



Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 9.6.2: Ecology Survey Report – Part 2

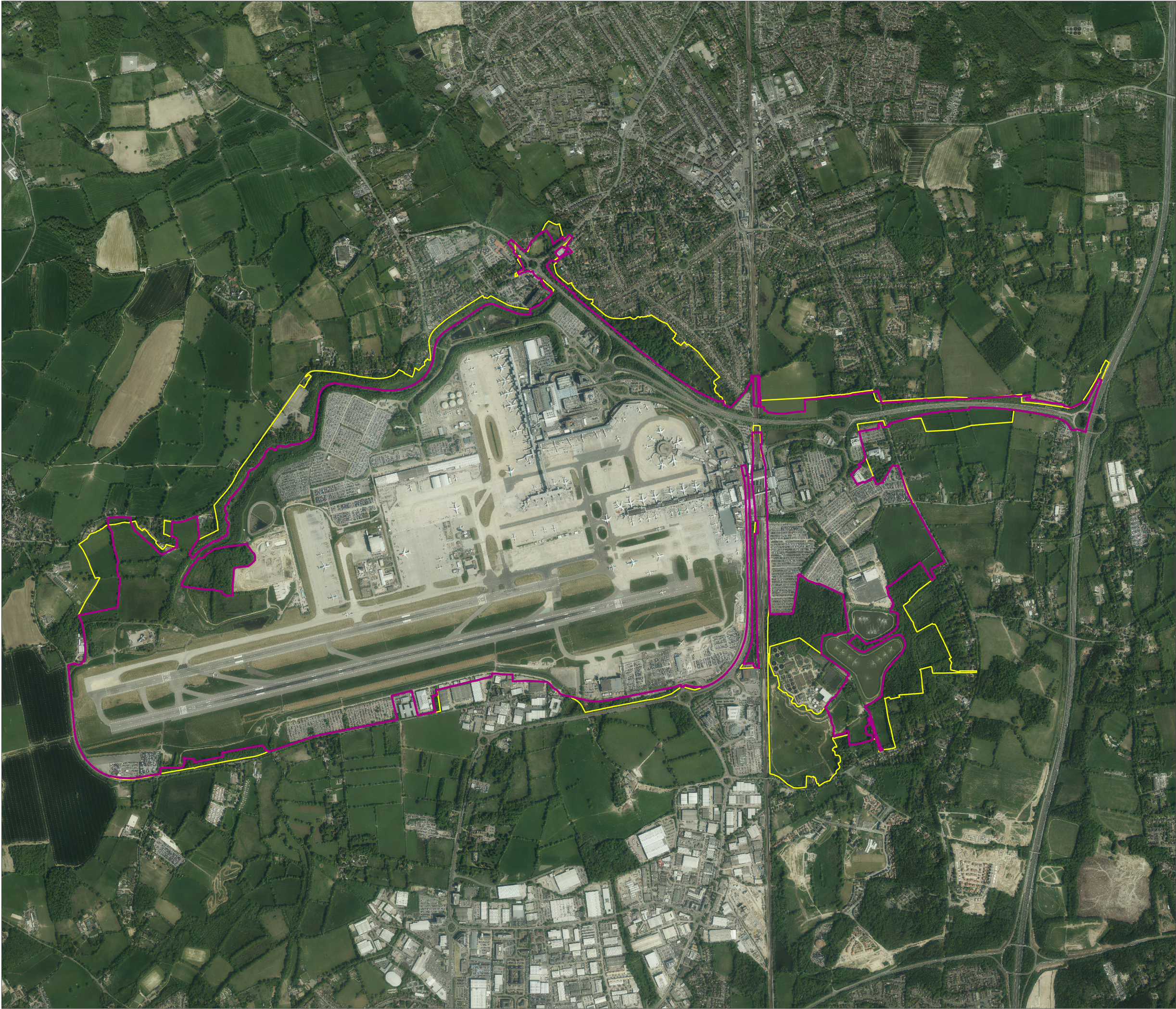
Book 5

VERSION: 1.0


DATE: JULY 2023


Application Document Ref: 5.3

PINS Reference Number: TR020005



KEY

 Project Site Boundary (ES)

 Previous boundary used for survey

DOCUMENT


Environmental Statement

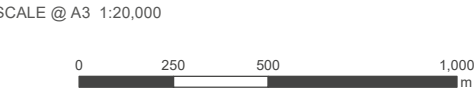
DRAWING TITLE

Breeding Bird Survey Area Covered

DATE

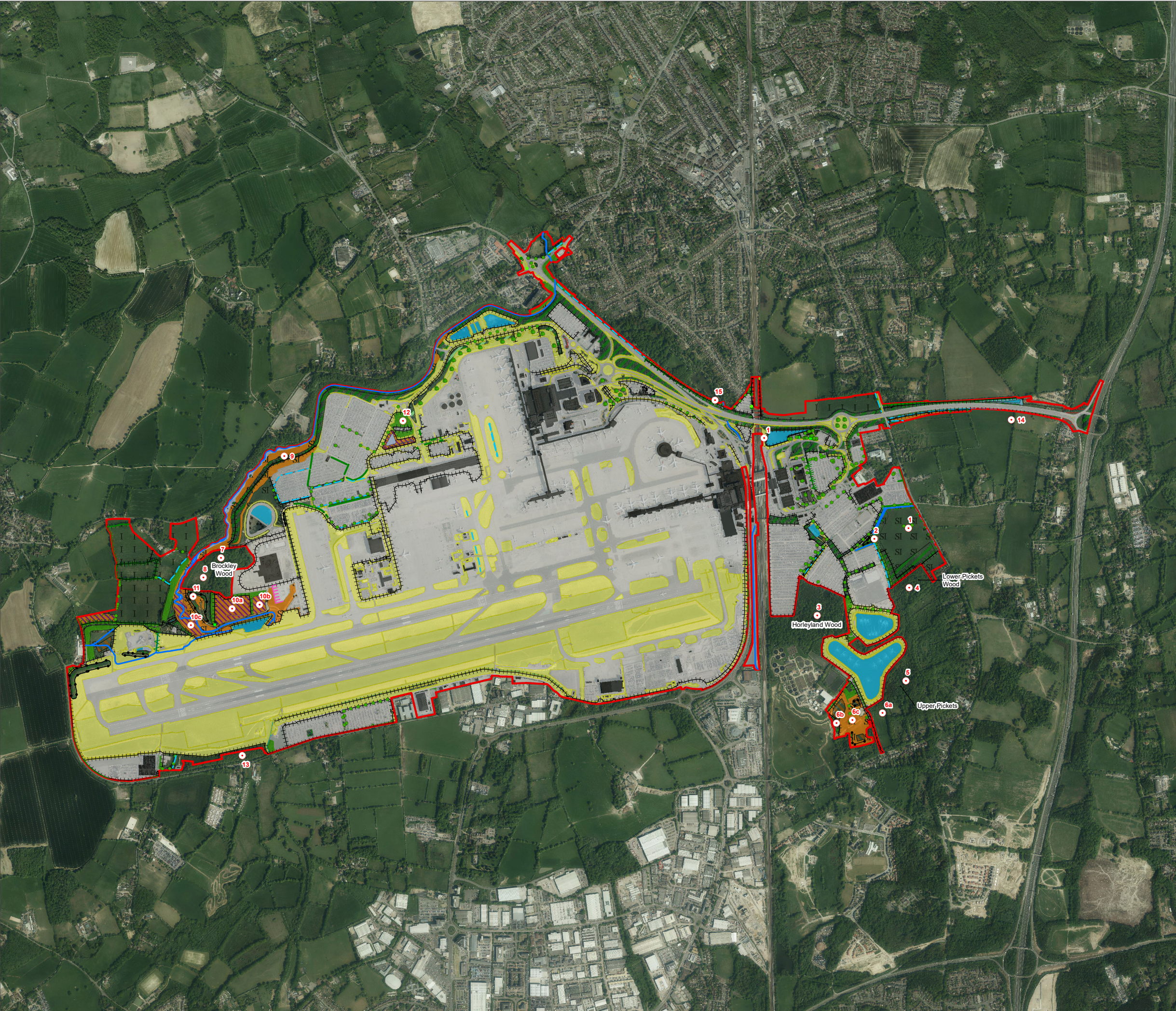
July 2023

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	FIGURE 2.4.1	For ES Issue
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KEY

- Project Site Boundary
- Phase 1 target notes
- Scattered tree - broadleaved
- Scattered tree - coniferous
- Broadleaved Parkland/scattered trees
- Mixed Parkland/scattered trees
- Intact hedge - native species-rich
- Intact hedge - species-poor
- Defunct hedge - native species-rich
- Defunct hedge - species-poor
- Hedge with trees - native species-rich
- Hedge with trees - species-poor
- Fence
- Dry ditch
- Earth bank
- Running water
- Wall
- Broadleaved woodland - semi-natural
- Broadleaved woodland - plantation
- Mixed woodland - semi-natural
- Mixed woodland - plantation
- Scrub - dense/continuous
- Scrub - scattered
- Broadleaved Parkland/scattered trees
- Neutral grassland - semi-improved
- Improved grassland
- Marsh/marshy grassland
- Poor semi-improved grassland
- Tall ruderal
- Swamp
- Marginal vegetation
- Water body
- Amenty grassland
- Ephemeral/short perennial
- Introduced shrub/ornamental planting
- Buildings
- Bare ground
- Other
- Hard standing
- No access

DOCUMENT

Environmental Statement

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Phase 1 Habitat Survey

DATE

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FIGURE 3.1.1

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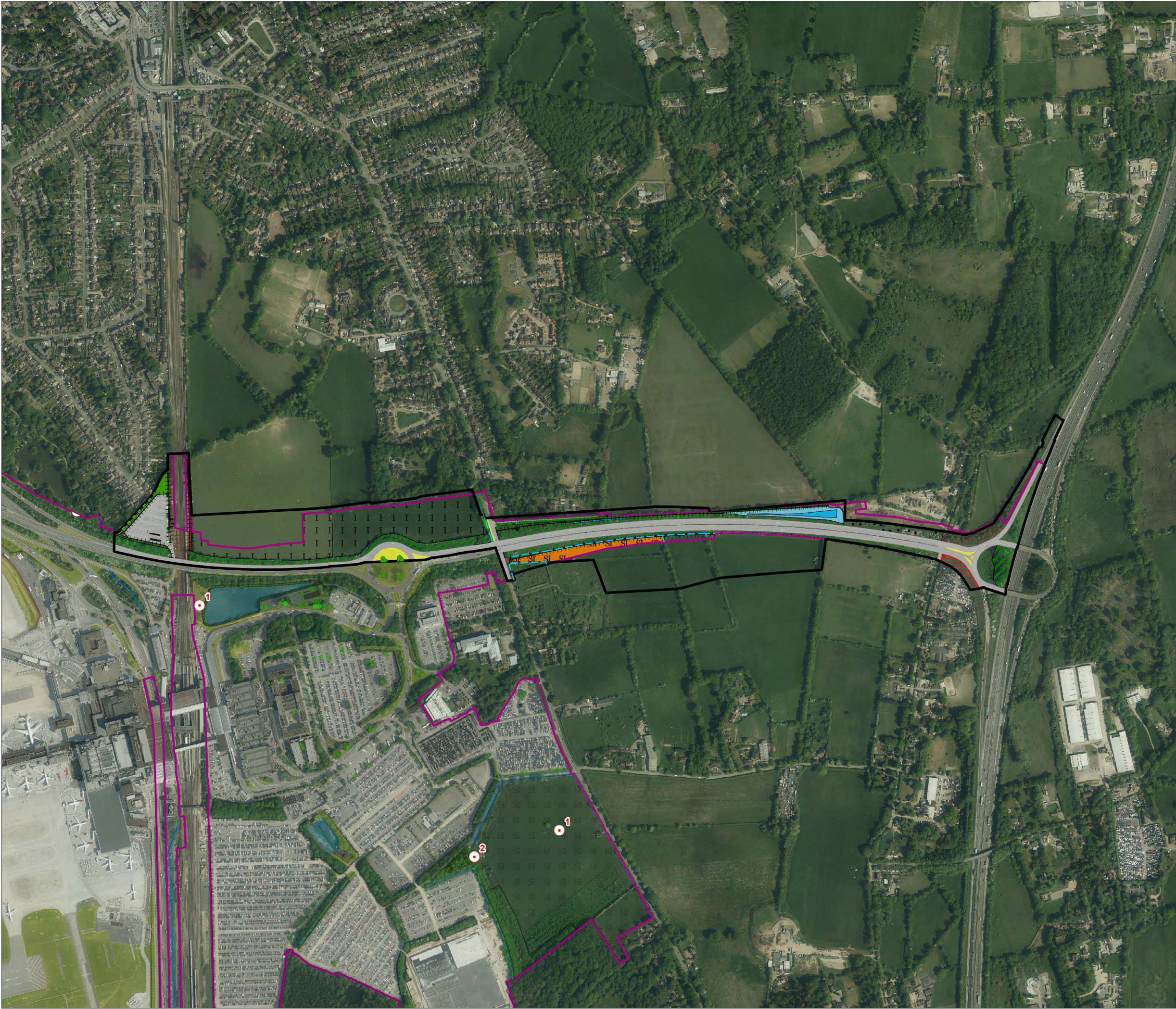
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





















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KEY

-  Project Site Boundary (ES)
-  Ecology Parcel
-  Phase 1 target notes
-  Scattered tree - broadleaved
-  Line of trees
-  Mixed Parkland/scattered trees
-  Hedge with trees - species-poor
-  Fence
-  Dry ditch
-  Broadleaved woodland - semi-natural
-  Broadleaved woodland - plantation
-  Mixed woodland - semi-natural
-  Scrub - dense/continuous
-  Scrub - scattered
-  Broadleaved Parkland/scattered trees
-  Neutral grassland - semi-improved
-  Improved grassland
-  Poor semi-improved grassland
-  Tall ruderal
-  Swamp
-  Water body
-  Amentiy grassland
-  Introduced shrub/ornamental planting
-  Buildings
-  Bare ground
-  Hard standing
-  No access

DOCUMENT

Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A1
Fields north and south of M23 for construction
laydown plus link to J9

DATE

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FIGURE 3.1.2a

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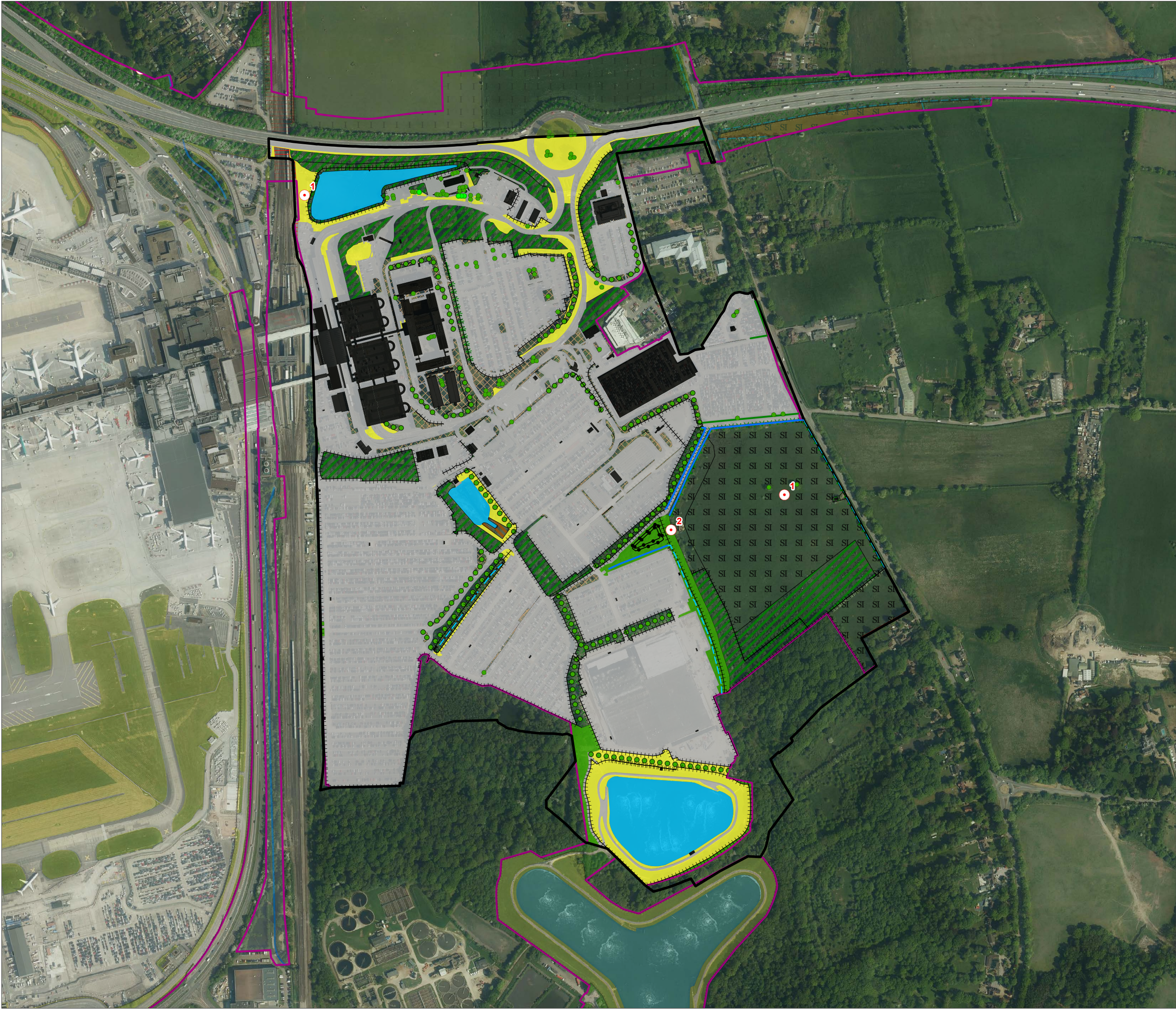
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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Phase 1 target notes
 - Scattered tree - broadleaved
 - Scattered tree - coniferous
 - Line of trees
 - Intact hedge - native species-rich
 - Intact hedge - species-poor
 - Defunct hedge - native species-rich
 - Hedge with trees - native species-rich
 - Fence
 - Dry ditch
 - Earth bank
 - Running water
 - Broadleaved woodland - semi-natural
 - Broadleaved woodland - plantation
 - Scrub - dense/continuous
 - Scrub - scattered
 - Poor semi-improved grassland
 - Tall ruderal
 - Water body
 - Amentiy grassland
 - Introduced shrub/ornamental planting
 - Buildings
 - Bare ground
 - Hard standing
 - No access

DOCUMENT


Environmental Statement

DRAWING TITLE

**Phase 1 Habitat Survey - A2
Eastern carparking and associated surface water
features**

DATE

July 2023

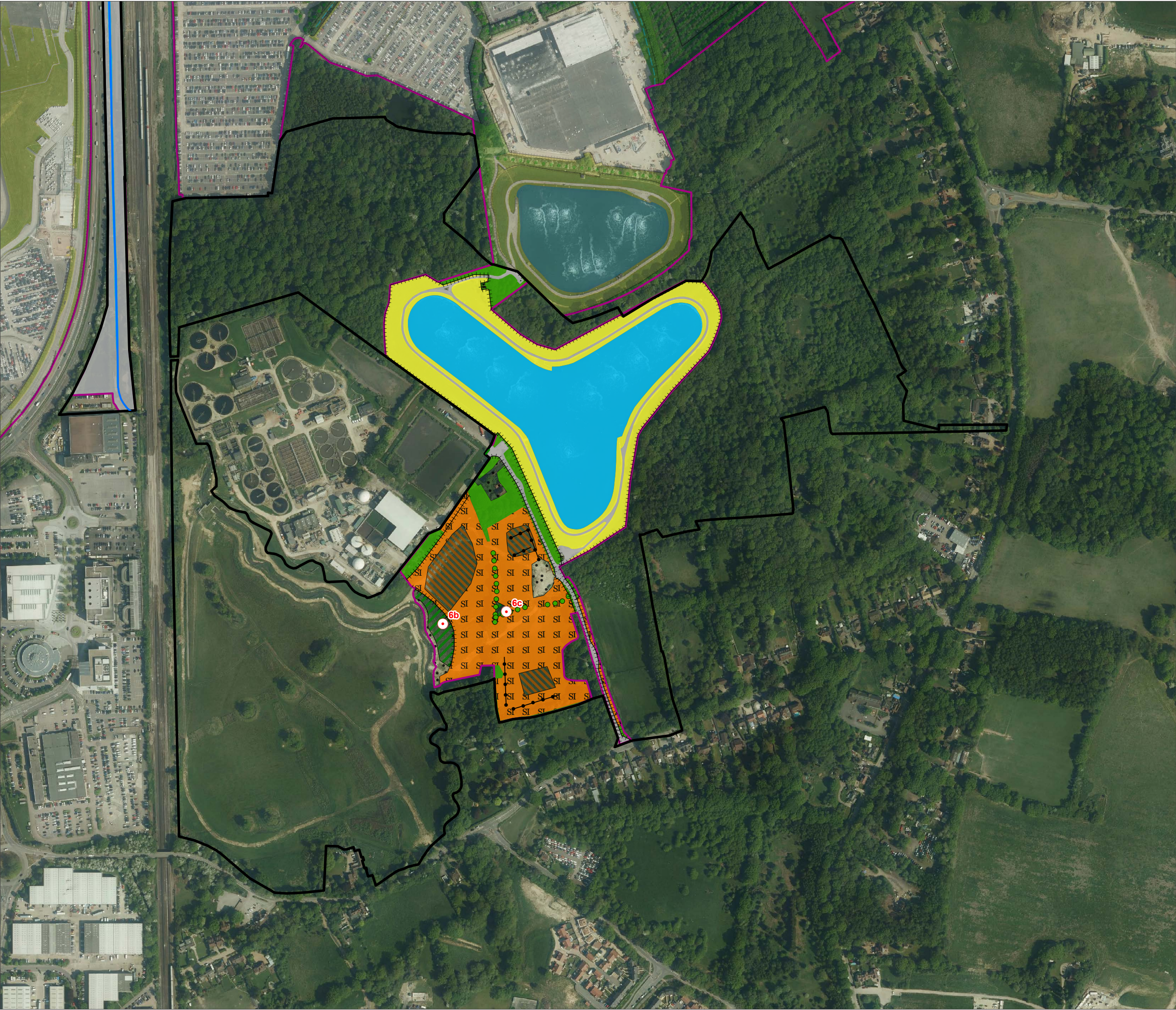
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






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KEY

-  Project Site Boundary (ES)
-  Ecology Parcel
-  Phase 1 target notes
-  Line of trees
-  Intact hedge - species-poor
-  Fence
-  Earth bank
-  Running water
-  Broadleaved woodland - semi-natural
-  Broadleaved woodland - plantation
-  Neutral grassland - semi-improved
-  Tall ruderal
-  Water body
-  Amentiy grassland
-  Buildings
-  Bare ground
-  Hard standing
-  No access

DOCUMENT

Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A3
Land East of the Railway Line

DATE

July 2023

ORIENTATION



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FIGURE 3.1.2c

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Issue

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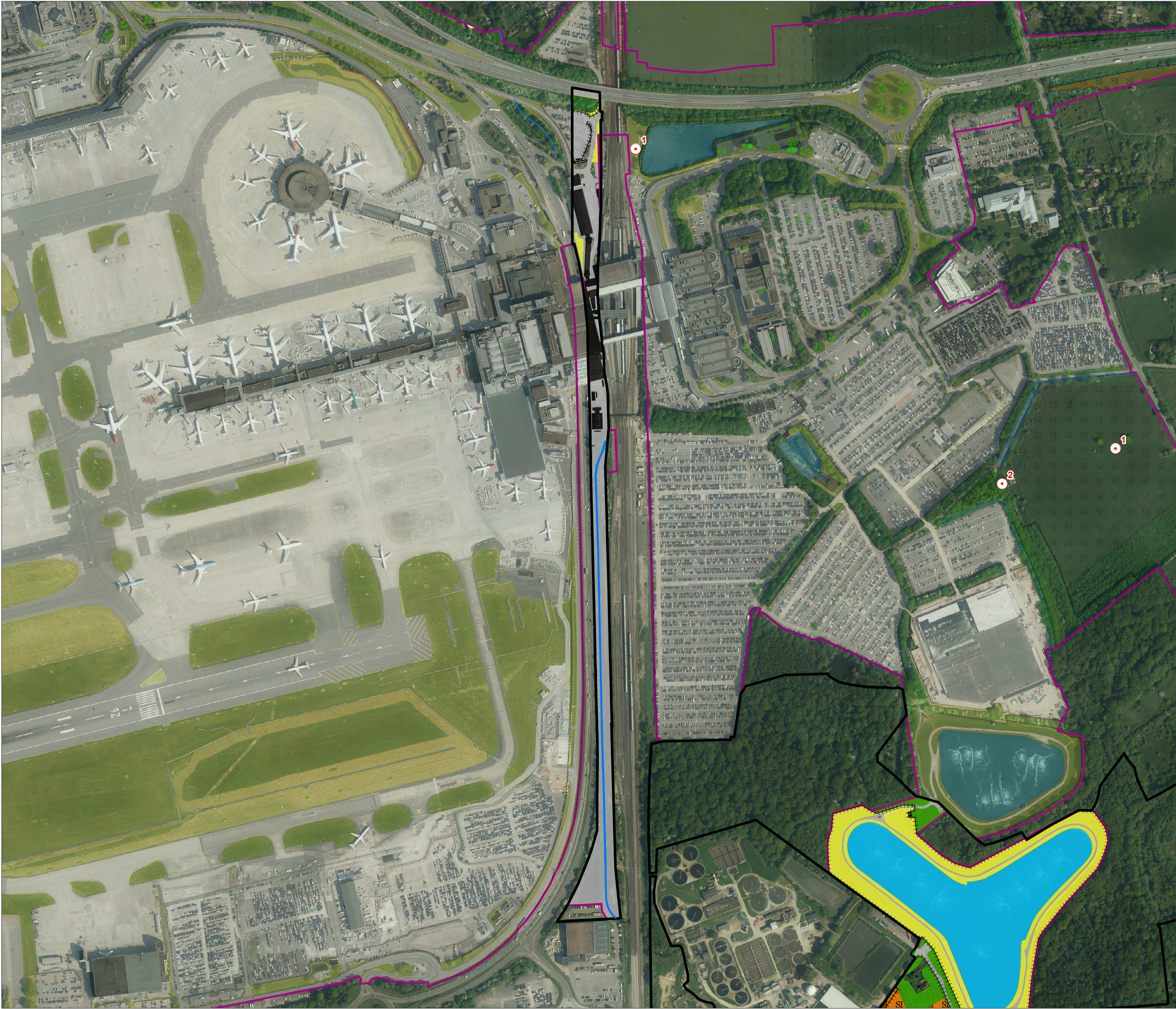
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KEY

-  Project Site Boundary (ES)
-  Ecology Parcel
-  Phase 1 target notes
-  Intact hedge - species-poor
-  Fence
-  Running water
-  Broadleaved woodland - semi-natural
-  Broadleaved woodland - plantation
-  Neutral grassland - semi-improved
-  Water body
-  Amentiy grassland
-  Introduced shrub/ornamental planting
-  Buildings
-  Bare ground
-  Hard standing
-  No access

DOCUMENT

Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A3
Land East of the Railway Line

DATE

July 2023

ORIENTATION



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FIGURE 3.1.2d

REVISION

For ES
Issue

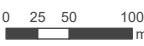
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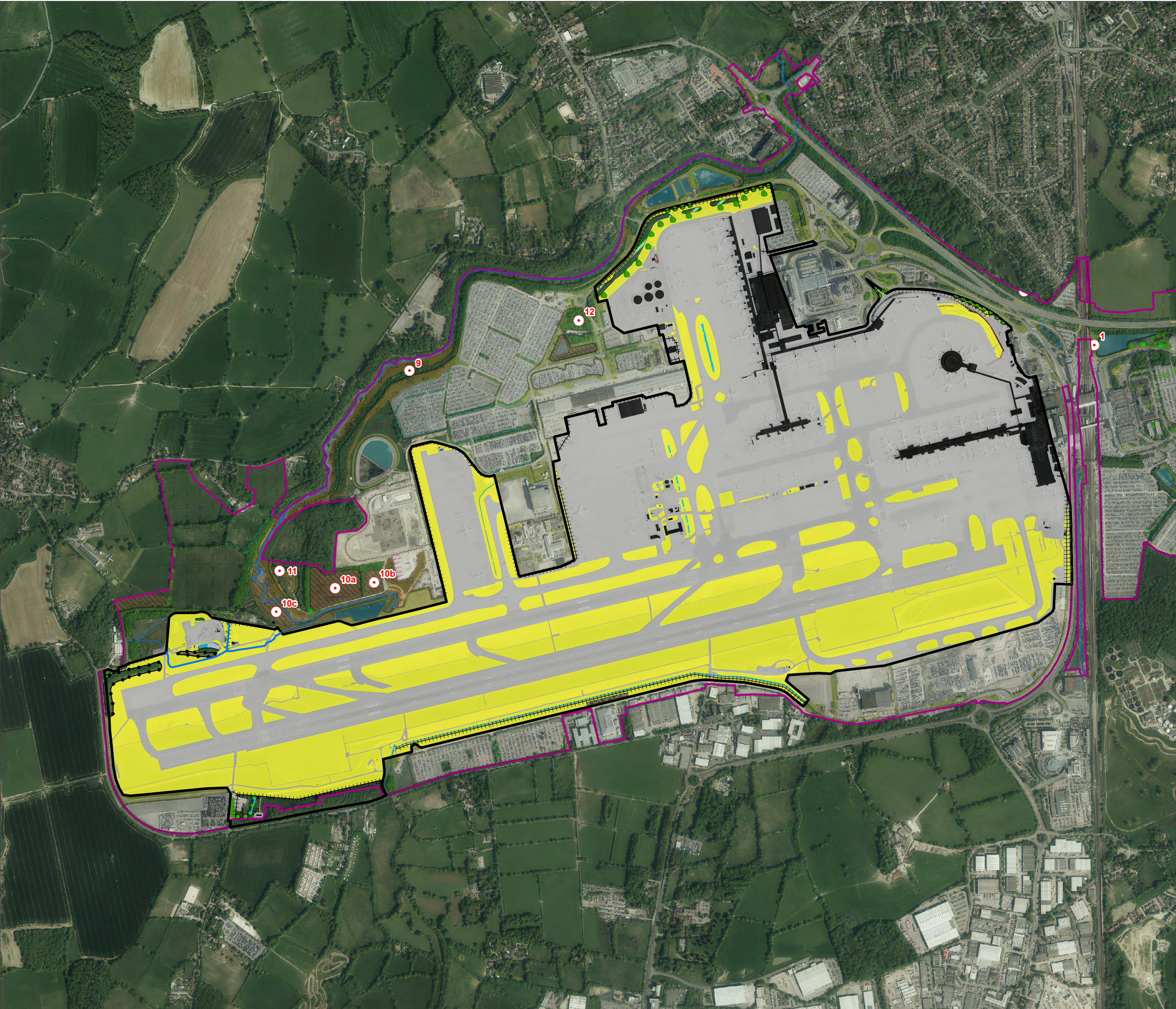
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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Phase 1 target notes
 - Scattered tree - broadleaved
 - Line of trees
 - Intact hedge - native species-rich
 - Defunct hedge - species-poor
 - Fence
 - Dry ditch
 - Earth bank
 - Running water
 - Broadleaved woodland - semi-natural
 - Mixed woodland - plantation
 - Scrub - dense/continuous
 - Scrub - scattered
 - Neutral grassland - semi-improved
 - Improved grassland
 - Marsh/marshy grassland
 - Poor semi-improved grassland
 - Marginal vegetation
 - Water body
 - Amentiy grassland
 - Introduced shrub/ornamental planting
 - Buildings
 - Bare ground
 - Other
 - Hard standing
 - No access

DOCUMENT


Environmental Statement

DRAWING TITLE

**Phase 1 Habitat Survey - A4
Airside**

DATE

July 2023

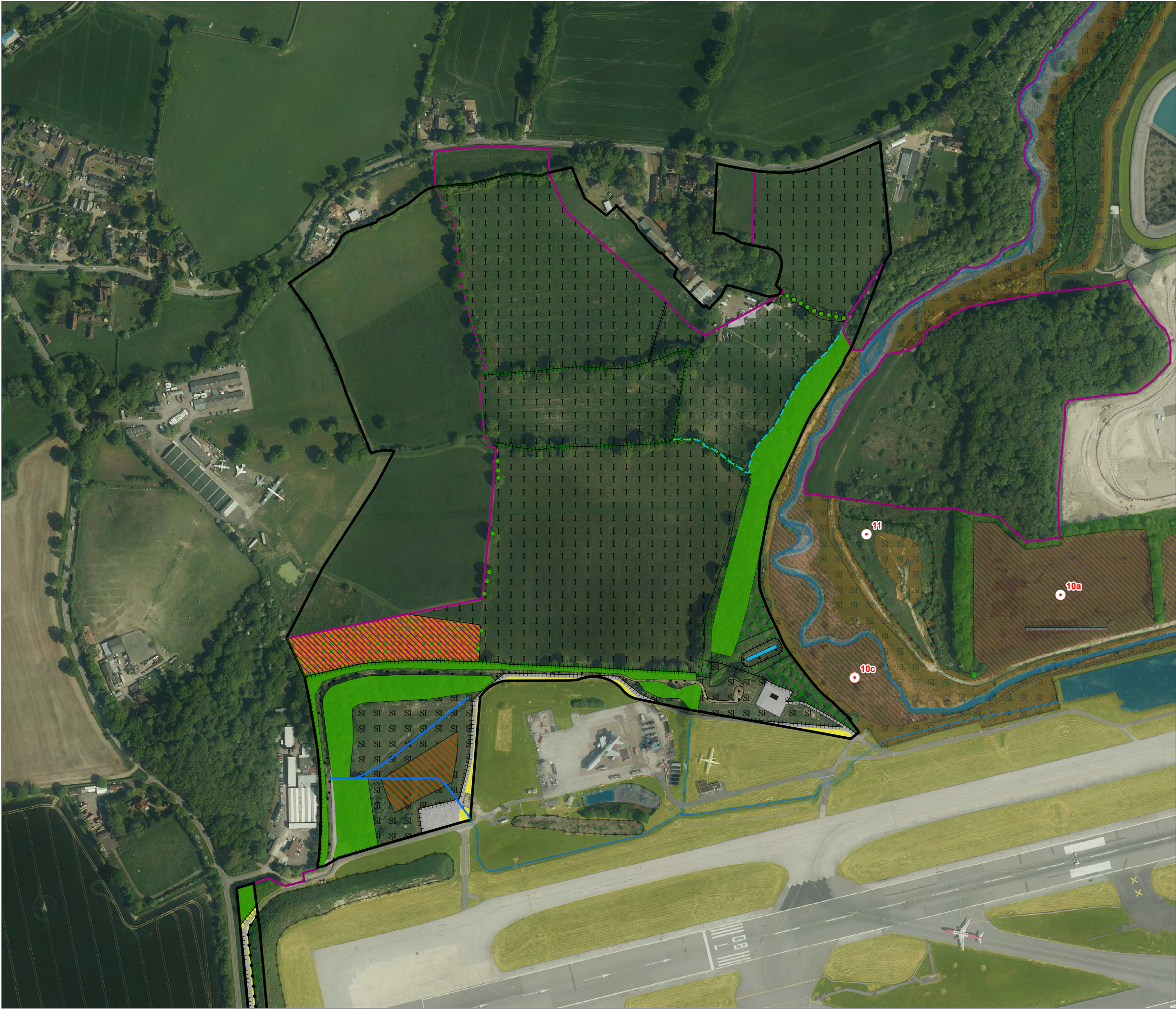
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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Phase 1 target notes
 - Scattered tree - broadleaved
 - Line of trees
 - Intact hedge - species-poor
 - Hedge with trees - species-poor
 - Fence
 - Dry ditch
 - Earth bank
 - Running water
 - Broadleaved woodland - semi-natural
 - Scrub - dense/continuous
 - Scrub - scattered
 - Neutral grassland - semi-improved
 - Improved grassland
 - Marsh/marshy grassland
 - Poor semi-improved grassland
 - Tall ruderal
 - Water body
 - Amentiy grassland
 - Buildings
 - Bare ground
 - Hard standing

DOCUMENT


Environmental Statement

DRAWING TITLE

**Phase 1 Habitat Survey - A5
Non-Airside South and Land East of the Aviation
Museum**

DATE

July 2023

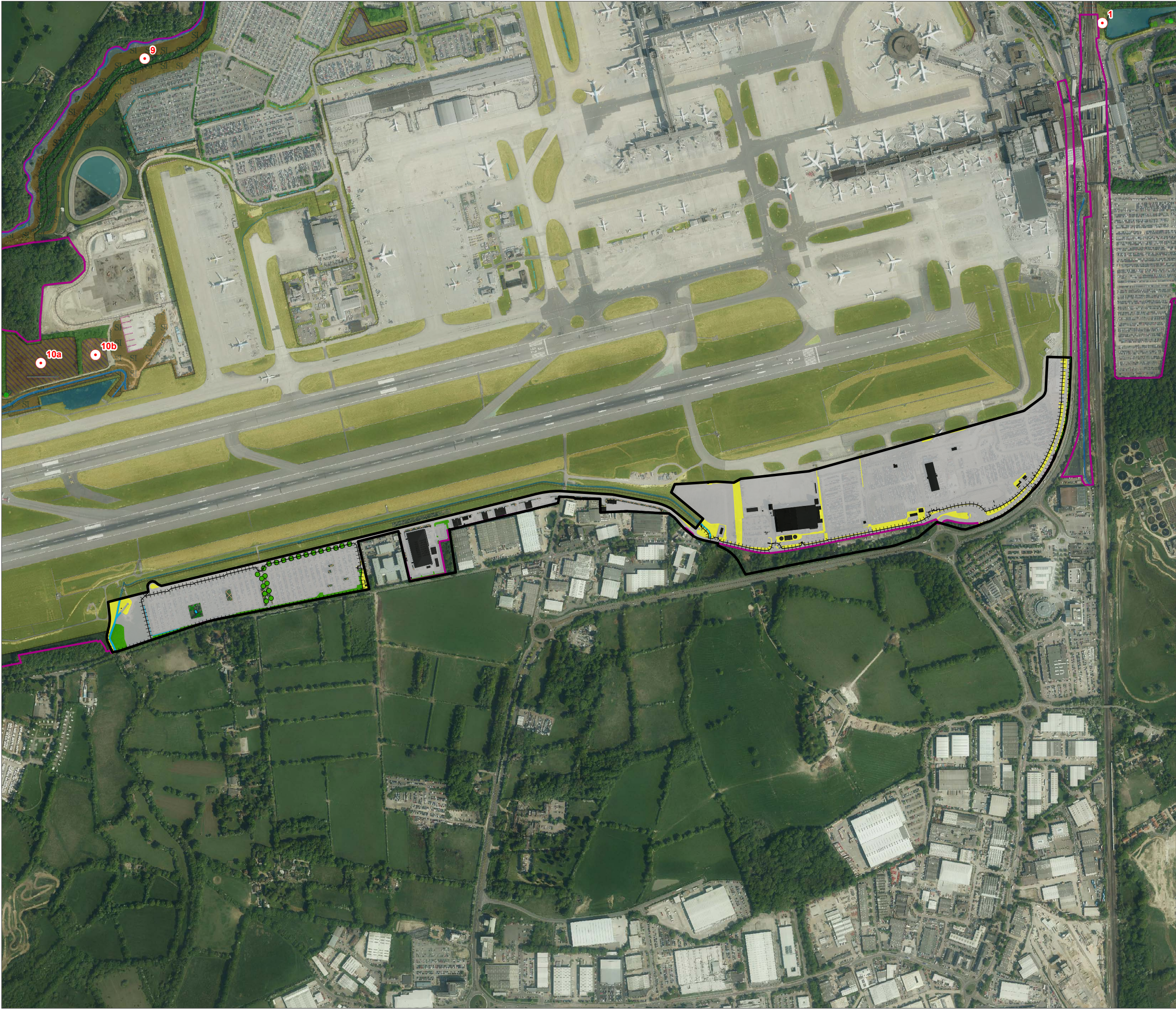
<p>ORIENTATION</p> 	DRAWING NO.	REVISION
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SCALE @ A3 1:4,000

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- KEY
- Project Site Boundary (ES)
 - Ecology Parcel
 - Phase 1 target notes
 - Line of trees
 - Defunct hedge - species-poor
 - Fence
 - Broadleaved woodland - semi-natural
 - Scrub - dense/continuous
 - Water body
 - Amentiy grassland
 - Introduced shrub/ornamental planting
 - Buildings
 - Hard standing

DOCUMENT


Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A5
Non-Airside South and Land East of the Aviation
Museum

DATE

July 2023

<p>ORIENTATION</p> 	DRAWING NO.	REVISION
	FIGURE 3.1.2g	For ES Issue
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SCALE @ A3 1:10,000

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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Intact hedge - species-poor
 - Fence
 - Earth bank
 - Running water
 - Broadleaved woodland - semi-natural
 - Scrub - scattered
 - Poor semi-improved grassland
 - Tall ruderal
 - Water body
 - Amentiy grassland
 - Introduced shrub/ornamental planting
 - Buildings
 - Bare ground
 - Other
 - Hard standing

DOCUMENT


Environmental Statement

DRAWING TITLE

**Phase 1 Habitat Survey - A5
Non-Airside South and Land East of the Aviation
Museum**

DATE

July 2023

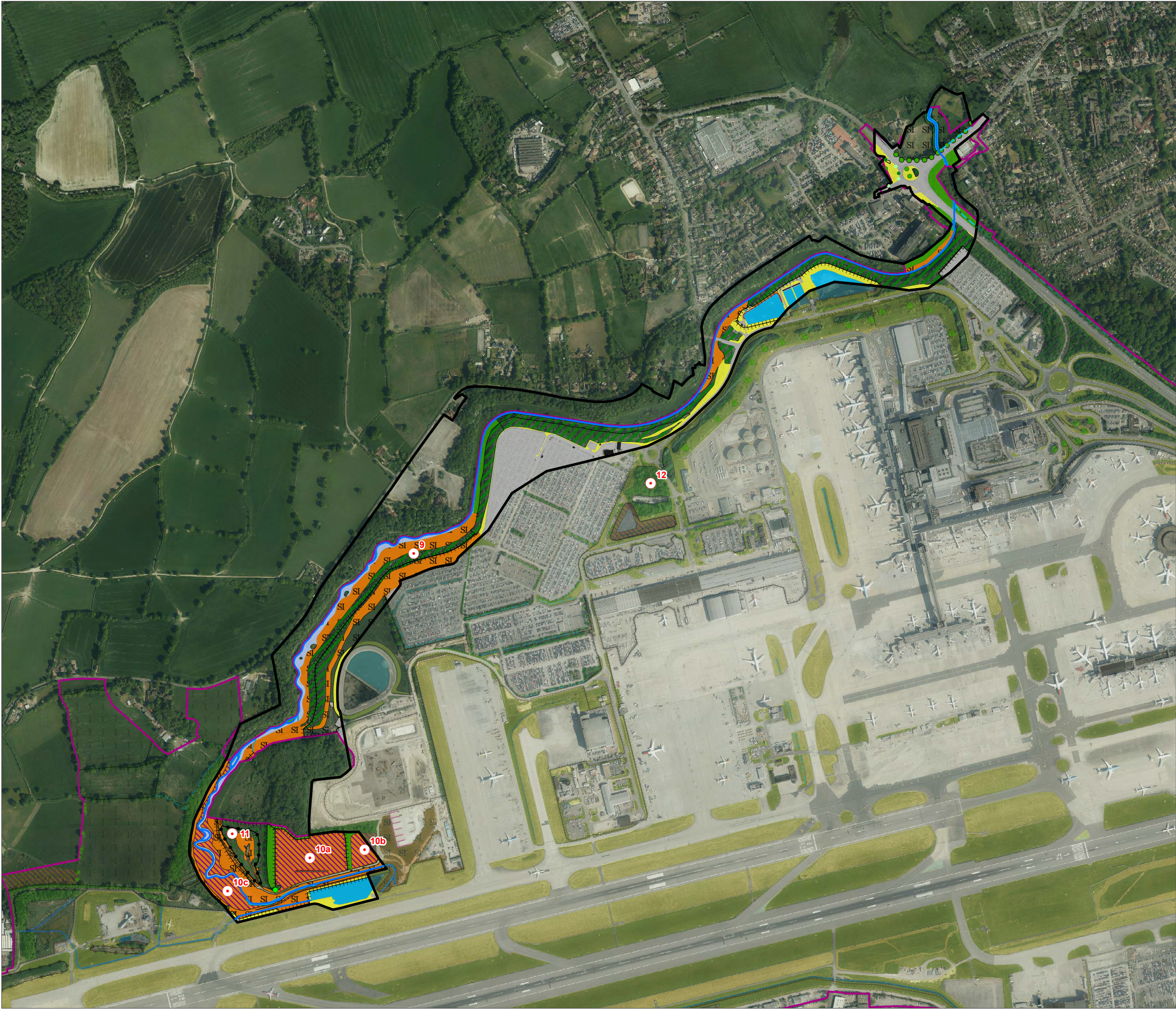
<p>ORIENTATION</p> 	DRAWING NO.	REVISION
	FIGURE 3.1.2h	For ES Issue
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KEY

- Project Site Boundary (ES)
- Ecology Parcel
- Phase 1 target notes
 - Scattered tree - broadleaved
 - Scattered tree - coniferous
 - Line of trees
 - Mixed Parkland/scattered trees
- Fence
- Dry ditch
- Earth bank
- Running water
- Broadleaved woodland - semi-natural
- Broadleaved woodland - plantation
- Scrub - dense/continuous
- Scrub - scattered
- Broadleaved Parkland/scattered trees
- Neutral grassland - semi-improved
- Improved grassland
- Marsh/marshy grassland
- Poor semi-improved grassland
- Marginal vegetation
- Water body
- Amenty grassland
- Introduced shrub/ornamental planting
- Buildings
- Bare ground
- Other
- Hard standing

DOCUMENT

Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A6
The North West Zone, Containing the River Mole
Corridor and Brockley Wood Biodiversity Area

DATE

July 2023

ORIENTATION



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FIGURE 3.1.2i

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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Phase 1 target notes
 - Line of trees
 - Intact hedge - species-poor
 - Defunct hedge - species-poor
 - Fence
 - Dry ditch
 - Earth bank
 - Running water
 - Wall
 - Broadleaved woodland - semi-natural
 - Mixed woodland - plantation
 - Scrub - dense/continuous
 - Scrub - scattered
 - Broadleaved Parkland/scattered trees
 - Neutral grassland - semi-improved
 - Improved grassland
 - Marsh/marshy grassland
 - Poor semi-improved grassland
 - Marginal vegetation
 - Water body
 - Amentiy grassland
 - Ephemeral/short perennial
 - Introduced shrub/ornamental planting
 - Buildings
 - Bare ground
 - Hard standing

DOCUMENT


Environmental Statement

DRAWING TITLE

**Phase 1 Habitat Survey - A7
Non-airside north**

DATE

July 2023

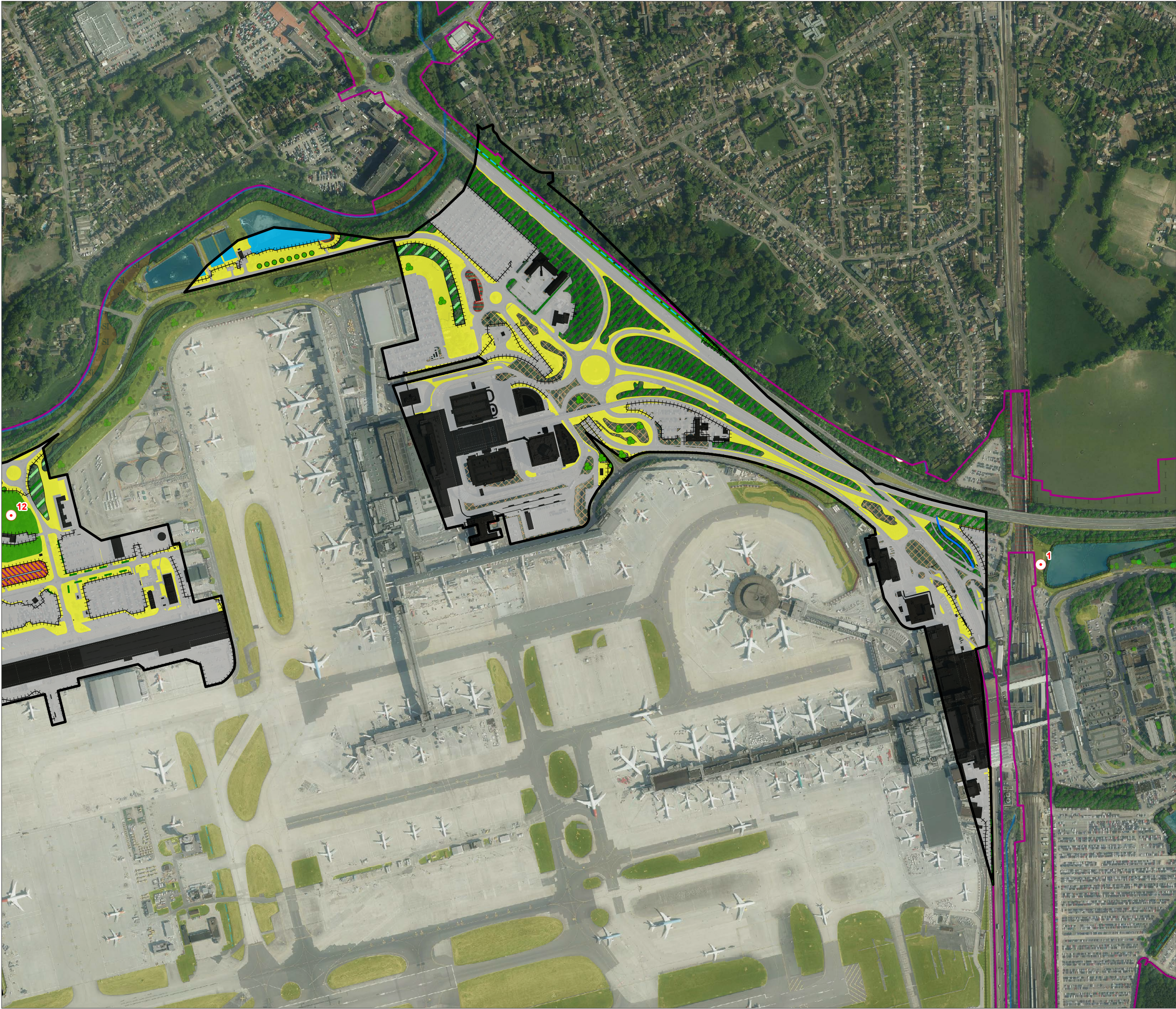
<p>ORIENTATION</p> 	DRAWING NO.	REVISION
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SCALE @ A3 1:6,000

0 25 50 100
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KEY

- Project Site Boundary (ES)
- Ecology Parcel
- Phase 1 target notes
- Scattered tree - broadleaved
- Line of trees
- Defunct hedge - species-poor
- Hedge with trees - native species-rich
- Fence
- Dry ditch
- Running water
- Broadleaved woodland - semi-natural
- Broadleaved woodland - plantation
- Mixed woodland - plantation
- Scrub - dense/continuous
- Scrub - scattered
- Marsh/marshy grassland
- Poor semi-improved grassland
- Marginal vegetation
- Water body
- Amentiy grassland
- Introduced shrub/ornamental planting
- Buildings
- Bare ground
- Other
- Hard standing
- No access

DOCUMENT

Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A7
Non-airside north

DATE

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ORIENTATION



DRAWING NO.

FIGURE 3.1.2k

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- KEY**
- Project Site Boundary (ES)
 - Ecology Parcel
 - Hedge with trees - native species-rich
 - Fence
 - Running water
 - Broadleaved woodland - semi-natural
 - Broadleaved woodland - plantation
 - Scrub - dense/continuous
 - Scrub - scattered
 - Poor semi-improved grassland
 - Water body
 - Amenity grassland
 - Hard standing

DOCUMENT


Environmental Statement

DRAWING TITLE

Phase 1 Habitat Survey - A8
Riverside Garden Park

DATE

July 2023

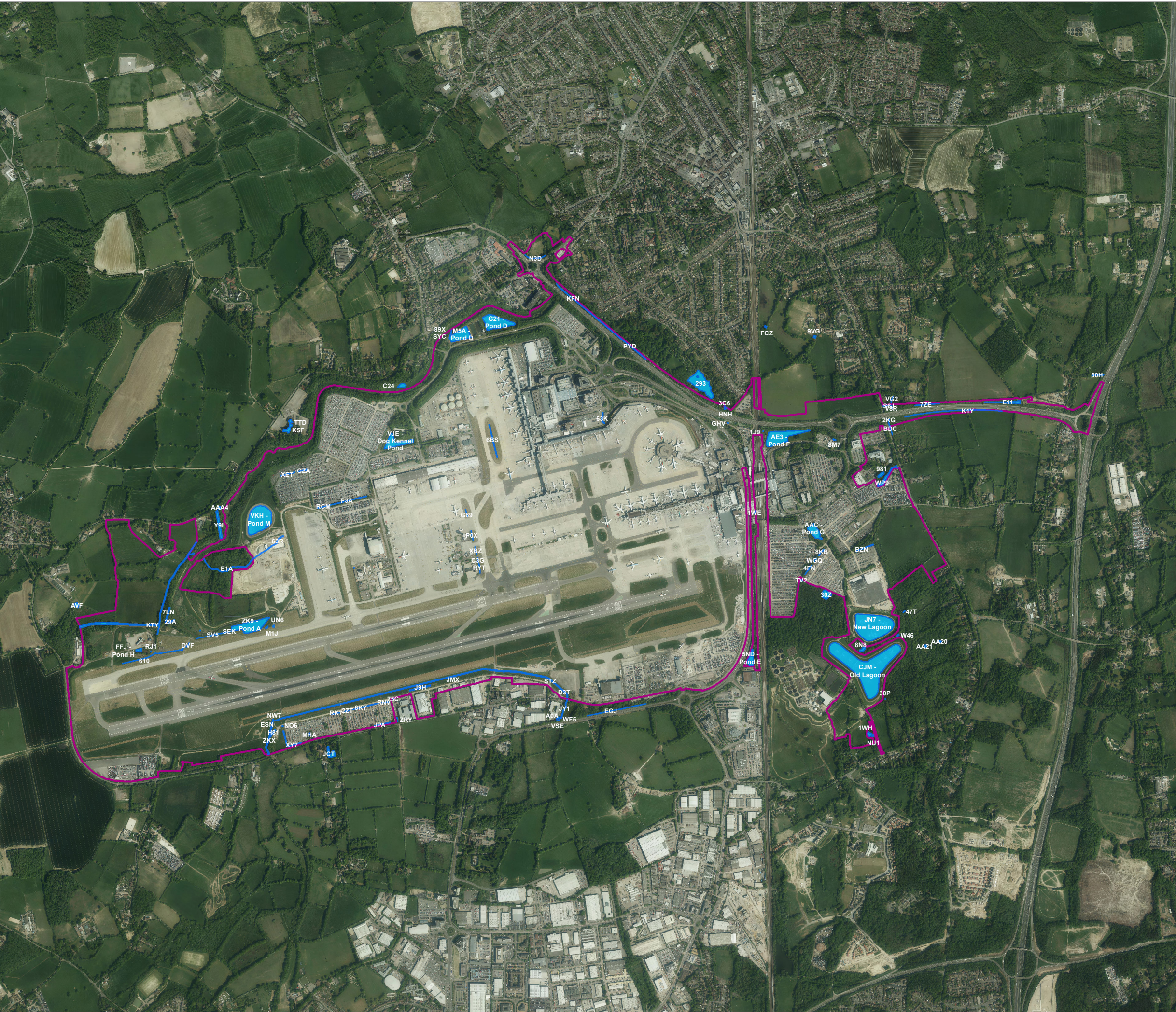
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KEY

-  Project Site Boundary (ES)
-  Pond locations

DOCUMENT

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Pond locations surveyed 2019

DATE

July 2023

ORIENTATION



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FIGURE 3.1.3a

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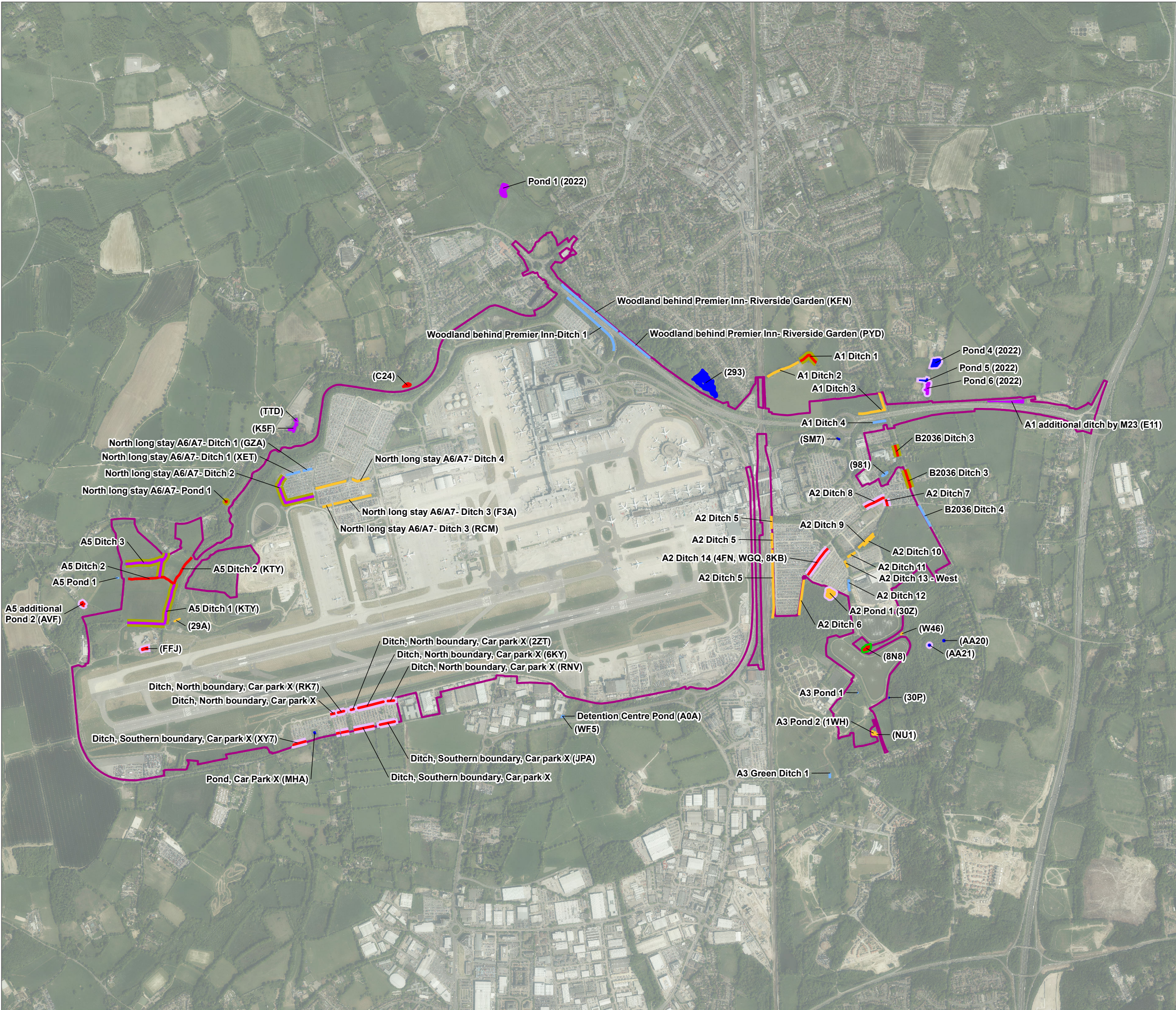
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- KEY
- Project Site Boundary (ES)
 - eDNA Results
 - Positive
 - Negative
 - Surveyed
 - HSI Results
 - Excellent
 - Good
 - Average
 - Below average
 - Poor

DOCUMENT


Environmental Statement

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2022 Ponds and Ditches Surveyed

DATE

July 2023

	DRAWING NO.	REVISION
	FIGURE 3.1.3b	For ES Issue
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	MP	GT

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0 250 500 1,000 m

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