Site Boundary (approximate study area for LTVIA)
 - District Boundaries
 - Gatwick Airport Urban Character Area
- Crawley District**
- Crawley Urban Area (including neighbourhoods)
 - Crawley Character Areas
- Tandridge District**
- Low Weald Farmland
 - Wooded High Weald
- Reigate and Banstead (Sub-Areas)**
- C1 - Low Weald
 - Horley Townscape
- Mid Sussex District**
- LCA6 - High Weald
 - LCA7 - High Weald Plateau
 - LCA8 - Worth Forest
- Horsham District**
- I2 - Warnham & Rusper Wooded Ridge
 - K1 - Upper Mole Farmlands
 - K2 - Faygate & Warnham Vale
 - L1 - St Leonards Forest
- Mole Valley District**
- 4A - Open Weald
 - 4B - Wooded Weald

DOCUMENT
Preliminary Environmental Information Report

DRAWING TITLE
District Landscape and Townscape Character Areas within 5 km Radius

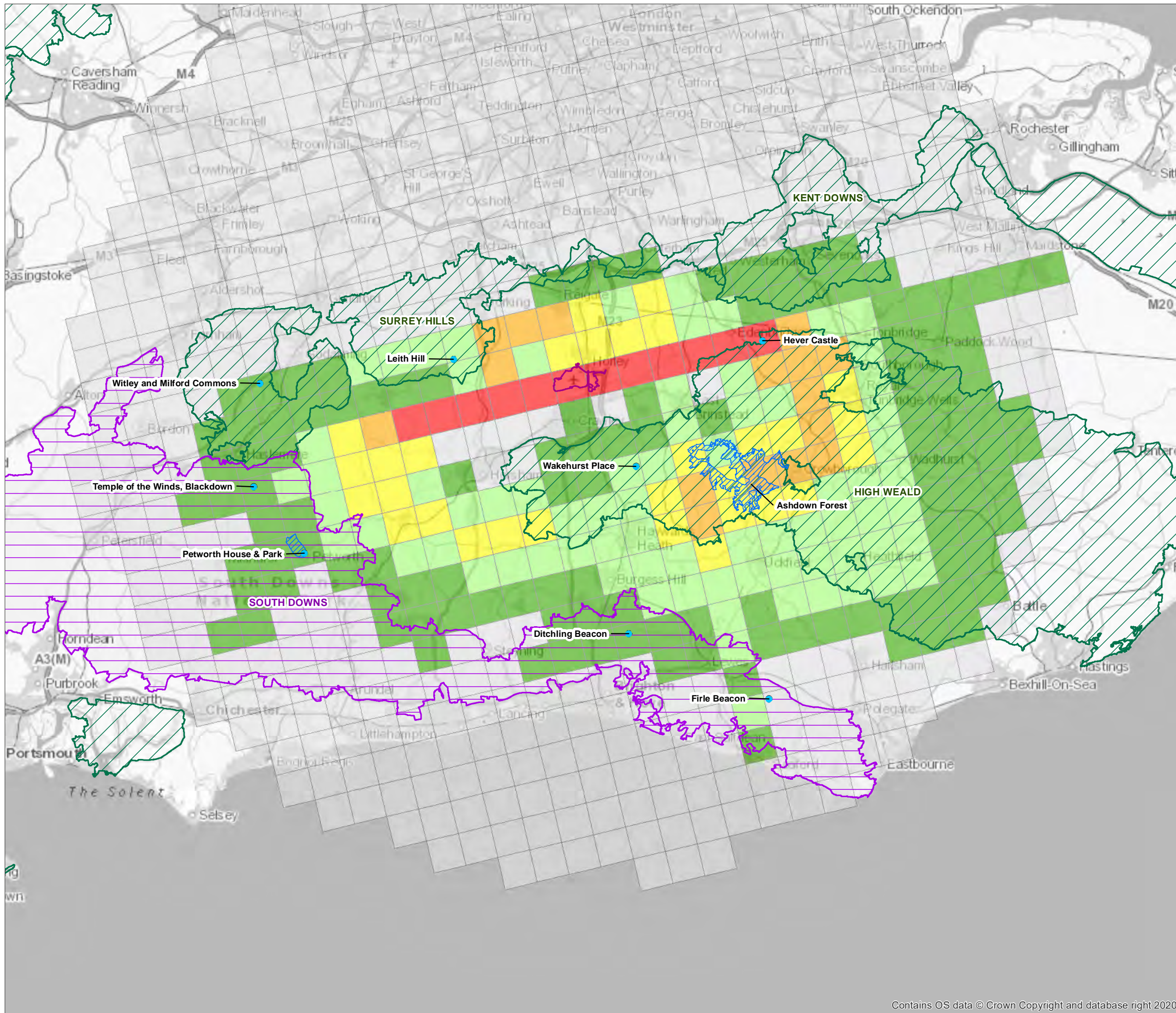
DATE
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	DRAWING NO. FIGURE 8.6.2	REVISION For PEIR Issue
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KEY

- Project Site Boundary (PEIR)
- Areas of Outstanding Natural Beauty
- National Park
- Popular and Distinctive Locations Within Nationally Designated Landscapes
- Popular and Distinctive Locations Within Nationally Designated Landscapes
- Popular and Distinctive Locations Within Nationally Designated Landscapes

Gatwick All Flights - 1-day Mean

- <1
- 1 - 10
- 10 - 50
- 50 - 100
- 100 - 200
- >200

All overflights calculated at less than 7,000 feet above ground level

Source:
Natural England

DOCUMENT
Preliminary Environmental
Information Report

DRAWING TITLE
2018 Baseline Gatwick Overflights

DATE
September 2021

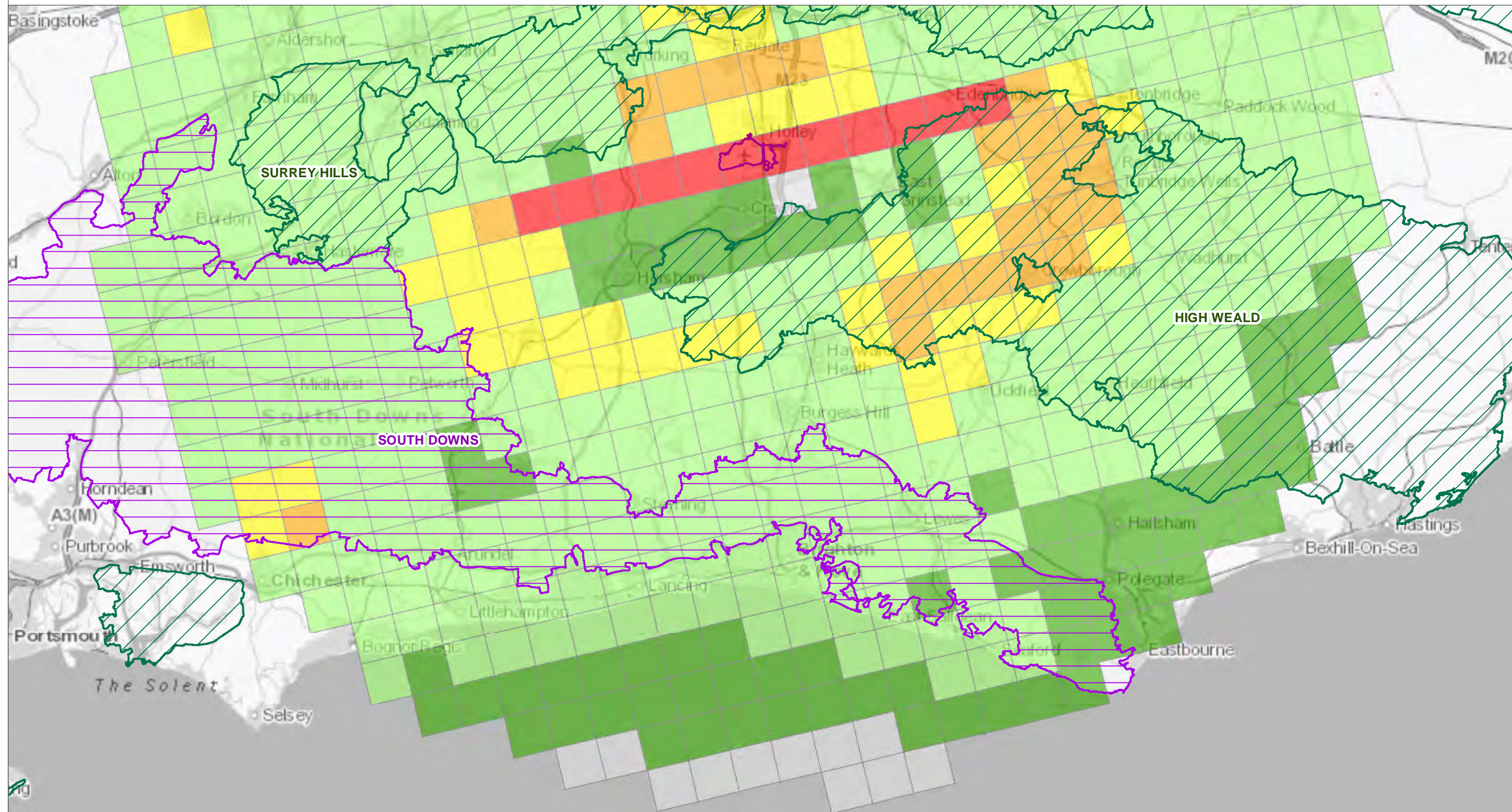
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	FIGURE 8.6.3	For PEIR Issue
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KEY

- Project Site Boundary (PEIR)
- Areas of Outstanding Natural Beauty
- National Park

All Overflights Combined - 1-day Mean

- <1
- 1- 10
- 10 - 50
- 50 - 100
- 100 - 200
- >200


All overflights calculated at less than 7,000 feet above ground level

Source:
Natural England

DOCUMENT
**Preliminary Environmental
Information Report**

DRAWING TITLE
**All 2018 Baseline Overflights
within 35 mile radius**

DATE
September 2021

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YOUR LONDON AIRPORT *Gatwick*

KEY

- Project Site Boundary (PEIR)
- Areas of Outstanding Natural Beauty
- National Park
- Popular and Distinctive Locations
- Within Nationally Designated Landscapes
- Popular and Distinctive Locations
- Within Nationally Designated Landscapes

Gatwick All Flights - 1-day Mean + up to 20% in 2032/2038

- <1
- 1 - 10
- 10 - 50
- 50 - 100
- 100 - 200
- >200

All overflights calculated at less than 7,000 feet above ground level

Source :
Natural England

DOCUMENT

Preliminary Environmental
Information Report

DRAWING TITLE

Increase in Gatwick Overflights

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 8.6.5

REVISION

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Issue

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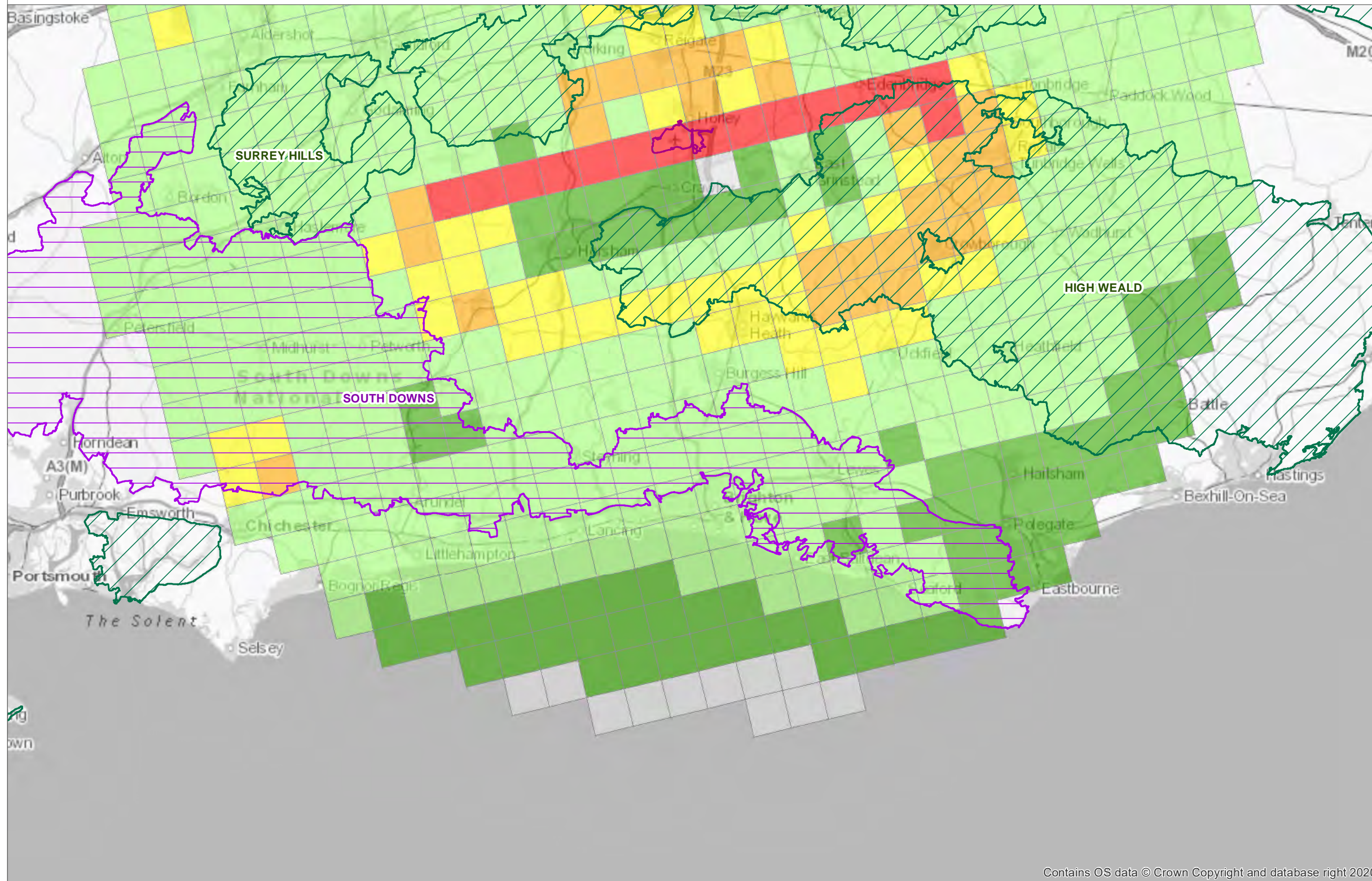
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KEY

- Project Site Boundary (PEIR)
- Areas of Outstanding Natural Beauty
- National Park

All Overflights Combined - 1-day Mean + up to 20% in 2032/2038

- <1
- 1 - 10
- 10 - 50
- 50 - 100
- 100 - 200
- >200

All overflights calculated at less than 7,000 feet above ground level

Source :
Natural England

DOCUMENT

Preliminary Environmental
Information Report

DRAWING TITLE

Increase in Gatwick Overflights
Compared with all Overflights

DATE

September 2021

ORIENTATION



DRAWING NO.

FIGURE 8.6.6

REVISION

For PEIR
Issue

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