

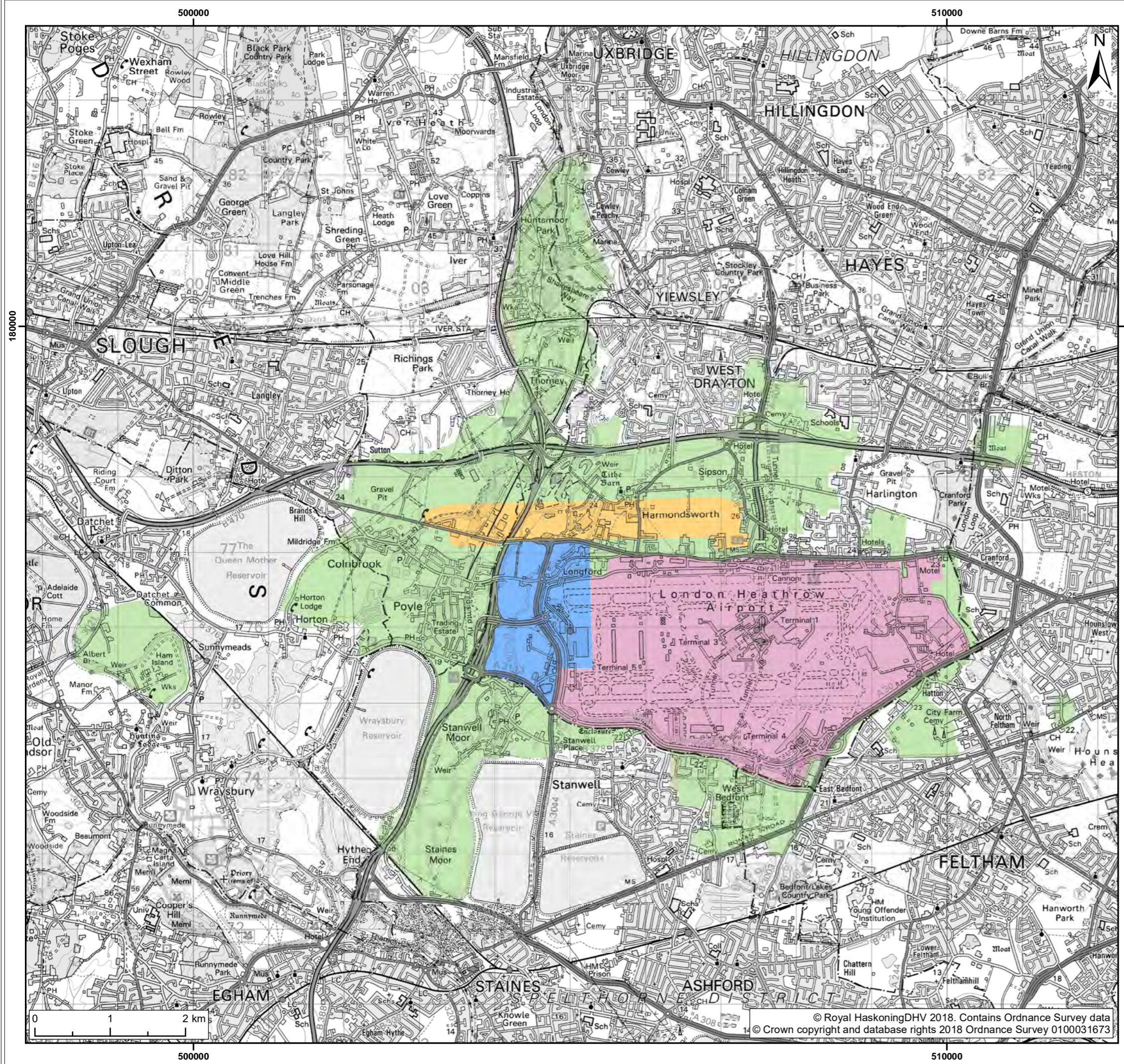


# Heathrow Western Hub

*EIA SCOPING REPORT – FIGURES*

Revision: P03

Date: February 2019



- Legend:
- Principal works area under consideration for Heathrow Western Hub - including terminal facilities and airfield expansion, as well as retention of existing uses where appropriate.
  - Existing airport - including changes to existing infrastructure to enable development and operation of the Heathrow Western Hub, as well as retention of existing uses where appropriate.
  - Proposed northwest runway – component of the HAL DCO Project, to be considered as part of the Cumulative Effects Assessment.
  - Land being considered for associated works – including surface access, drainage and green infrastructure changes, construction facilities and displaced uses.\*

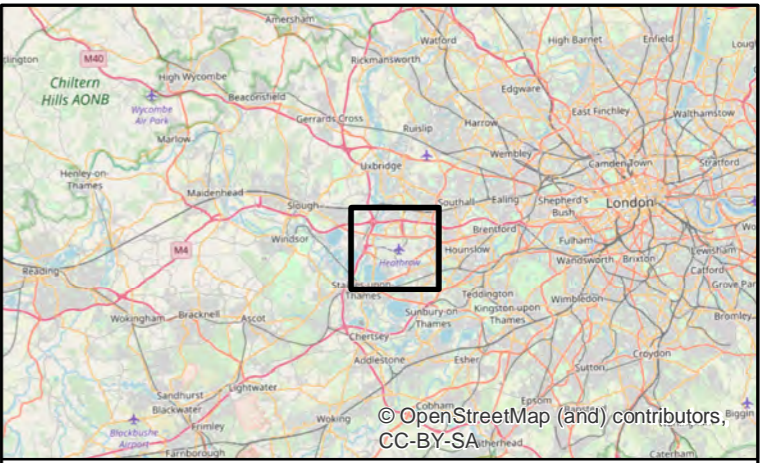
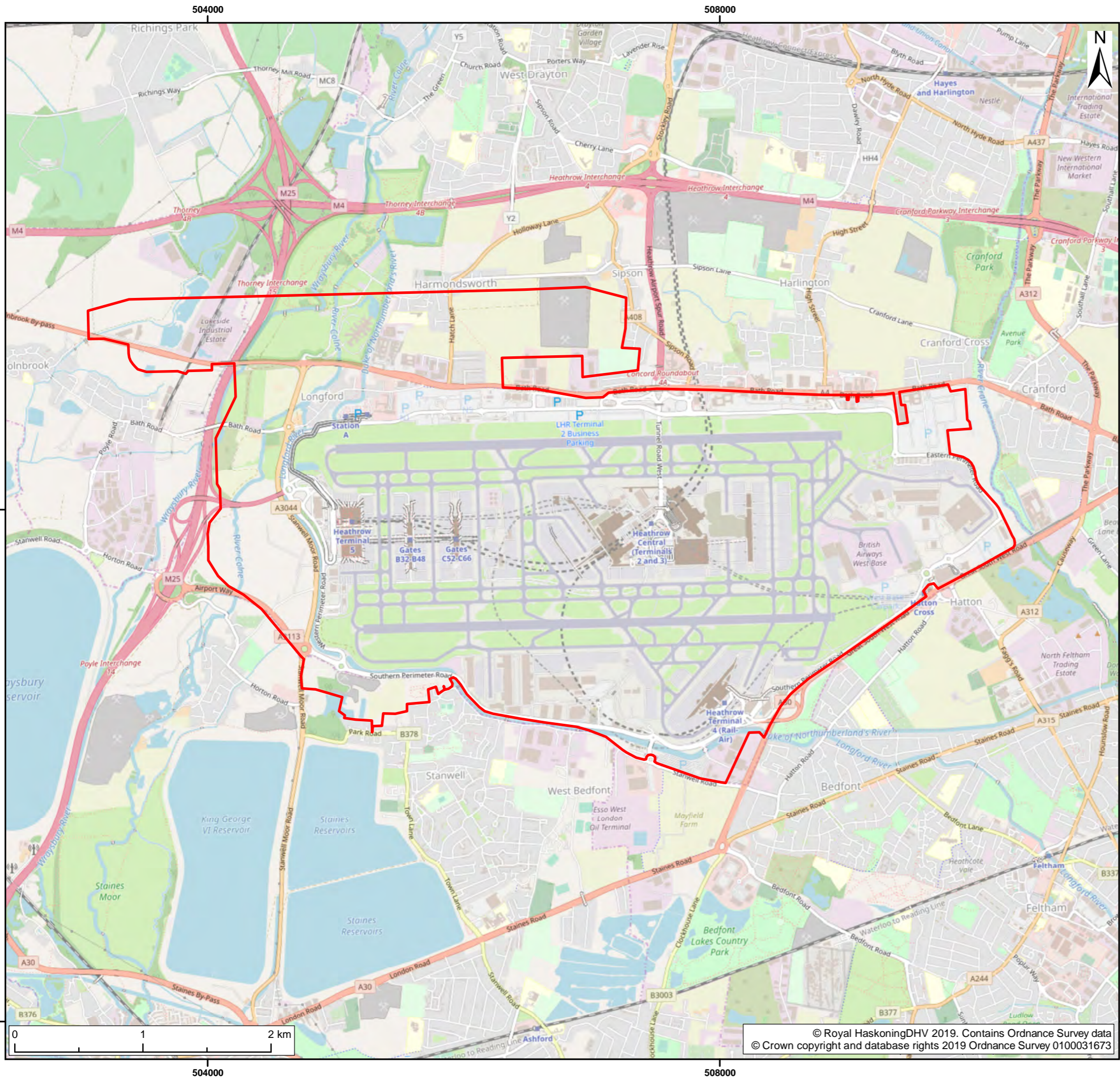
\*The Proposed Development provides an integrated solution with the HAL DCO Project. As a result, the Proposed Development will only include associated works that are necessary to deliver the terminal facilities, mitigate their impacts or physically accommodate them within the wider NRS being promoted by HAL. The information on the HAL DCO Project in the public domain contains a number of options, and therefore the exact development beyond the Western Hub area required has yet to be determined. At this stage, therefore, the extent of the Proposed Development for the purposes of this Scoping Report and the EIA scoping process more generally, is defined widely and is likely to be reduced following receipt of further information on the HAL DCO Project.

| S1  | P04 | 08/02/2019 | Updated drawing title | MFi | CG  | --  |
|-----|-----|------------|-----------------------|-----|-----|-----|
| SUI | REV | DATE       | DESCRIPTION           | DRW | CHK | APR |

Title:  
**Proposed Development**

|  |   |                    |
|--|---|--------------------|
| Figure: 1.1                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0180_SC_1_1 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                              | Scale:<br>1:50,000 |
| Project:<br><b>Heathrow Western Hub</b>      | Report:<br><b>Scoping Report</b>              |                    |





Legend:  
 NRS Illustrative Boundary

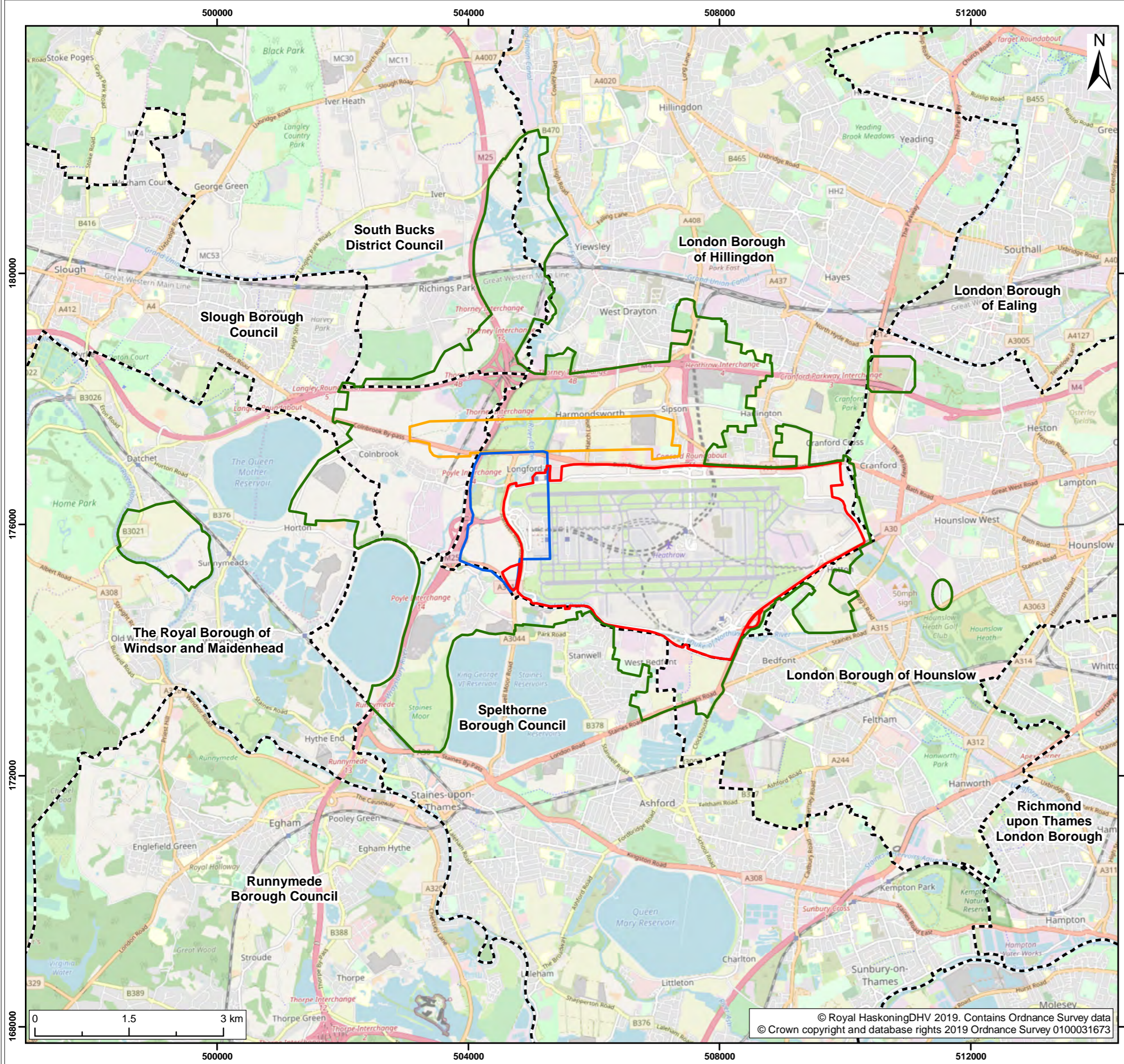
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 30/11/2018 | Suitable for Co-ordination | GC  | GC  | CD  |

Title:  
**NRS Illustrative Boundary**

|  |  |                    |
|--|--|--------------------|
| Figure: 1.2                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0144 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:30,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Local Planning Authority boundaries

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 09/01/2019 | Suitable for Co-ordination | GC  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

Title:  
Local authority boundaries

Figure: 1.3      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0146

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:60,000

Project: Heathrow Western Hub      Report: Scoping Report



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Legend:  
 Terminals and satellites  
 Runways

| S1  | P01 | 04/02/2019 | Initial version | MFi | CG  | --  |
|-----|-----|------------|-----------------|-----|-----|-----|
| SUI | REV | DATE       | DESCRIPTION     | DRW | CHK | APR |

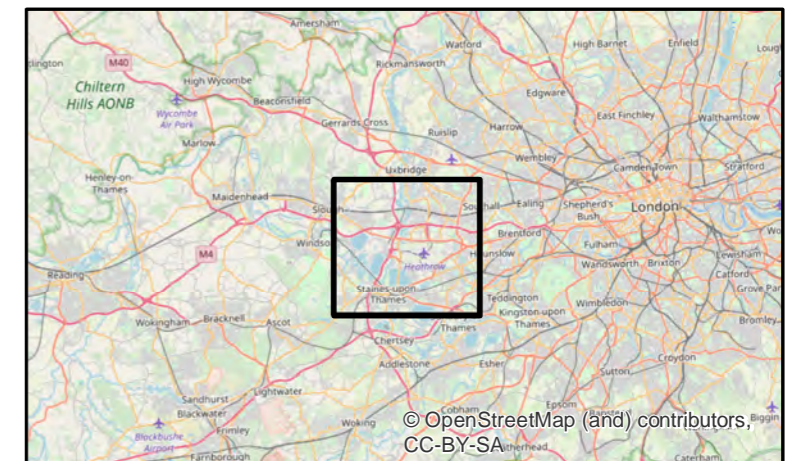
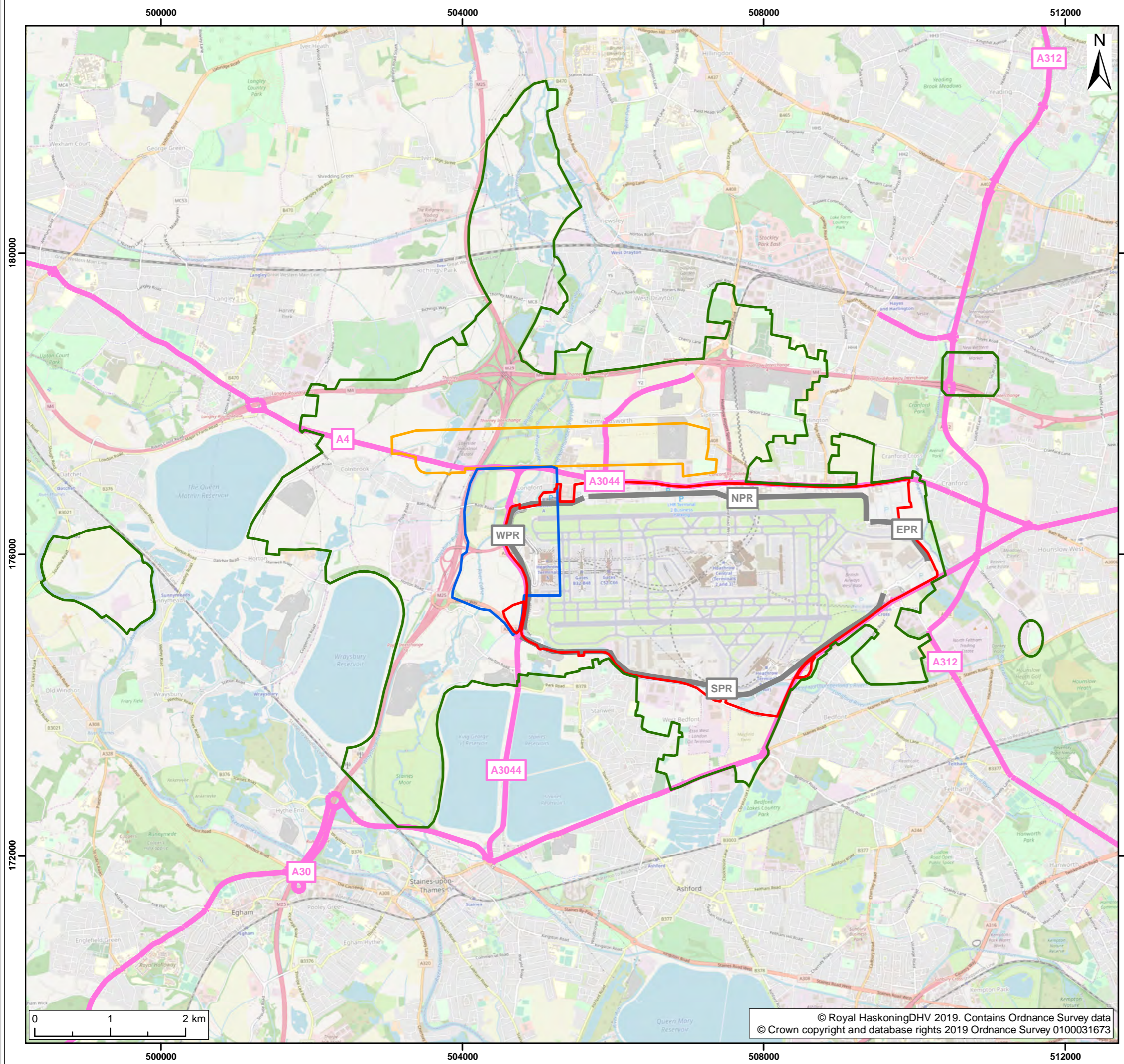
Title:  
 Location of existing terminals and runways

Figure: 2.1 Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0180\_SC\_2\_1

|  |                  |                    |
|--|------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3 | Scale:<br>1:20,000 |
|--|------------------|--------------------|

|                                  |                           |
|----------------------------------|---------------------------|
| Project:<br>Heathrow Western Hub | Report:<br>Scoping Report |
|----------------------------------|---------------------------|





- Legend:
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Existing perimeter roads
  - Existing local roads

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 09/01/2019 | Suitable for Co-ordination | GC  | GC  | CD  |

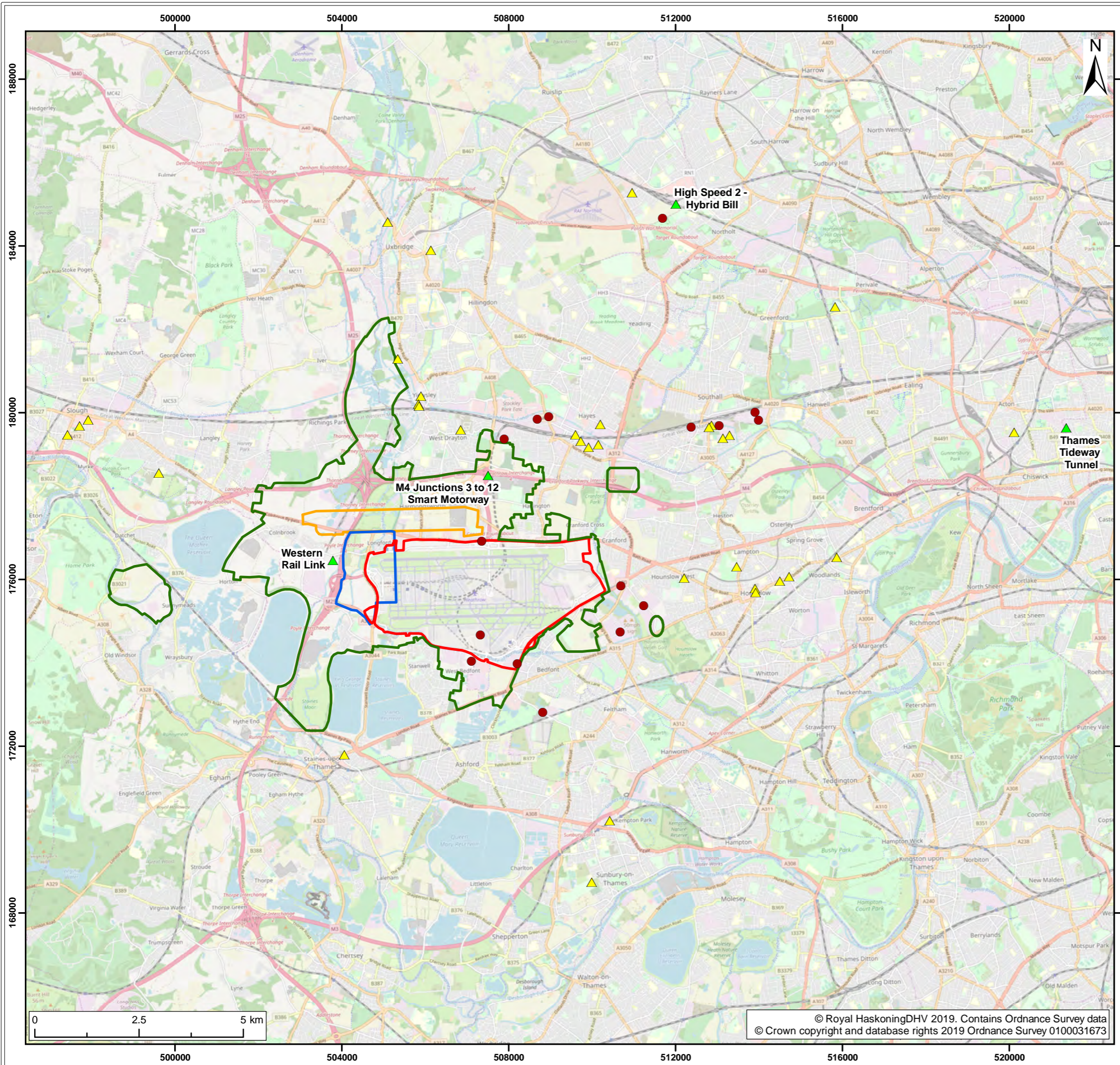
Title:  
Existing Road Network

Figure: 2.2      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0147

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - ▲ Residential schemes of 100+ units within the boroughs of Hillingdon, Hounslow, Slough, Spelthorne and Ealing (indicative locations)
  - Industrial and warehousing schemes within 5km of the centre of Heathrow Airport (indicative locations)
  - ▲ Nationally Significant Infrastructure Projects (indicative locations)

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P01 | 06/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

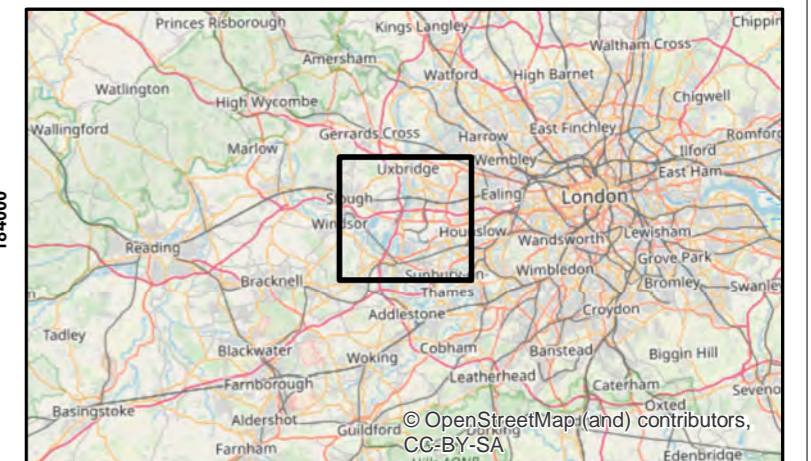
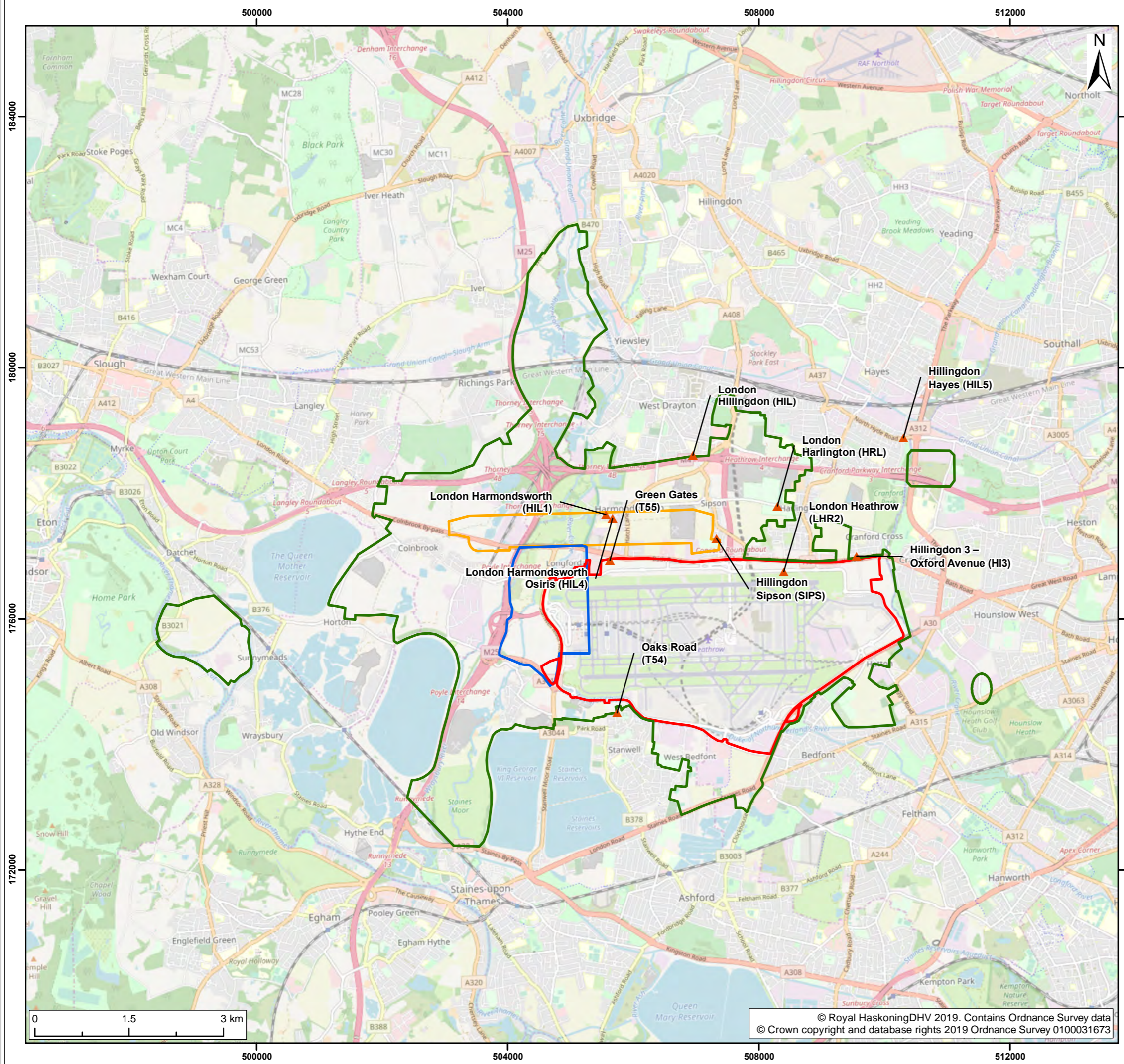
Title:  
Other development - cumulative permissions and proposals

Figure: 4.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0184

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:90,000

Project: Heathrow Western Hub      Report: Scoping Report





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - ▲ Air Quality Monitoring Locations

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

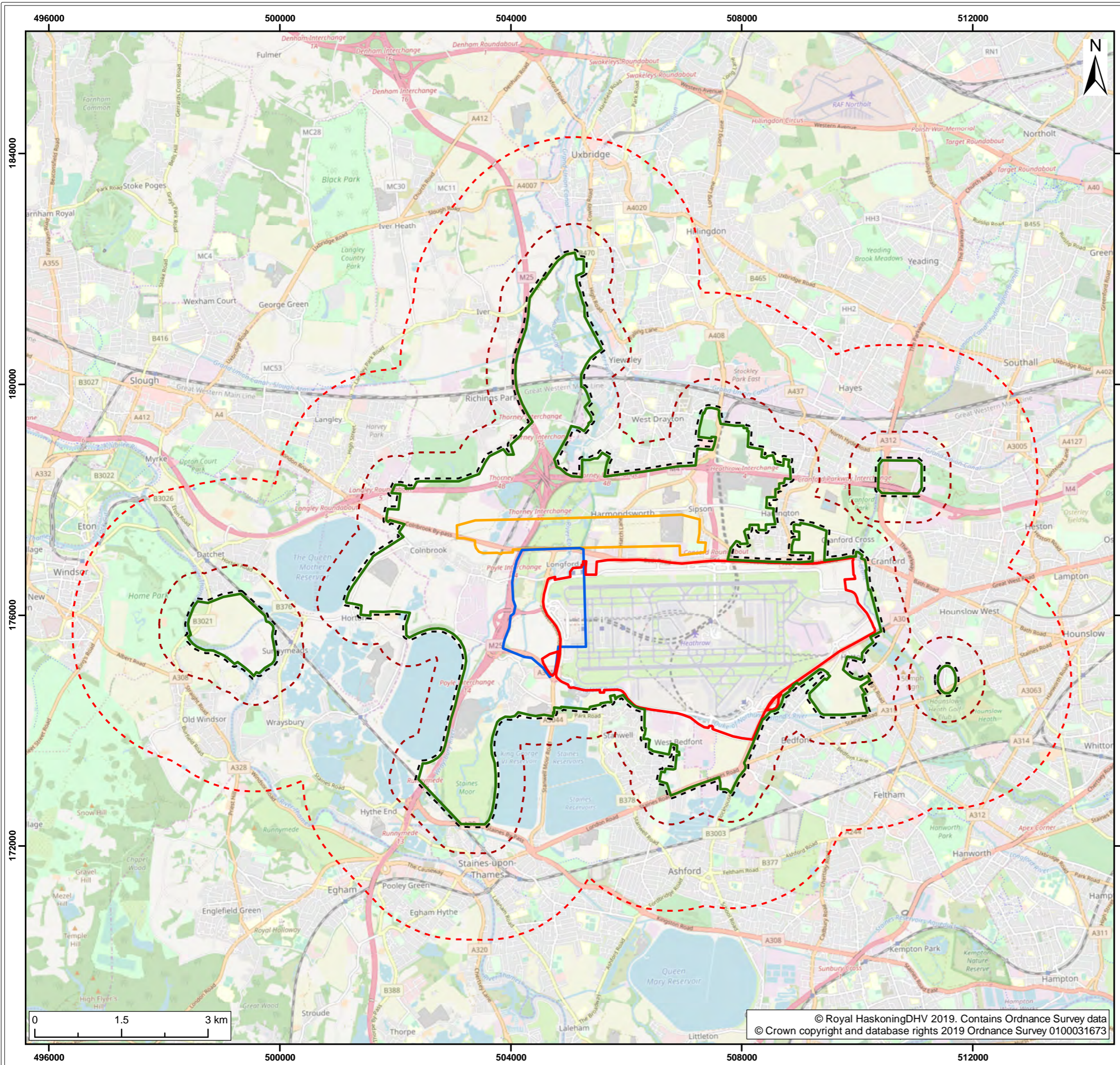
Title:  
Existing air quality monitoring locations

|  |  |                    |
|--|--|--------------------|
| Figure: 5.1                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0177 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 2km buffer of associated works
  - 500m buffer of associated works
  - 50m buffer of associated works

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P04 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P03 | 25/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 30/11/2018 | Suitable for Co-ordination | LB  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

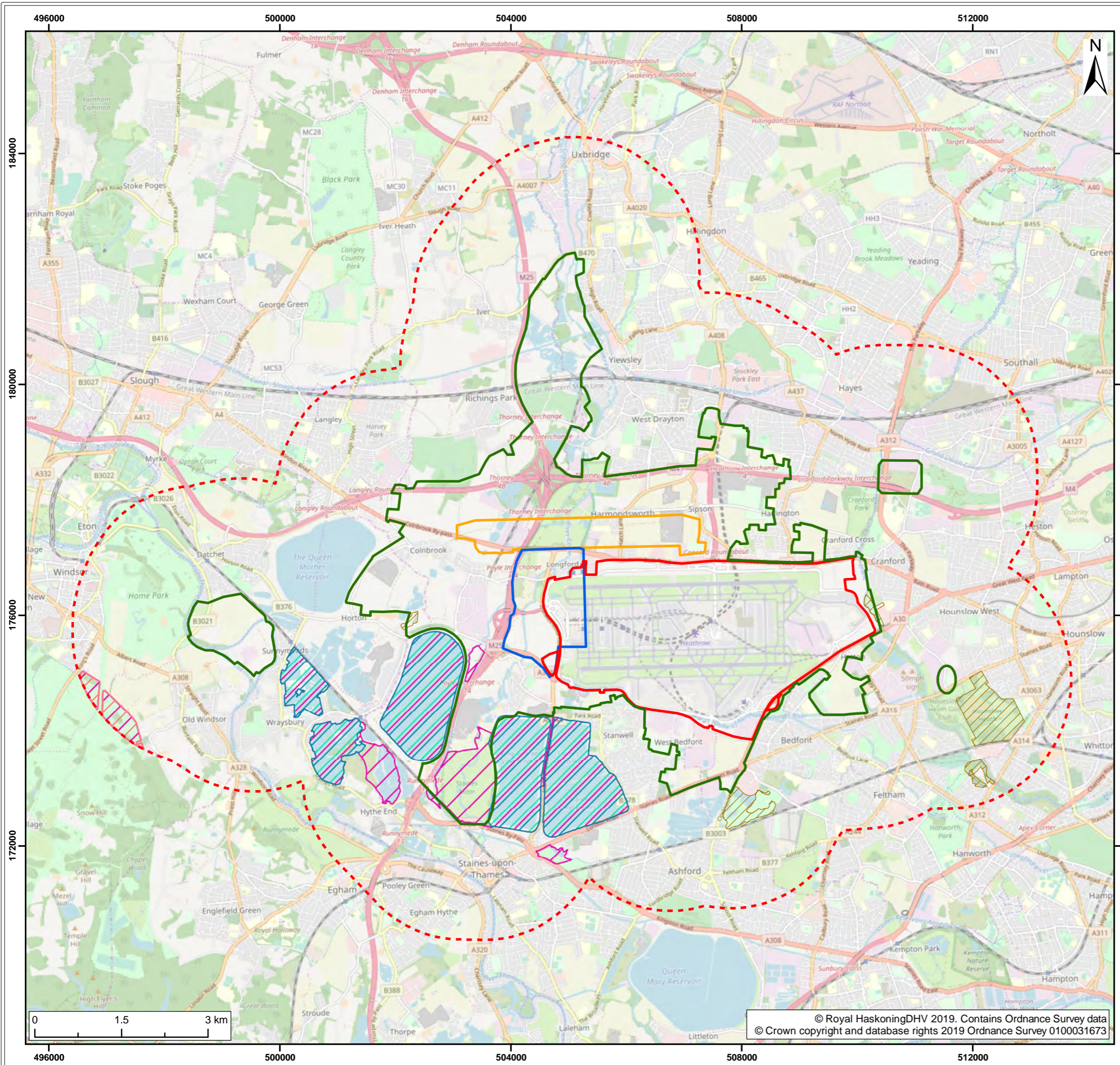
Title:  
**Biodiversity study areas**

Figure: 6.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0057

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:65,000

Project: Heathrow Western Hub      Report: Scoping Report





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 2km buffer of associated works
- Statutory designated sites**
- Ramsar<sup>1</sup>
  - Special Area of Conservation (SAC)<sup>1</sup>
  - Sites of Special Scientific Interest (SSSI)<sup>1</sup>
  - Special Protection Areas (SPA)<sup>1</sup>
  - Local Nature Reserves<sup>1</sup>

<sup>1</sup> Natural England, 2019

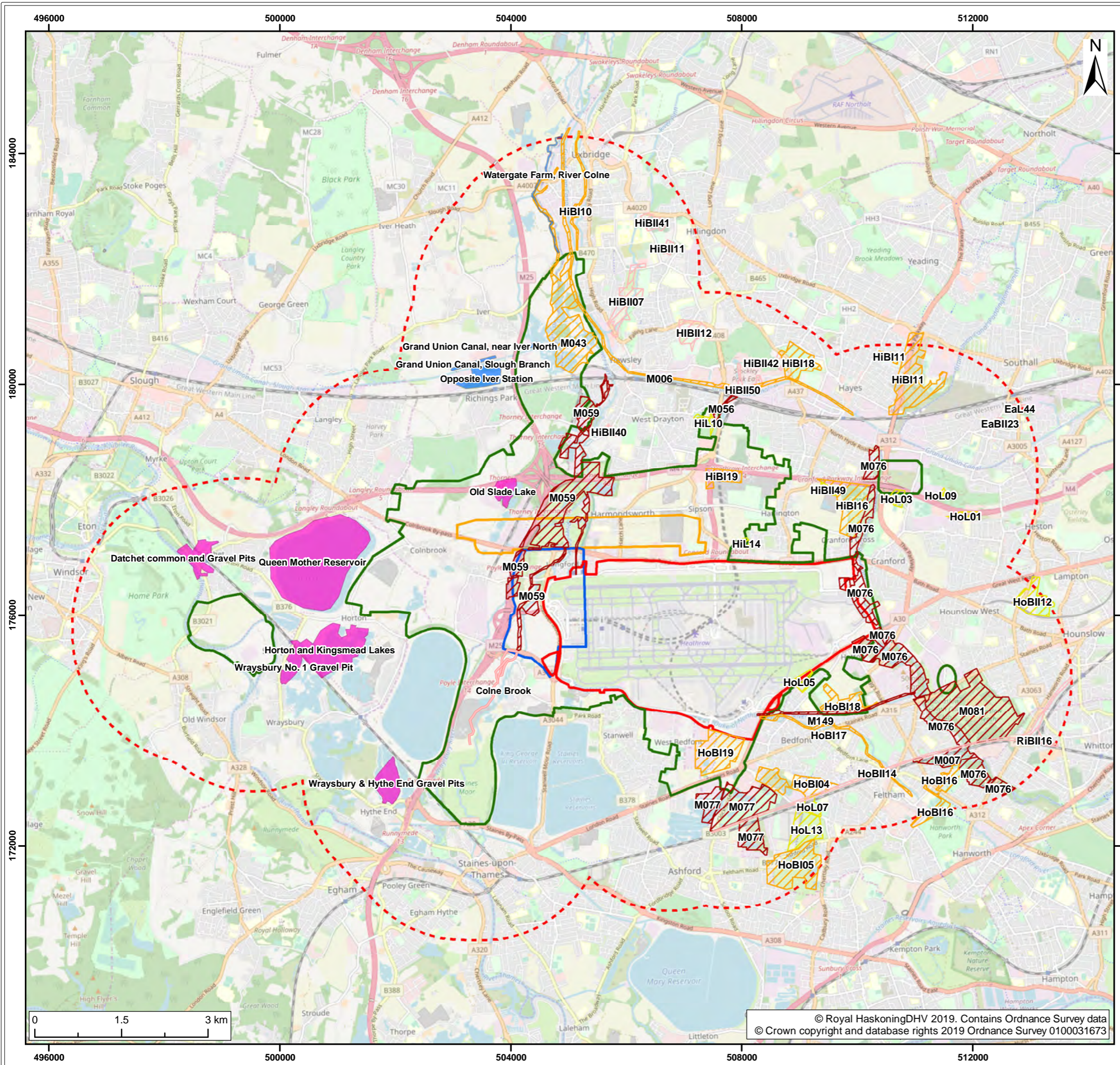
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P04 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P03 | 04/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 30/11/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Statutory designated sites for nature conservation

|  |  |                    |
|--|--|--------------------|
| Figure: 6.2                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0056 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:65,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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Legend:

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works
- 2km buffer of associated works
- Biological Notification Sites
- Local Wildlife Sites

**Sites of Importance for Nature Conservation**

- Metropolitan Importance
- Borough Importance Grade 1
- Borough Importance Grade 2
- Local Importance

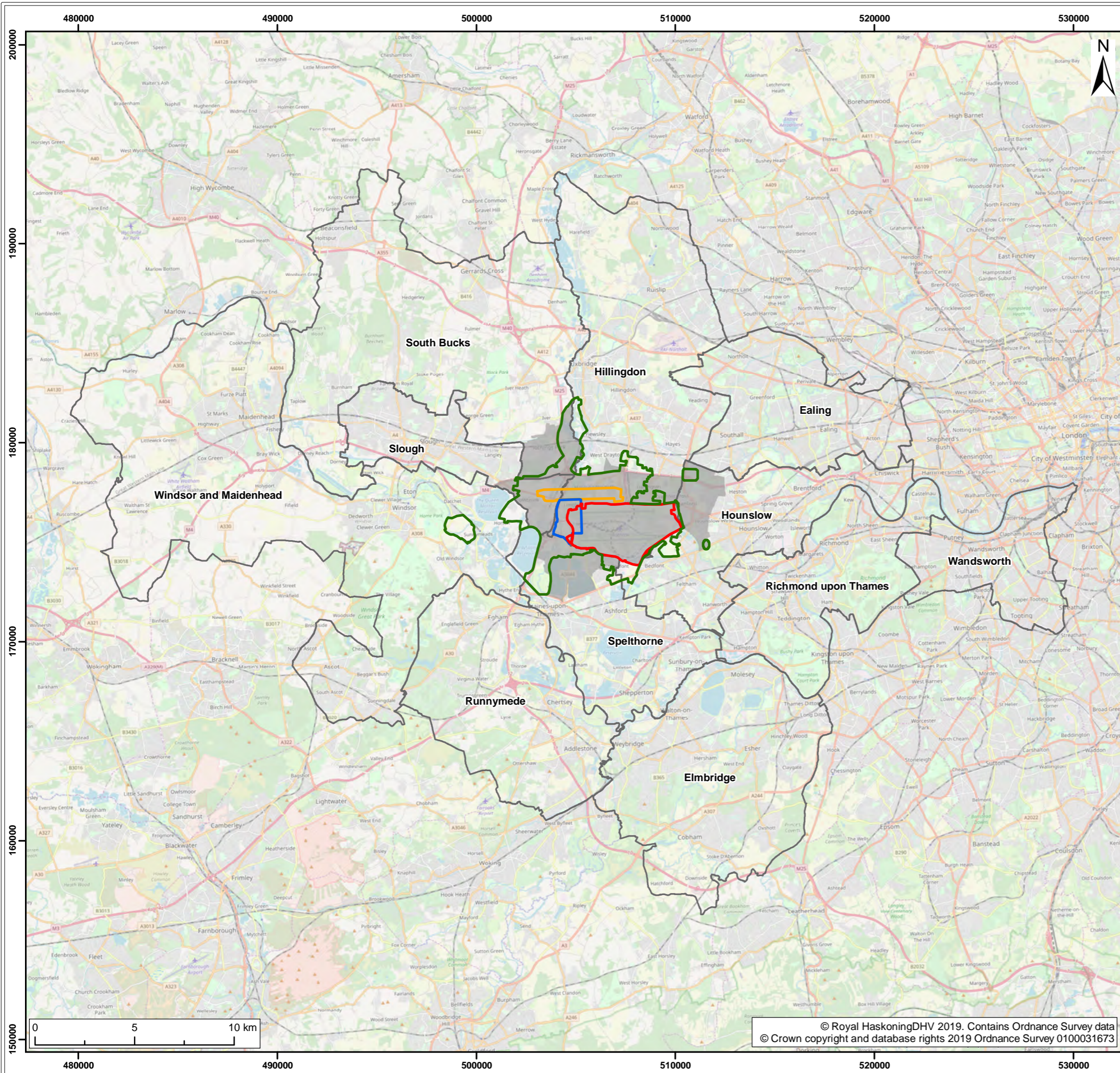
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 07/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Non-statutory designated sites for nature conservation

|  |  |                    |
|--|--|--------------------|
| Figure: 6.3                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0139 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:65,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Wider study area
  - Inner study area

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 04/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

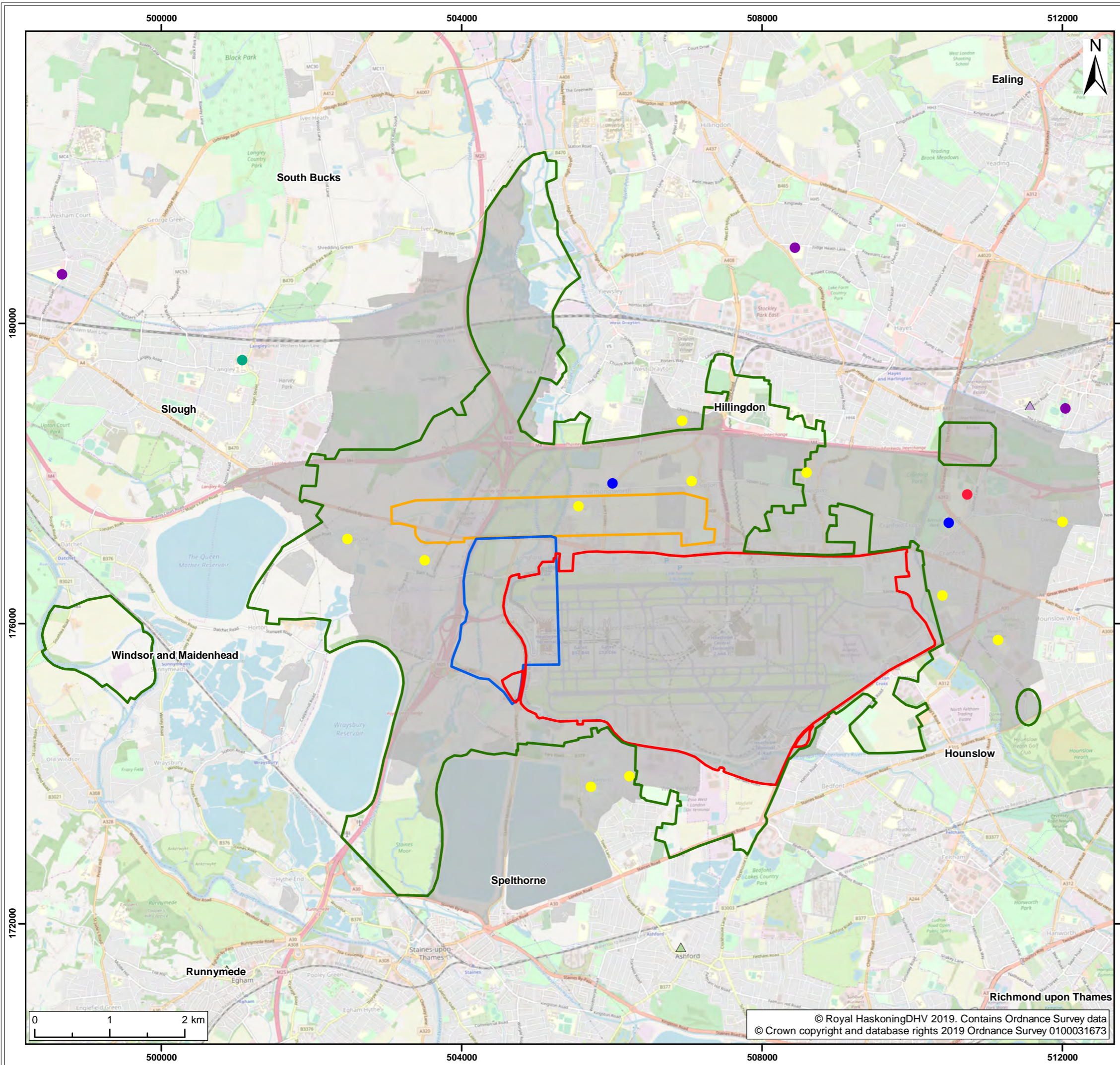
Title:  
**Population assessments study areas**

Figure: 9.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0061

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:190,000

Project: Heathrow Western Hub      Report: Scoping Report





**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works
- Inner Study Area

**Phase of education<sup>1</sup>**

- Primary
- Secondary
- Other
- 16 plus (Open)
- ▲ 16 plus (Closed)
- Nursery (Open)
- ▲ Nursery (Closed)

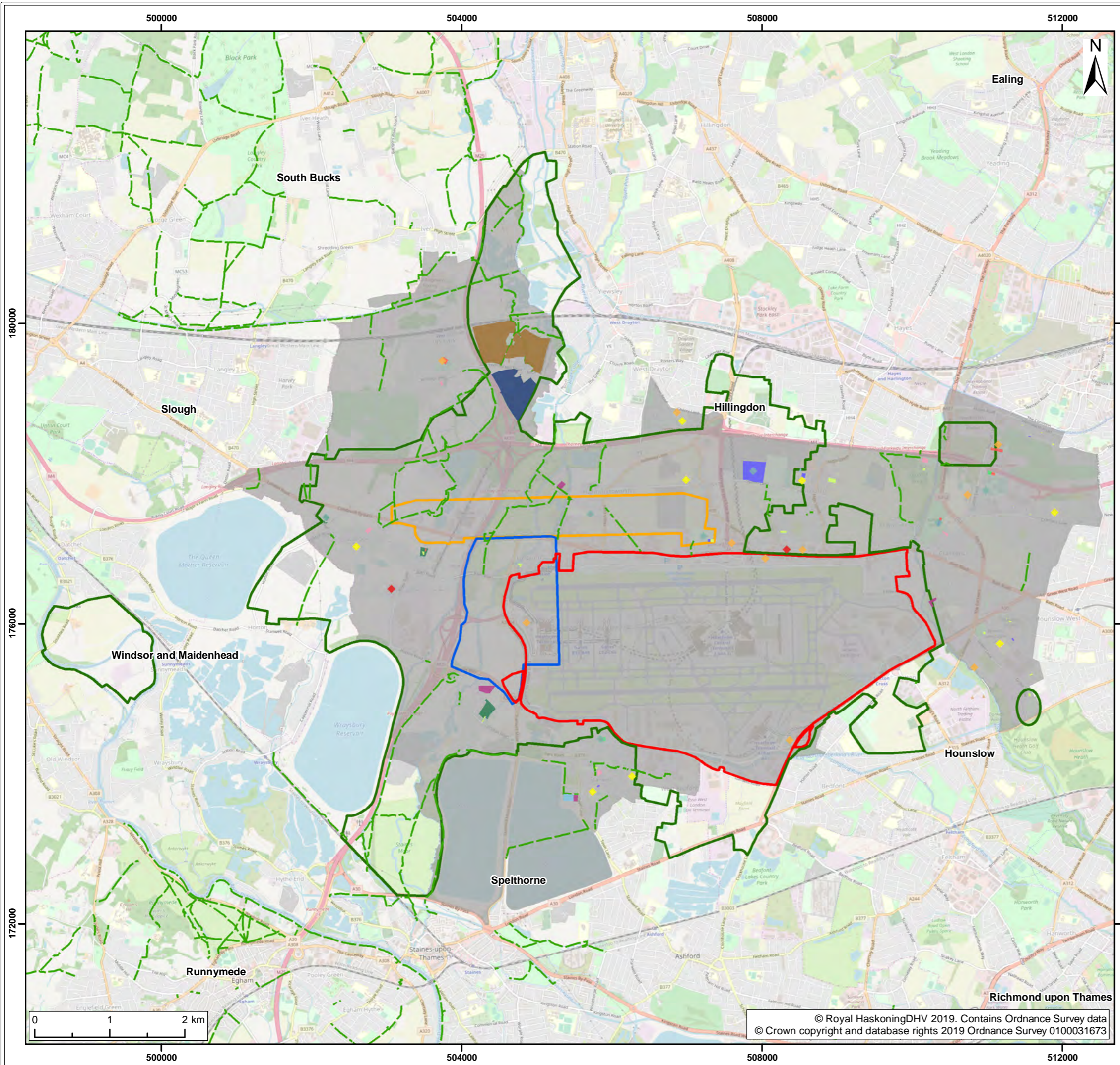
<sup>1</sup> Department for Education, 2017

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P01 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Education facilities within and surrounding the inner study area

|  |  |                    |
|--|--|--------------------|
| Figure: 9.2                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0066 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Inner Study Area
  - Public Rights of Way
  - Play Space
  - Playing Field
  - Public Park Or Garden
  - Religious Grounds
  - Tennis Court
- Greenspace<sup>1</sup>, recreation<sup>2</sup> and sporting facilities<sup>2</sup>**
- ◆ Recreation, Sporting Grounds and Parks
  - ◆ Schools and Accademy's with sporting facilities
  - ◆ Sports or Leisure club
  - ◆ Health Spa
  - Allotments Or Community Growing Spaces
  - Bowling Green
  - Cemetery
  - Golf Course
  - Other Sports Facility
- <sup>1</sup> Ordnance Survey, 2018  
<sup>2</sup> Sports England, 2018

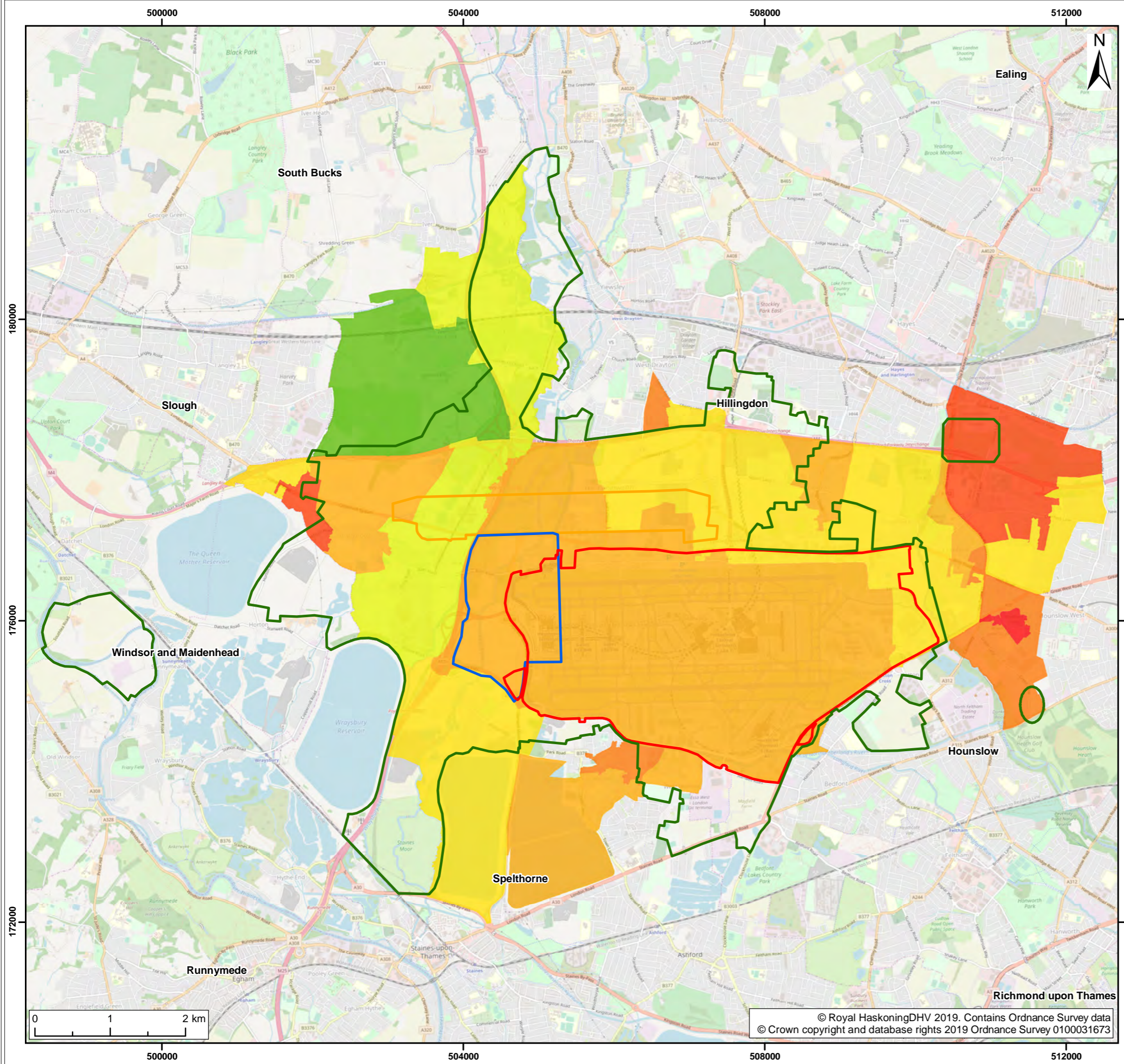
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Greenspace, sport and recreation facilities within the inner study area

|  |  |                    |
|--|--|--------------------|
| Figure: 9.3                                  | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0065 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works

**Index of Multiple Deprivation (IMD) Decile (where 1 is most deprived 10% of LSOAs)**



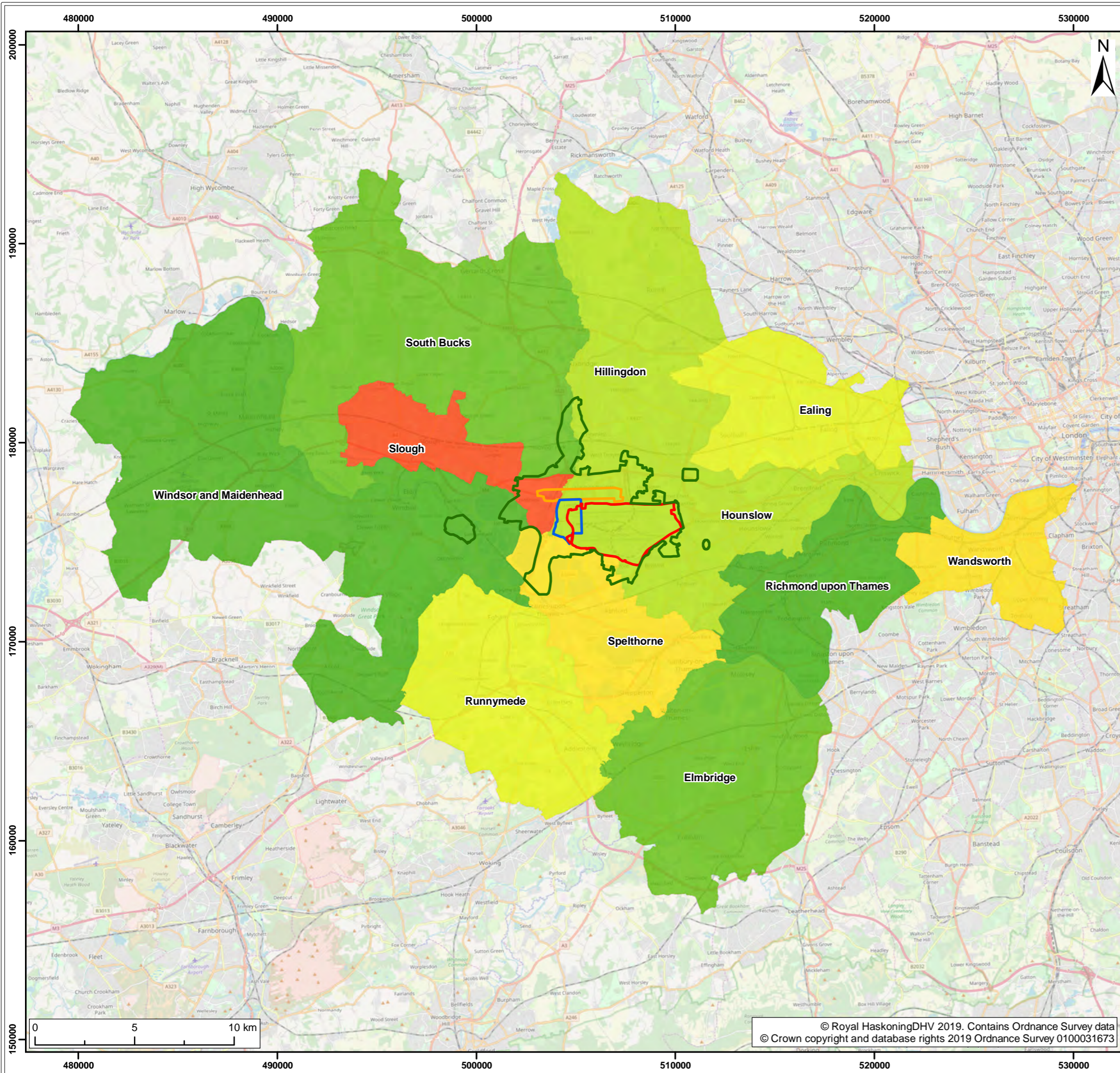
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 04/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Levels of deprivation within the inner study area by sub areas

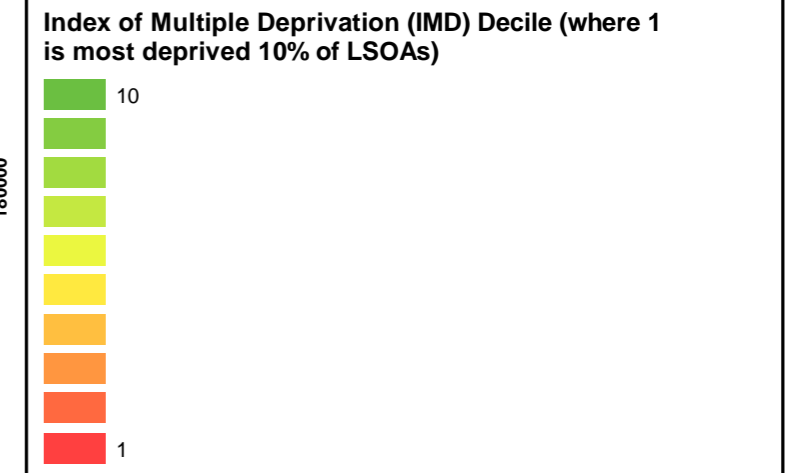
Figure: 10.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0080

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works



|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 04/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

Title:  
Levels of deprivation within the wider study area by sub areas

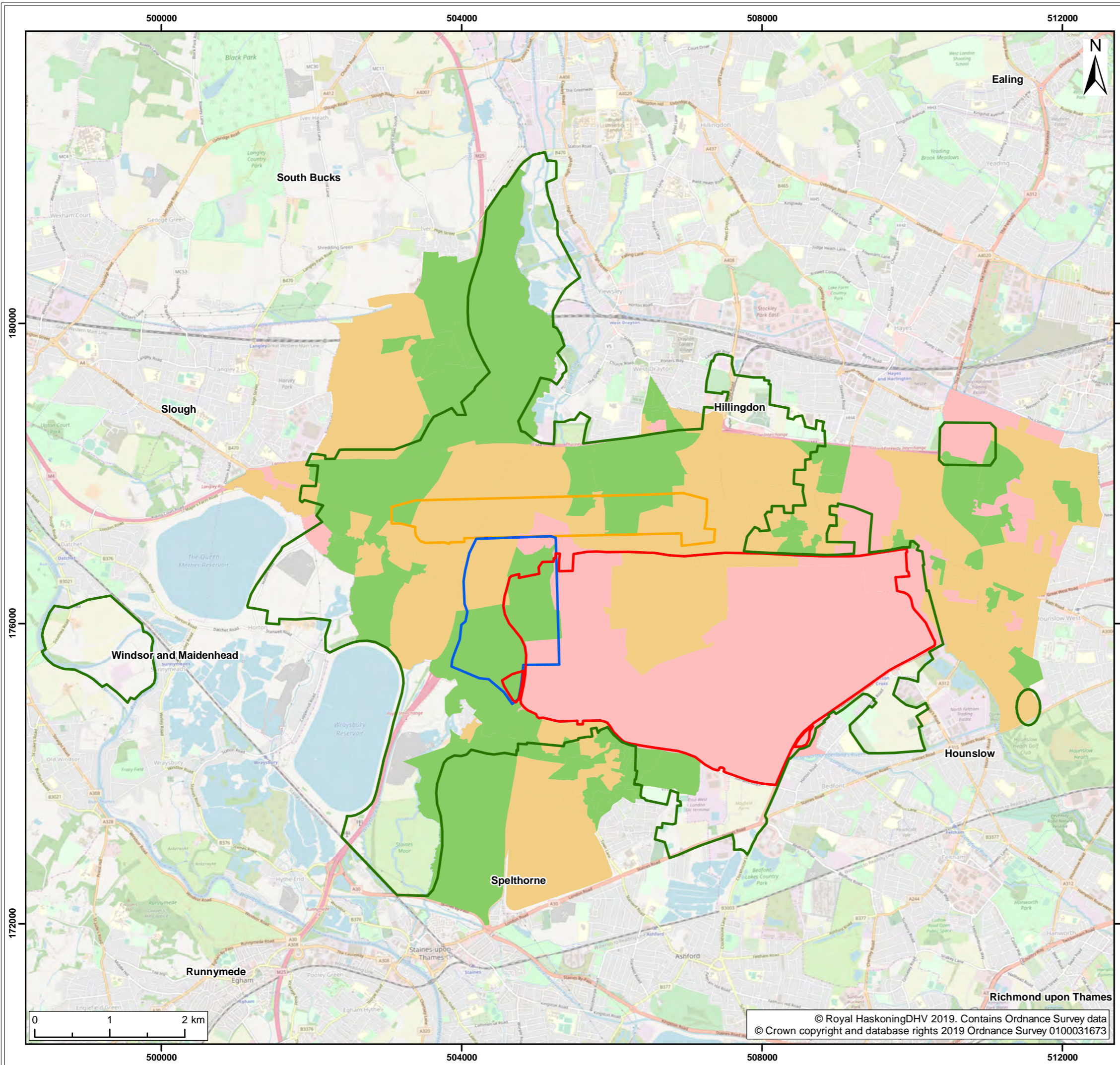
Figure: 10.2      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0083

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:190,000

Project: Heathrow Western Hub      Report: Scoping Report







**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Number of economically active persons regarded as unemployed**

- <10
- 11 - 20
- >20

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P04 | 11/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

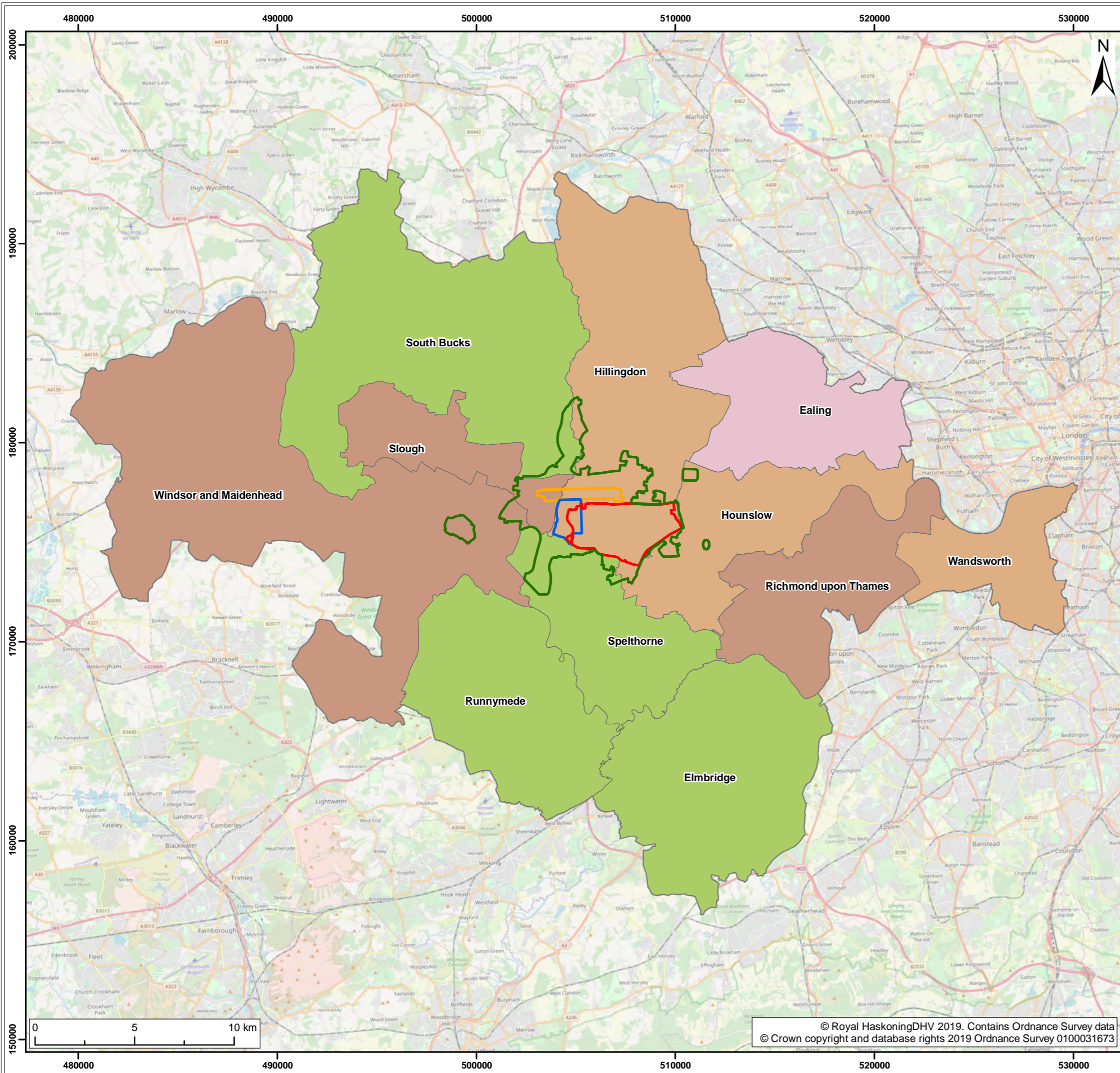
Title:  
Levels of unemployment within the inner study area by sub areas

Figure: 10.3      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0086

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:50,000

Project: Heathrow Western Hub      Report: Scoping Report





**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Number of economically active persons regarded as unemployed**

- 1 - 3000
- 3000 - 6000
- 6000 - 10,000
- >10,000

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P04 | 11/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

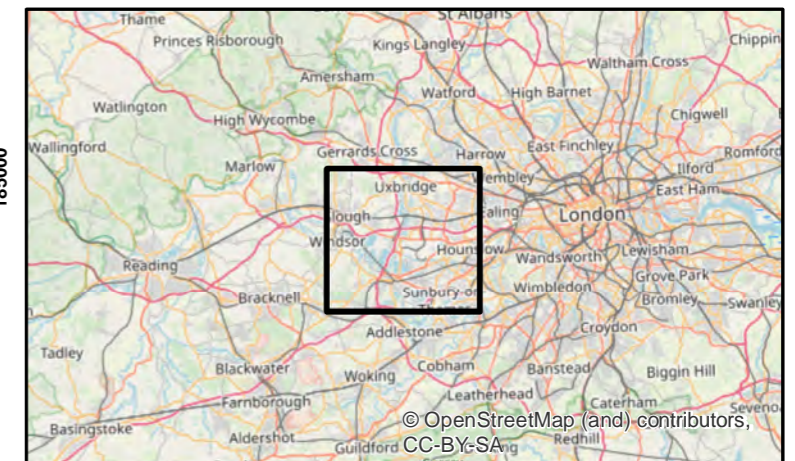
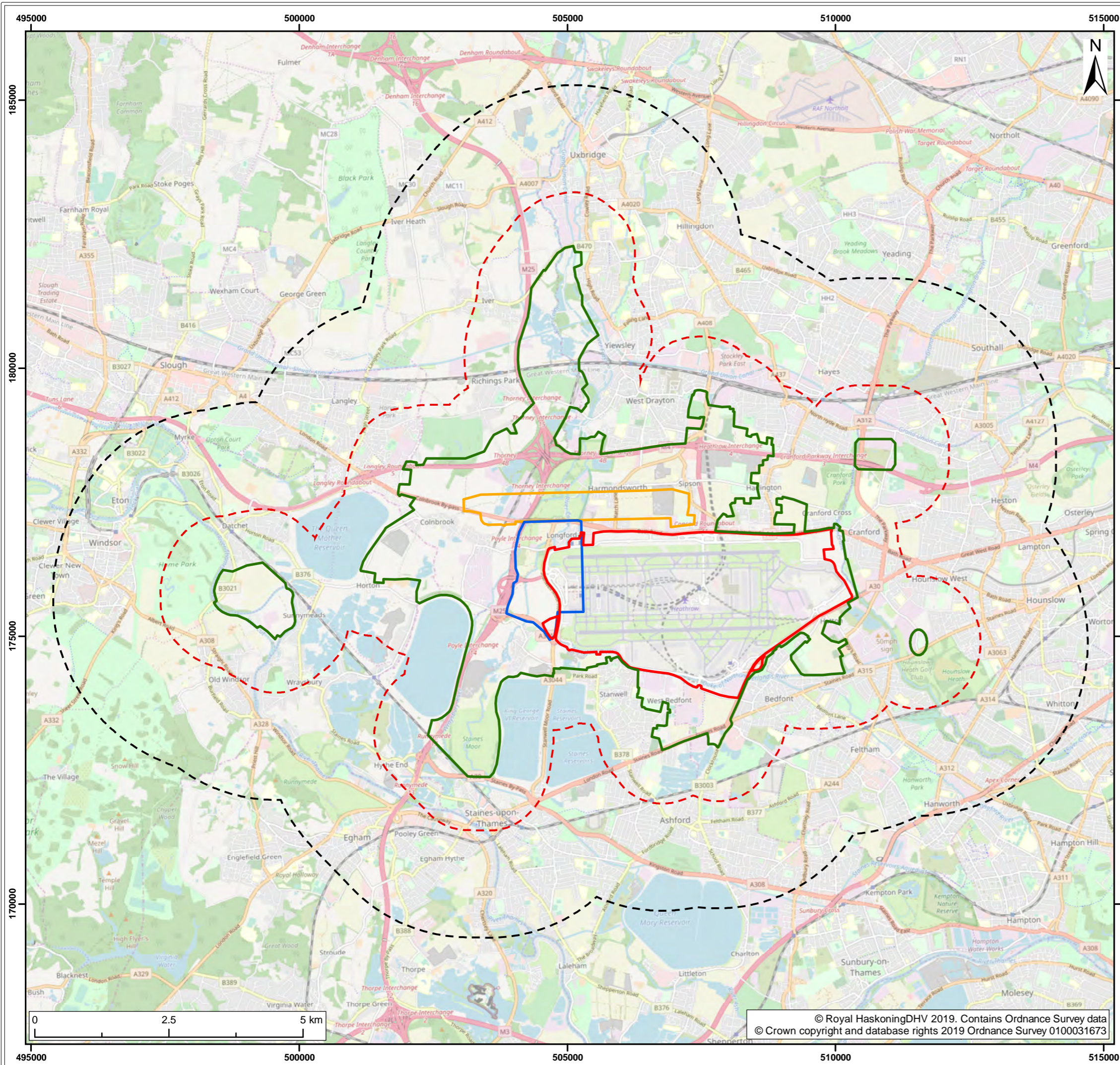
Title:  
Levels of unemployment within the wider study area by sub areas

Figure: 10.4      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0087

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:190,000

Project: Heathrow Western Hub      Report: Scoping Report





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 21/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Historic environment study areas

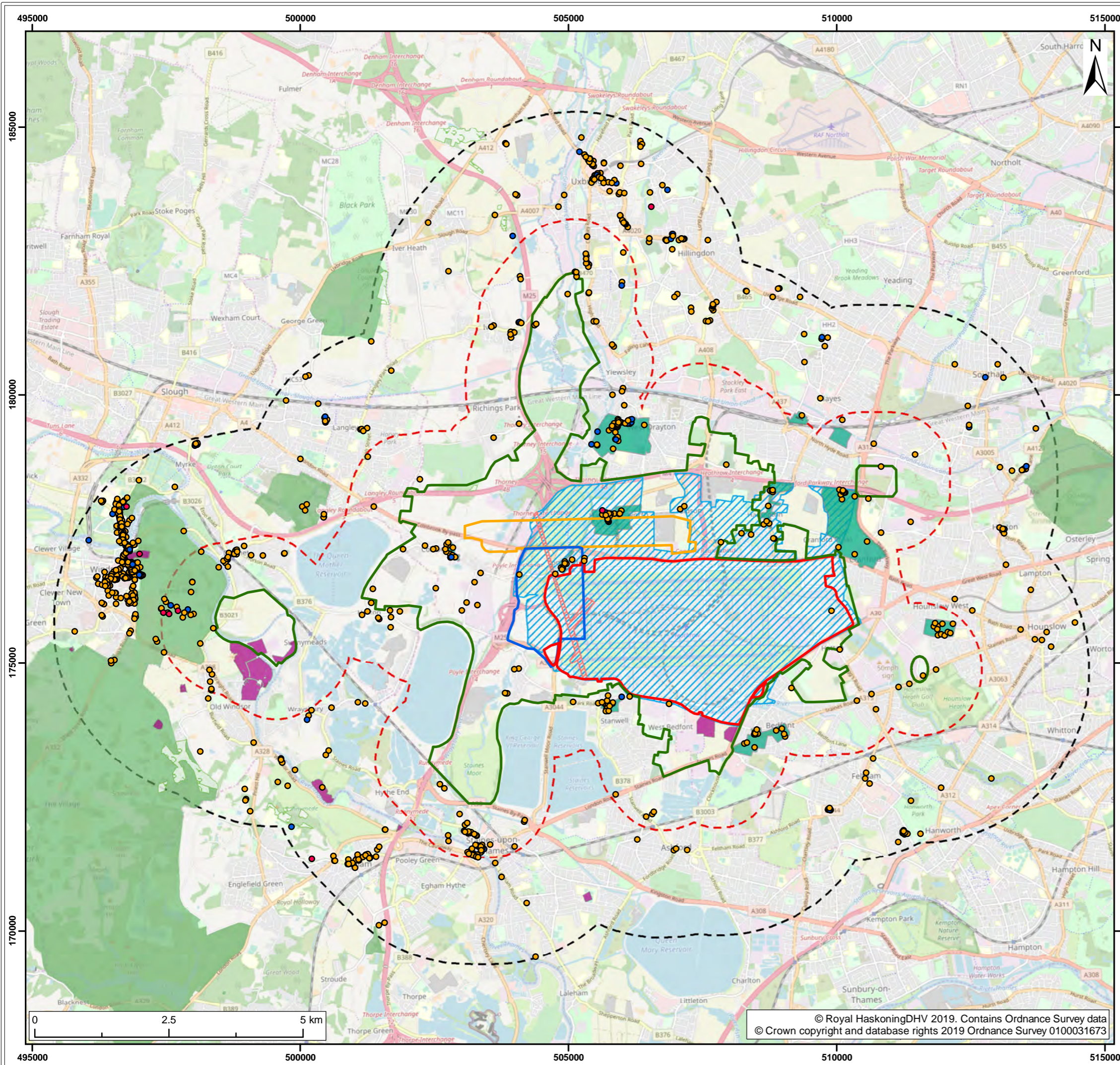
Figure: 11.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0132

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:70,000

Project: Heathrow Western Hub      Report: Scoping Report



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Heathrow Archaeology Priority Zone
  - Stanwell Cusis Archaeology Priority Zone
  - Ancient Woodland<sup>1</sup>
  - Scheduled Monuments<sup>1</sup>
  - Conservation areas<sup>1</sup>
  - Parks and Gardens<sup>1</sup>
  - Grade I Listed Building<sup>1</sup>
  - Grade II Listed Building<sup>1</sup>
  - Grade II\* Listed Building<sup>1</sup>

<sup>1</sup> Historic England, 2018

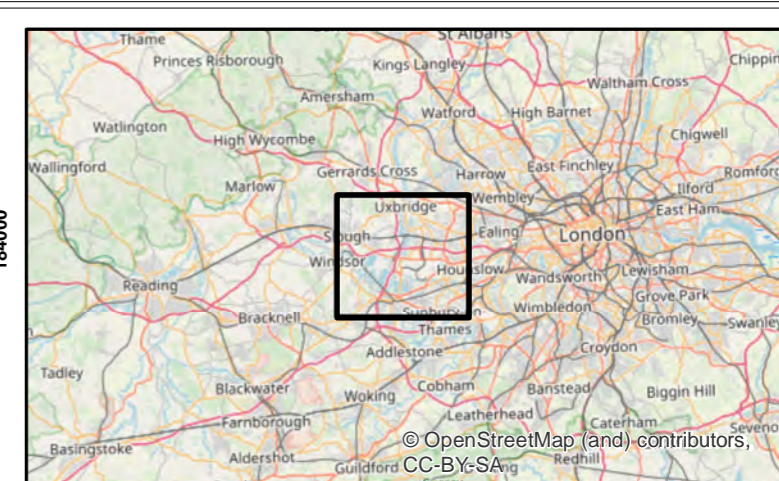
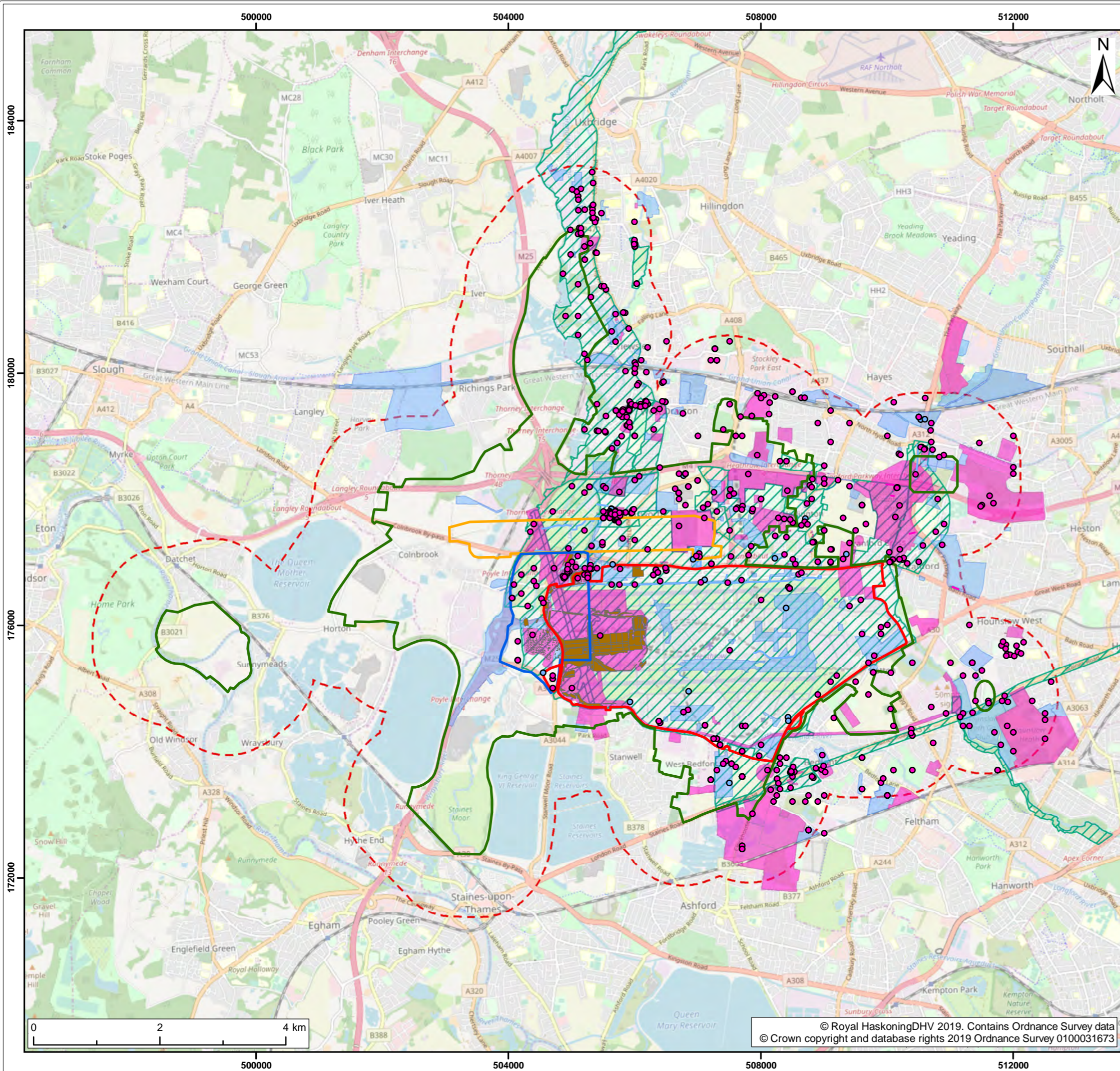
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 21/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Designated assets within study areas**

Figure: 11.2      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0133

|  |                                  |                    |
|--|----------------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                 | Scale:<br>1:70,000 |
| Project:<br><b>Heathrow Western Hub</b>      | Report:<br><b>Scoping Report</b> |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
  - T5 excavation area
- Historic Environment Record (point)**
- Monument
  - Event
- Historic Environment Record (line)**
- Monument
  - Event
- Historic Environment Record (polygon)**
- Monument
  - Event
  - Archaeological Priority Areas (APA)

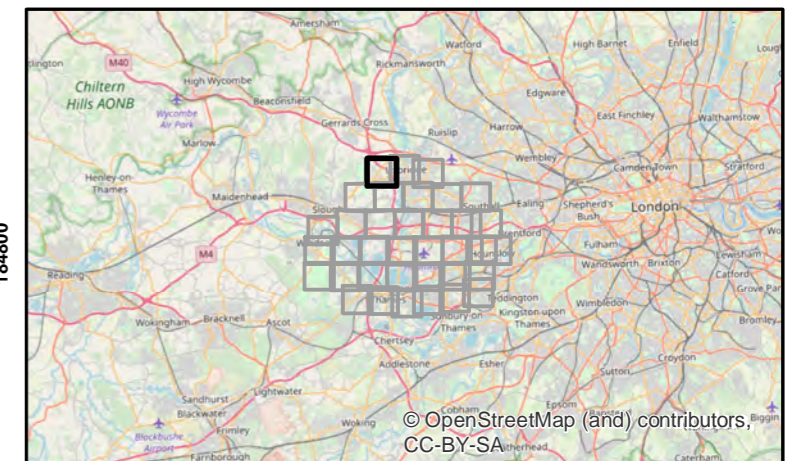
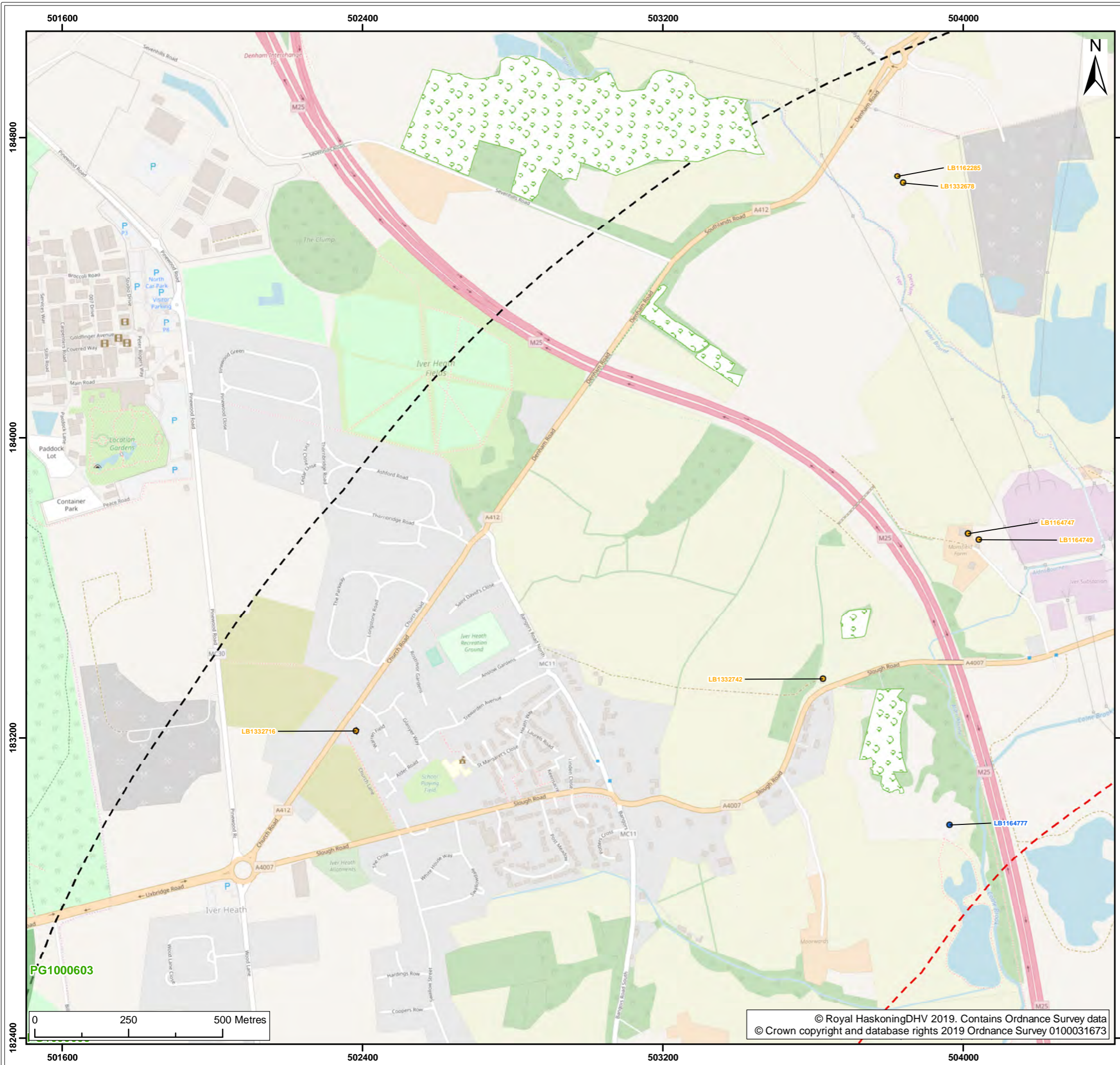
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P05 | 11/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P04 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P03 | 18/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 21/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Non-designated assets within study areas

|  |  |                    |
|--|--|--------------------|
| Figure: 11.3                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0134 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Ancient Woodland
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

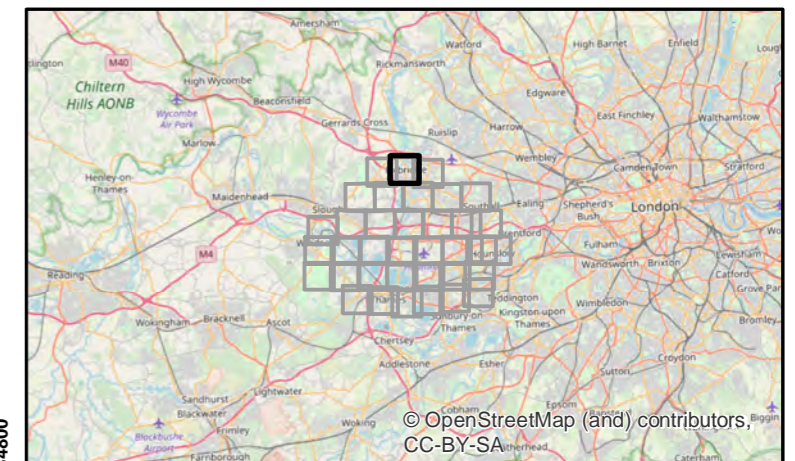
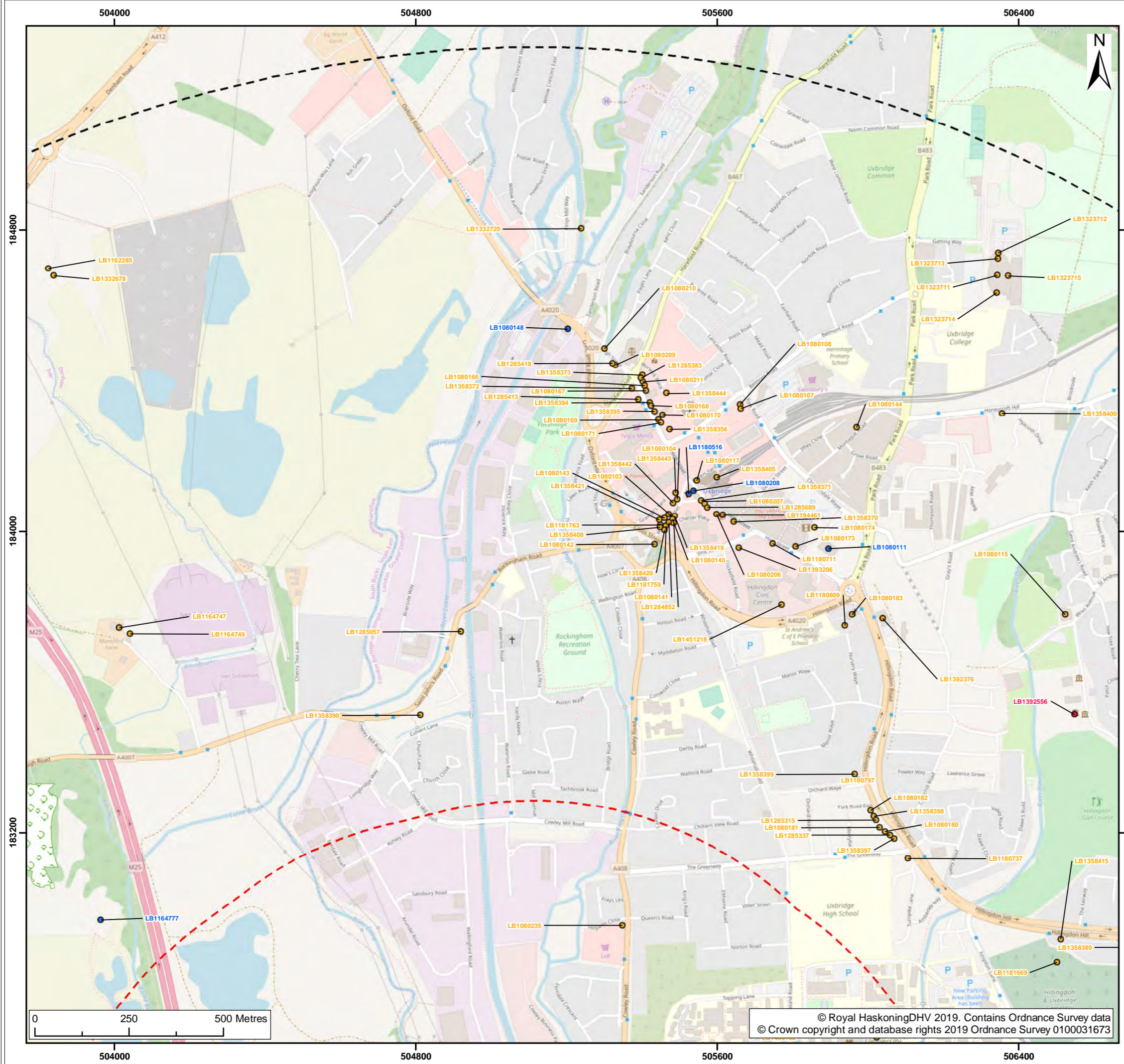
Figure: 11.4a Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Ancient Woodland
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

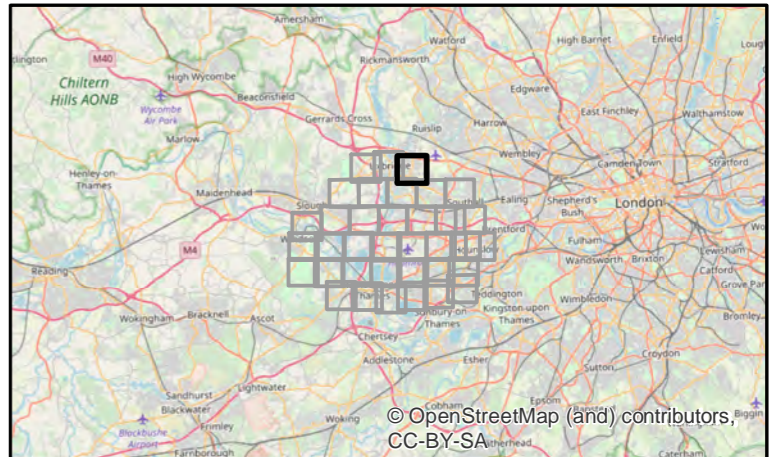
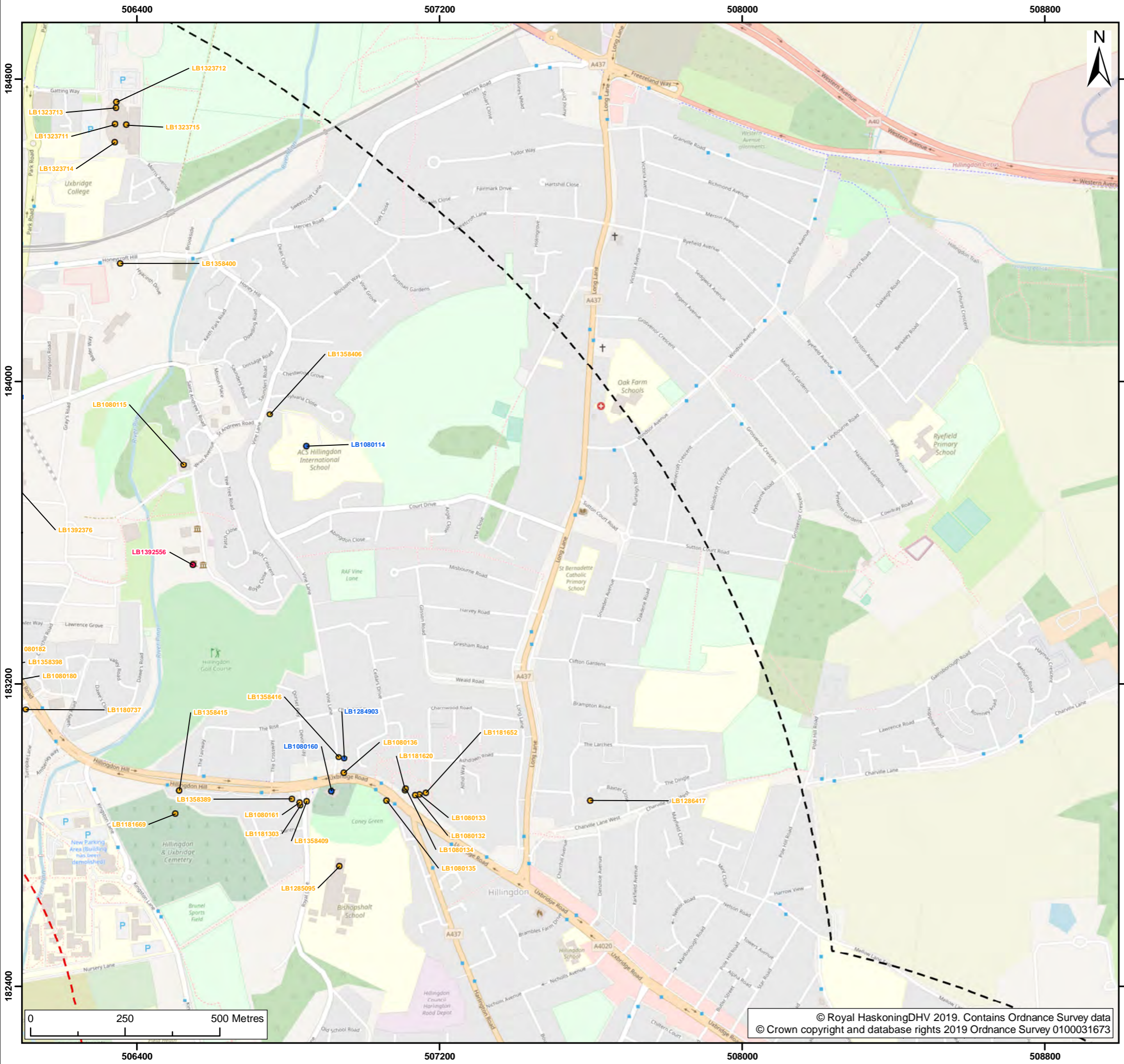
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4b                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

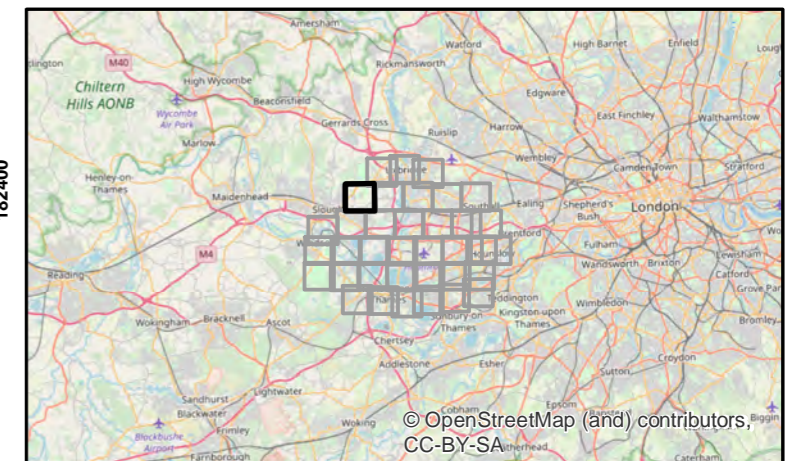
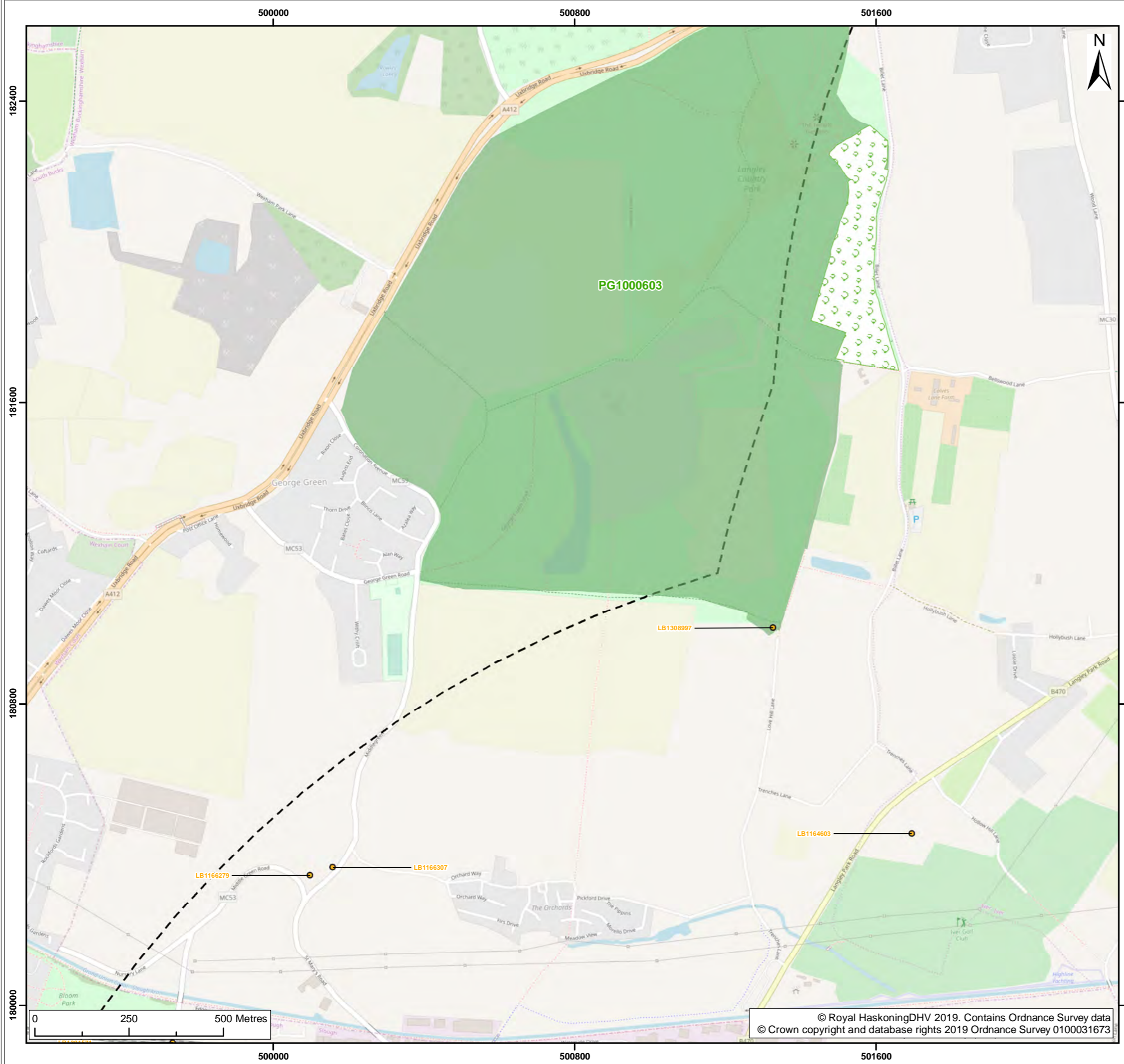
Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4c                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - Parks and Gardens
  - Ancient Woodland
  - Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

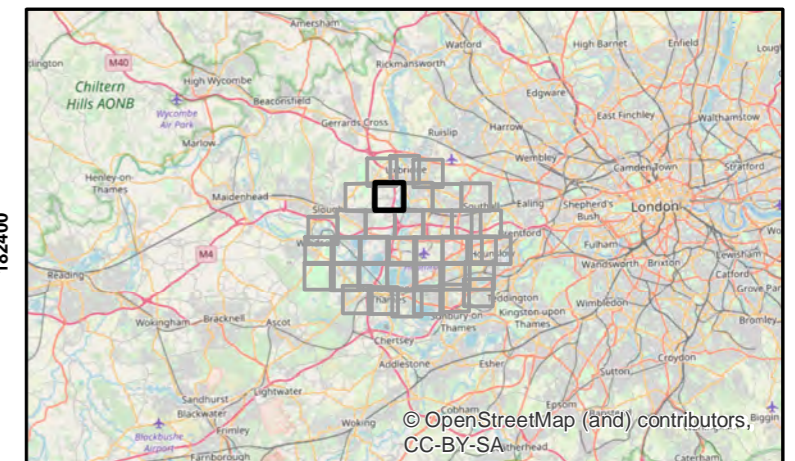
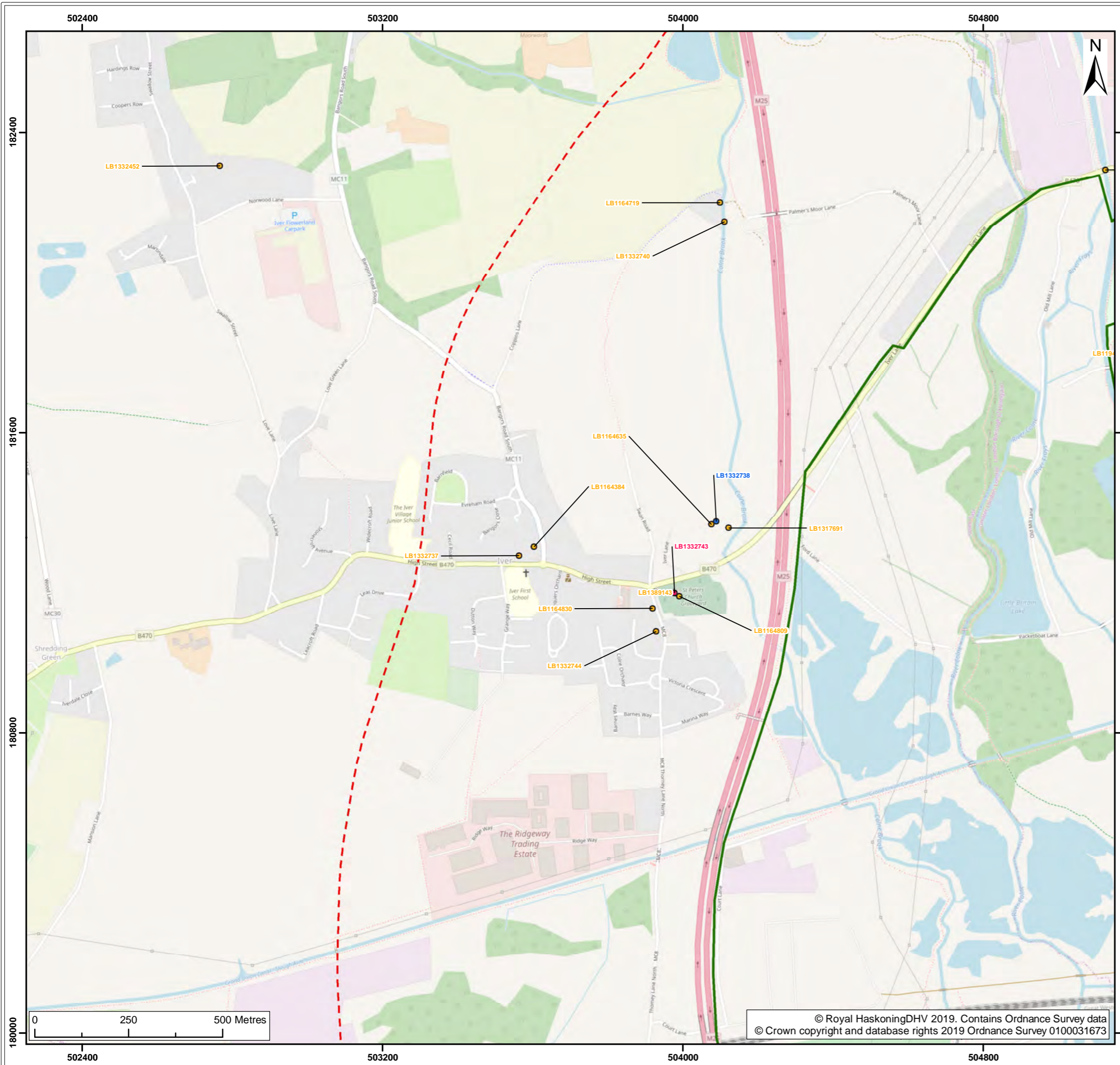
Figure: 11.4d Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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- Legend:
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

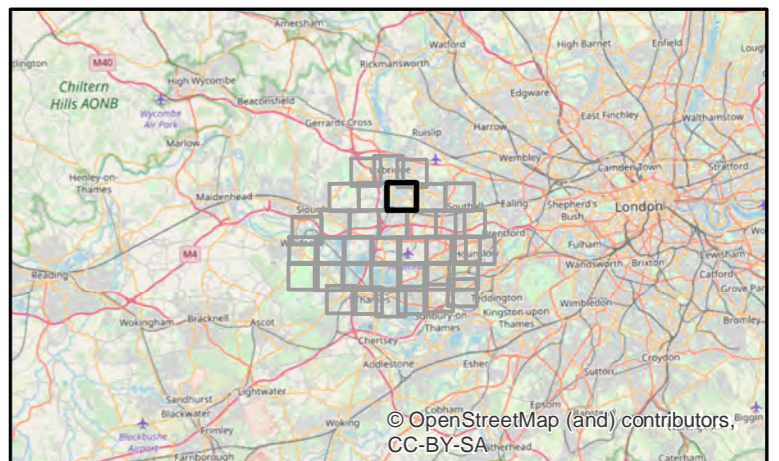
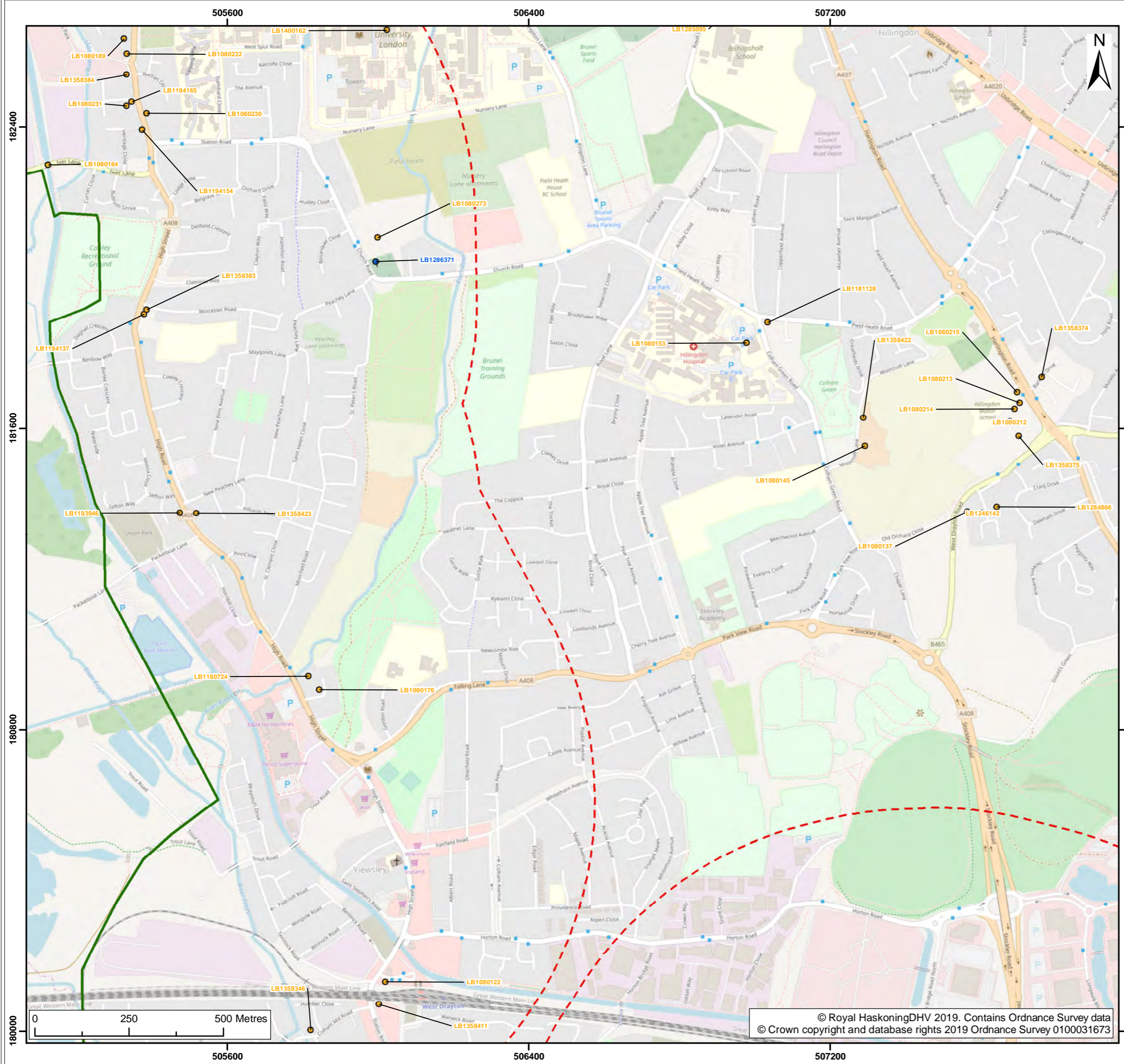
Figure: 11.4e Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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- Legend:**
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

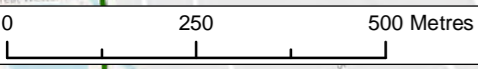
Figure: 11.4f      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

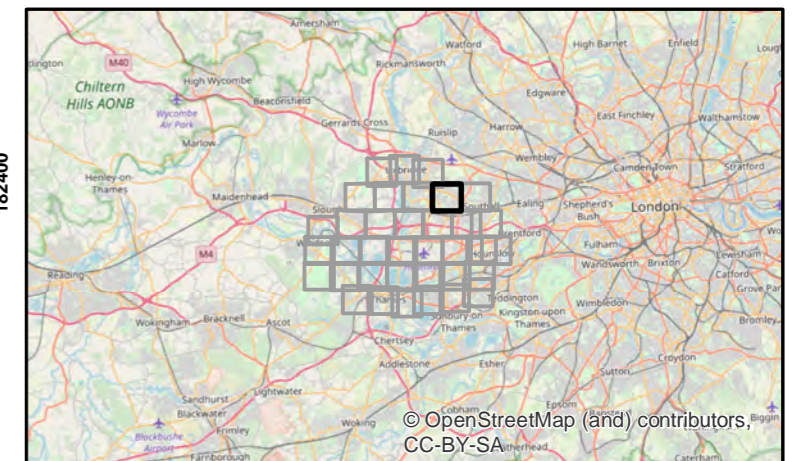
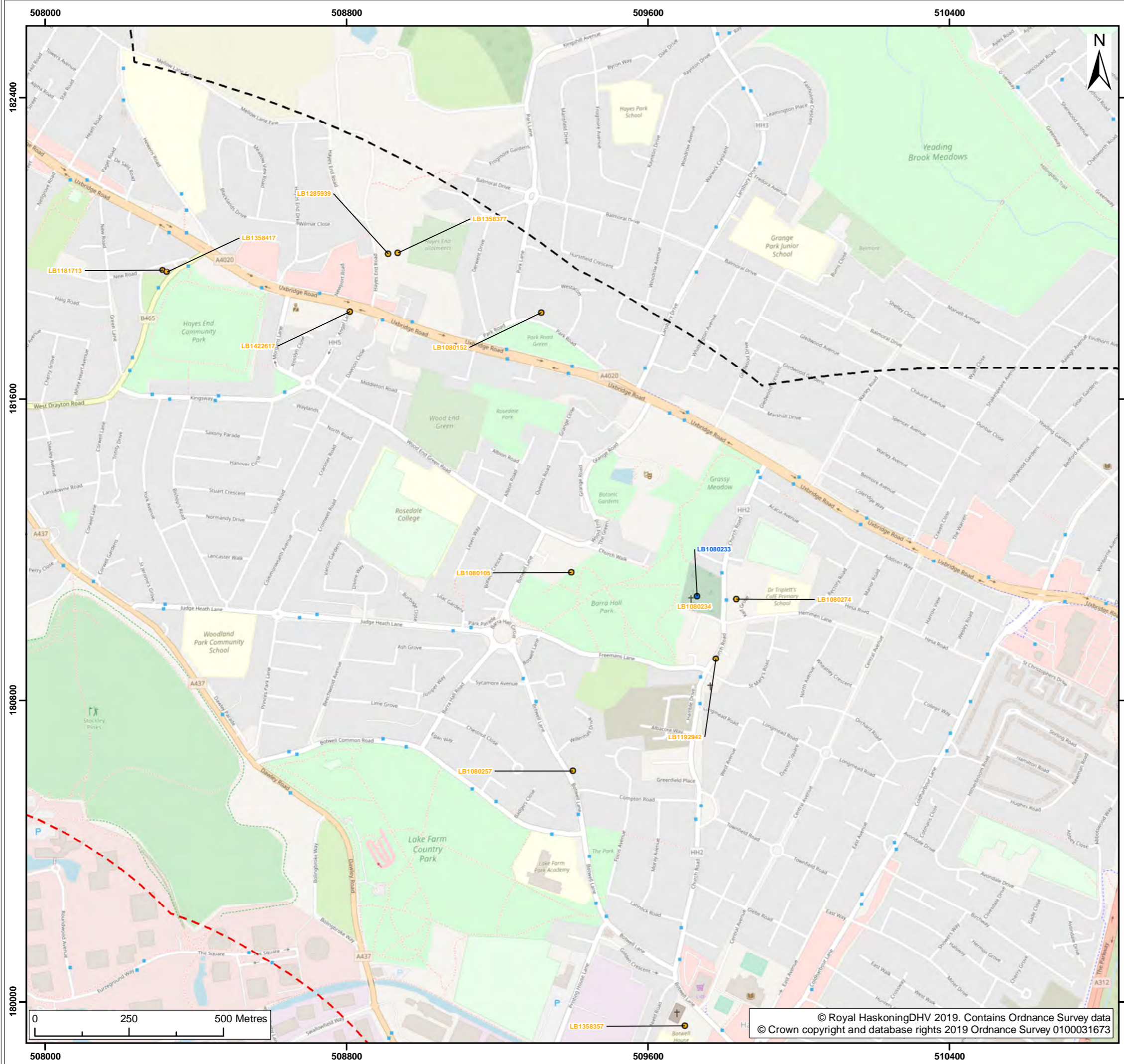
Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:10,000

Project: Heathrow Western Hub      Report: Scoping Report



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Legend:  
 - 3km buffer of associated works (dashed black line)  
 - 1km buffer of associated works (dashed red line)  
 - Grade II listed building (yellow dot)  
 - Grade II\* listed building (blue dot)

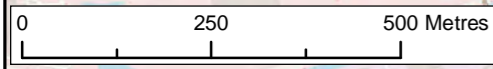
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

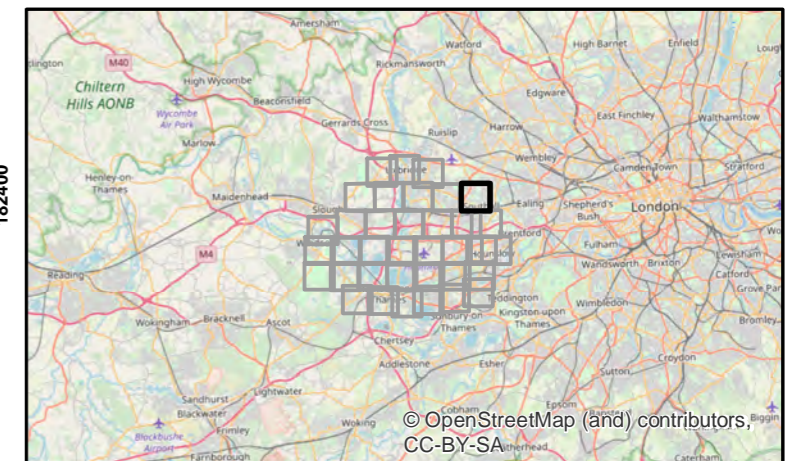
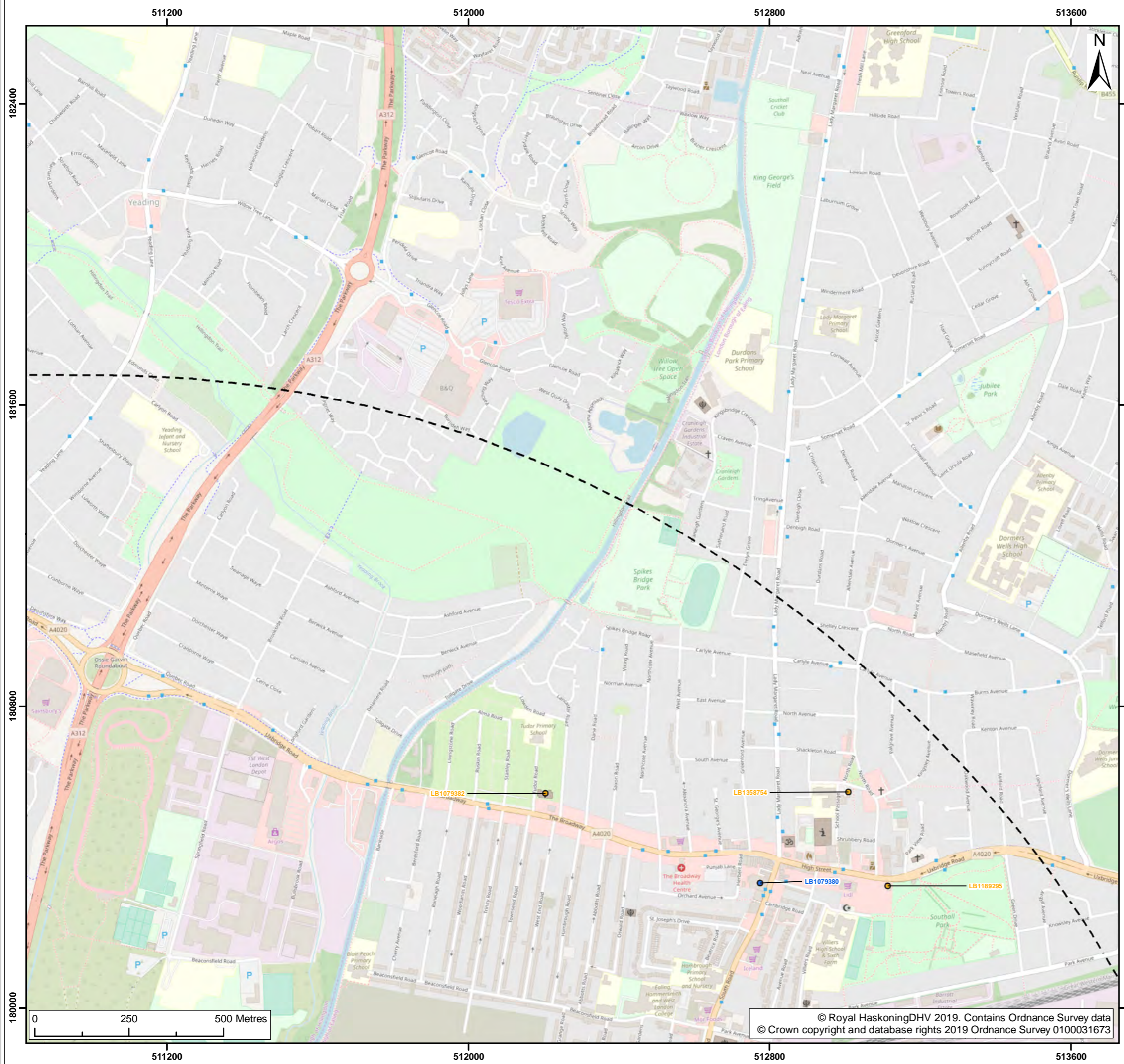
Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4g                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - Grade II listed building
  - Grade II\* listed building

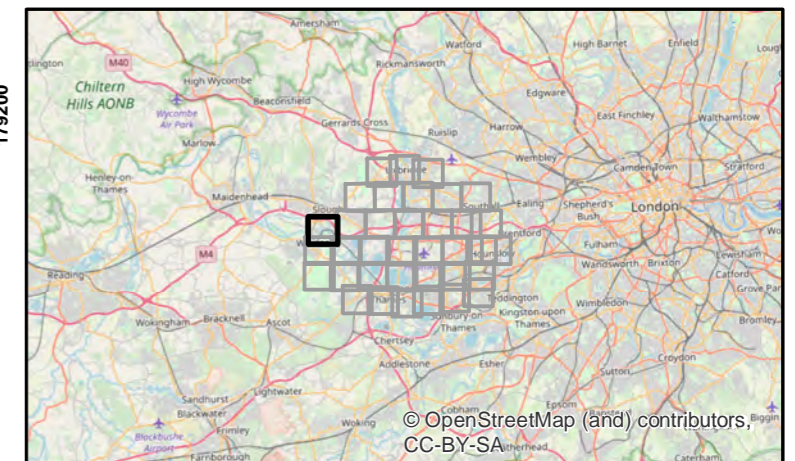
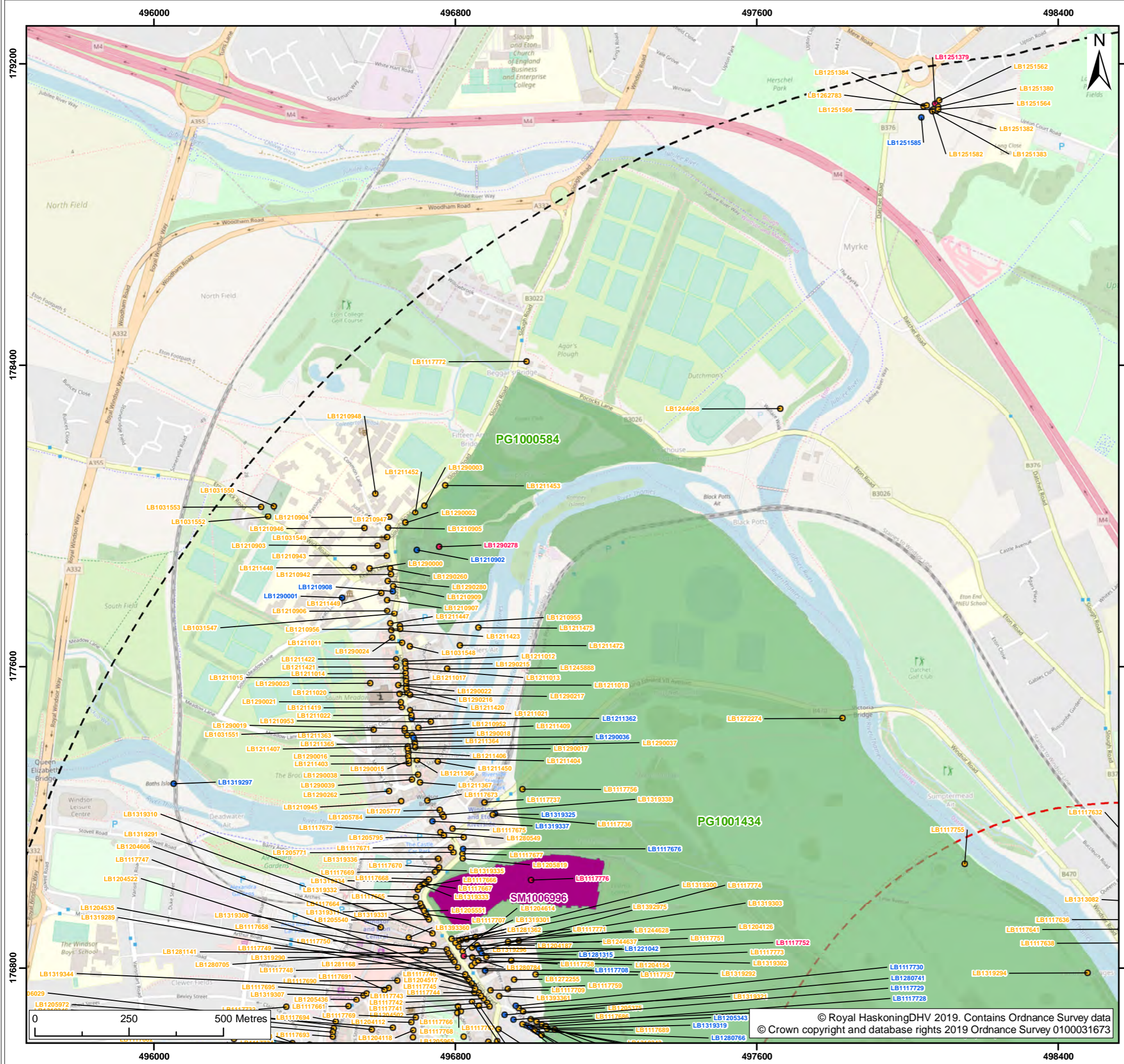
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4h                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Scheduled Monuments
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

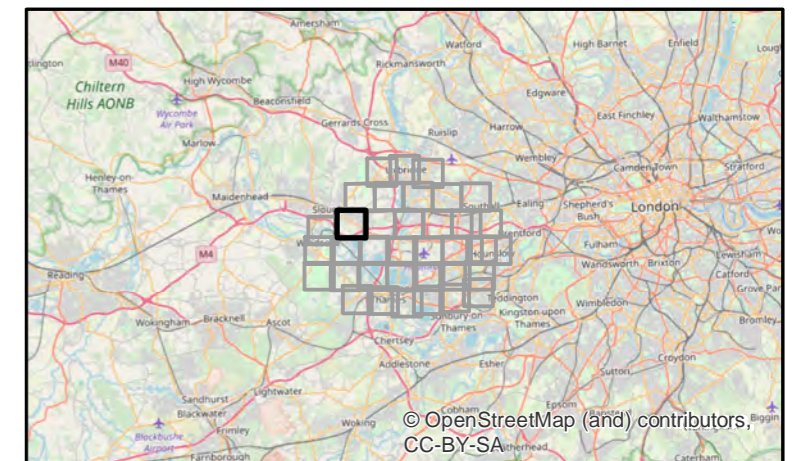
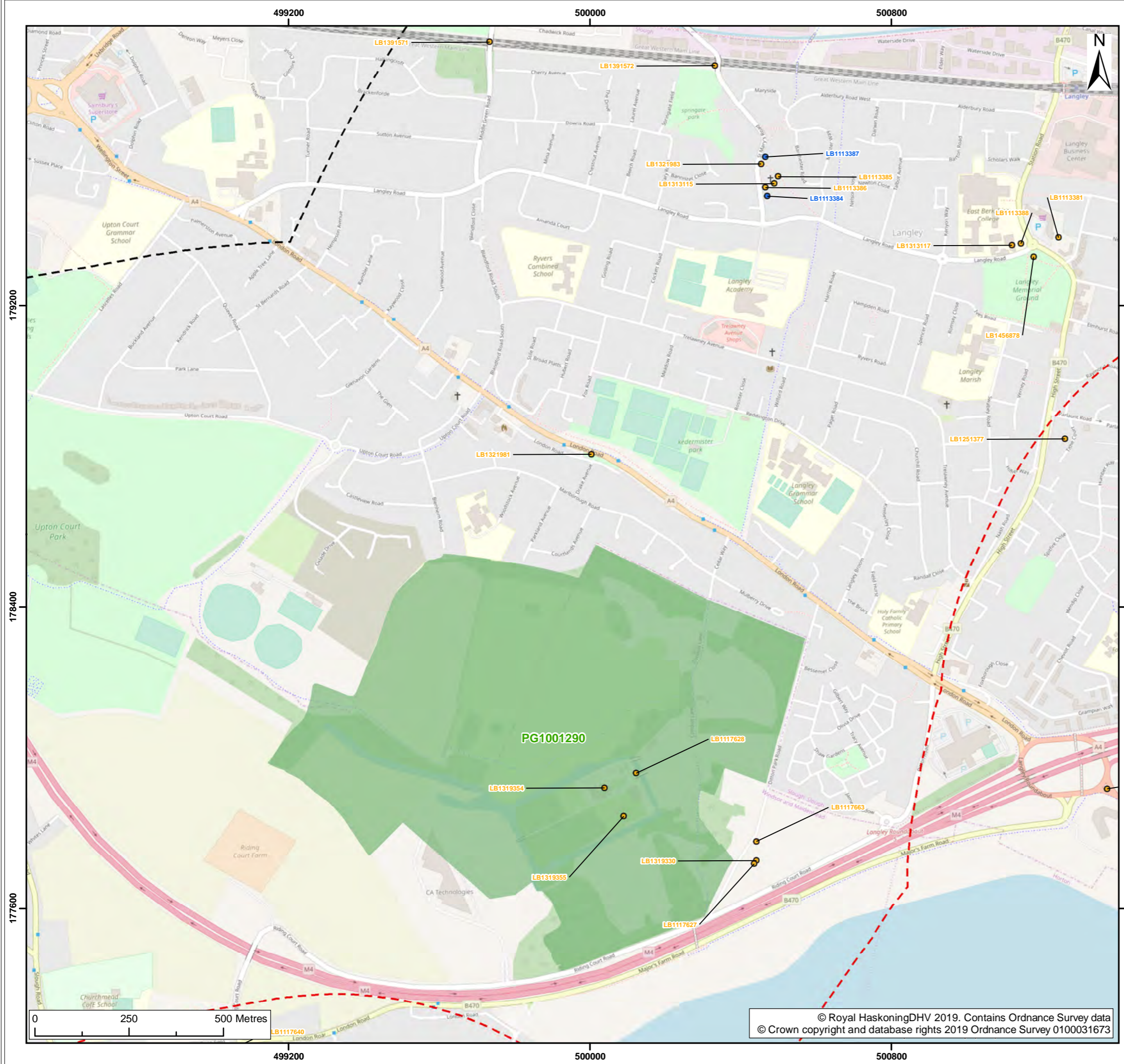
Title:  
**Designated assets within study areas (detailed)**

Figure: 11.4i    Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid    Page Size: A3    Scale: 1:10,000

Project: **Heathrow Western Hub**    Report: **Scoping Report**





- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

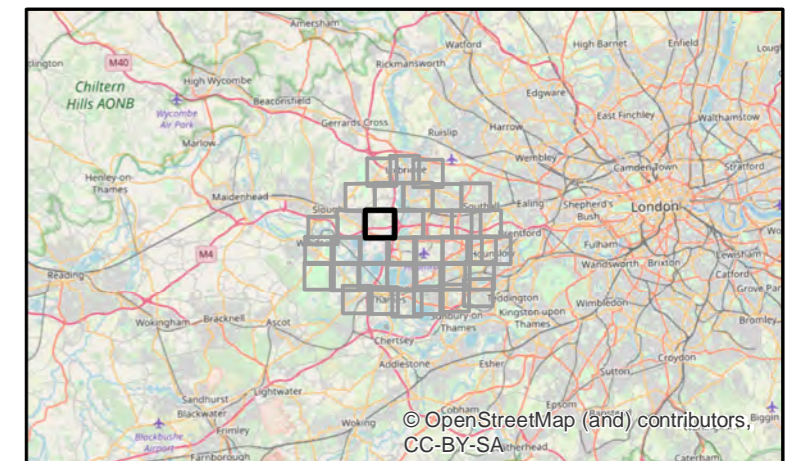
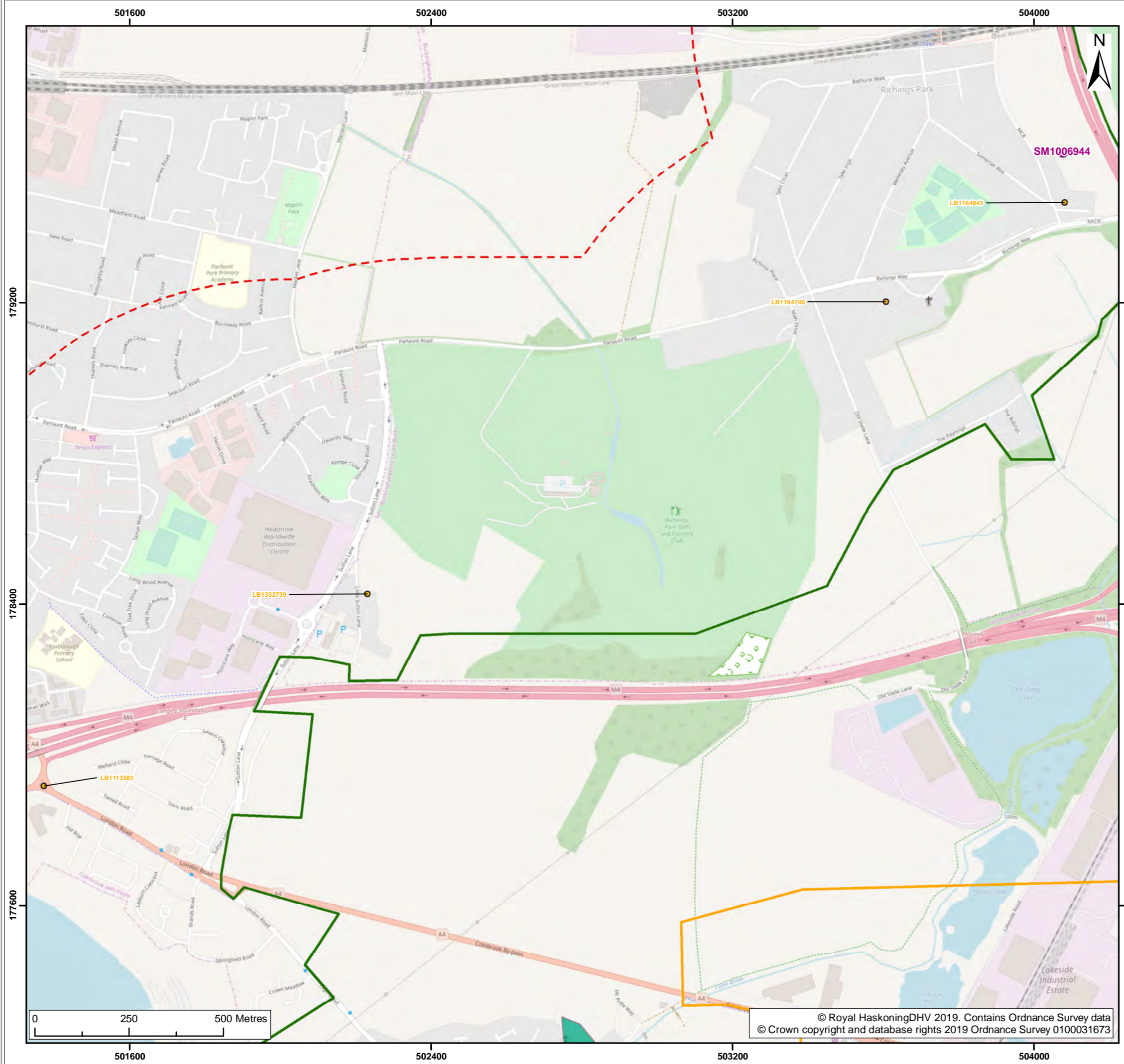
Title:  
Designated assets within study areas (detailed)

Figure: 11.4j | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



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- Legend:**
- Proposed northwest runway
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Ancient Woodland
  - Scheduled Monuments
  - Conservation areas
  - Grade II listed building

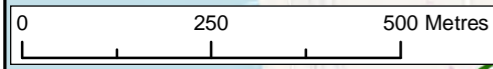
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

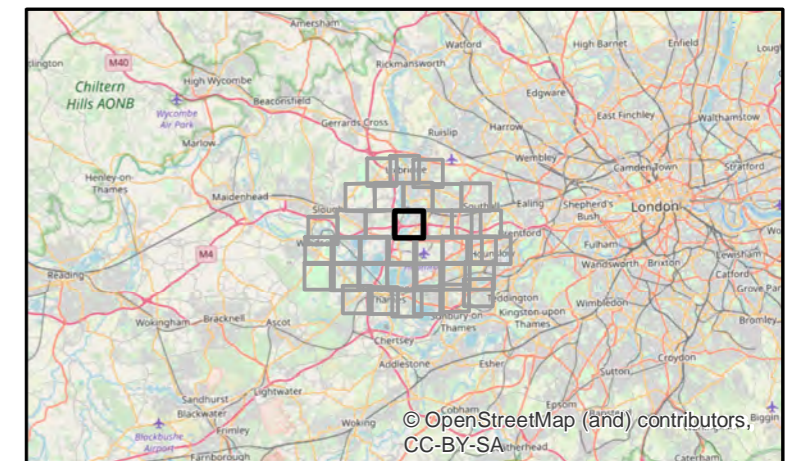
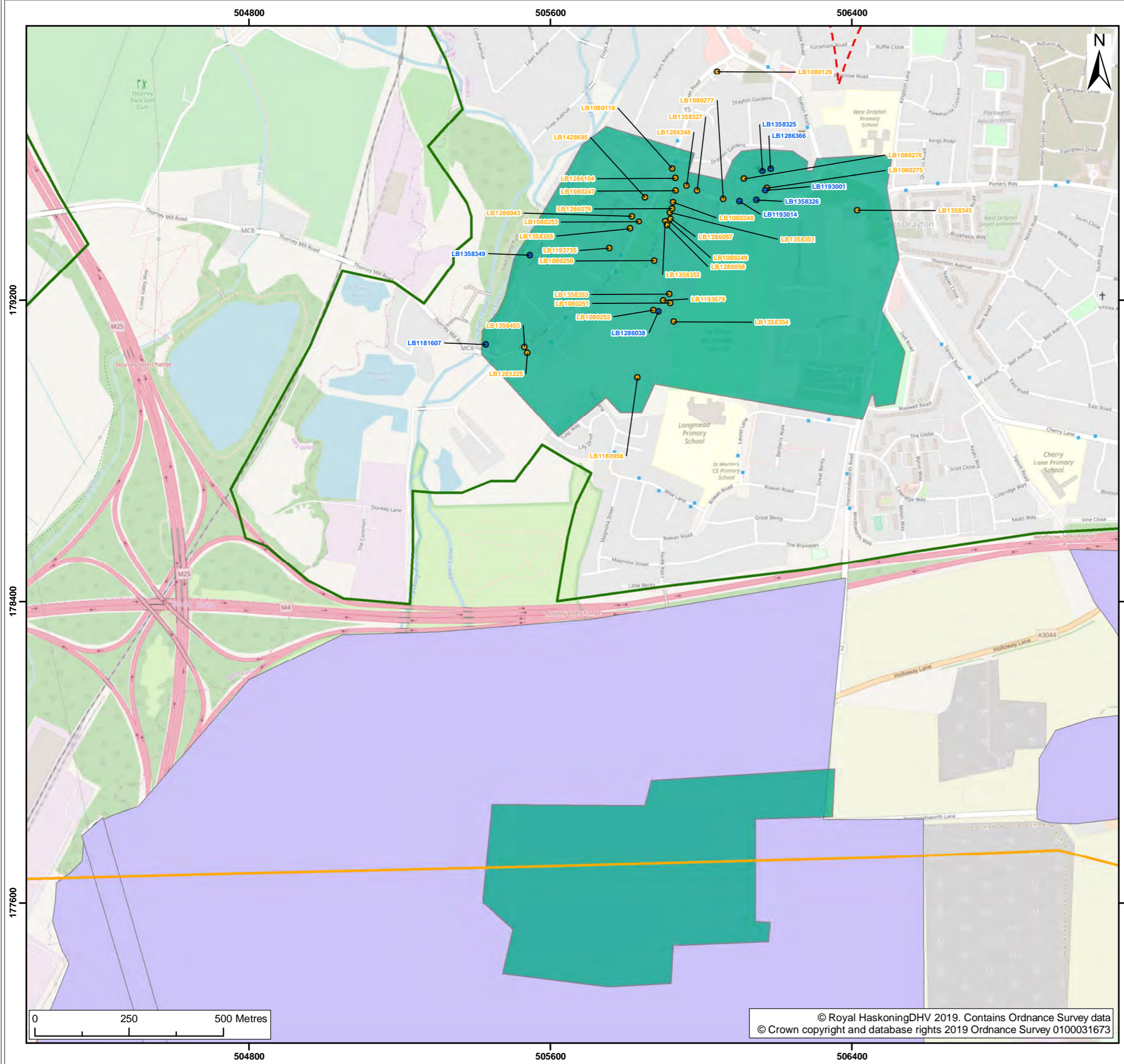
|  |  |                    |
|--|--|--------------------|
| Figure: 11.4k                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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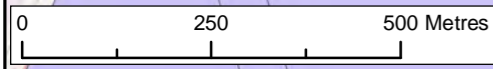


- Legend:**
- Proposed northwest runway
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

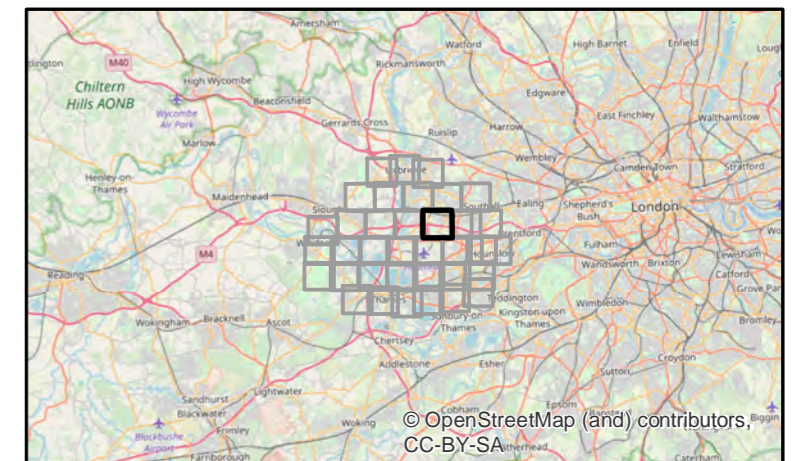
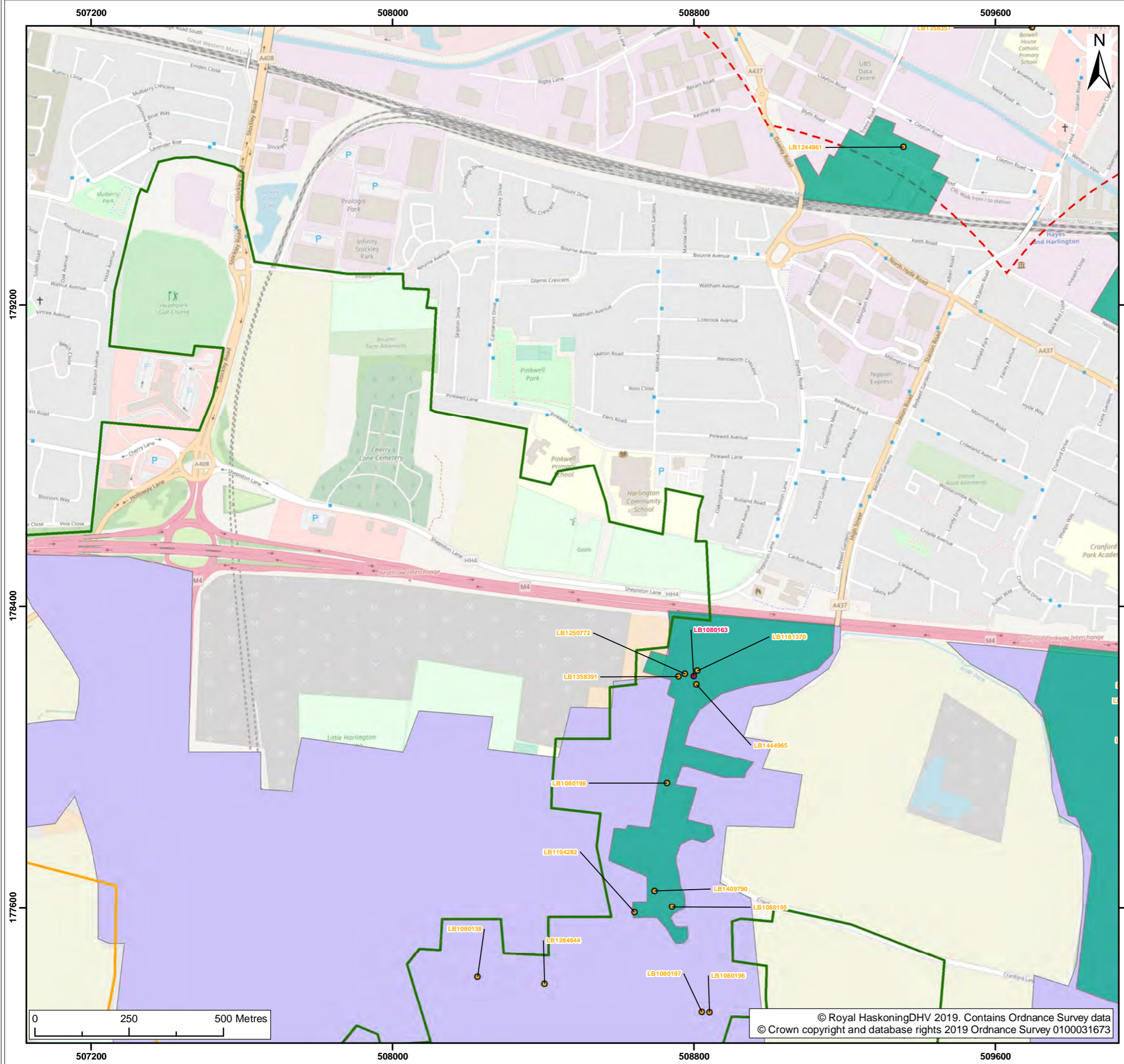
Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4I                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones
  - Grade I listed building
  - Grade II listed building

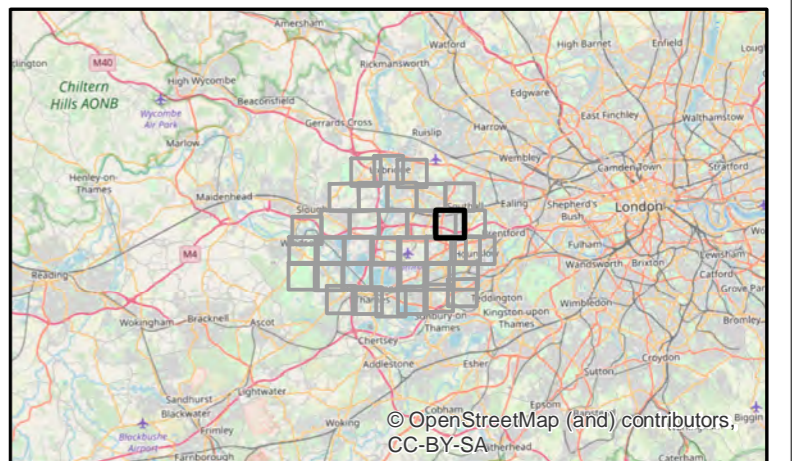
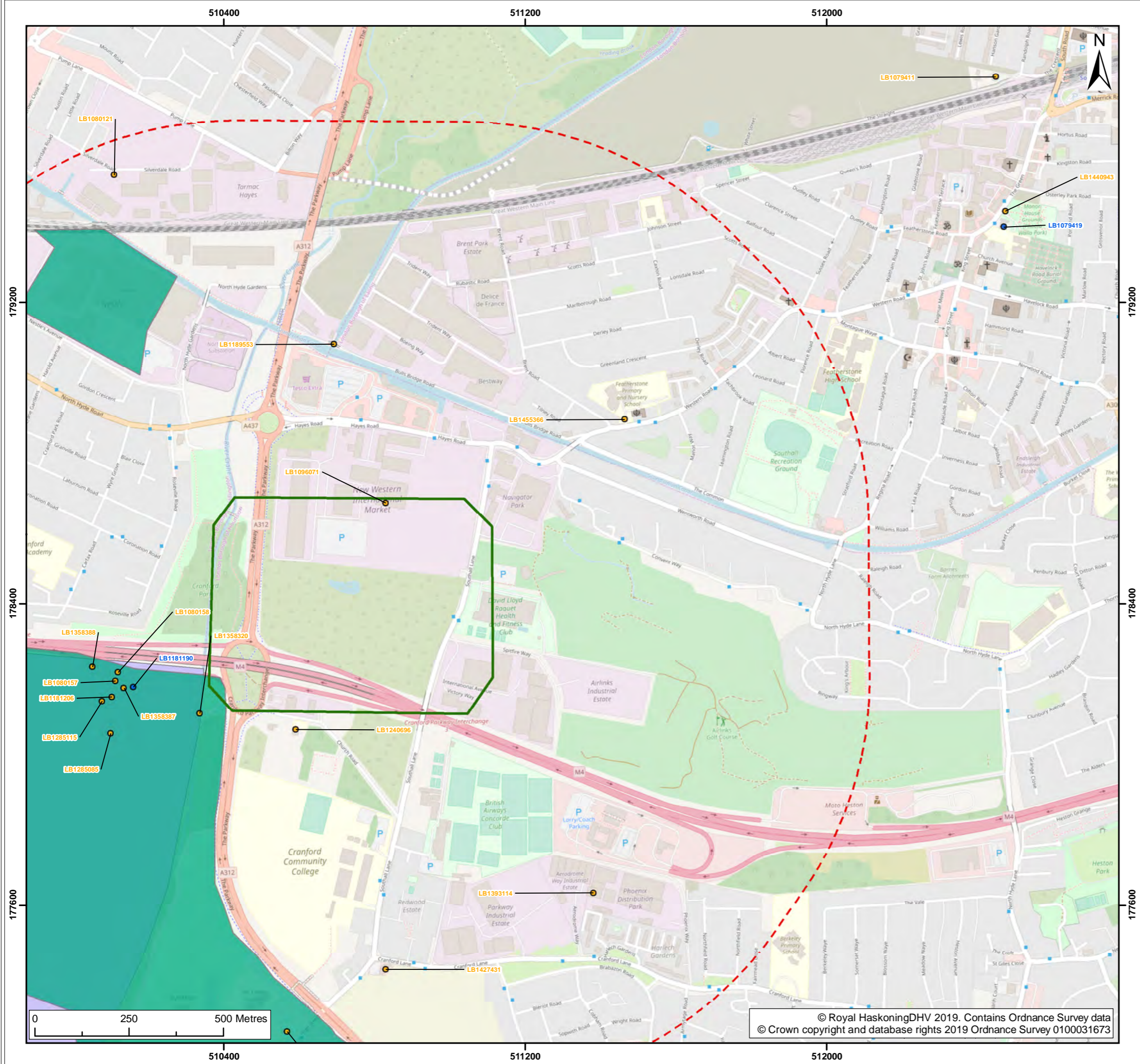
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4m                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

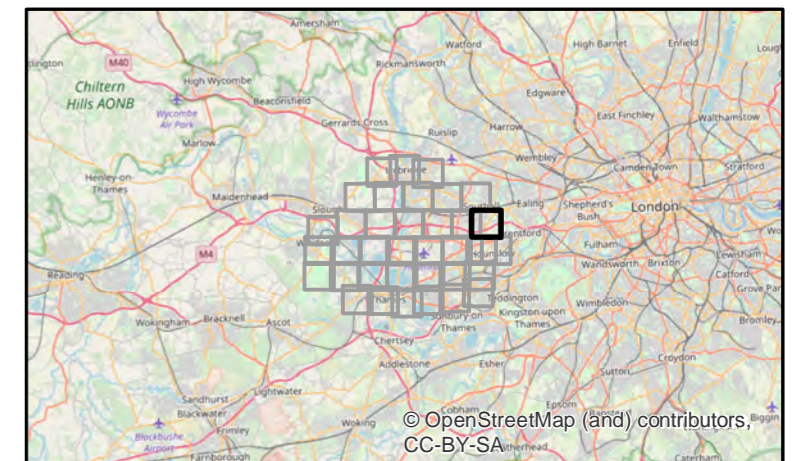
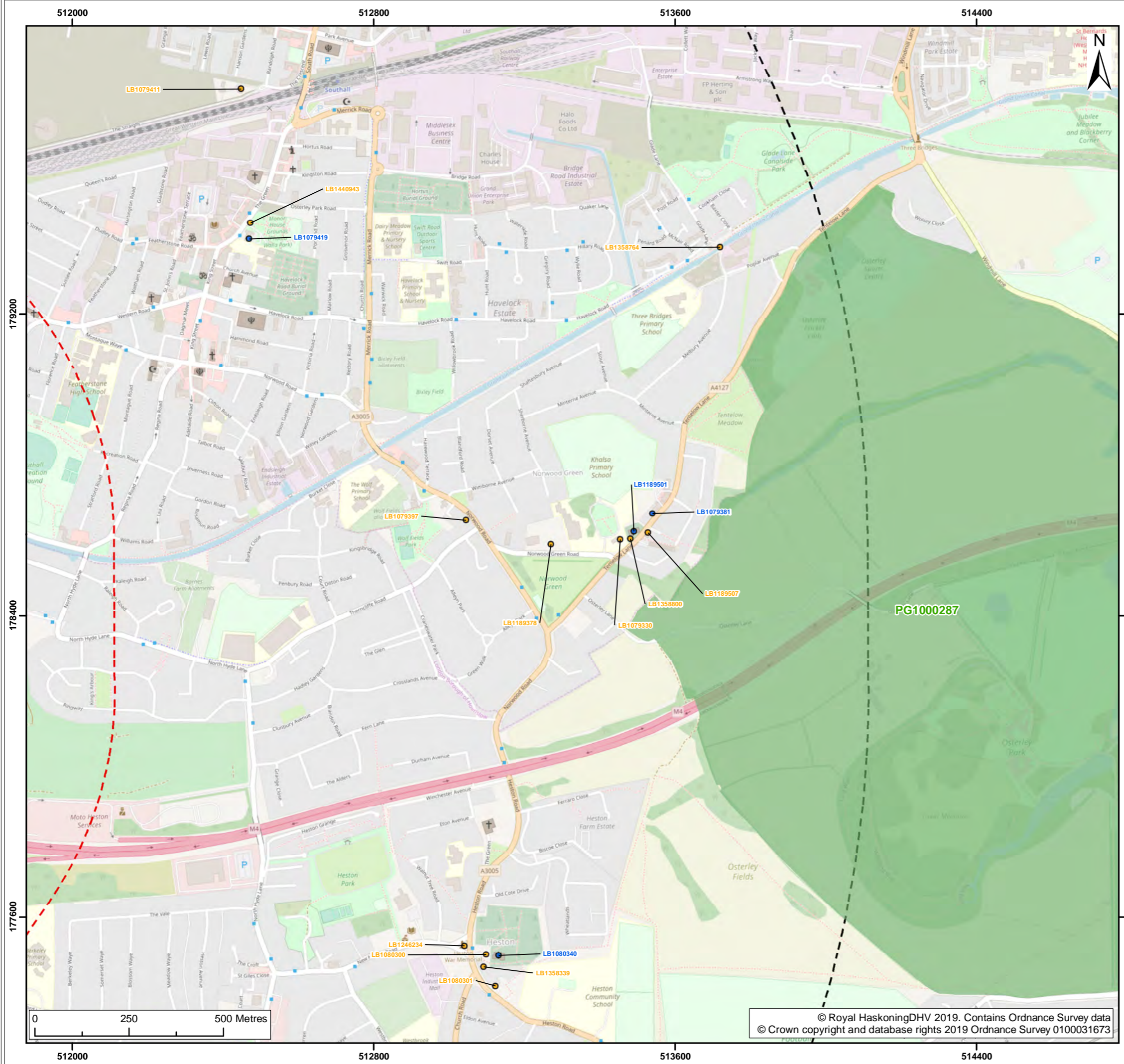
Figure: 11.4n Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Grade II listed building
  - Grade II\* listed building

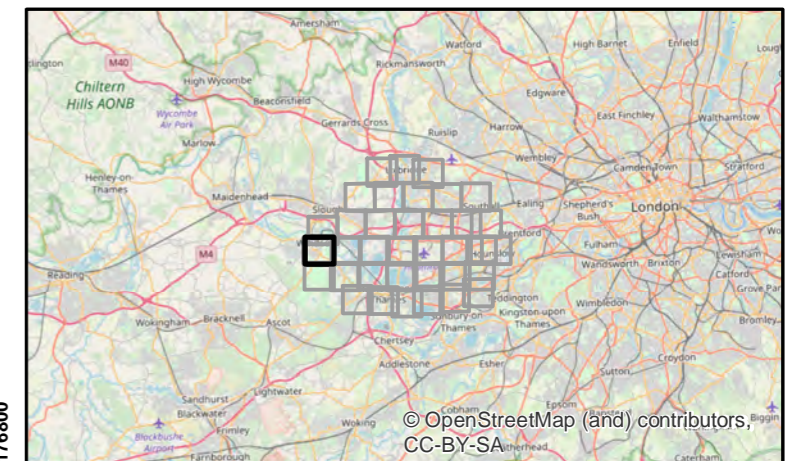
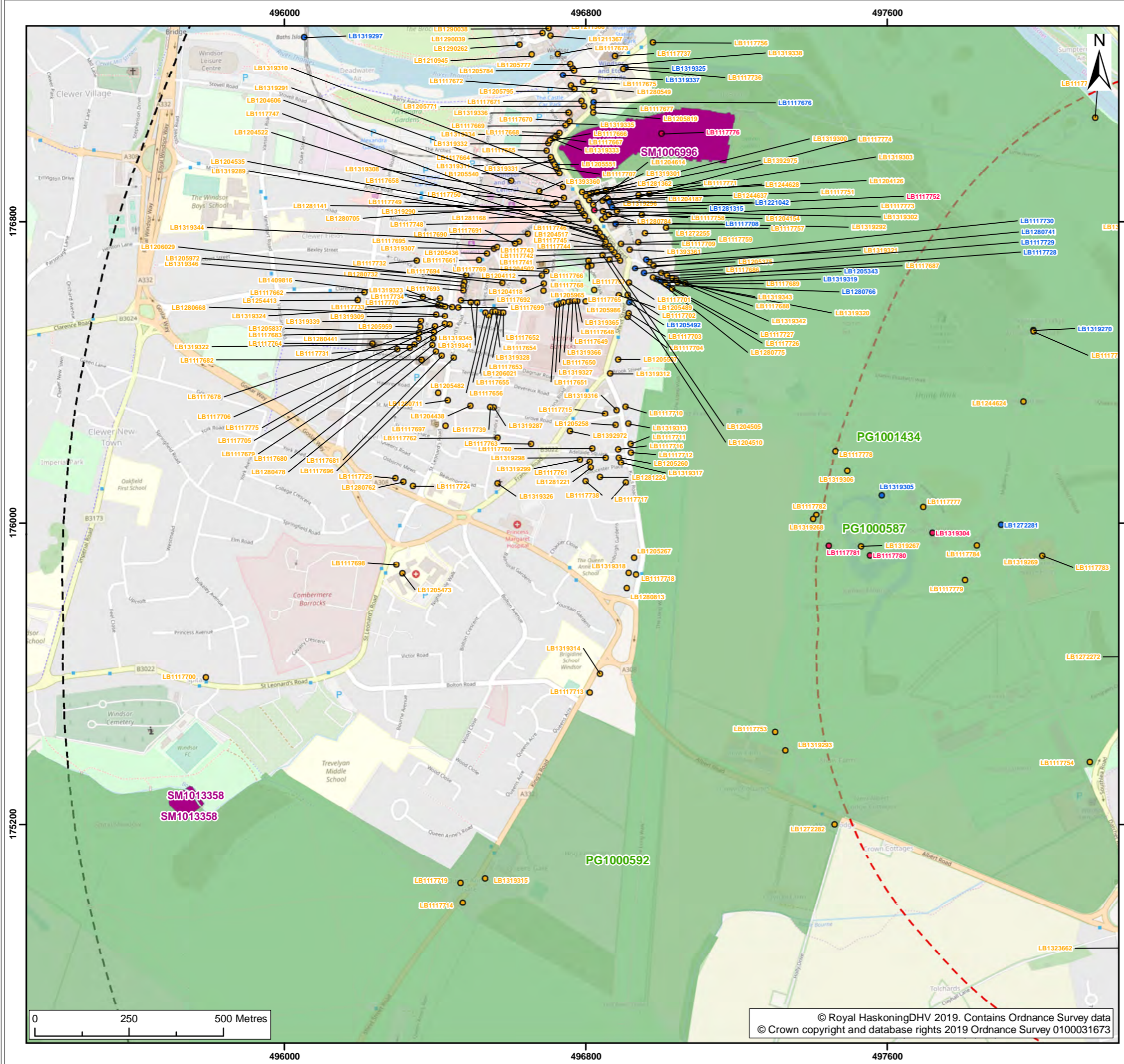
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4o                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Scheduled Monuments
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

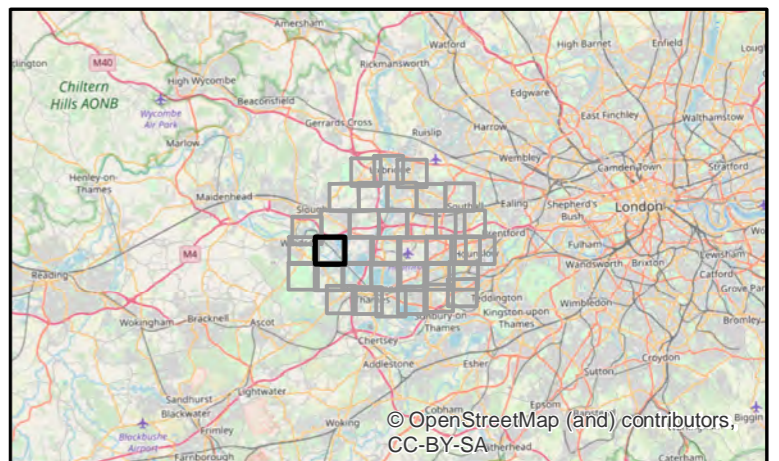
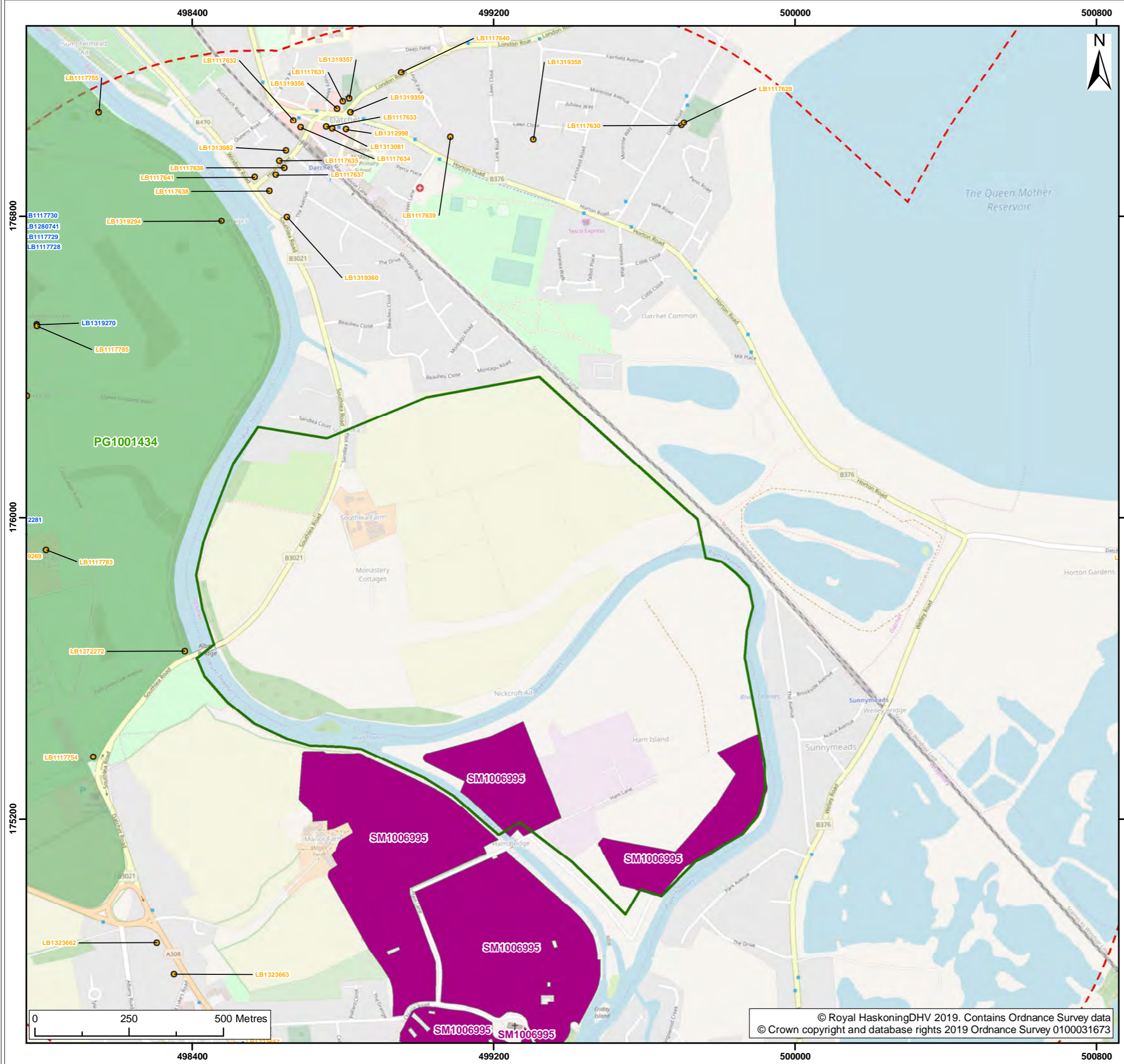
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4p                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Scheduled Monuments
  - Grade II listed building
  - Grade II\* listed building

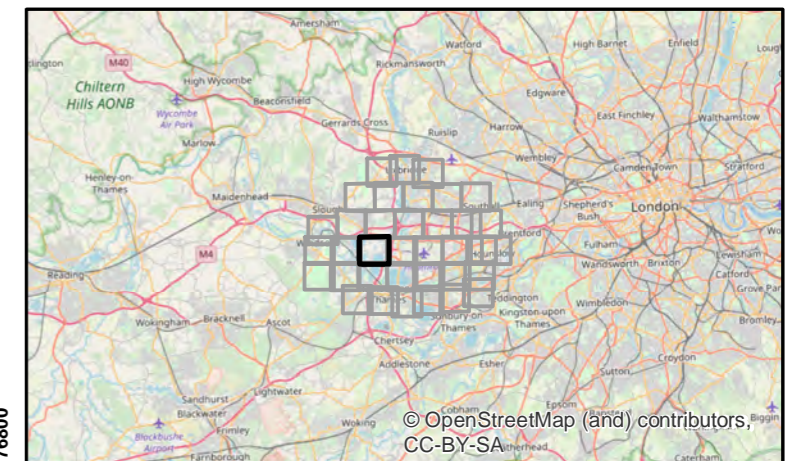
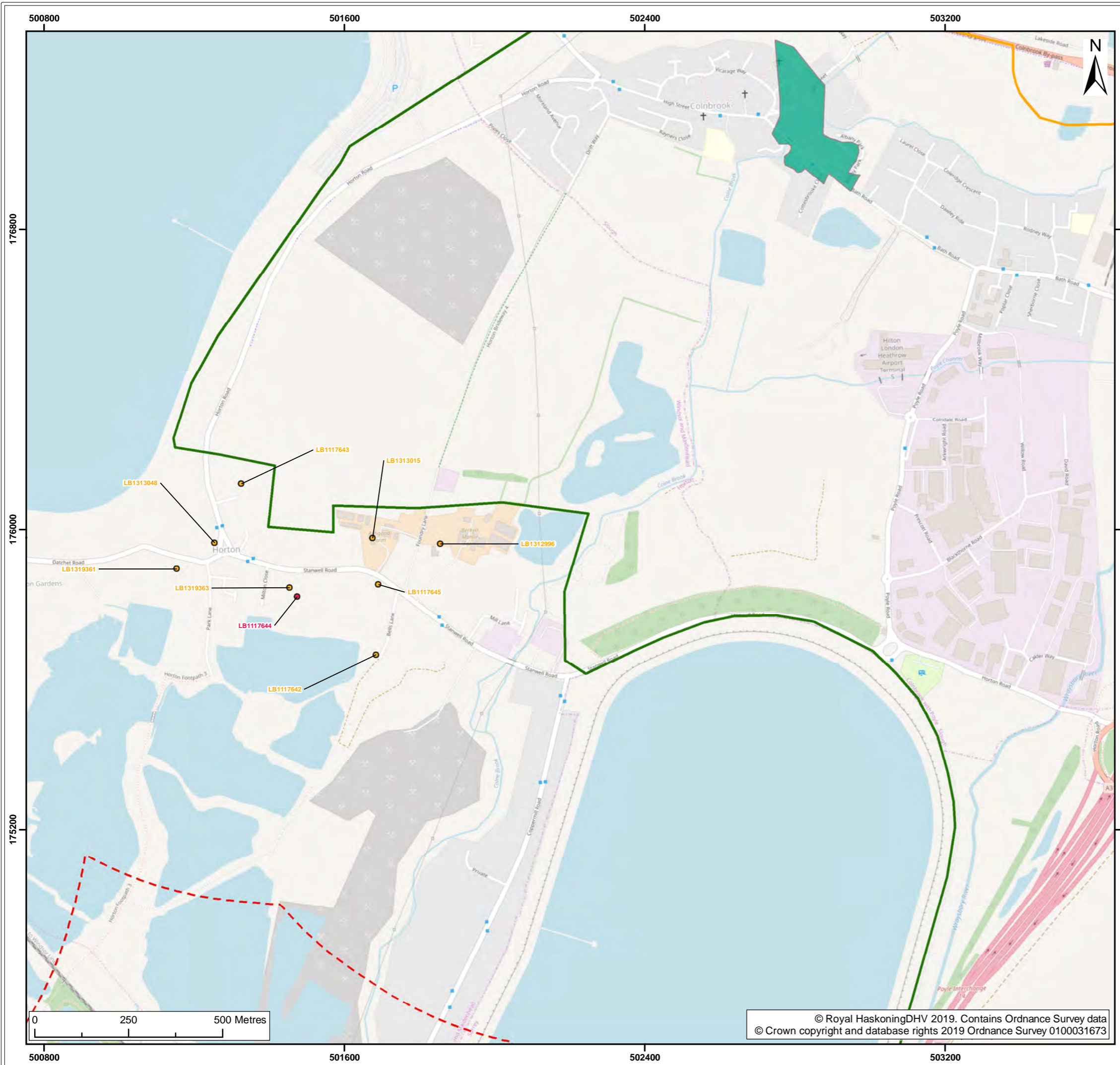
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4q                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- Proposed northwest runway
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Grade I listed building
  - Grade II listed building

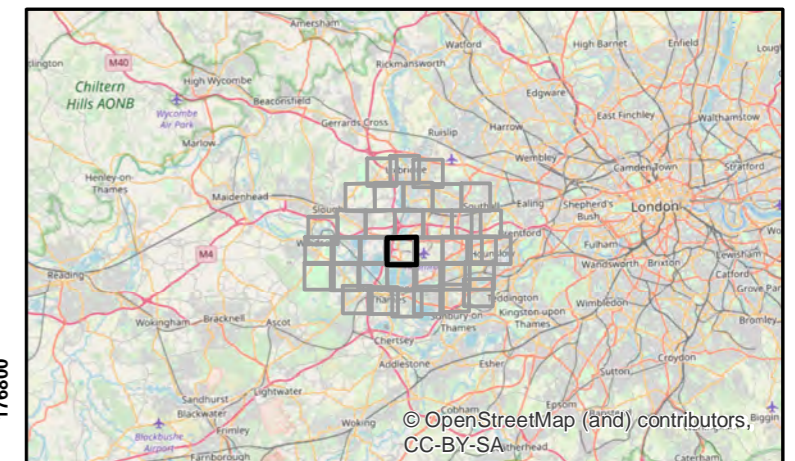
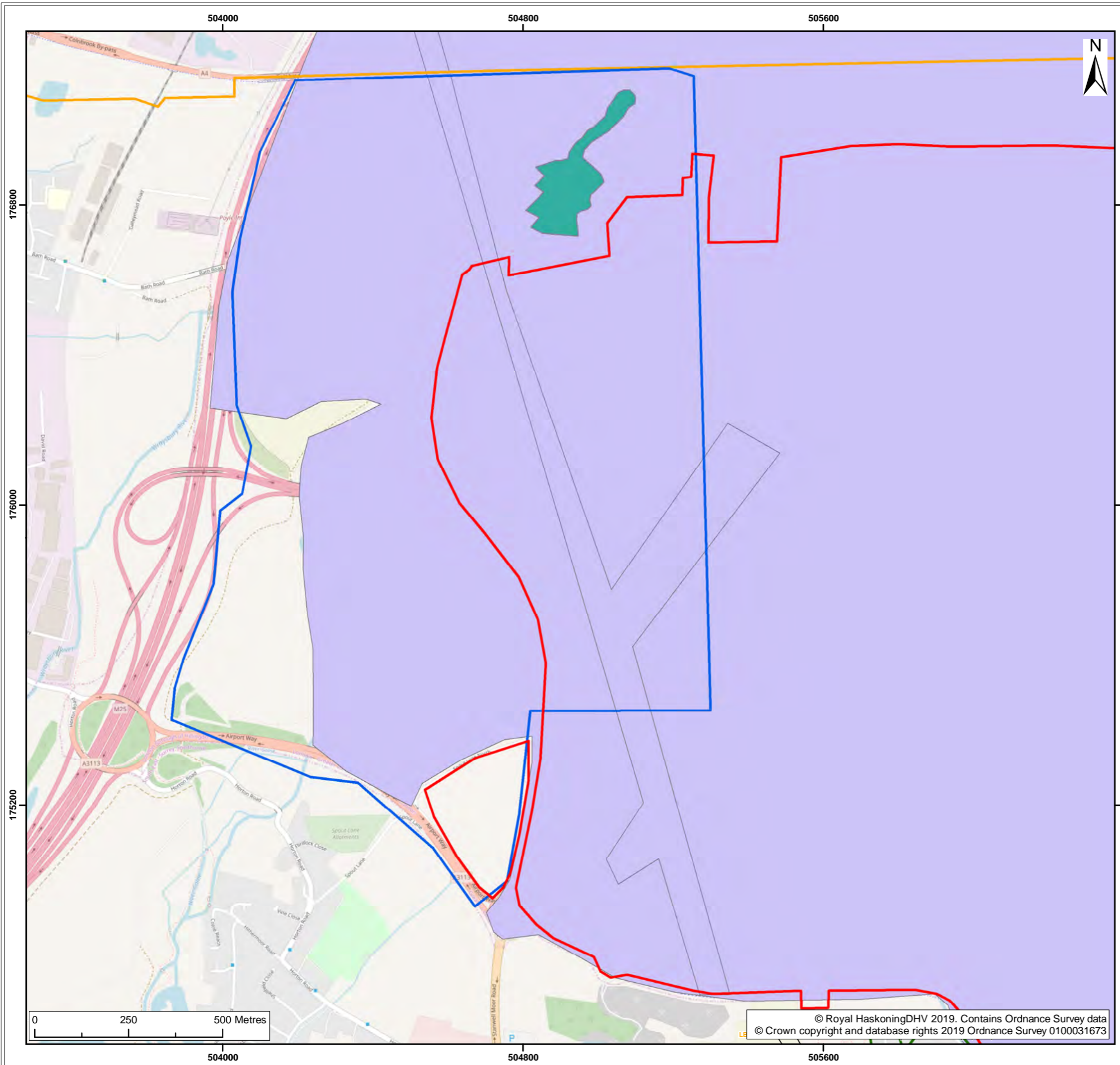
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4r                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

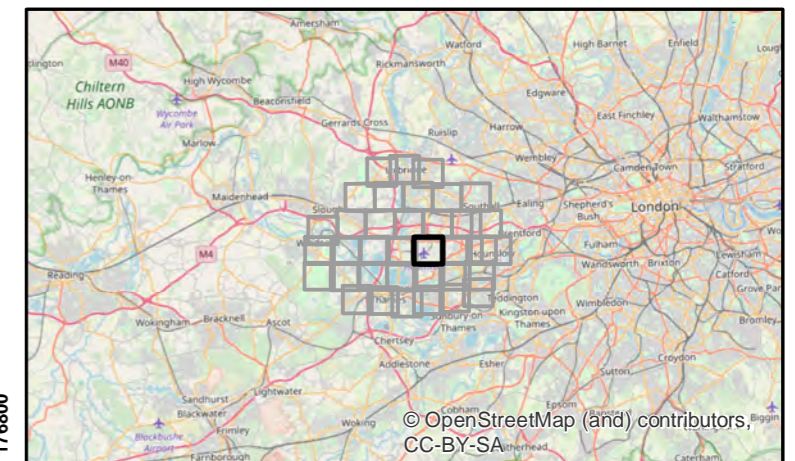
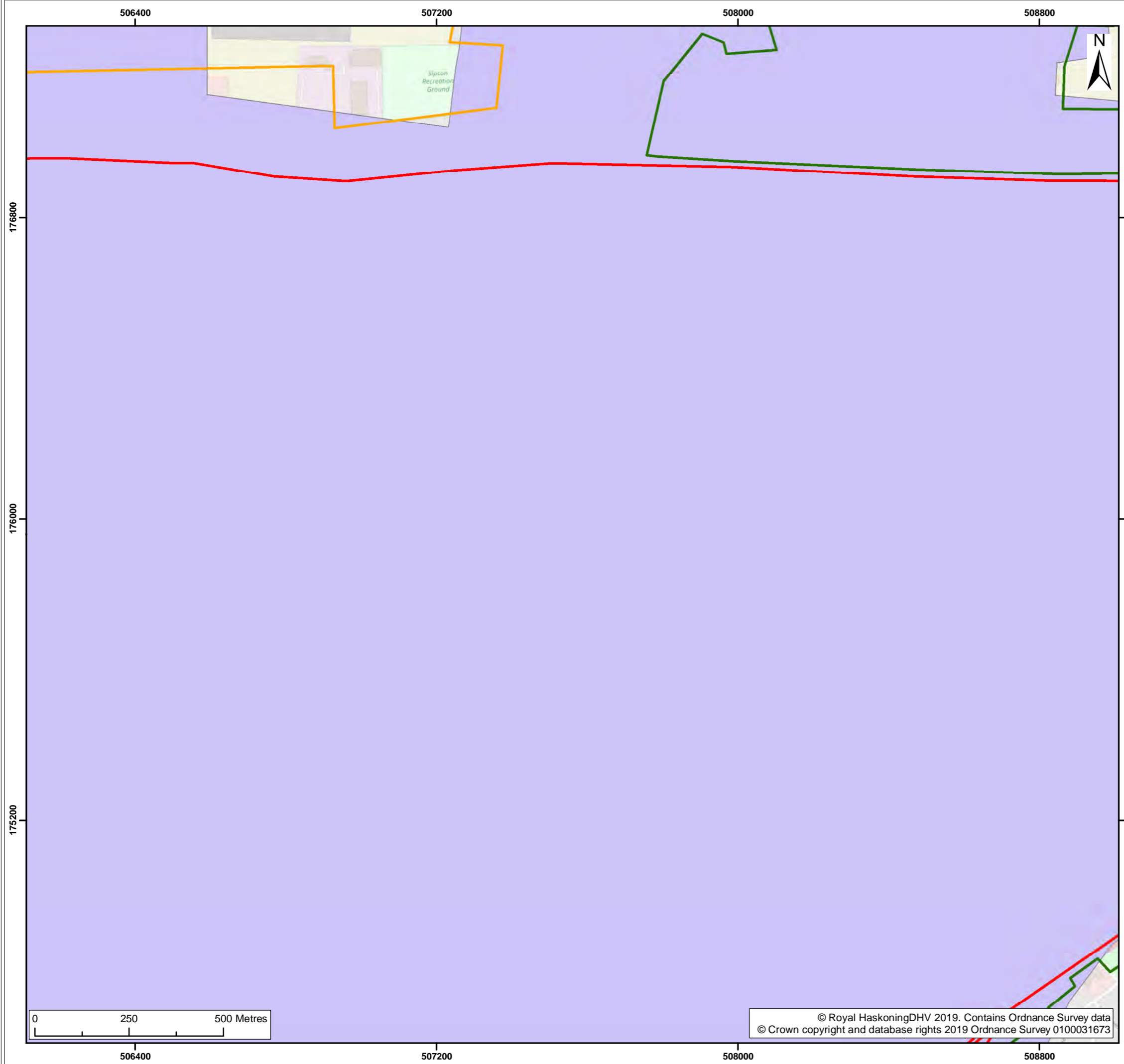
Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4s                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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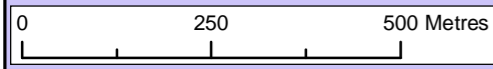


- Legend:
- Proposed northwest runway
  - Existing airport
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Archaeology Priority Zones

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

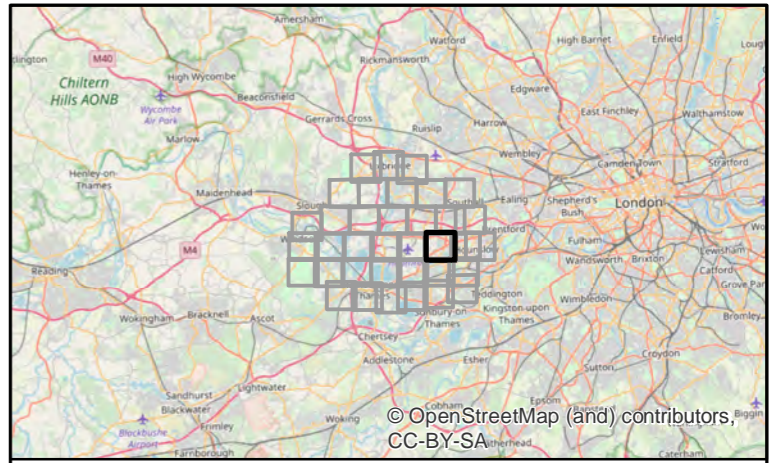
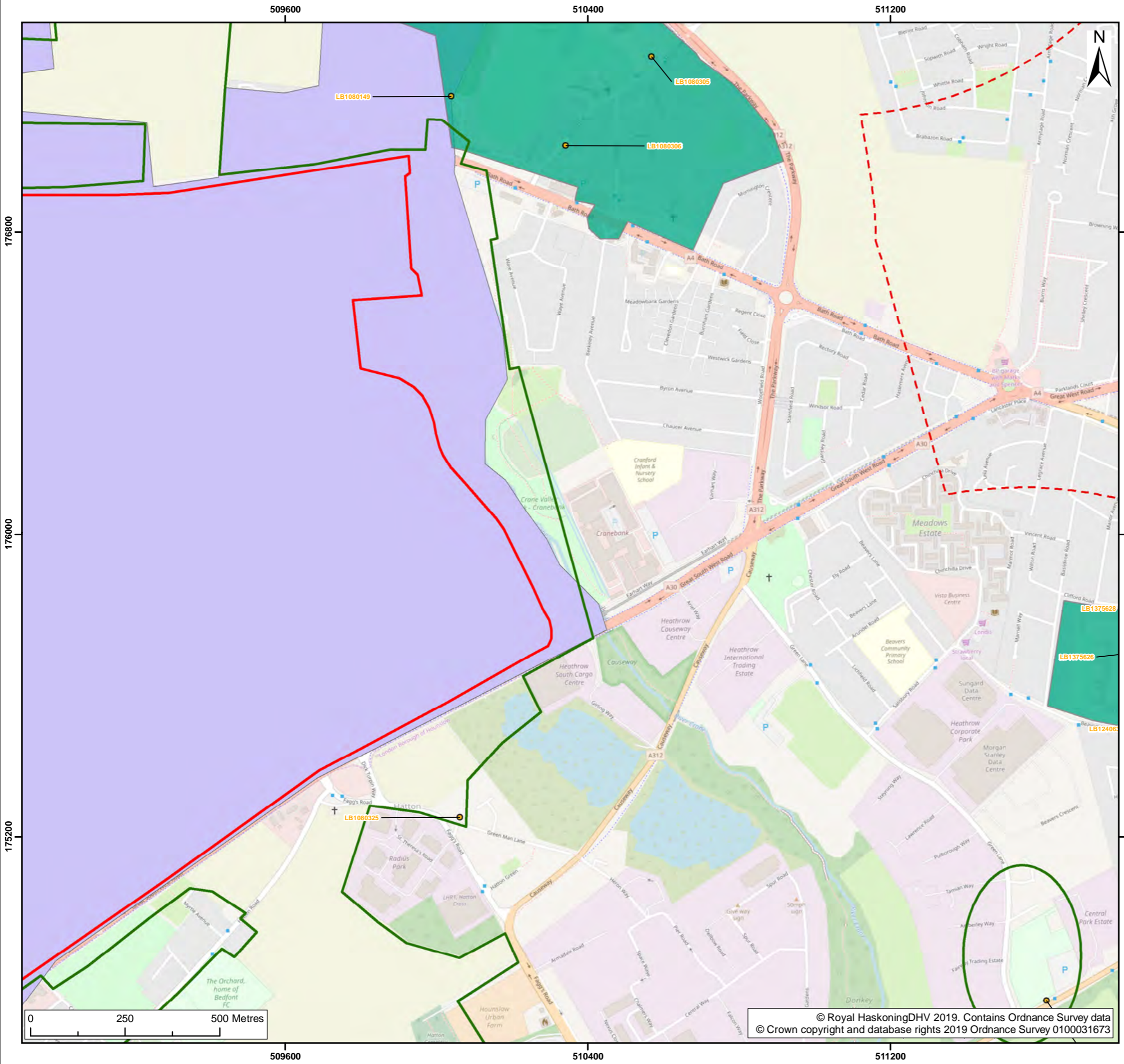
Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4t                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Existing airport
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones
  - Grade II listed building

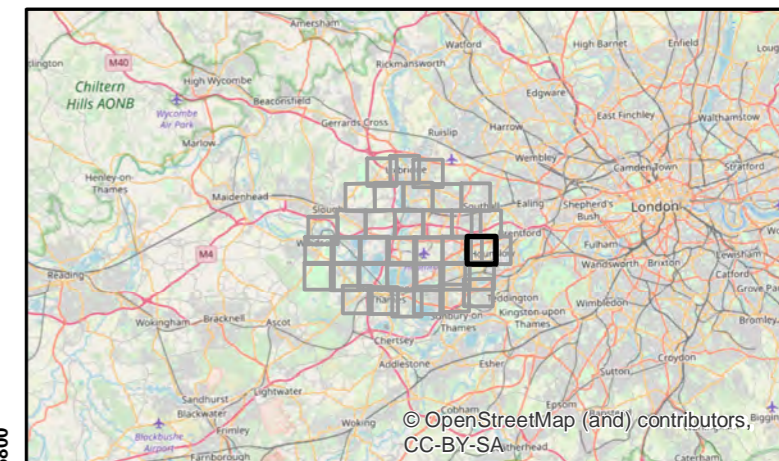
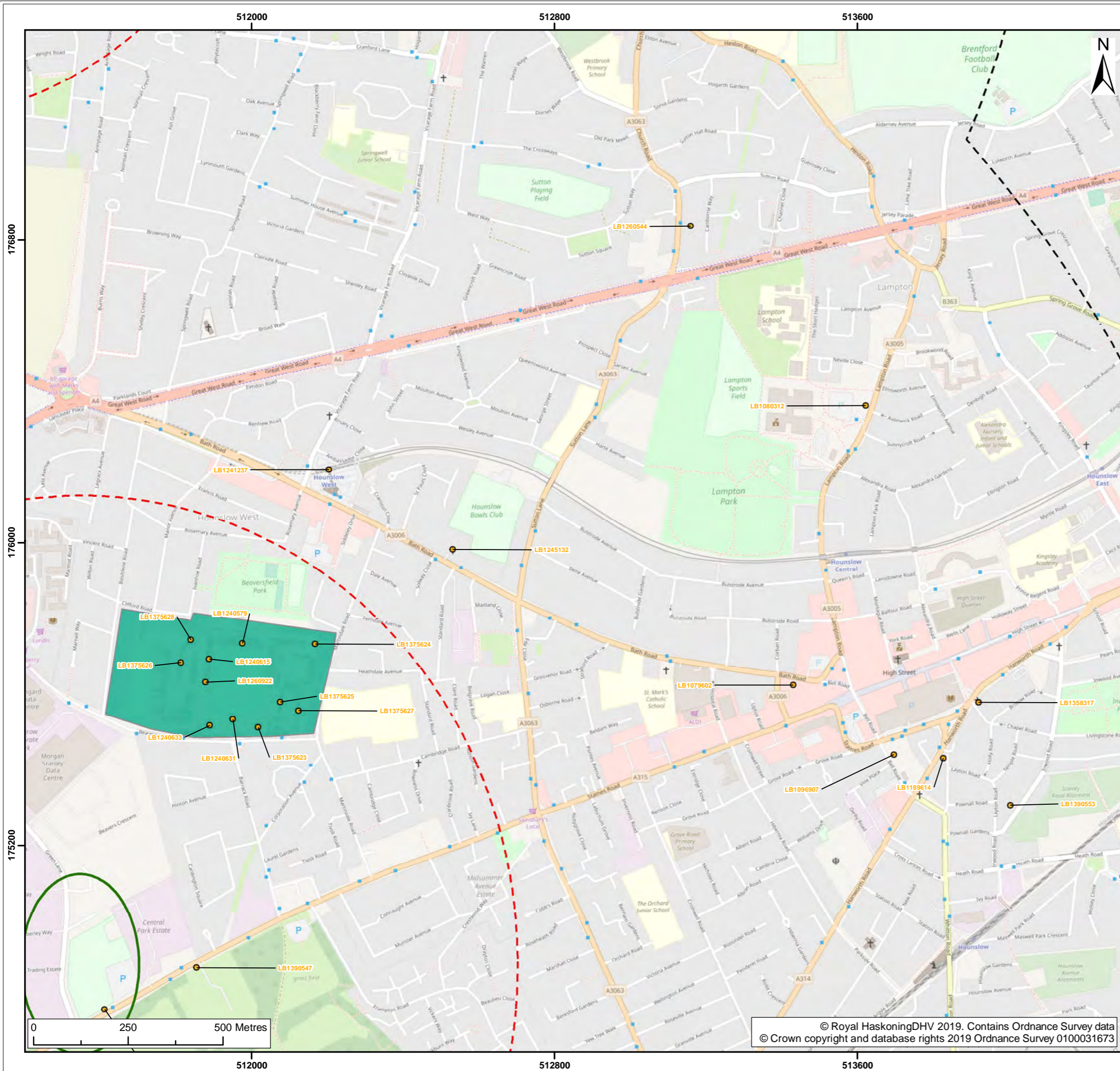
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4u                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

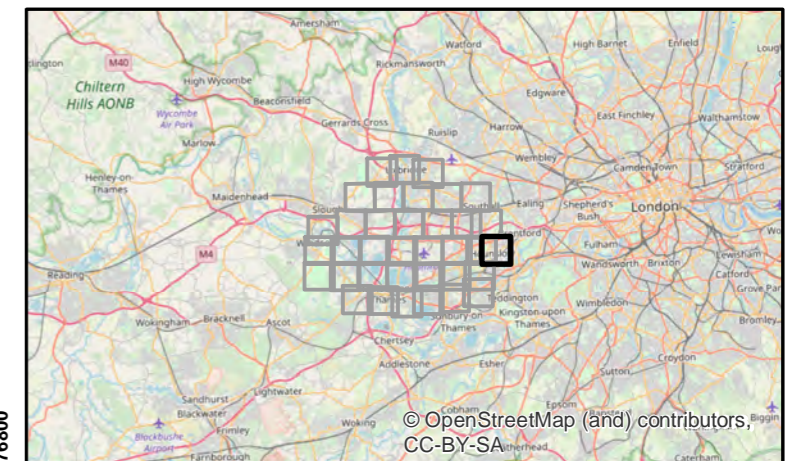
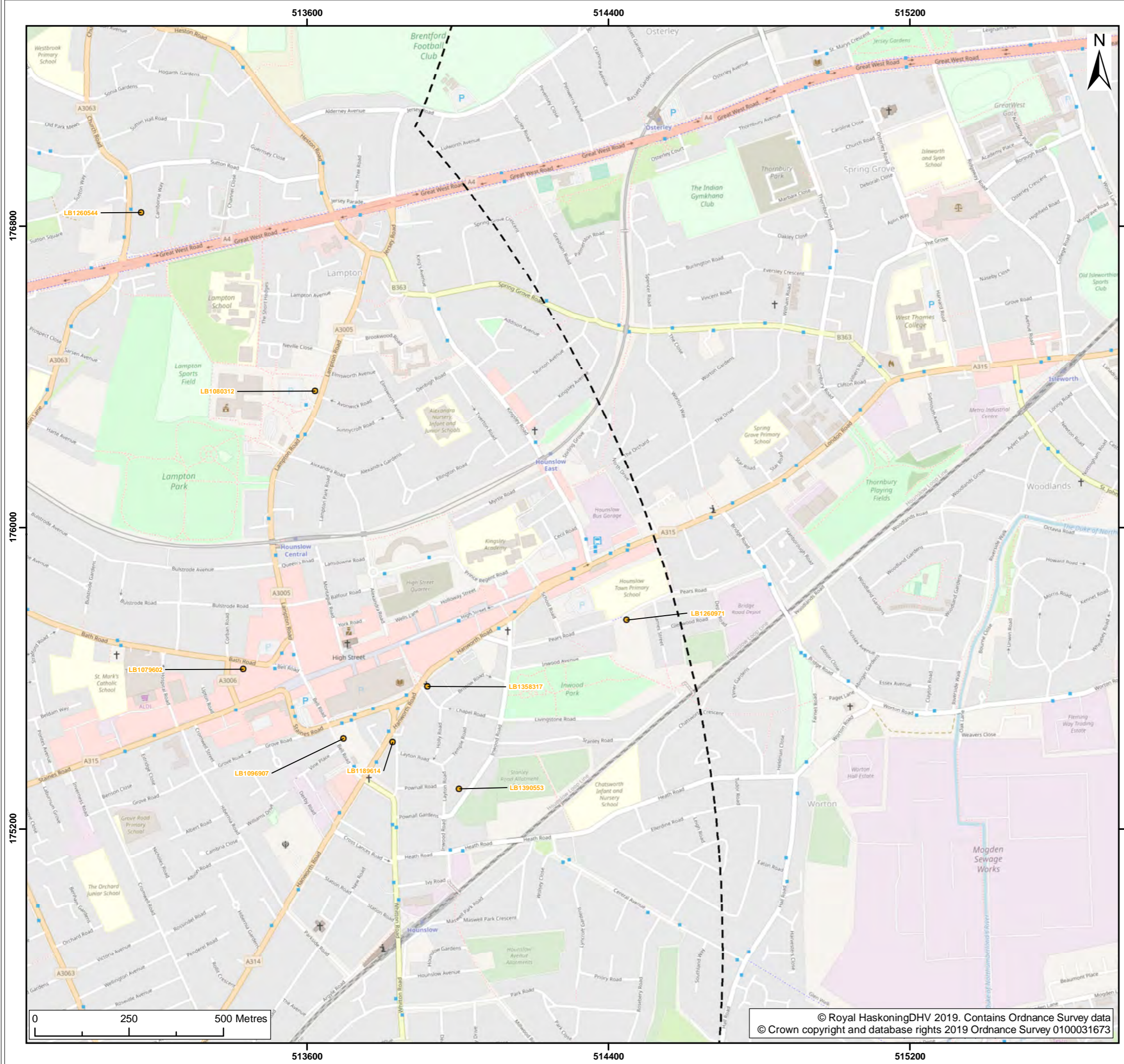
Figure: 11.4v Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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Legend:  
 - - - 3km buffer of associated works  
 ● Grade II listed building

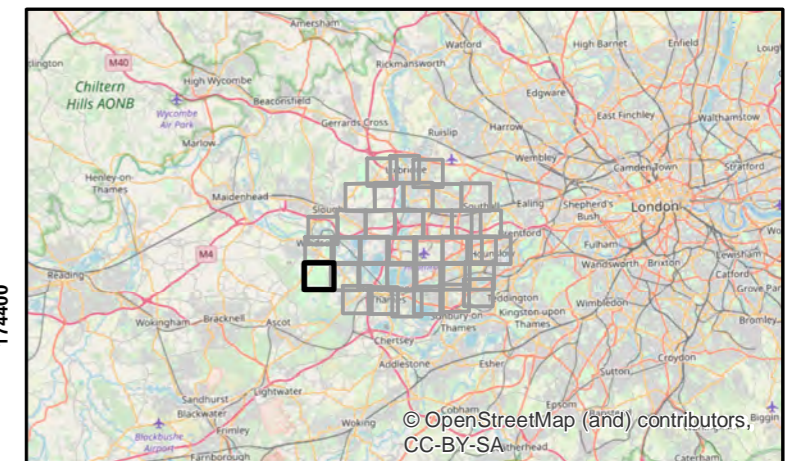
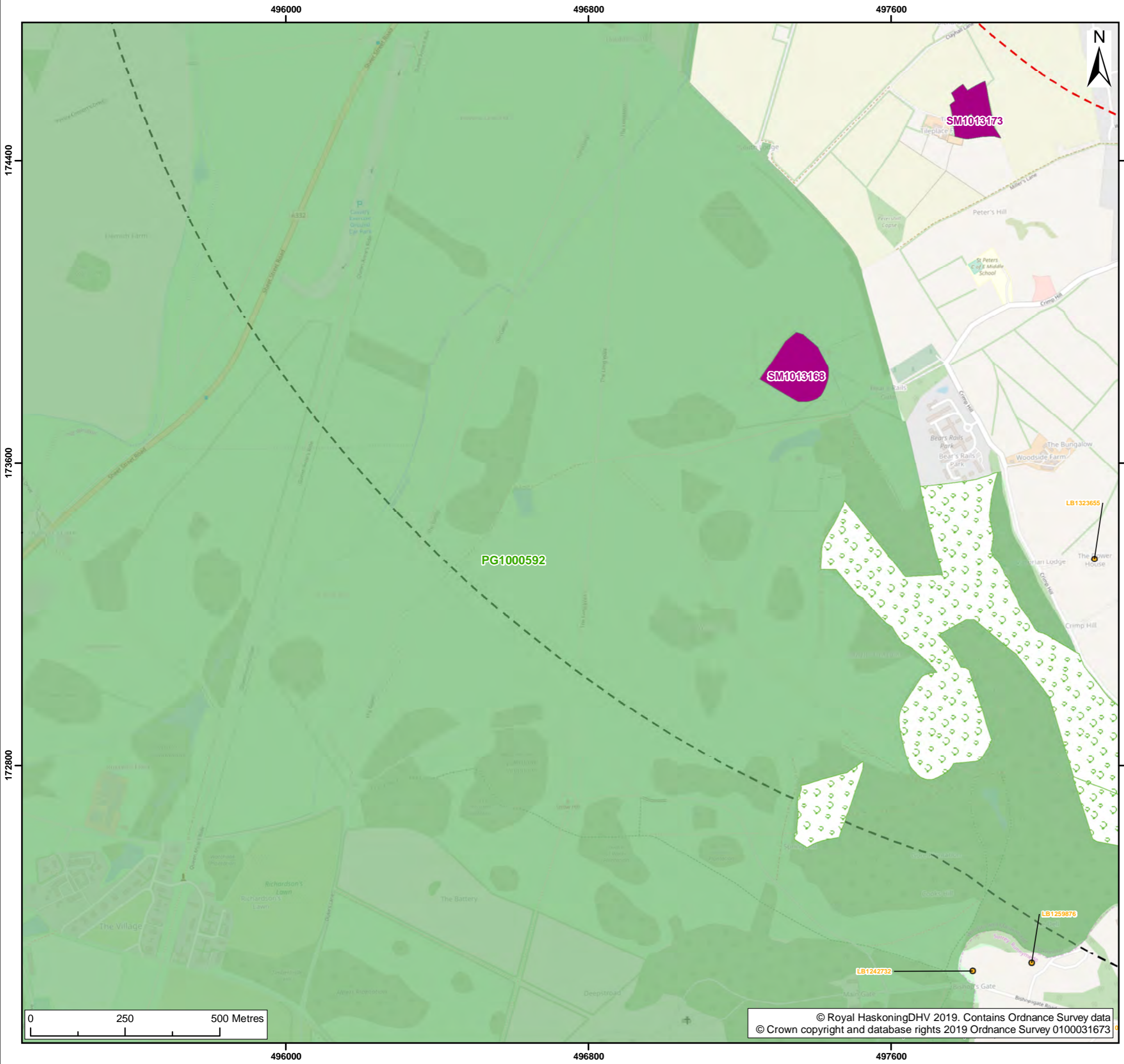
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4w                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Ancient Woodland
  - Scheduled Monuments
  - Grade II listed building

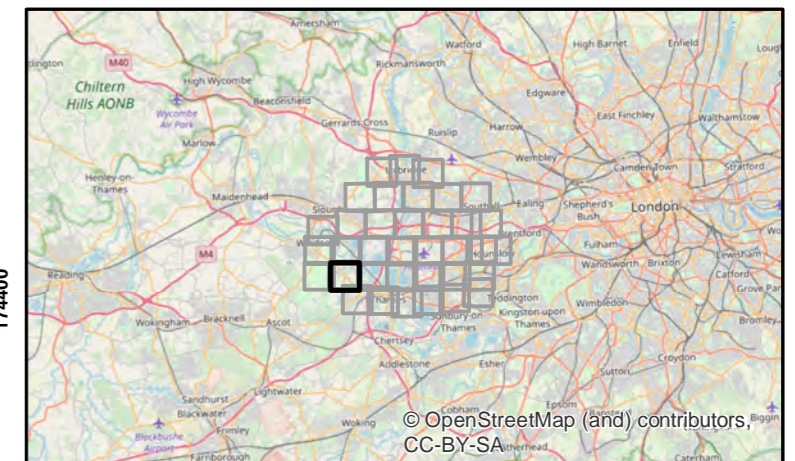
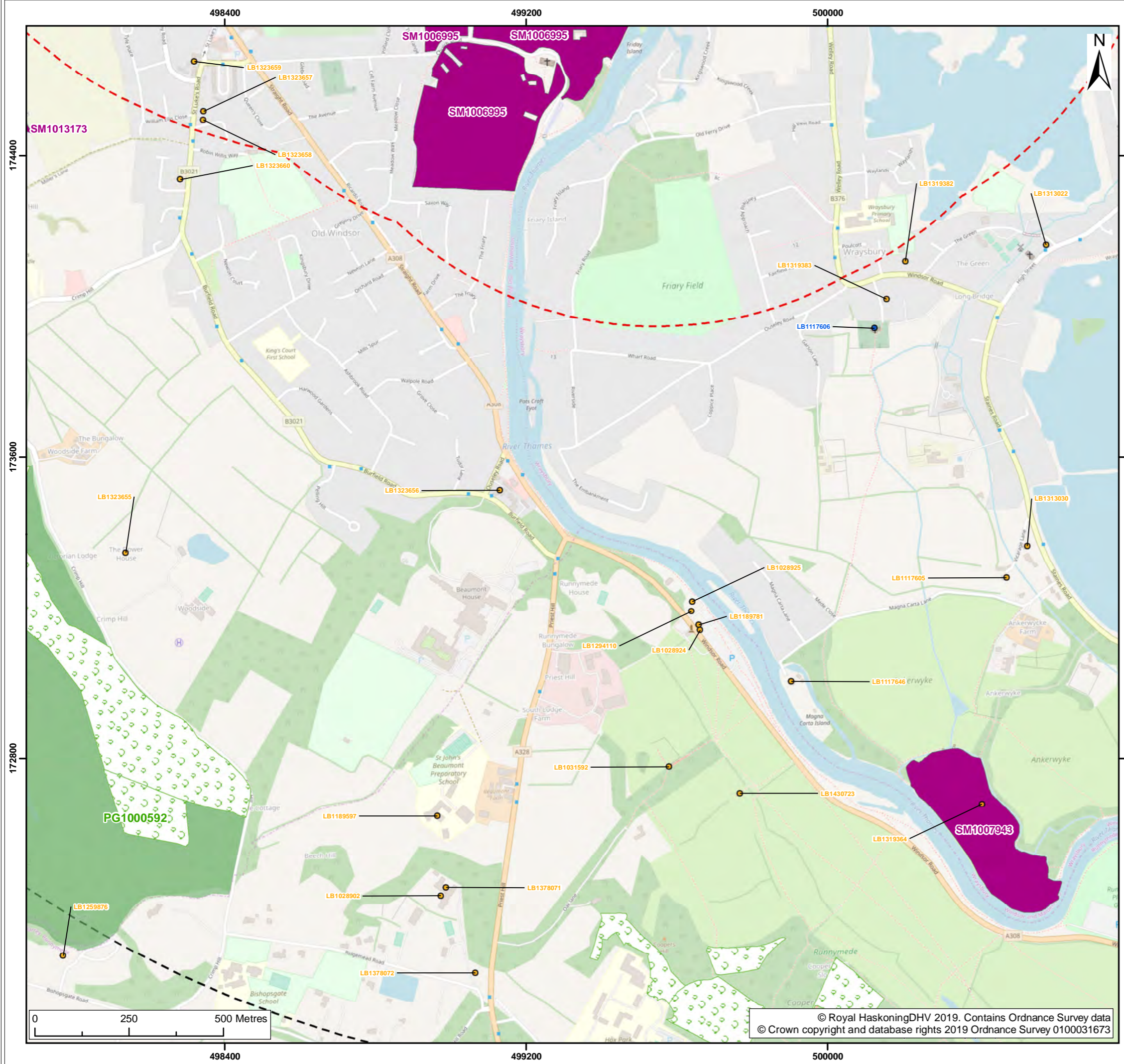
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4x                                | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Ancient Woodland
  - Scheduled Monuments
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

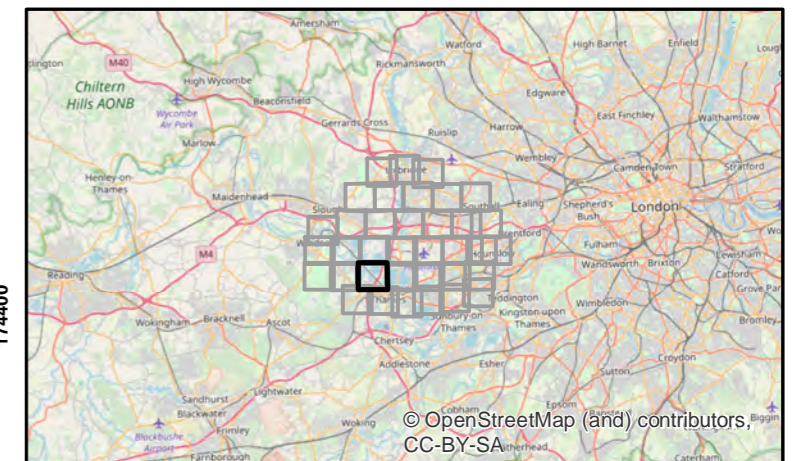
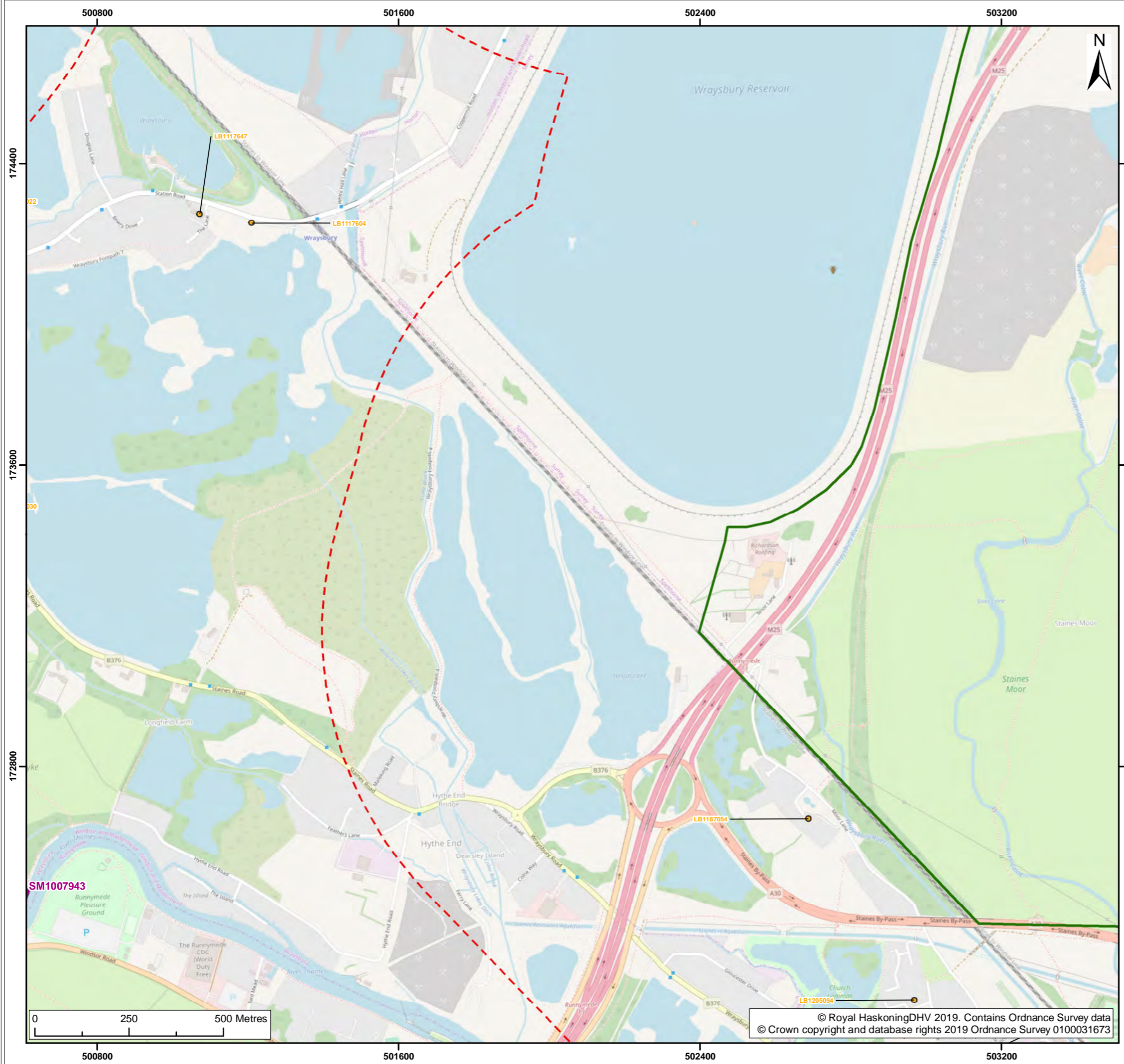
Figure: 11.4y    Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid    Page Size: A3    Scale: 1:10,000

Project: Heathrow Western Hub    Report: Scoping Report



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- Legend:
- Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Scheduled Monuments
  - Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

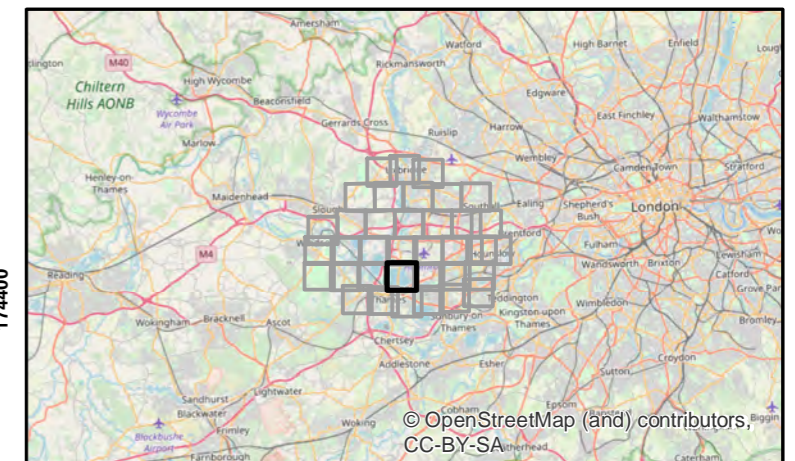
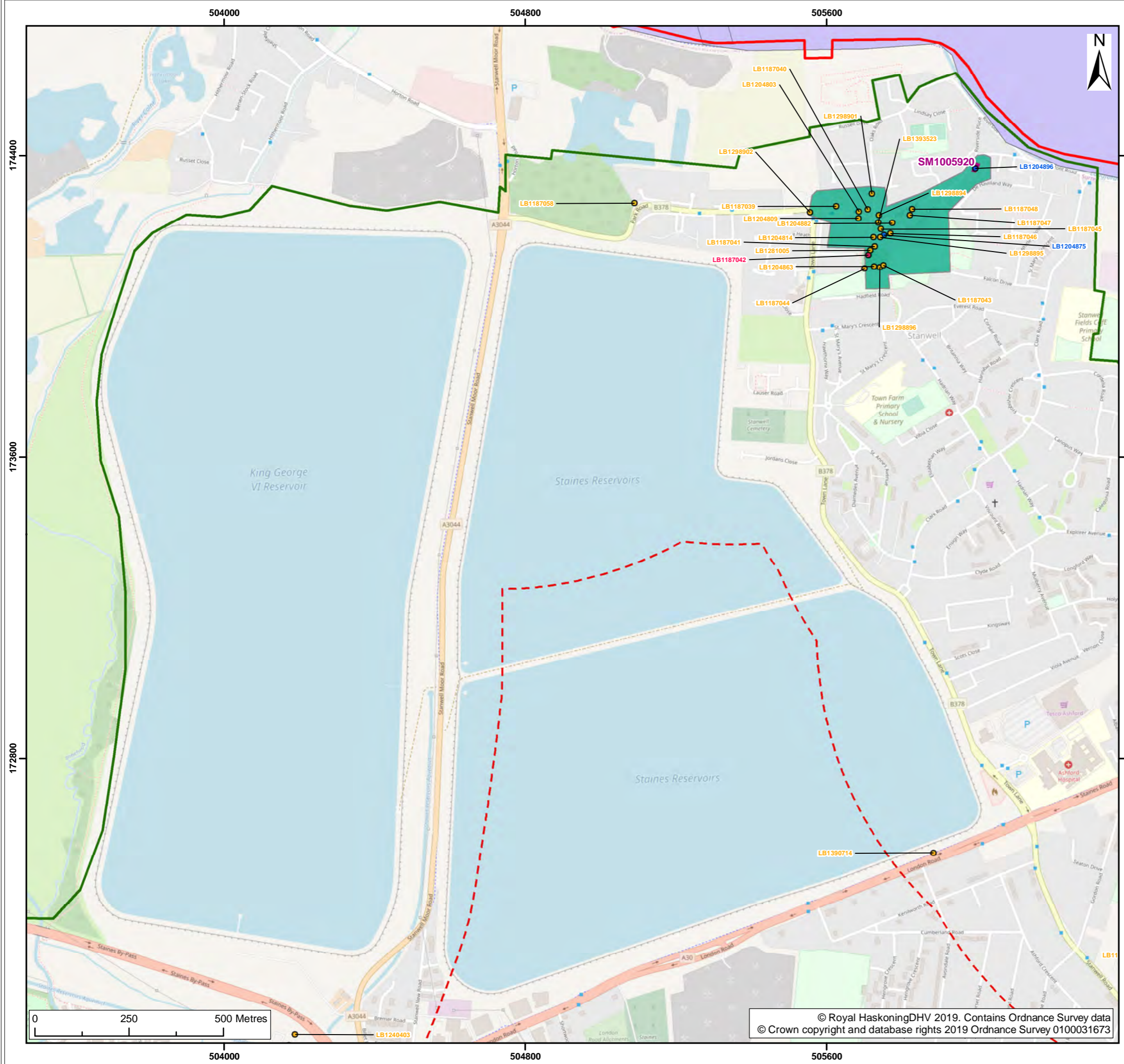
Title:  
 Designated assets within study areas (detailed)

Figure: 11.4z Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report





- Legend:**
- Existing airport
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Scheduled Monuments
  - Conservation areas
  - Archaeology Priority Zones
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

Figure: 11.4aa Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

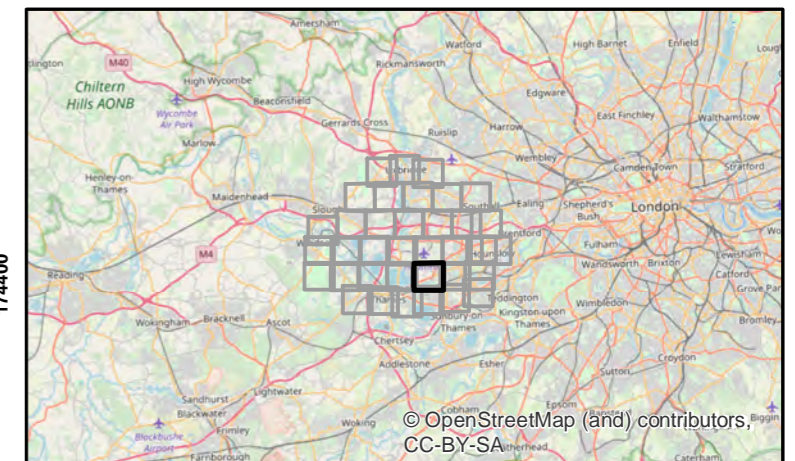
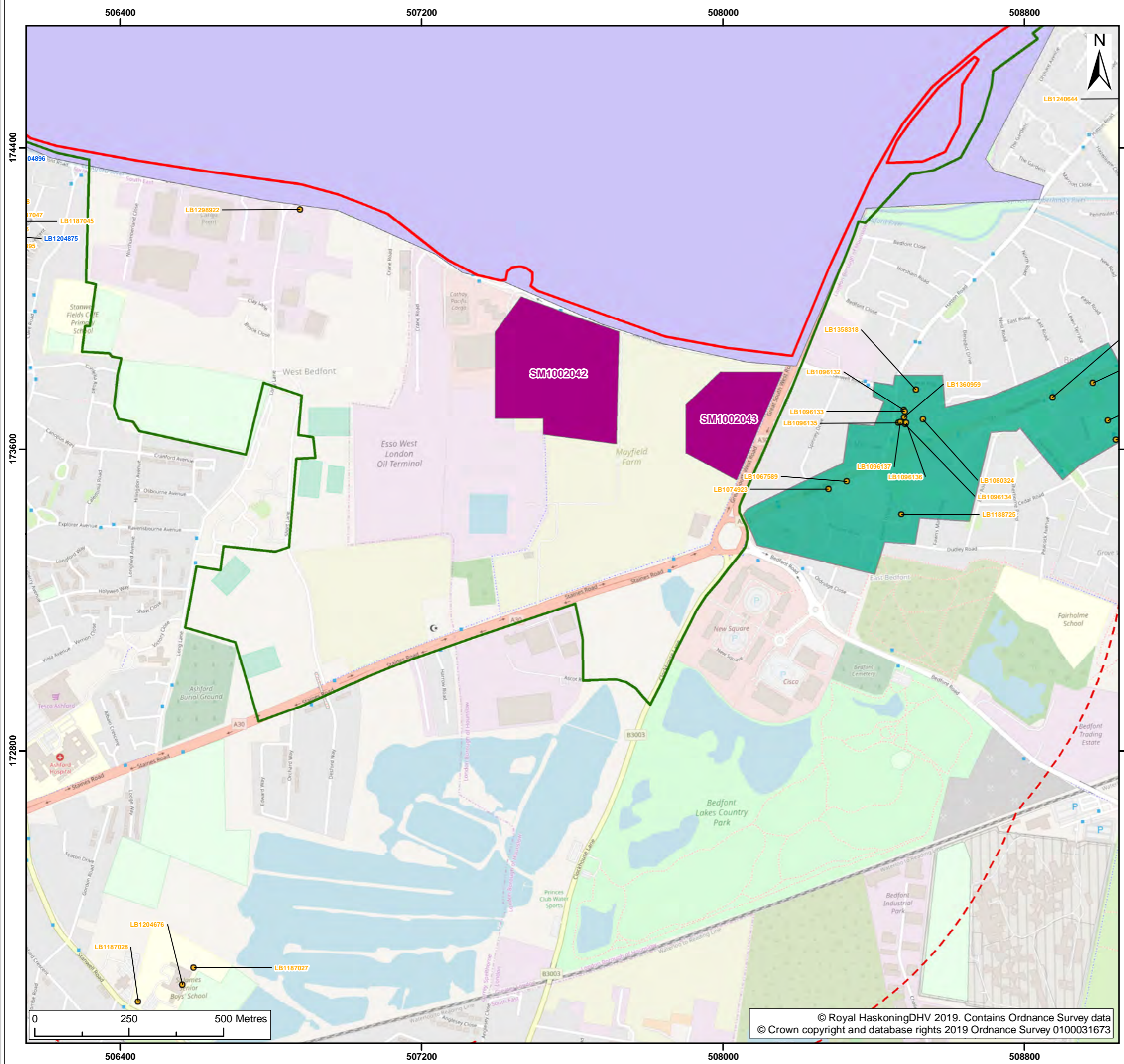
Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report



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- Legend:**
- Existing airport
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Scheduled Monuments
  - Conservation areas
  - Archaeology Priority Zones
  - Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

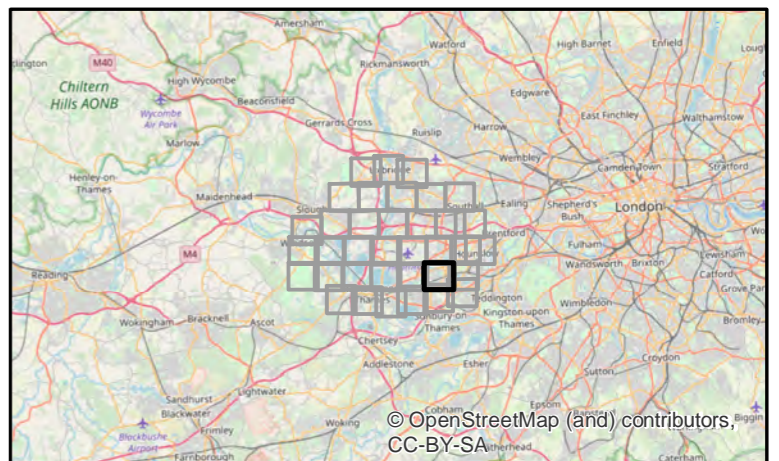
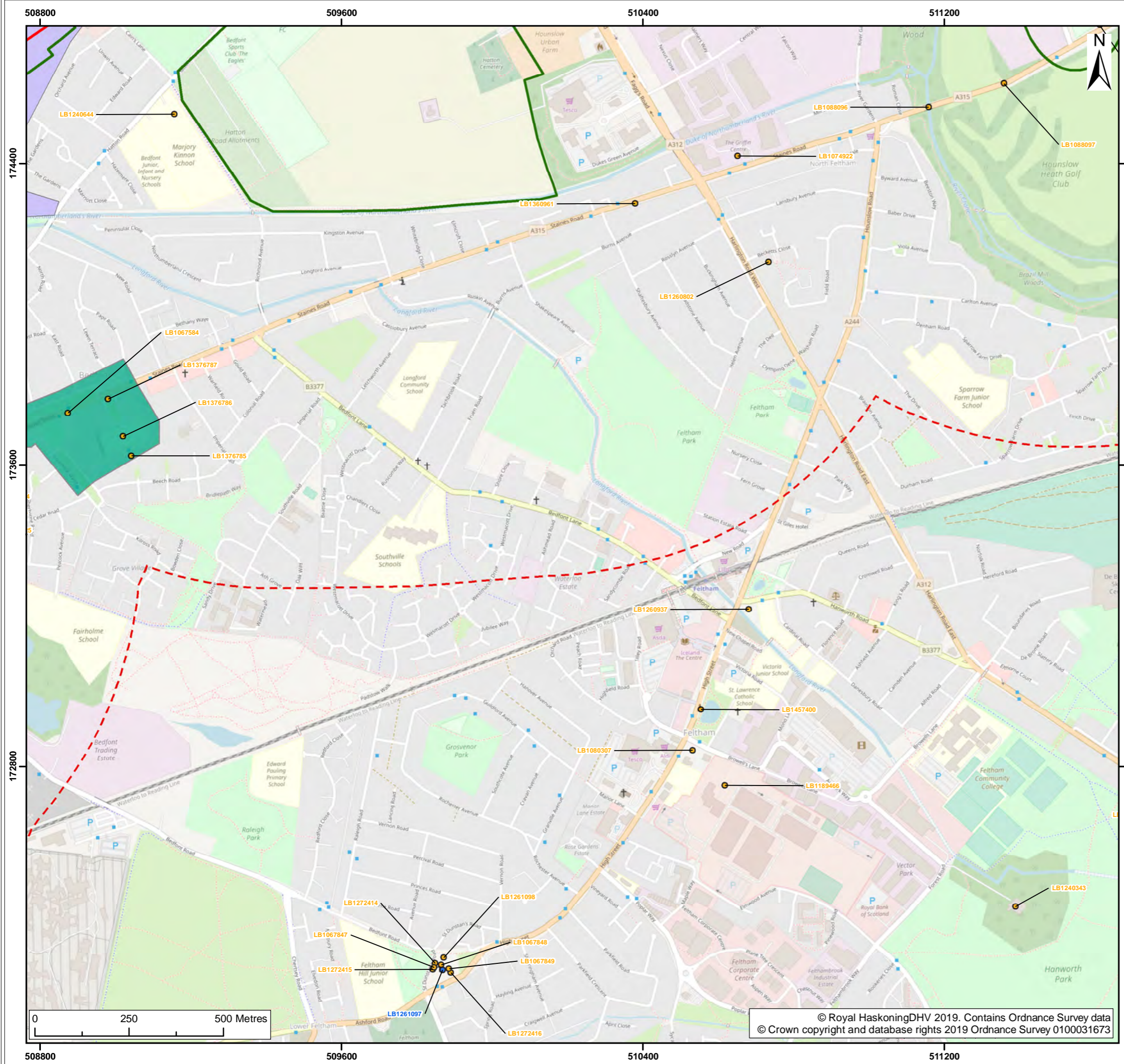
Figure:11.4ab Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

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- Legend:**
- Existing airport
  - Land being considered for associated works
  - 3km buffer of associated works
  - 1km buffer of associated works
  - Conservation areas
  - Archaeology Priority Zones
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

Figure: 11.4ac | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

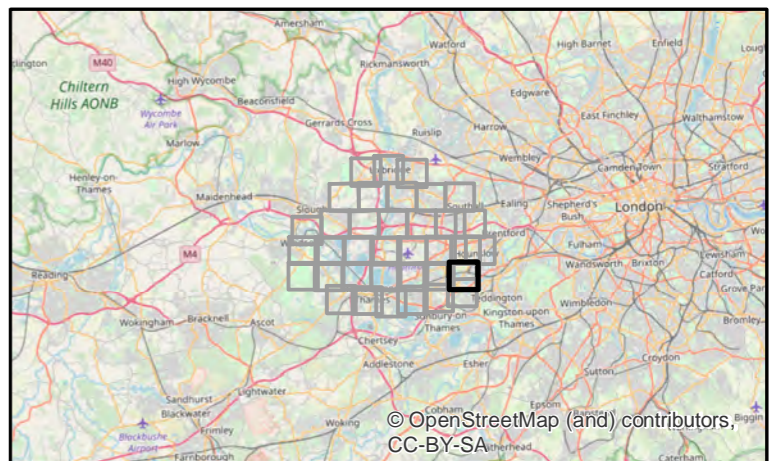
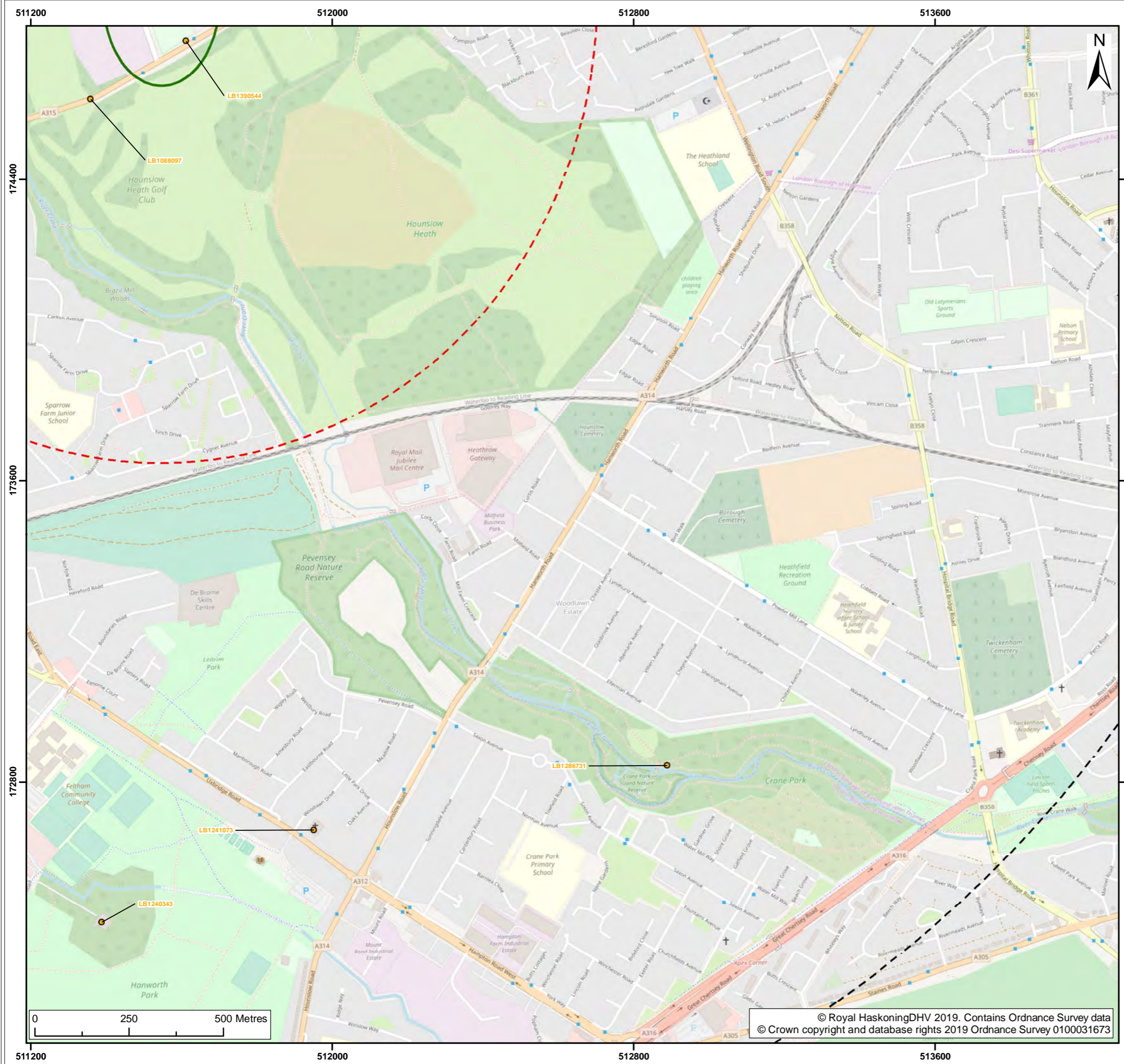
Co-ordinate system: British National Grid | Page Size: A3 | Scale: 1:10,000

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Legend:

- Land being considered for associated works
- 3km buffer of associated works
- 1km buffer of associated works
- Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

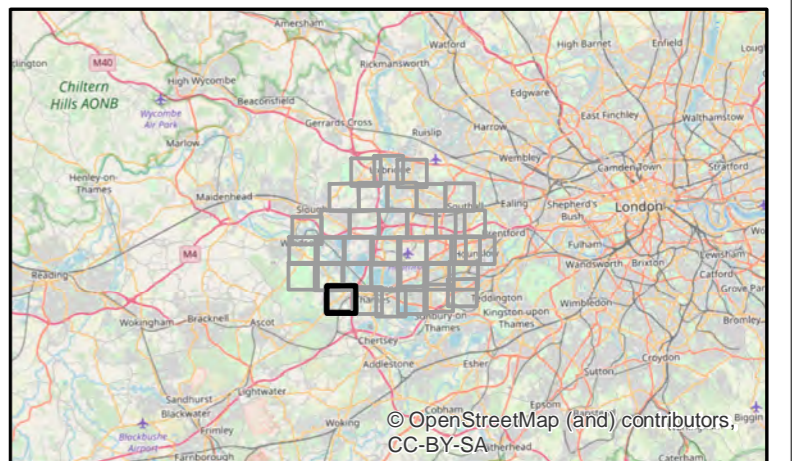
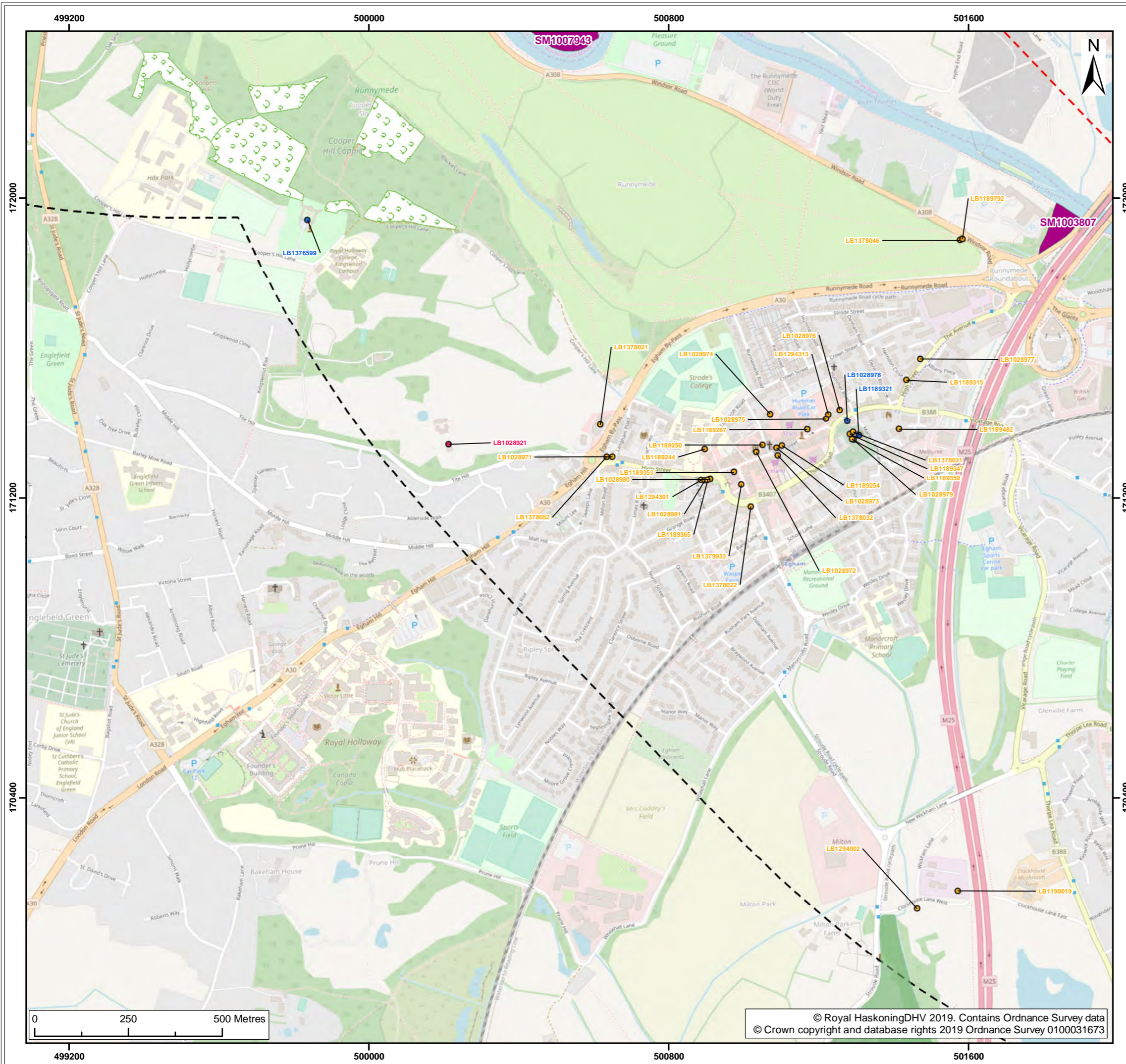
Figure:11.4ad Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

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- Legend:**
- 3km buffer of associated works
  - 1km buffer of associated works
  - Parks and Gardens
  - Ancient Woodland
  - Scheduled Monuments
  - Grade I listed building
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4ae                               | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |

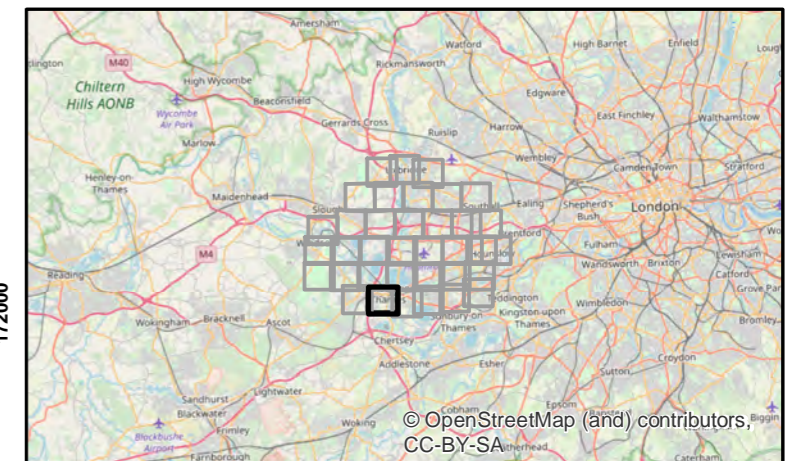
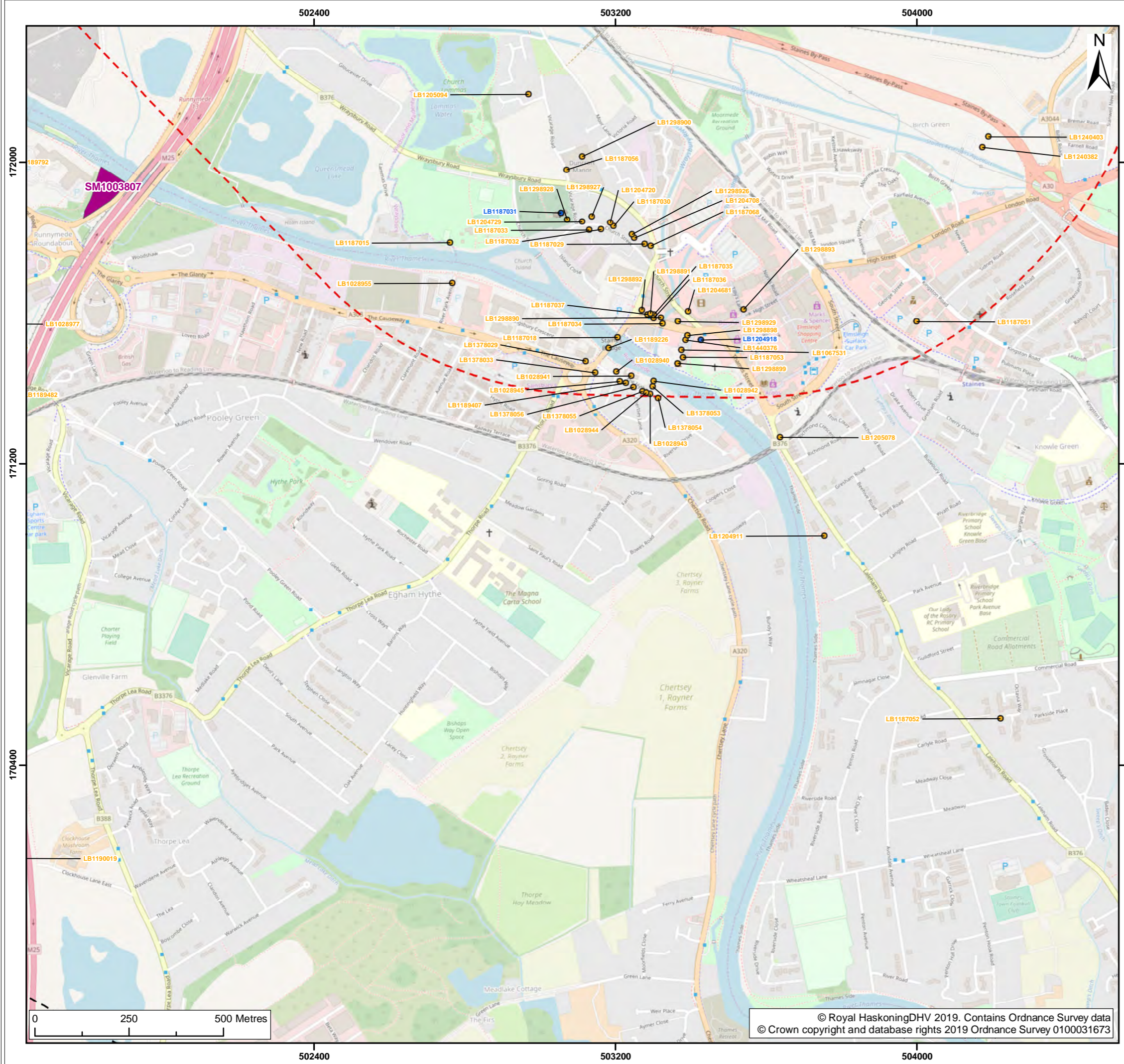


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Enhancing Society Together



Arora  
GROUP

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- Legend:
- 3km buffer of associated works
  - 1km buffer of associated works
  - Scheduled Monuments
  - Grade II listed building
  - Grade II\* listed building

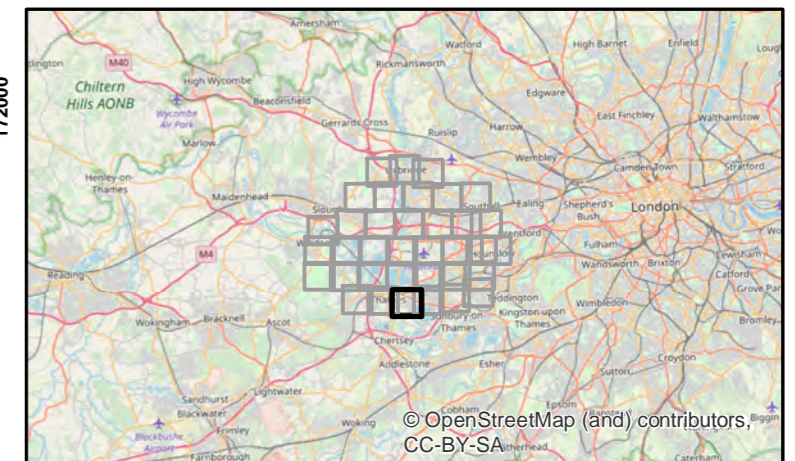
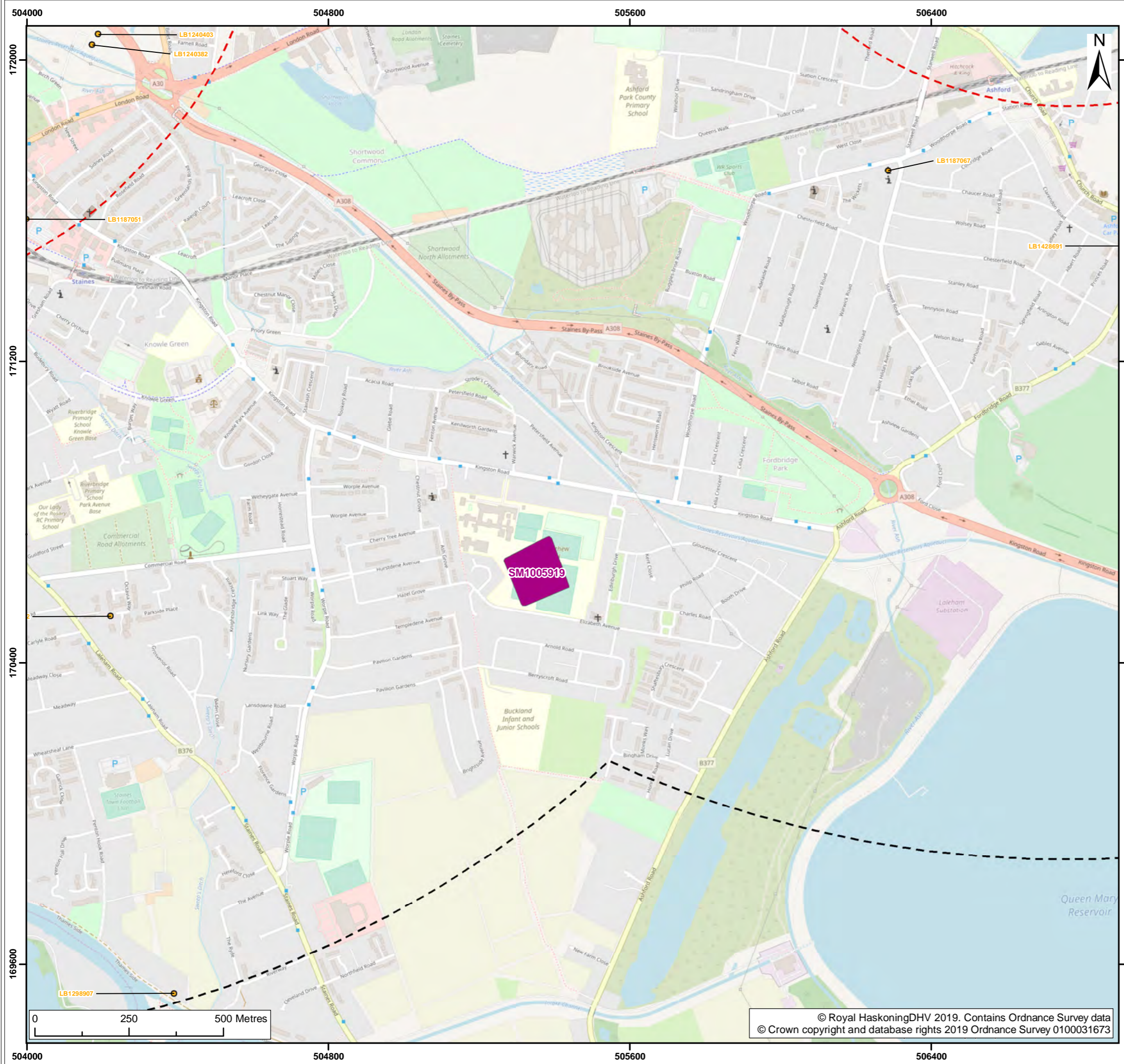
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

|  |  |                    |
|--|--|--------------------|
| Figure: 11.4af                               | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:10,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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Legend:  
 [Dashed red line] 3km buffer of associated works  
 [Dashed orange line] 1km buffer of associated works  
 [Purple polygon] Scheduled Monuments  
 [Yellow circle] Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

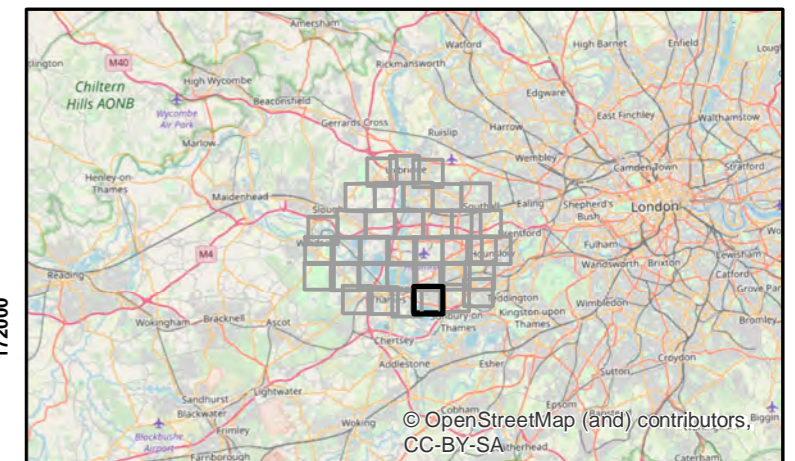
Figure:11.4ag | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid | Page Size: A3 | Scale: 1:10,000

Project: Heathrow Western Hub | Report: Scoping Report



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Legend:  
 [Red dashed line] 3km buffer of associated works  
 [Red solid line] 1km buffer of associated works  
 [Yellow dot] Grade II listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

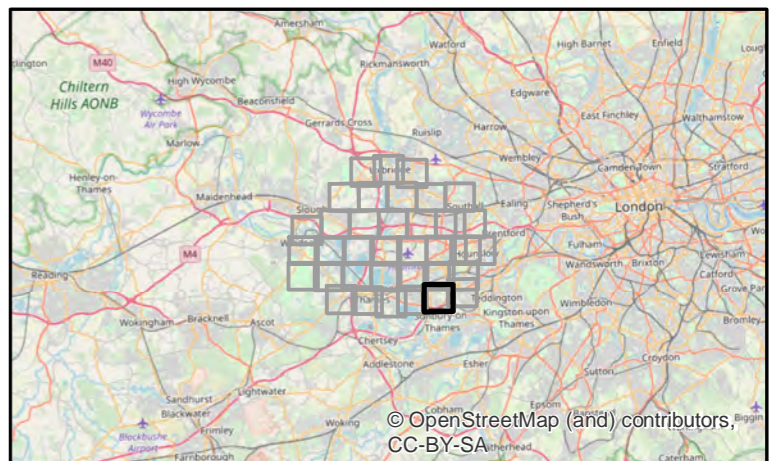
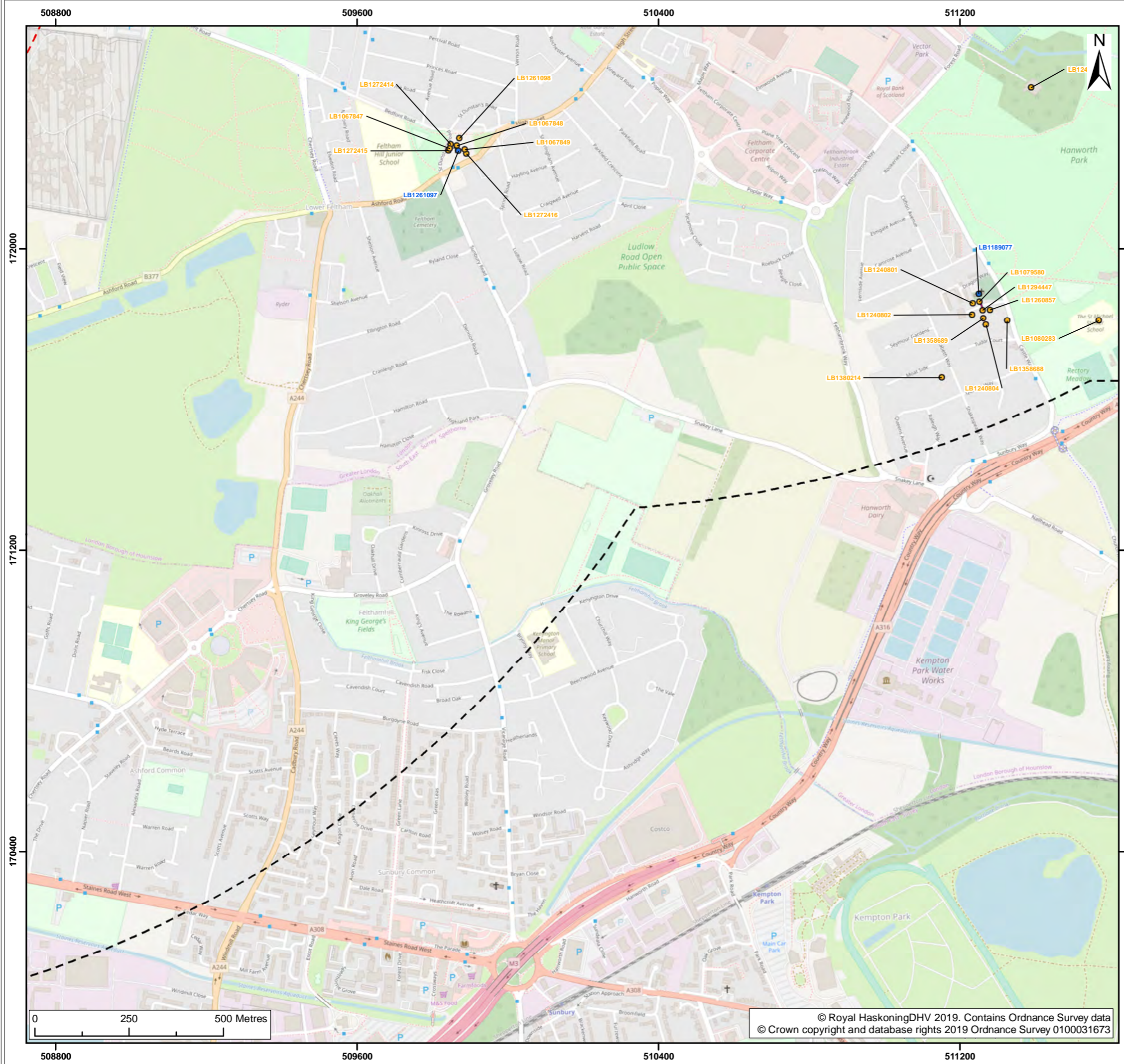
Title:  
 Designated assets within study areas (detailed)

Figure:11.4ah Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid Page Size: A3 Scale: 1:10,000

Project: Heathrow Western Hub Report: Scoping Report





- Legend:**
- 3km buffer of associated works
  - 1km buffer of associated works
  - Scheduled Monuments
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Designated assets within study areas (detailed)

Figure: 11.4ai | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

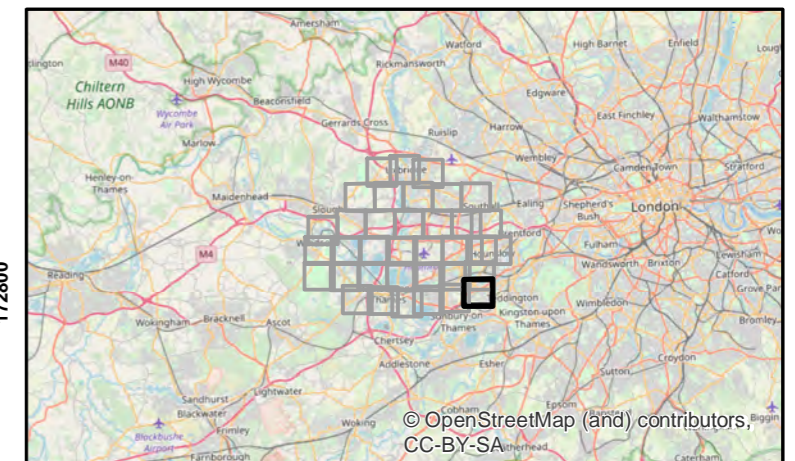
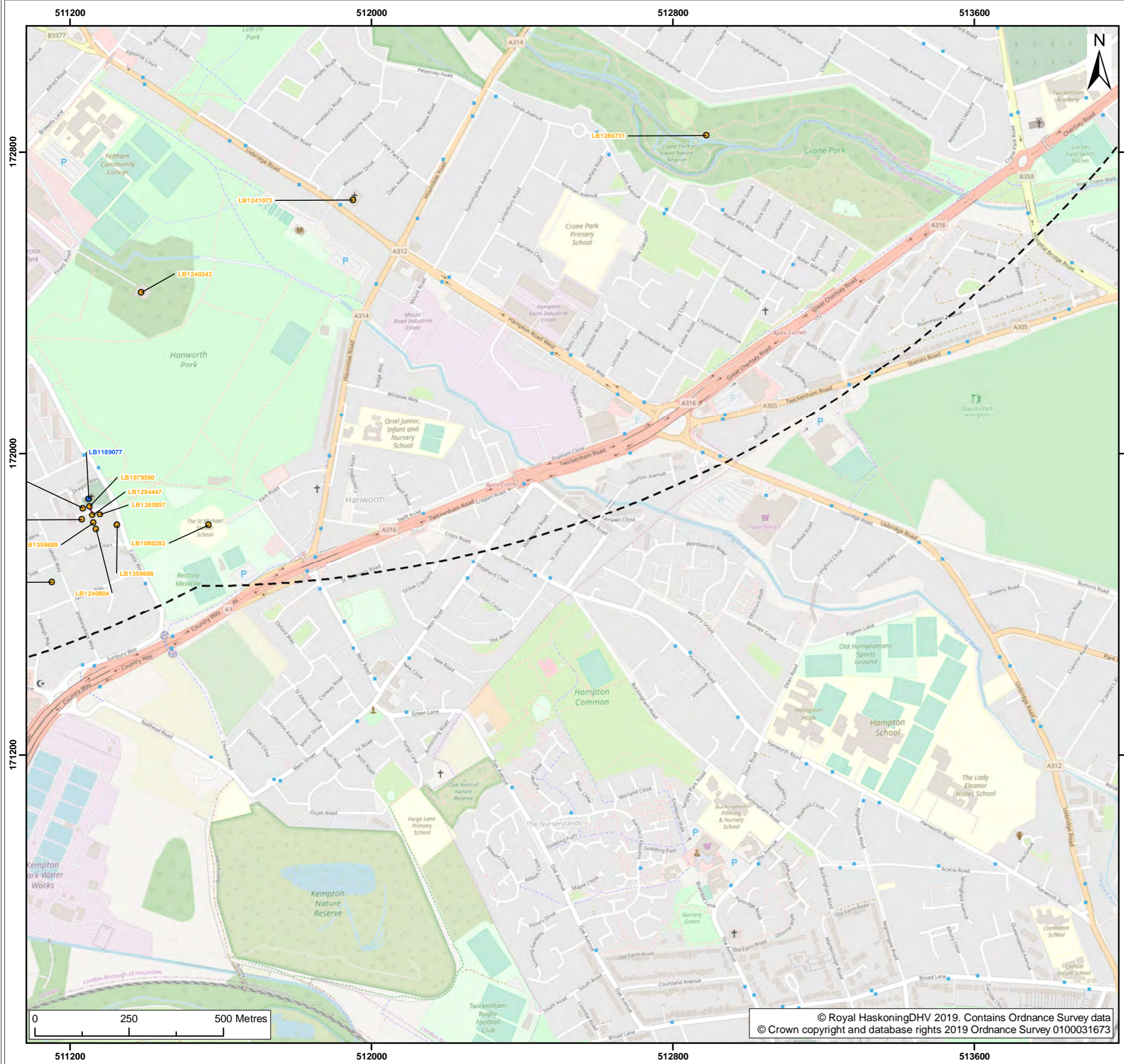
Co-ordinate system: British National Grid | Page Size: A3 | Scale: 1:10,000

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- Legend:
- 3km buffer of associated works
  - Scheduled Monuments
  - Grade II listed building
  - Grade II\* listed building

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P03 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P02 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 14/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Designated assets within study areas (detailed)

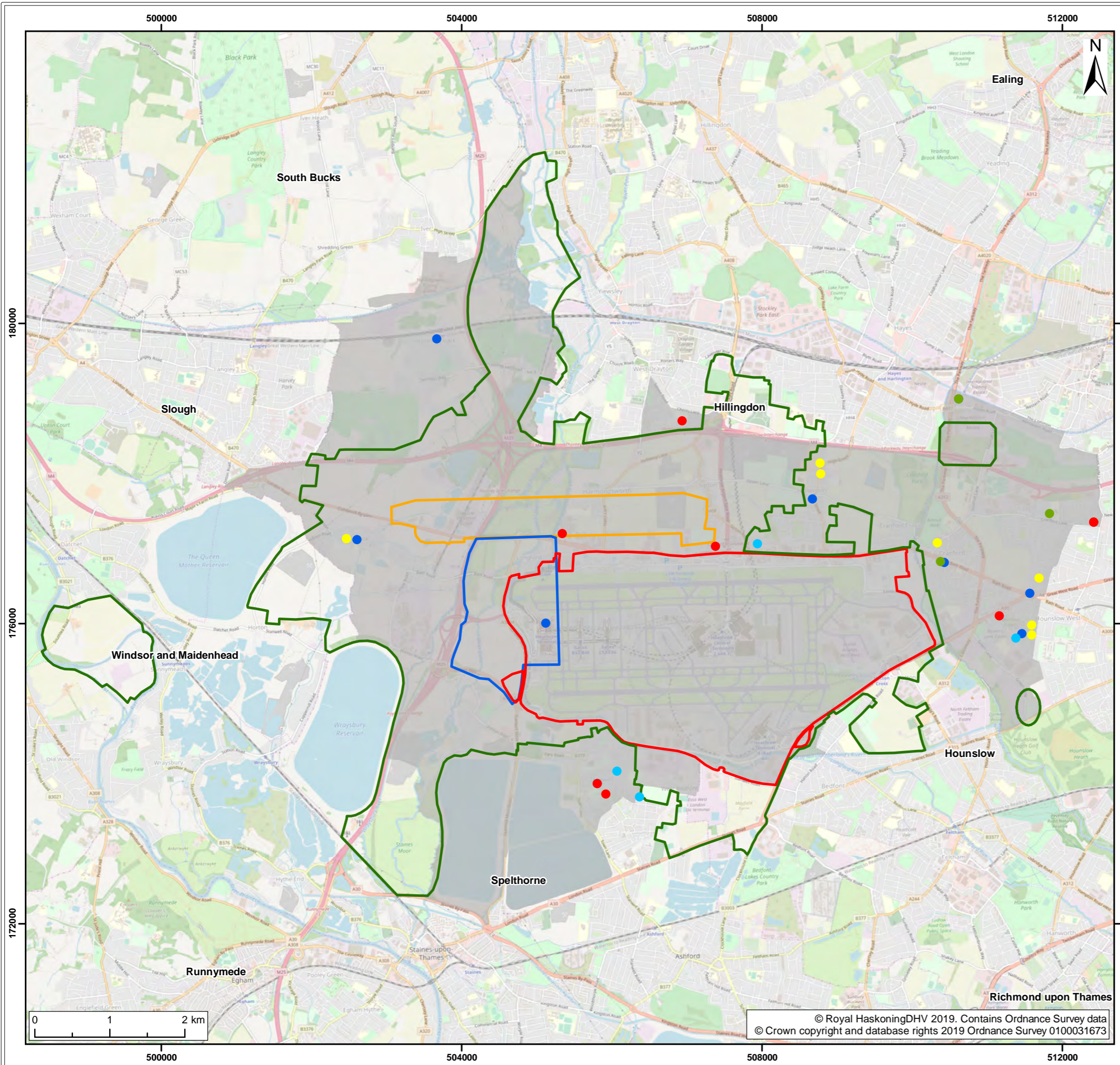
Figure: 11.4aj | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0135

Co-ordinate system: British National Grid | Page Size: A3 | Scale: 1:10,000

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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Inner Study Area
- Health Care Facilities<sup>1</sup>**
- Opticians
  - Clinics
  - Social Care
  - Pharmacy's
  - General Practices

<sup>1</sup> NHS Choices, 2016

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 03/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

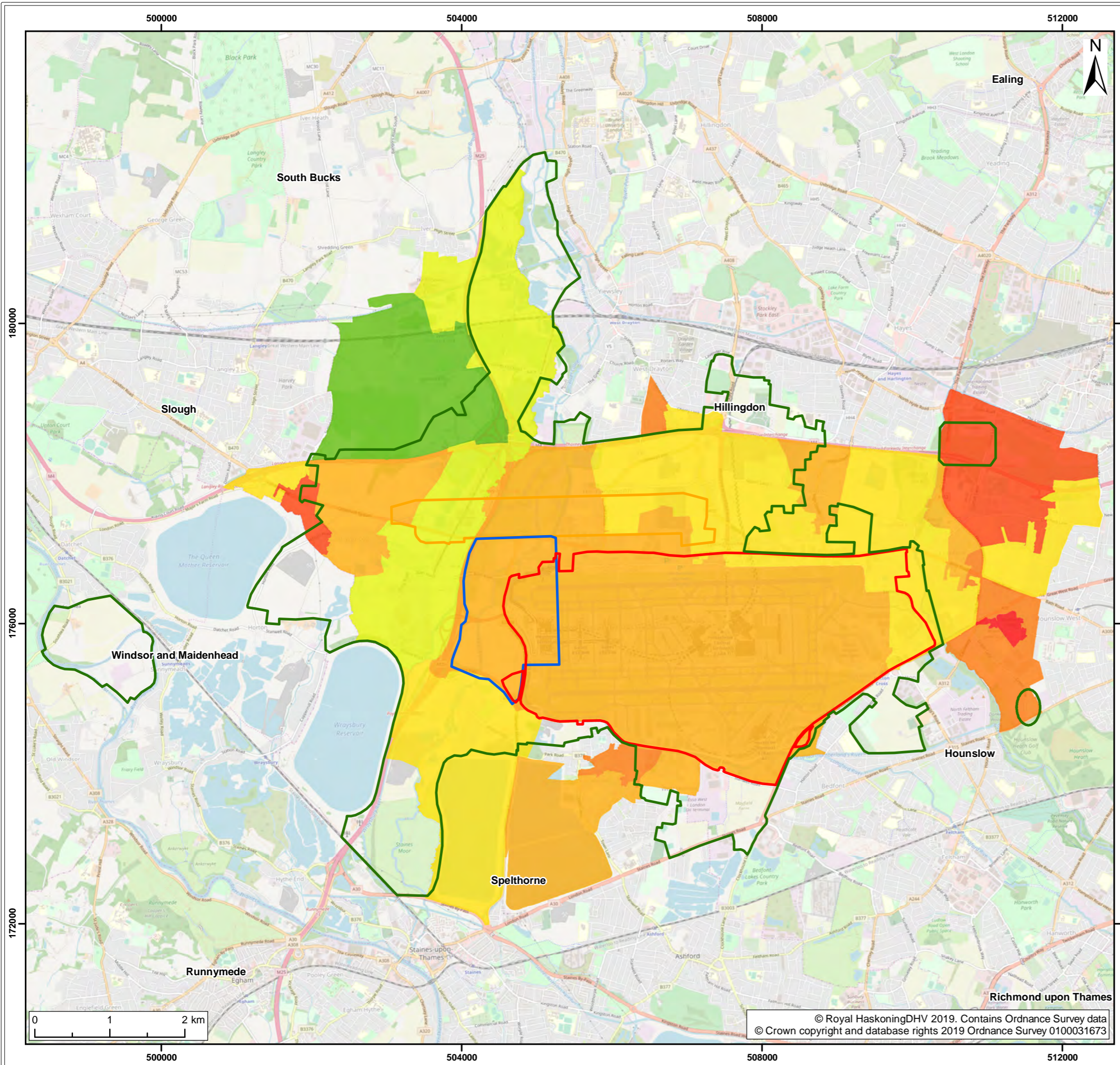
Title:  
Health care facilities within the inner study area

Figure: 12.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0070

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works

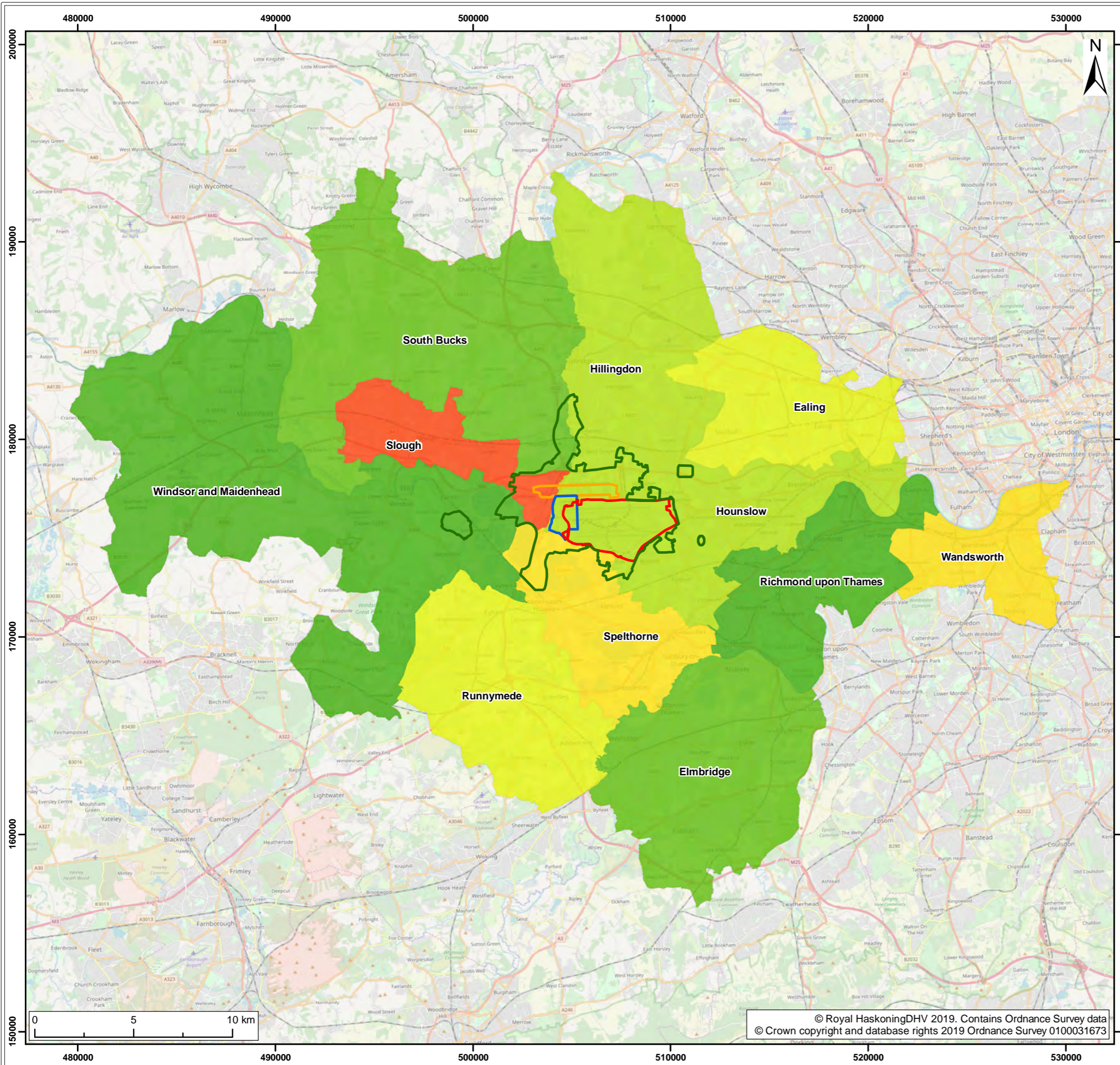
**Index of Multiple Deprivation (IMD) Decile (where 1 is most deprived 10% of LSOAs)**



| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Levels of deprivation within the inner study areas by sub areas

|  |  |                    |
|--|--|--------------------|
| Figure: 12.2                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0091 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works

**Index of Multiple Deprivation (IMD) Decile (where 1 is most deprived 10% of LSOAs)**



|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

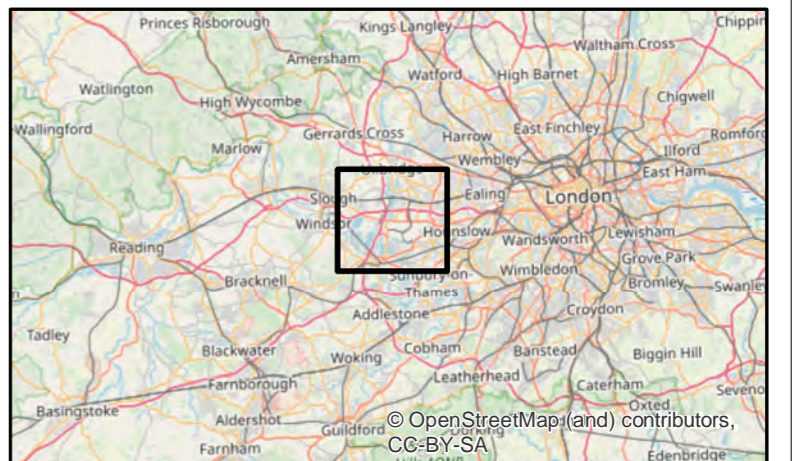
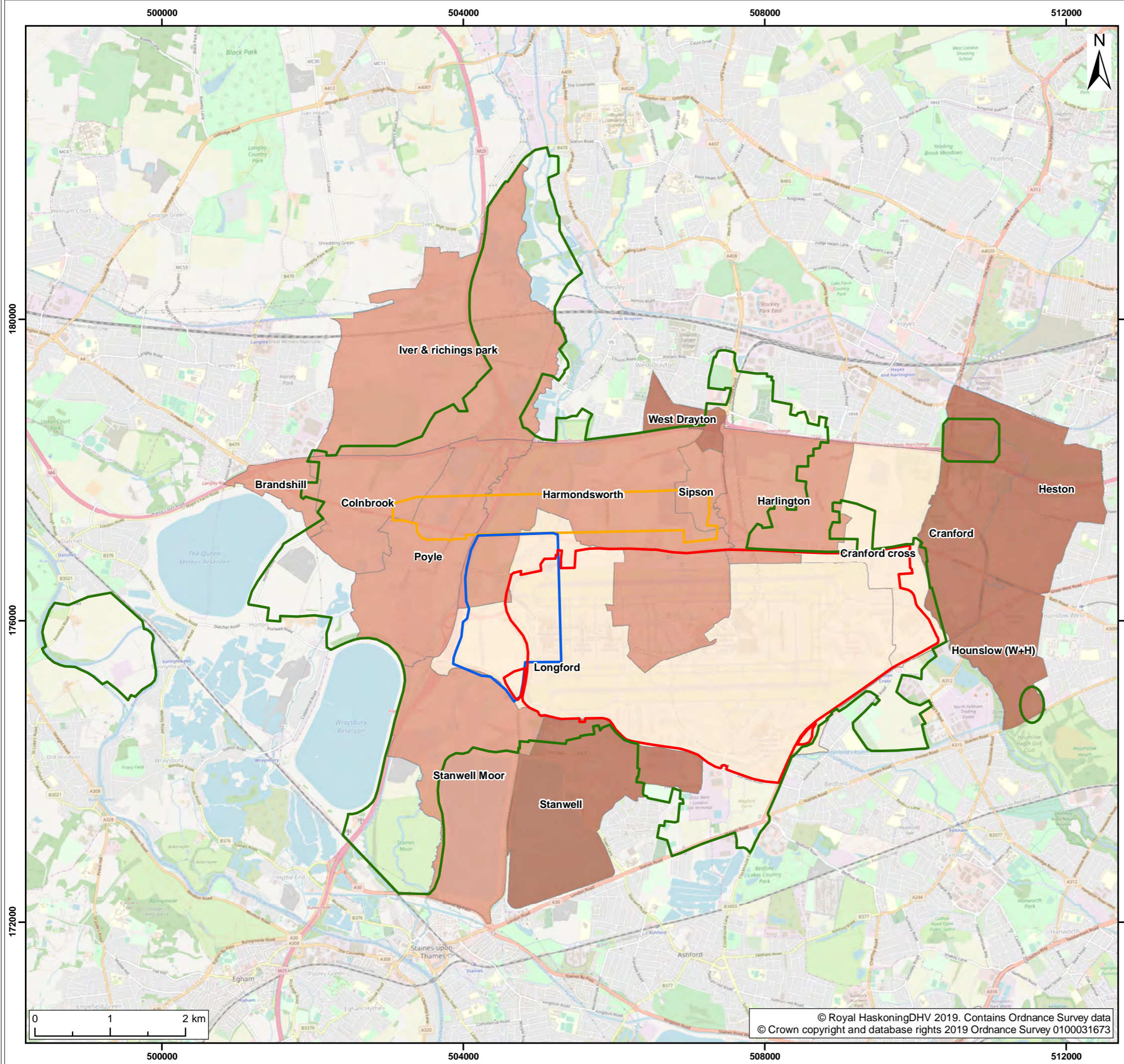
Title:  
Levels of deprivation within the wider study areas by sub areas

Figure: 12.3      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0092

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:190,000

Project: Heathrow Western Hub      Report: Scoping Report





**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Percentage of population with long term health problems\***

- <10%
- 10% - 15%
- >15%

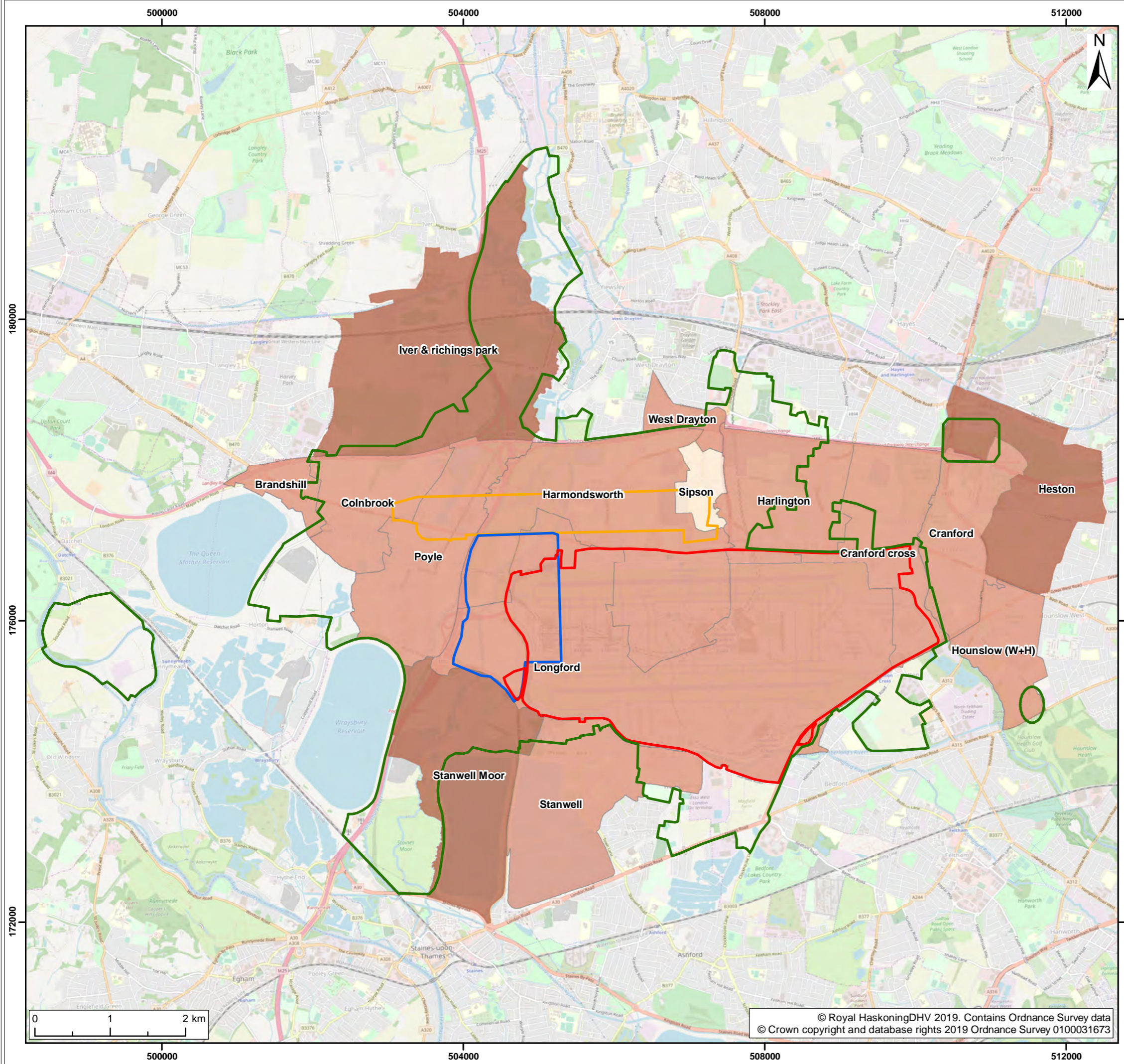
\*On average 86.7% of the population are not limited in day-to-day activities in the inner study area. The figure above shows the % of the population which are limited in day-to-day activities

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Percentage of population with long term health problems within the inner study area sub-sectioned by community areas

Figure: 12.4      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0093

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Percentage of population providing unpaid care**

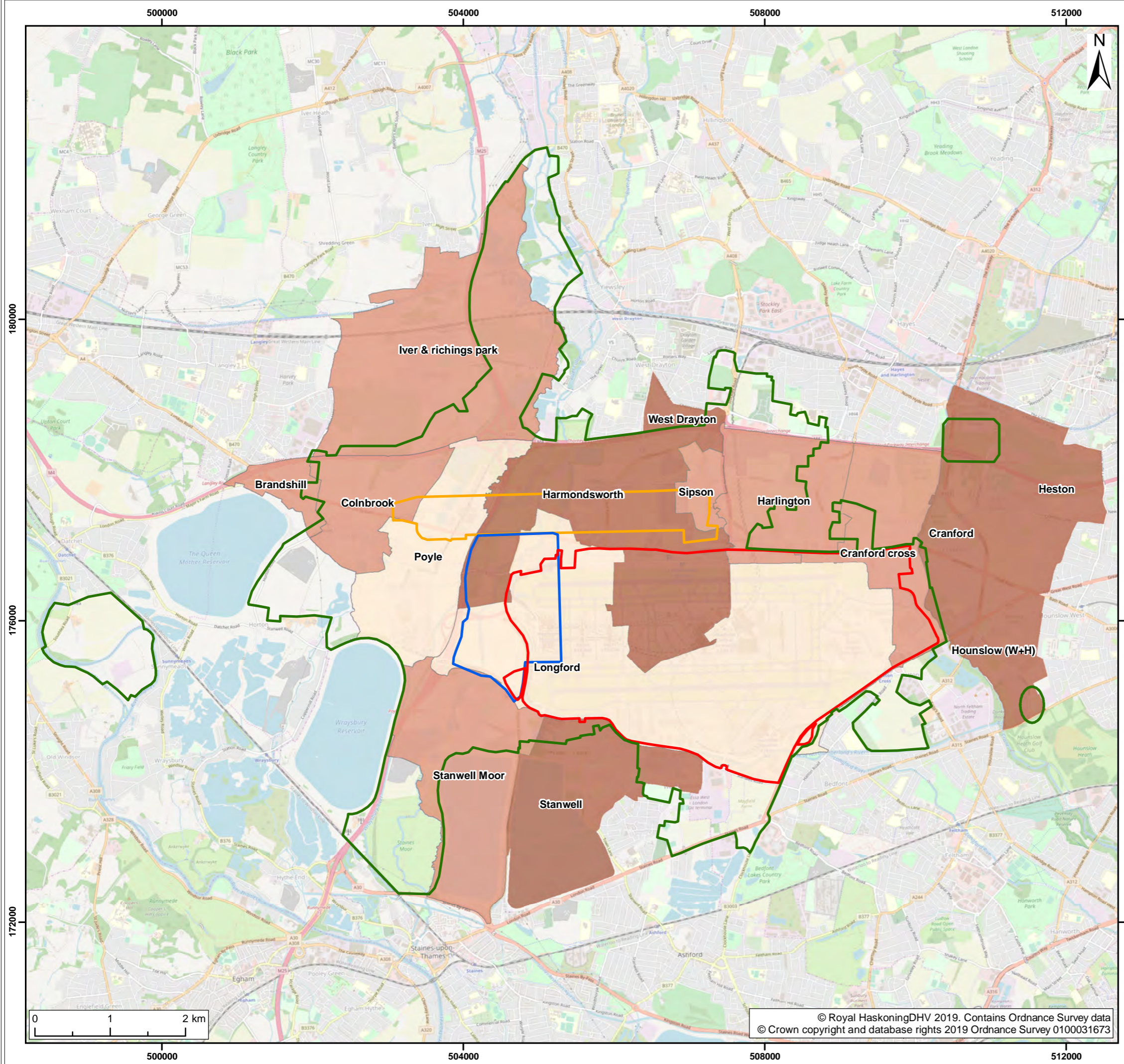
- <6%
- 6% - 10%
- >10%

\*On average 91.4% of the population provide no unpaid care in the inner study area. The figure above shows the % of the population which do provide unpaid care.

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Percentage of population providing unpaid care by area sub-sectioned by community areas

|  |  |                    |
|--|--|--------------------|
| Figure: 12.5                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0095 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Percentage of population living with one person per household who has a disability or long term health condition**

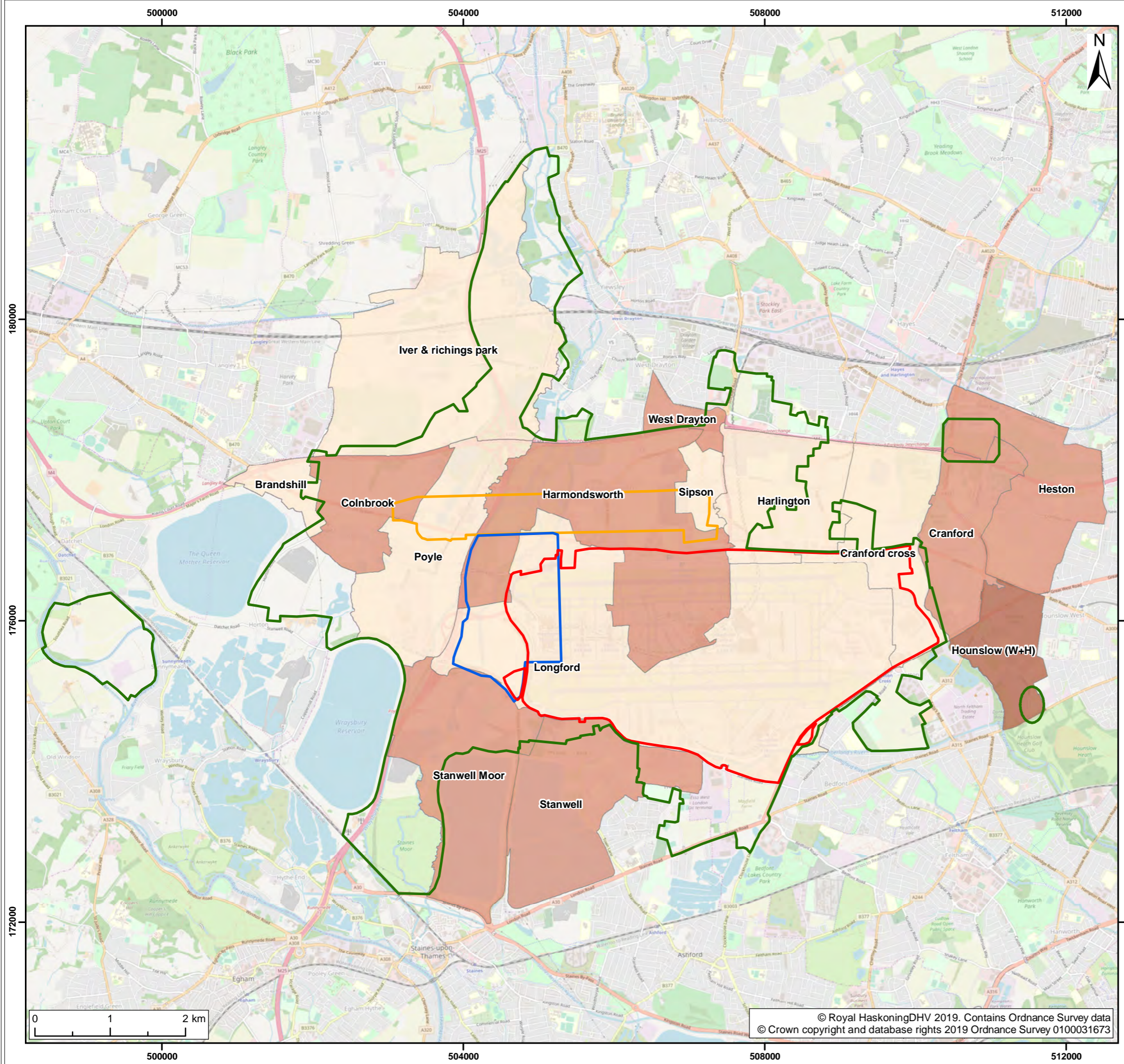
- <15%
- 15% - 20%
- >25%

\*On average 21.7% of the population in the inner study area have one person in the household with a long-term health problem or disability. The figure above shows the % of the population per community area.

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Percentage of population living with one person per household who has a disability or long term health condition within each community area

|  |  |                    |
|--|--|--------------------|
| Figure: 12.6                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0094 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



**Legend:**

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works

**Percentage of population economically inactive due to disability or a long term health condition**

- 1% - 2.5%
- 2.5% - 5%
- >5.0%

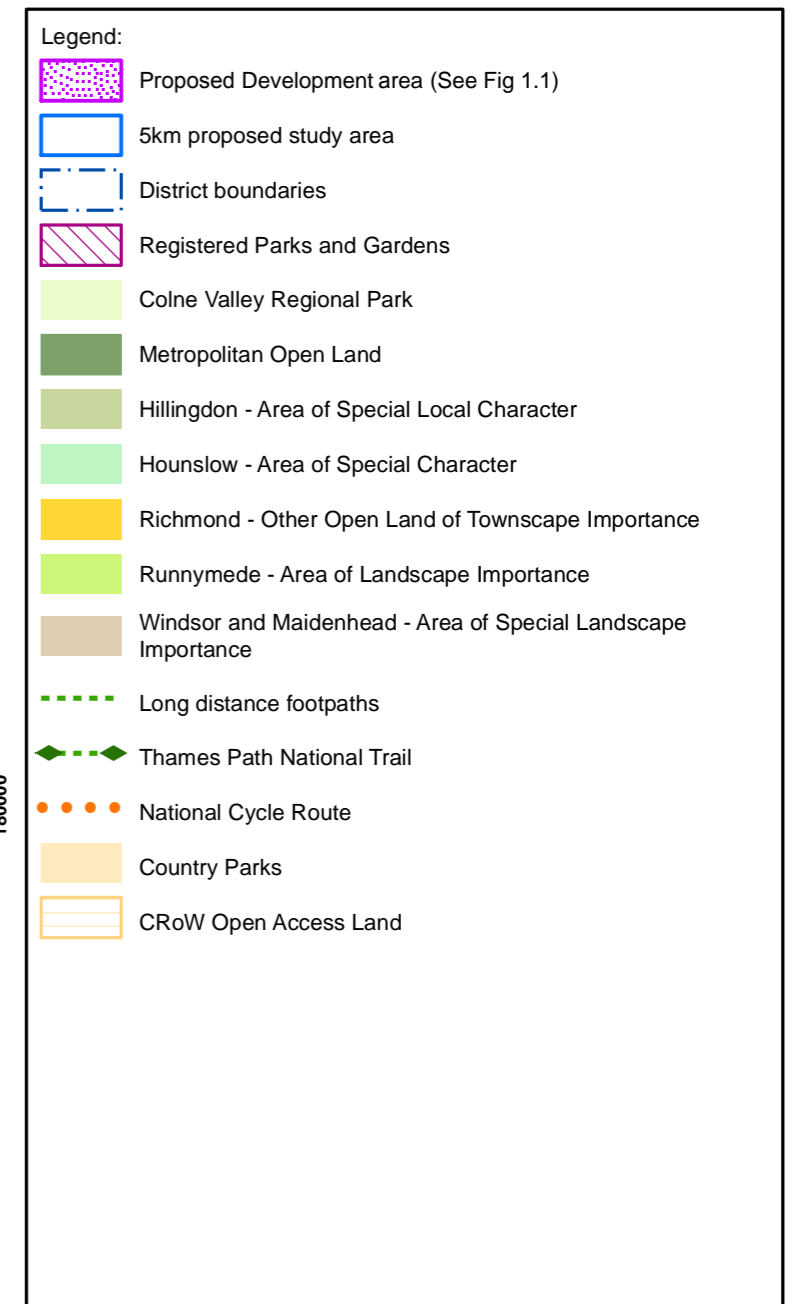
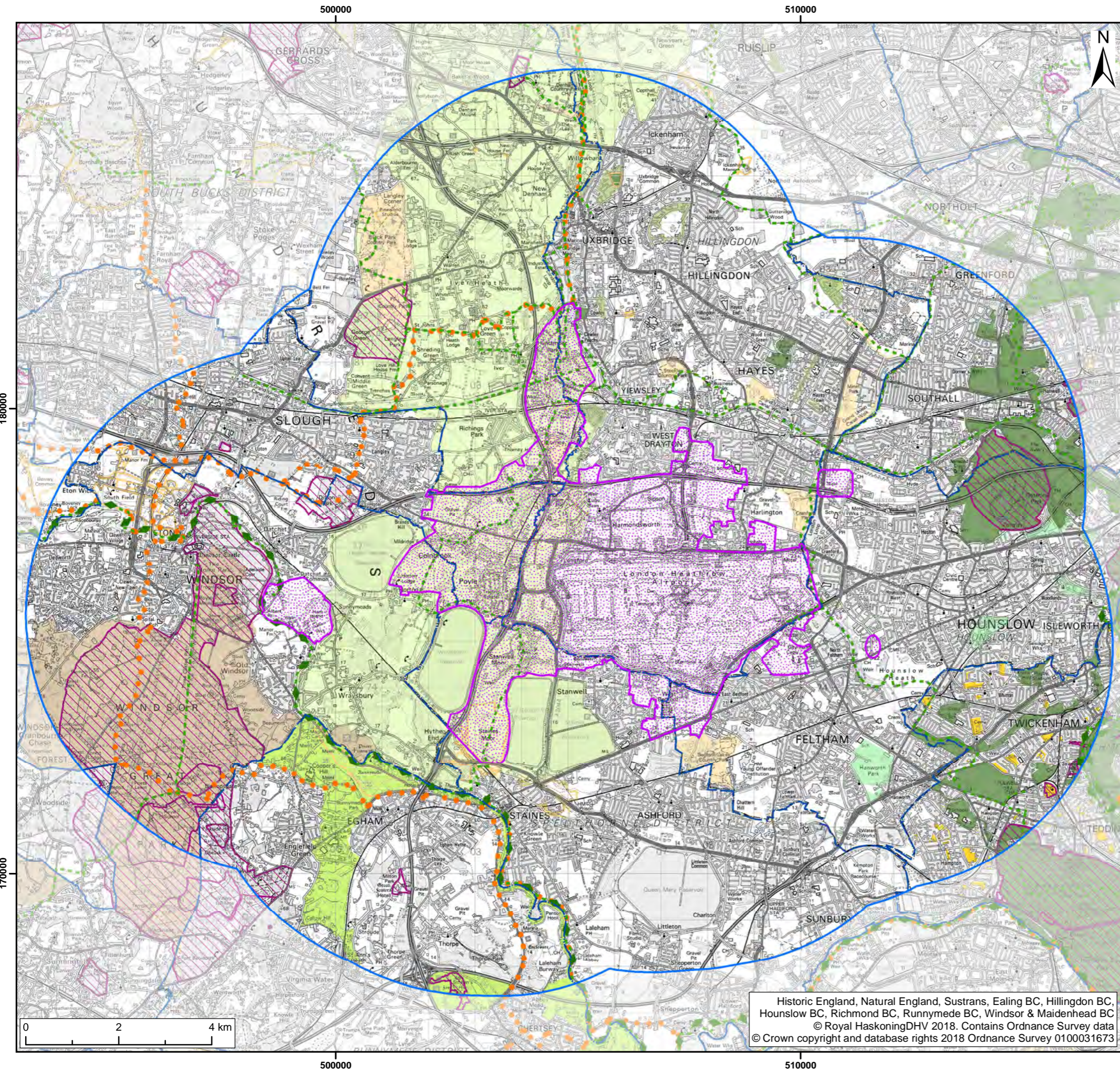
\*On average 3.2% of people are classified as 'economically inactive due to long-term sickness or disability' in the inner study area. The figure above shows the % of the population per community area.

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 06/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Percentage of population economically inactive due to disability or a long term health condition within each community area

|  |  |                    |
|--|--|--------------------|
| Figure: 12.7                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0096 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:50,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |





|     |     |            |                 |     |     |     |
|-----|-----|------------|-----------------|-----|-----|-----|
| S1  | P03 | 05/02/2019 | Updated redline | SHa | MFi | --  |
| SUI | REV | DATE       | DESCRIPTION     | DRW | CHK | APR |

Title:  
Landscape and Visual Considerations

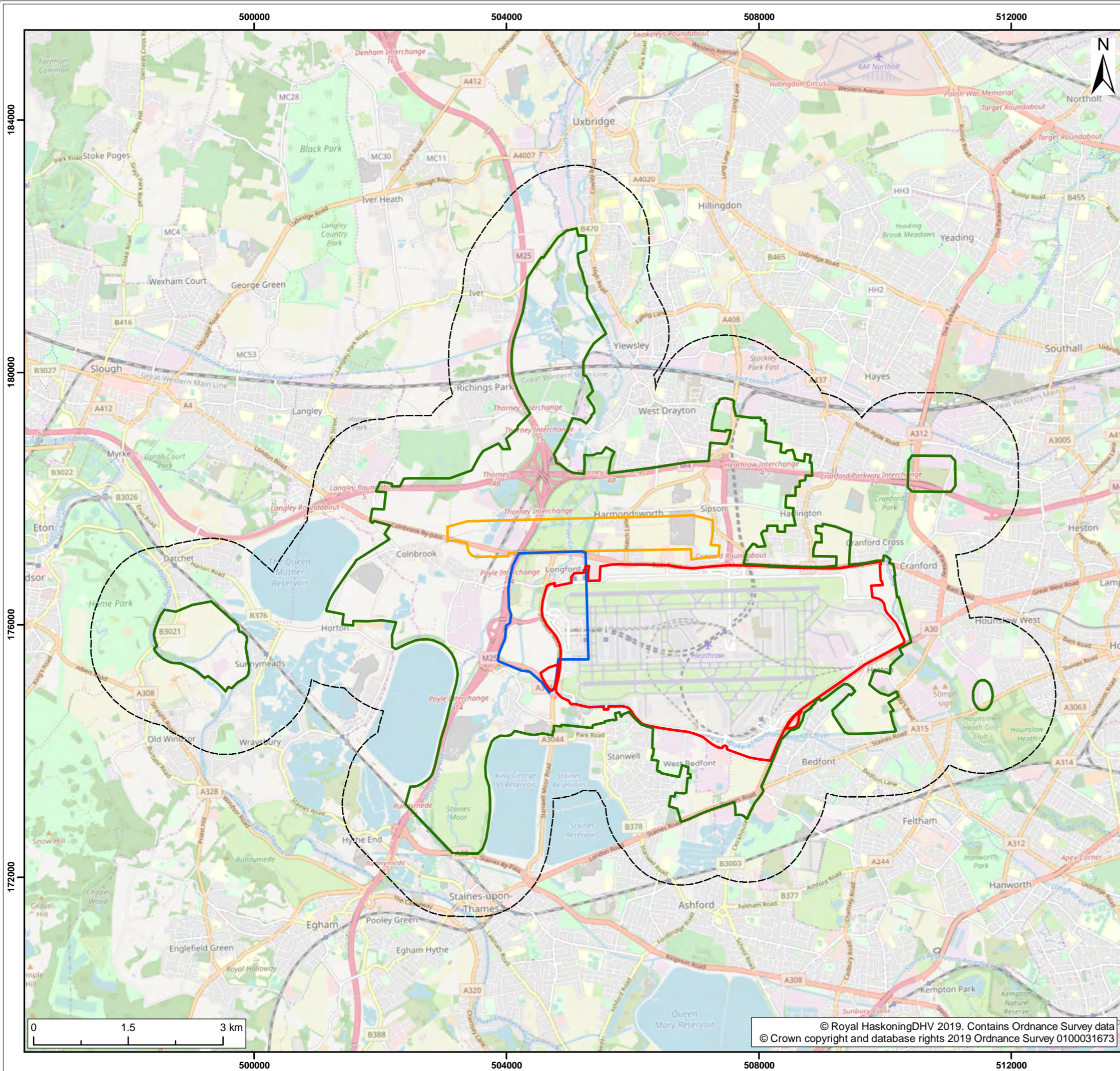
Figure: 13.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0026

|  |                  |                    |
|--|------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3 | Scale:<br>1:82,000 |
|--|------------------|--------------------|

|                                  |                           |
|----------------------------------|---------------------------|
| Project:<br>Heathrow Western Hub | Report:<br>Scoping Report |
|----------------------------------|---------------------------|

Historic England, Natural England, Sustrans, Ealing BC, Hillingdon BC, Hounslow BC, Richmond BC, Runnymede BC, Windsor & Maidenhead BC  
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- Legend:
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km land quality, agricultural land and mineral safeguarding study area

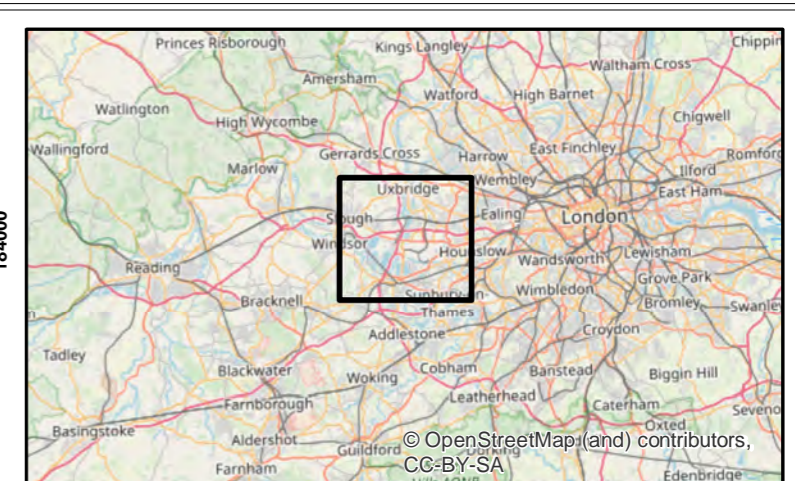
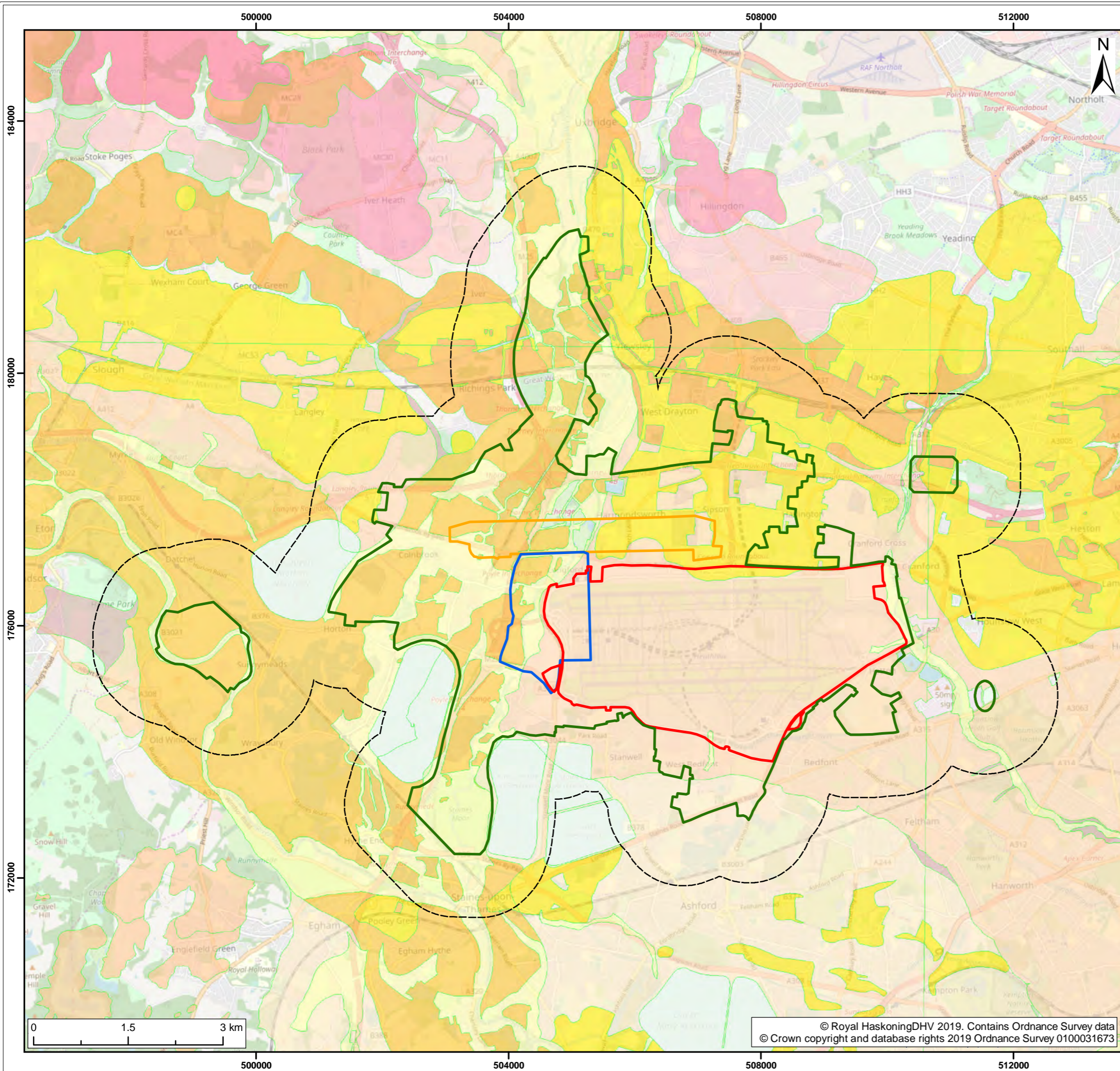
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S2  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 24/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Land quality, agricultural land and mineral safeguarding study area**

|  |  |                    |
|--|--|--------------------|
| Figure: 14.1                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0159 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works

- Superficial deposits<sup>1</sup>**
- Alluvium - Clay, Silt, Sand and Gravel
  - Kempton Park Gravel Member - Sand and Gravel
  - Langley Silt Member - Clay and Silt
  - Shepperton Gravel Member - Sand and Gravel
  - Lynch Hill Gravel Member - Sand and Gravel
  - Taplow Gravel Member - Sand and Gravel
  - Boyn Hill Gravel Member - Sand and Gravel
  - Black Park Gravel Member - Sand and Gravel
  - Winter Hill Gravel (Lacustrine deposits) - Sand and Gravel
  - Winter Hill Gravel - Sand and Gravel
  - Head - Clay, Silt, Sand and Gravel
  - River Terrace Deposits, 7 - Sand and Gravel

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Superficial geology**

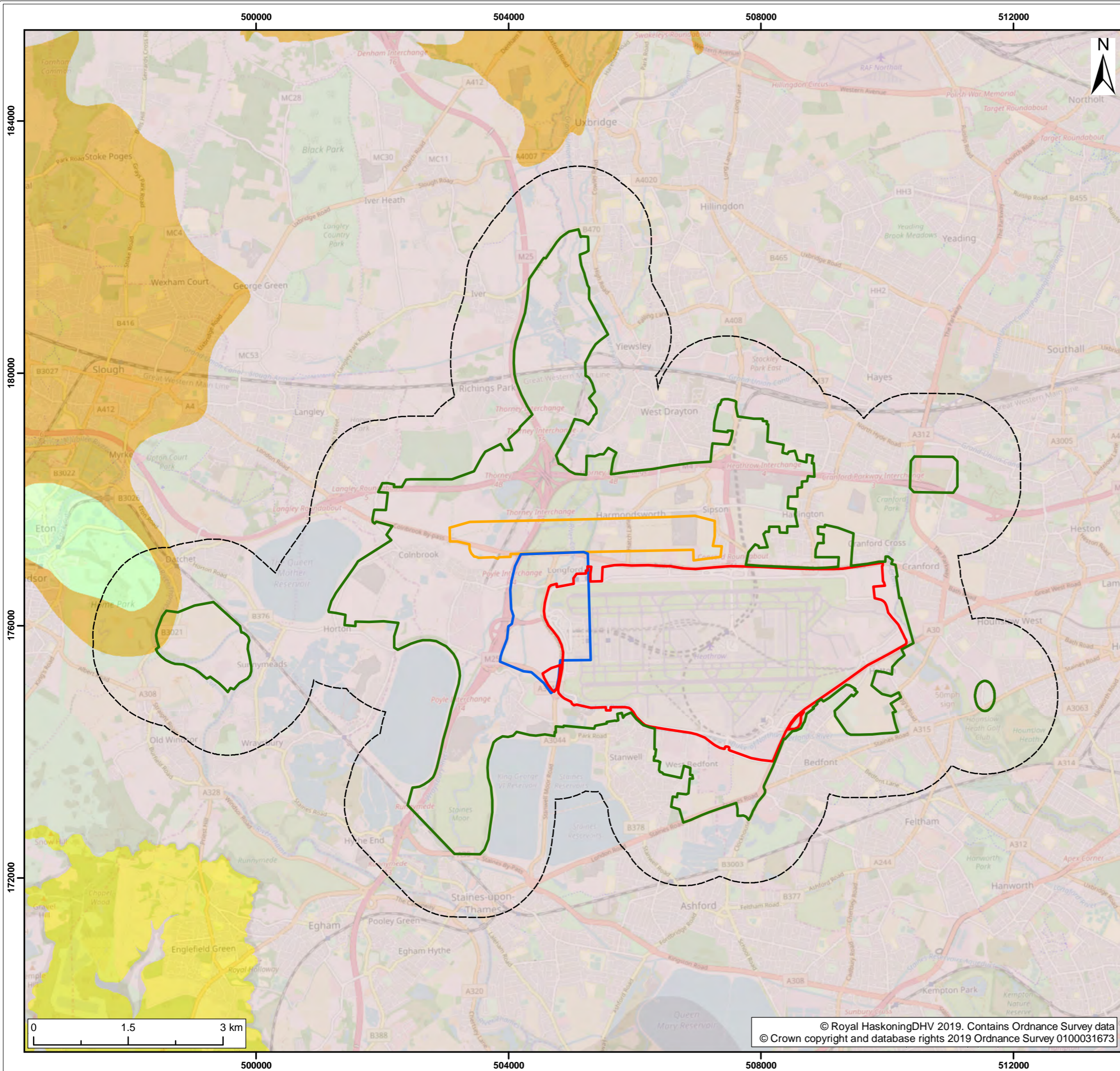
Figure: 14.2      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0160

|  |                  |                    |
|--|------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3 | Scale:<br>1:60,000 |
|--|------------------|--------------------|

|   |                                  |
|---|----------------------------------|
| Project:<br><b>Heathrow Western Hub</b> | Report:<br><b>Scoping Report</b> |
|---|----------------------------------|



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
- Bedrock<sup>1</sup>**
- London Clay Formation - Clay, Silt and Sand
  - Lambeth Group - Clay, Silt and Sand
  - Bagshot Formation - Sand
  - Claygate Member - Sand, Silt and Clay
  - Seaford Chalk Formation and Newhaven Chalk Formation (Undifferentiated) - Chalk

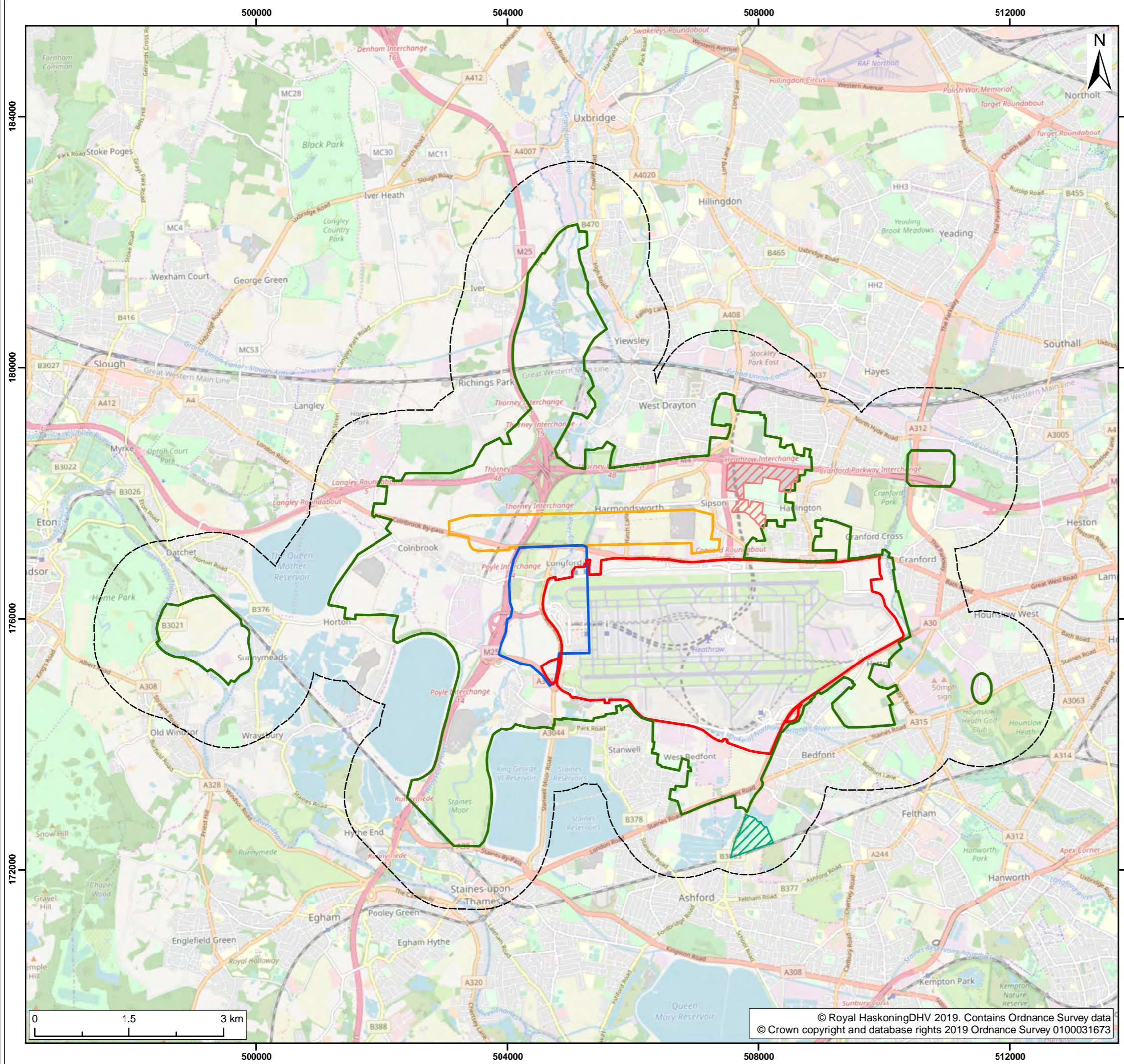
<sup>1</sup> BGS, 2019

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Solid geology**

|  |  |                    |
|--|--|--------------------|
| Figure: 14.3                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0161 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |





- Legend:
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
  - Potential Locally Important Geological Sites (LIGS)
  - Proposed Regionally Important Geological Sites (RIGS)

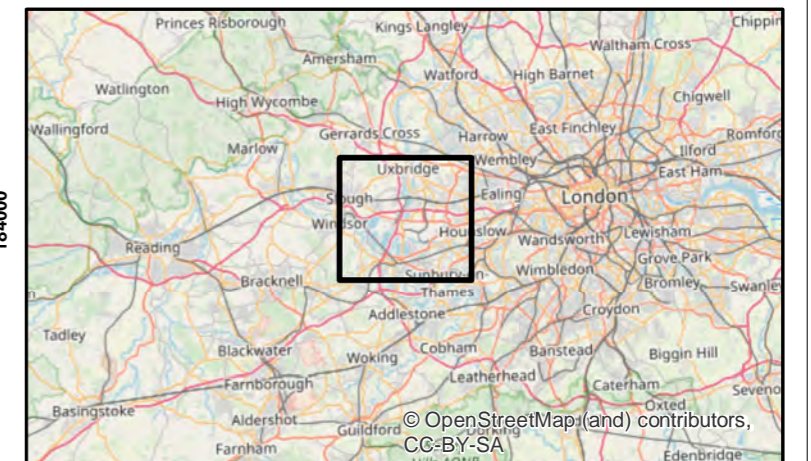
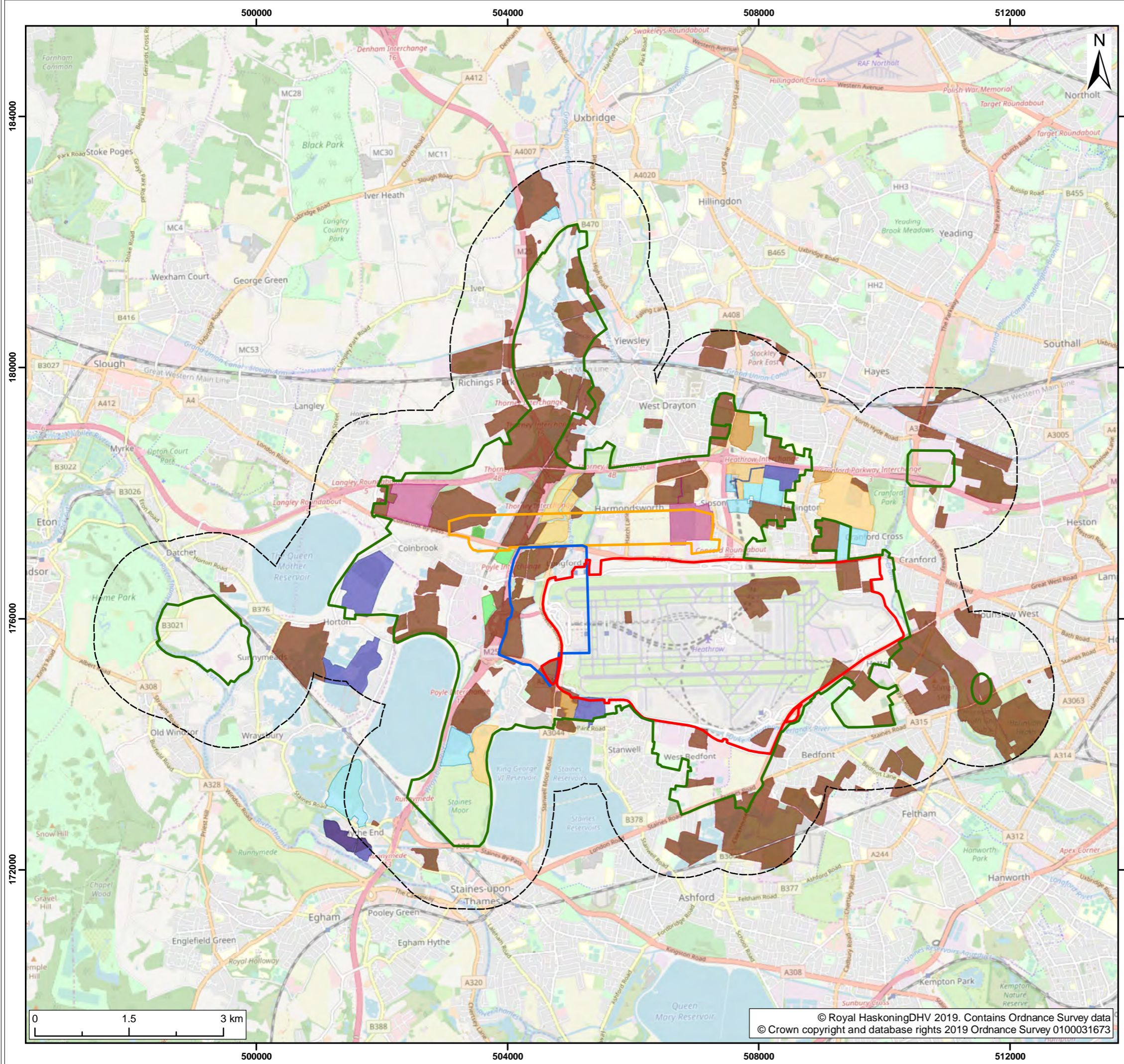
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Geological receptors - RIGS**

|  |  |                    |
|--|--|--------------------|
| Figure: 14.4                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0162 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
  - Historic landfill<sup>1</sup>
- Authorised landfill<sup>1</sup>**
- 5.2 A(1) a): Waste Landfilling
  - A4 Household, Commercial & Industrial Waste Landfill
  - A5: Landfill taking Non-Biodegradable Wastes
  - A6: Landfill taking other wastes
  - L05: Inert Landfill

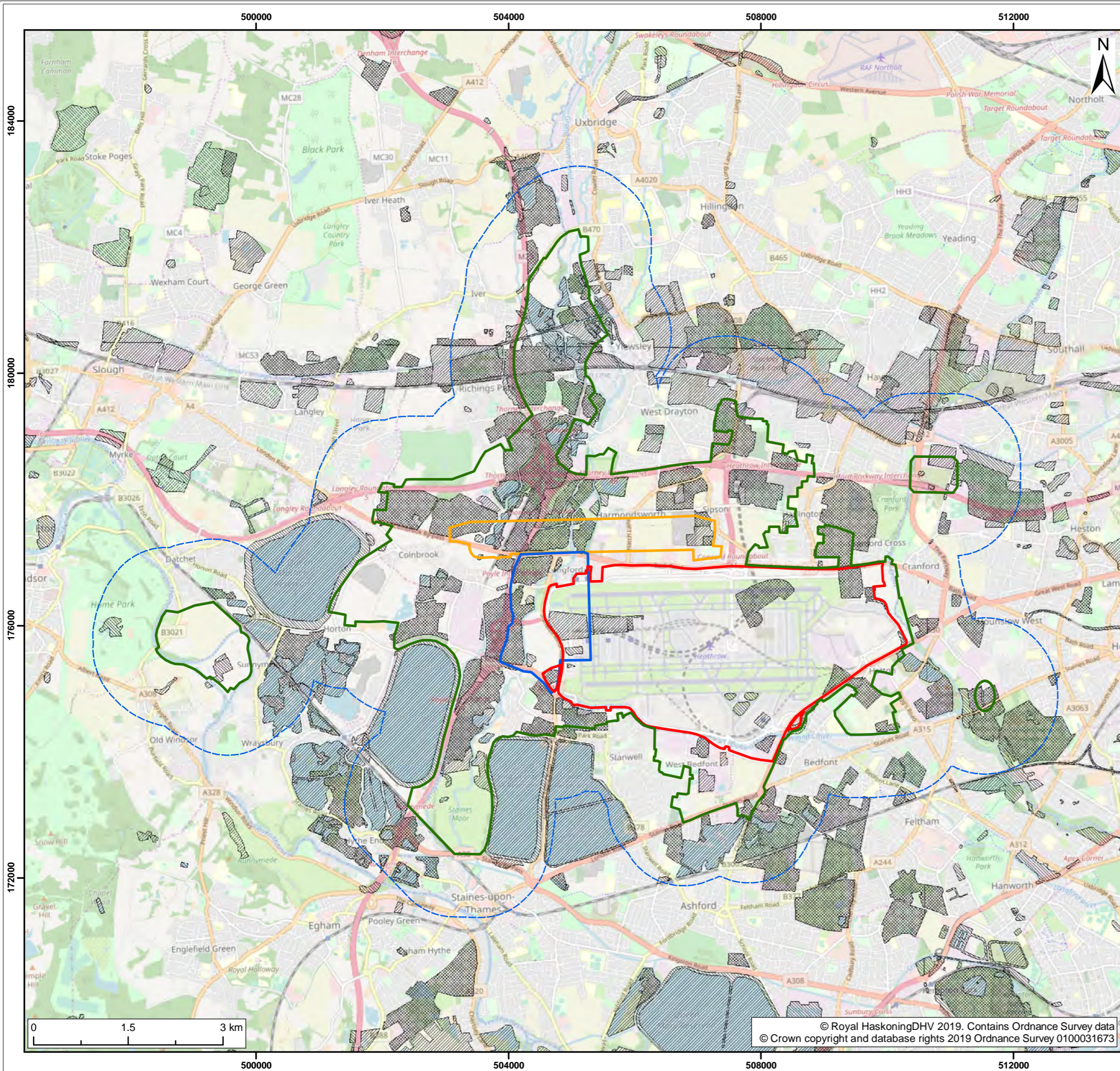
<sup>1</sup> Environment Agency, 2019

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Land quality sources - historic and authorised landfill sites

|  |  |                    |
|--|--|--------------------|
| Figure: 14.5                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0163 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works

- Artificial ground<sup>1</sup>**
- RECLAIMED GROUND - CLAY AND SILT
  - DISTURBED GROUND (UNDIVIDED) - UNKNOWN/UNCLASSIFIED ENTRY
  - LANDSCAPED GROUND (UNDIVIDED) - ARTIFICIAL DEPOSIT
  - LANDSCAPED GROUND (UNDIVIDED) - DIAMICTON
  - LANDSCAPED GROUND (UNDIVIDED) - UNKNOWN/UNCLASSIFIED ENTRY
  - LANDSCAPED GROUND (UNDIVIDED) - SAND AND GRAVEL
  - MADE GROUND (UNDIVIDED) - ARTIFICIAL DEPOSIT
  - MADE GROUND (UNDIVIDED) - FILL
  - WORKED GROUND (UNDIVIDED) - ARTIFICIAL DEPOSIT
  - WORKED GROUND (UNDIVIDED) - UNKNOWN/UNCLASSIFIED ENTRY
  - WORKED GROUND (UNDIVIDED) - VOID
  - INFILLED GROUND - ARTIFICIAL DEPOSIT
  - INFILLED GROUND - FILL
  - INFILLED GROUND - ROCK
  - INFILLED GROUND - UNKNOWN/UNCLASSIFIED ENTRY
  - INFILLED GROUND - SAND AND GRAVEL

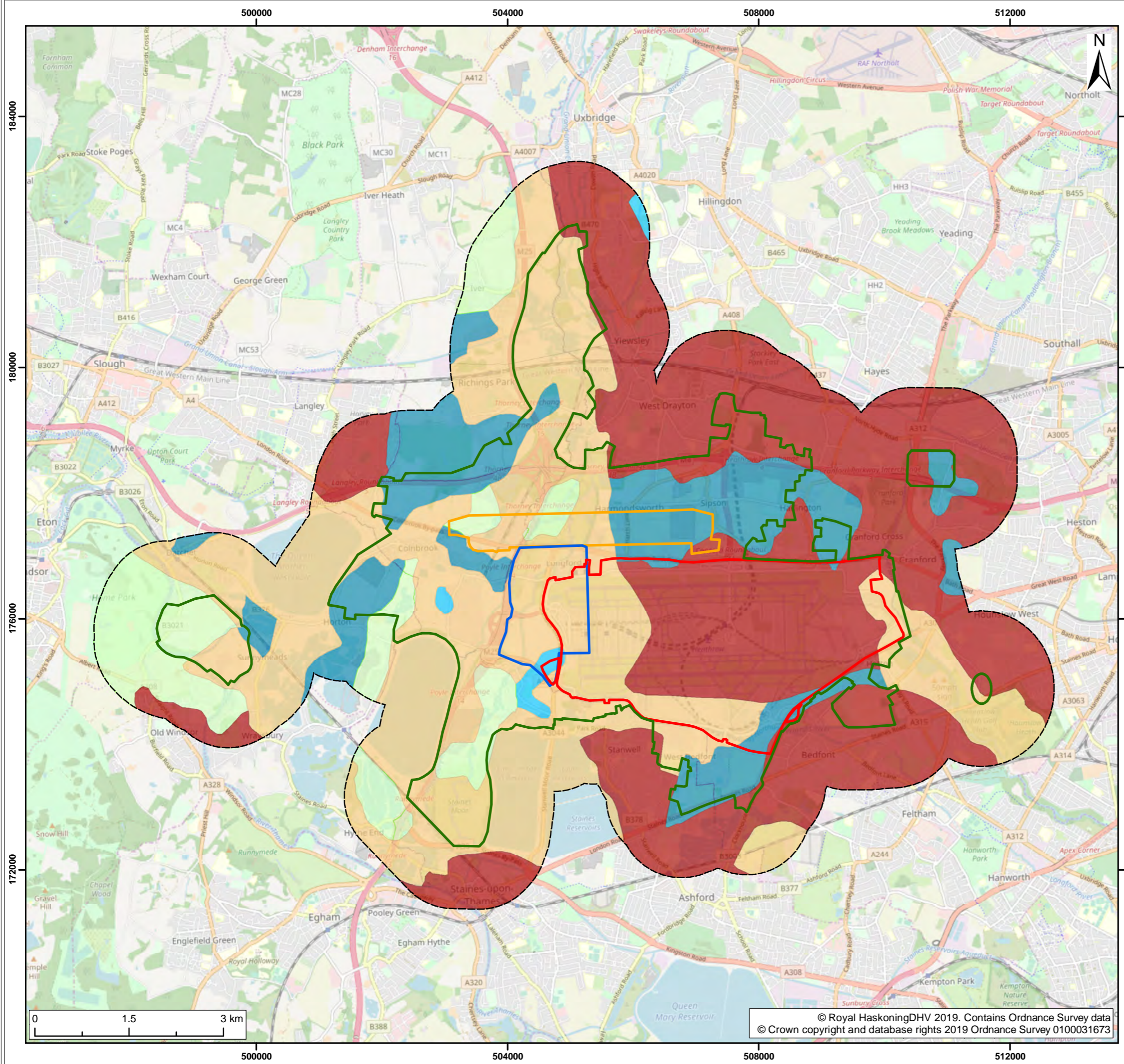
<sup>1</sup> BGS, 2019

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Land quality source - artificial ground**

|  |  |                    |
|--|--|--------------------|
| Figure: 14.6                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0164 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
- Provisional Agricultural Land Classification (ALC) Grades<sup>1</sup>**
- Grade 1
  - Grade 2
  - Grade 3
  - Non Agricultural
  - Urban

<sup>1</sup> Natural England, 2019

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Strategic agricultural land classification**

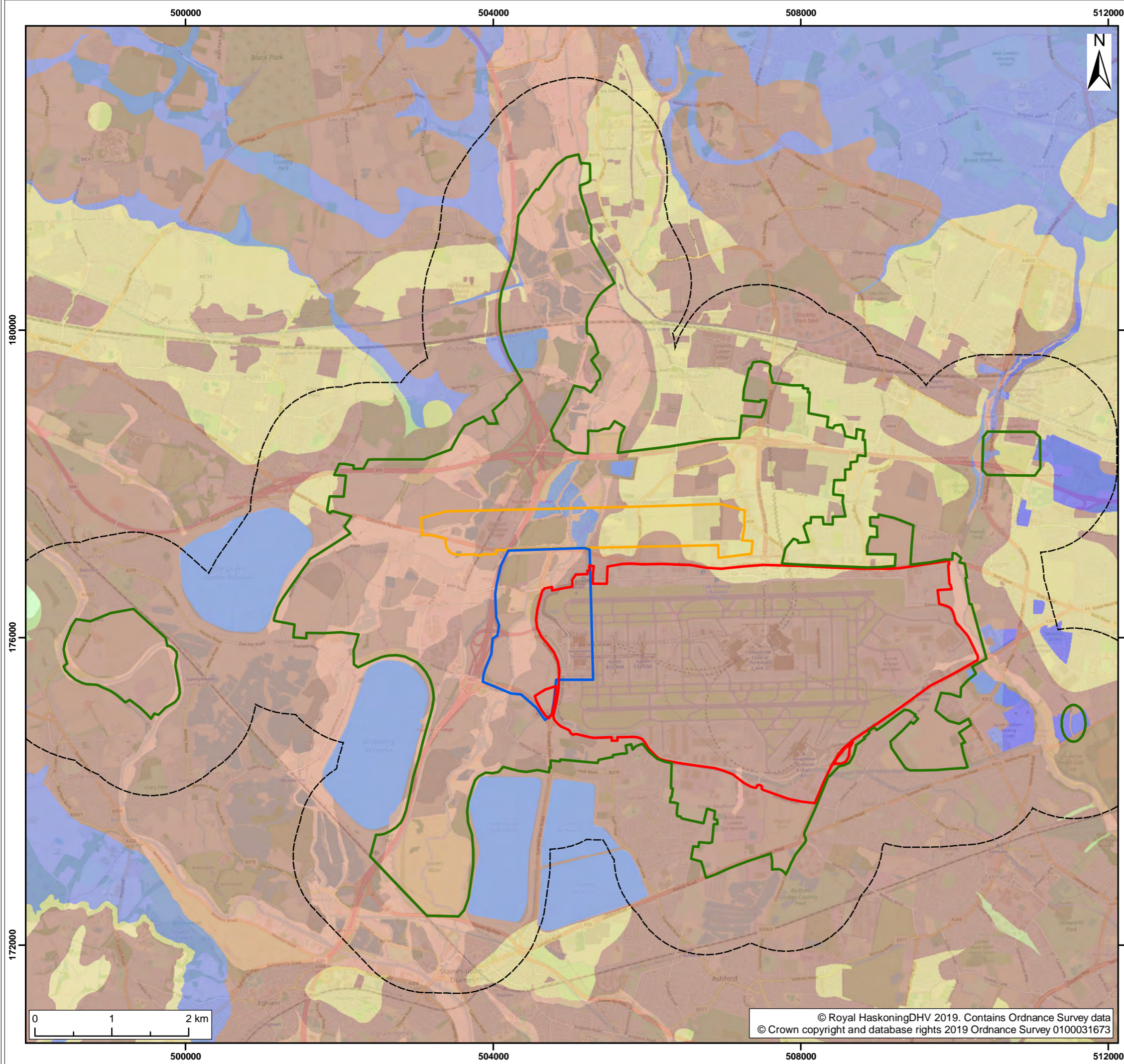
Figure: 14.7      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0165

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:60,000

Project: Heathrow Western Hub      Report: Scoping Report







- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - 1km buffer of associated works
- Parent Material European Soil Bureau Description<sup>1</sup>**
- River terrace sand and gravel
  - Residual clay and loamy loess
  - Riverine clay, sands and gravels
  - Prequaternary marine/estuarine clay and silt
  - Prequaternary marine/estuarine sand and silt
  - Colluvium

<sup>1</sup> BGS, 2019

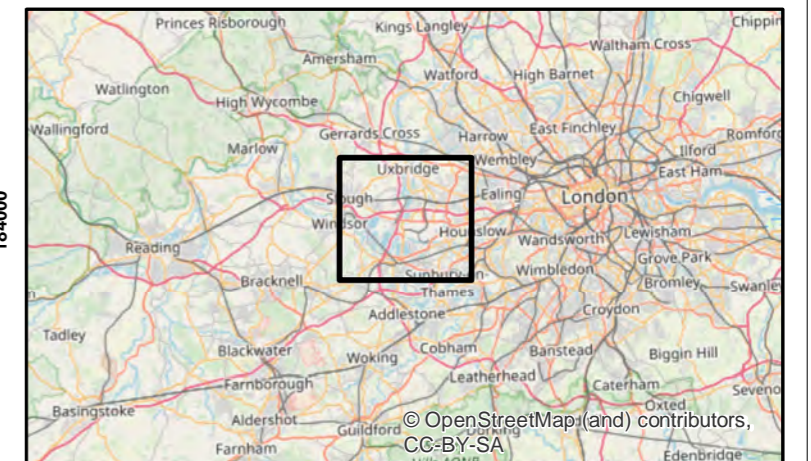
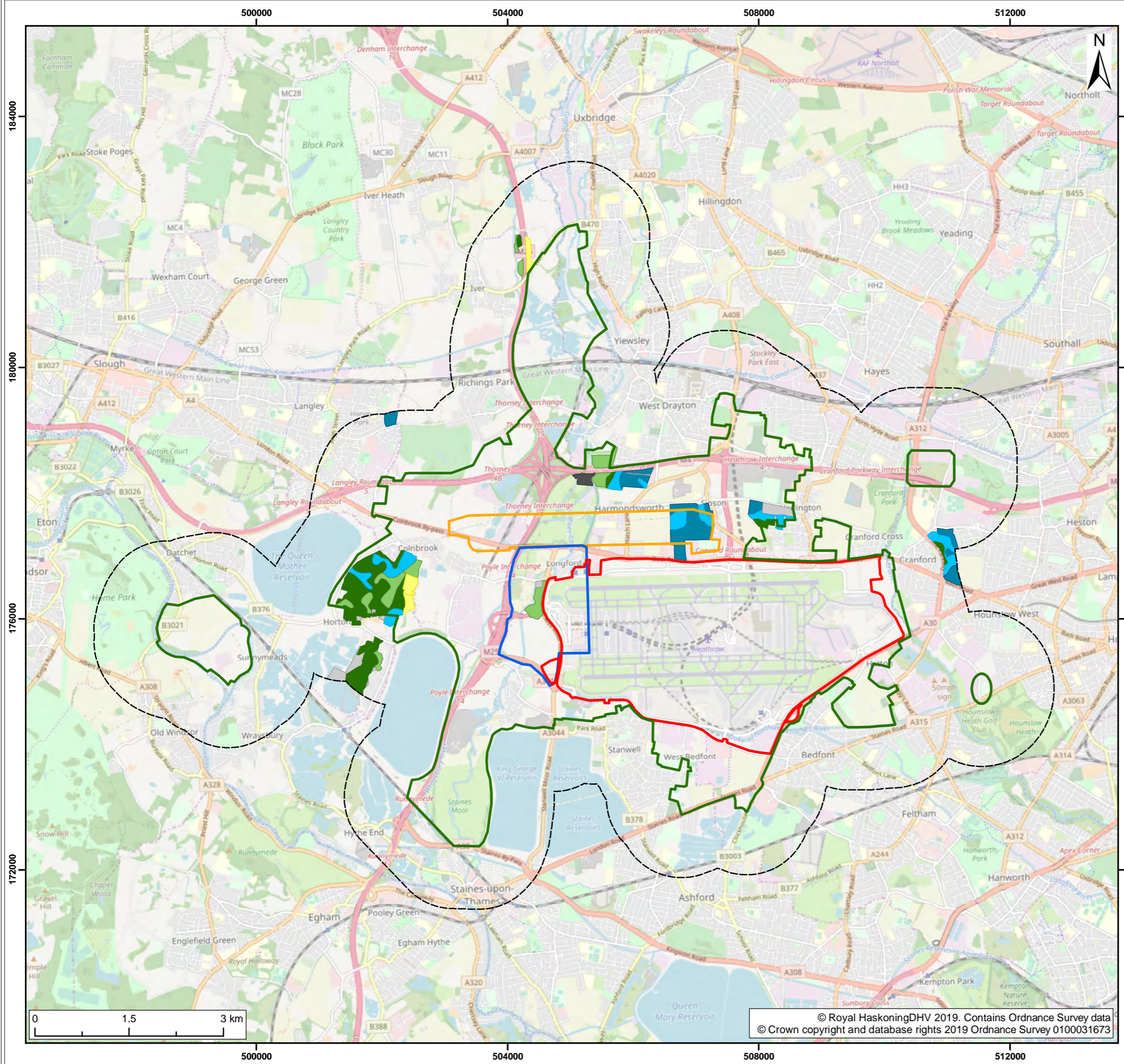
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Soil quality**

Figure: 14.8      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0166

|  |                                  |                    |
|--|----------------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                 | Scale:<br>1:50,000 |
| Project:<br><b>Heathrow Western Hub</b>      | Report:<br><b>Scoping Report</b> |                    |





Legend:

- Proposed northwest runway
- Existing airport
- Principal works area under consideration for Heathrow Western Hub
- Land being considered for associated works
- 1km buffer of associated works

**Agricultural Land Classification (ALC) Grades - Post 1988 Survey<sup>1</sup>**

- Grade 1
- Grade 2
- Grade 3a
- Grade 3b
- Grade 4
- Not Surveyed
- Other

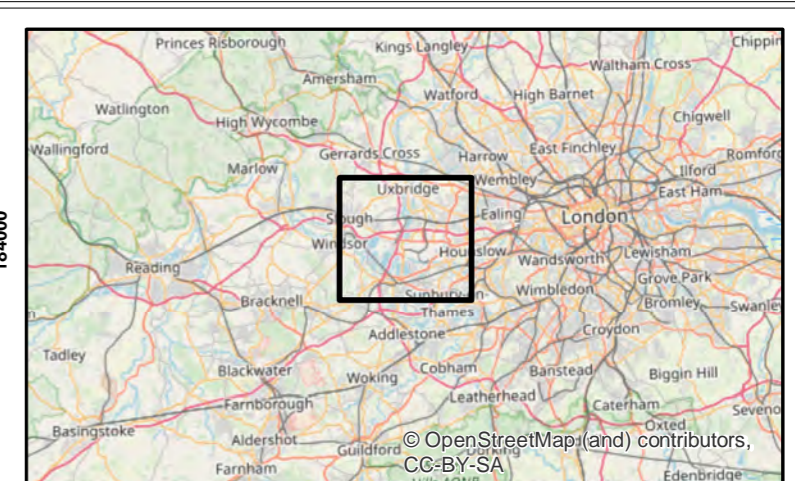
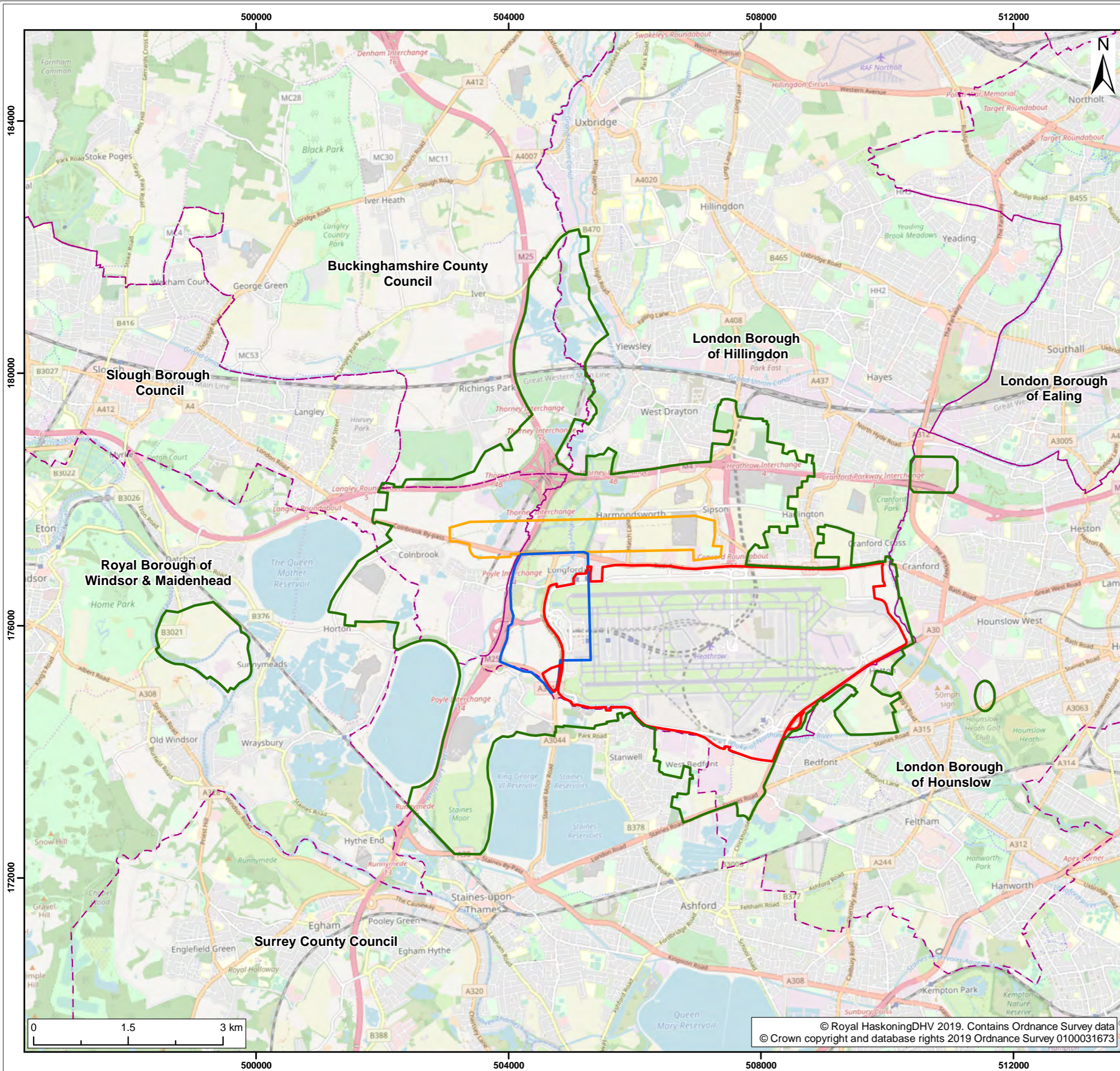
<sup>1</sup> Natural England, 2019

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
Detailed agricultural land classification survey data

Figure: 14.9 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0167

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Mineral Safeguarding Planning Authorities

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 29/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

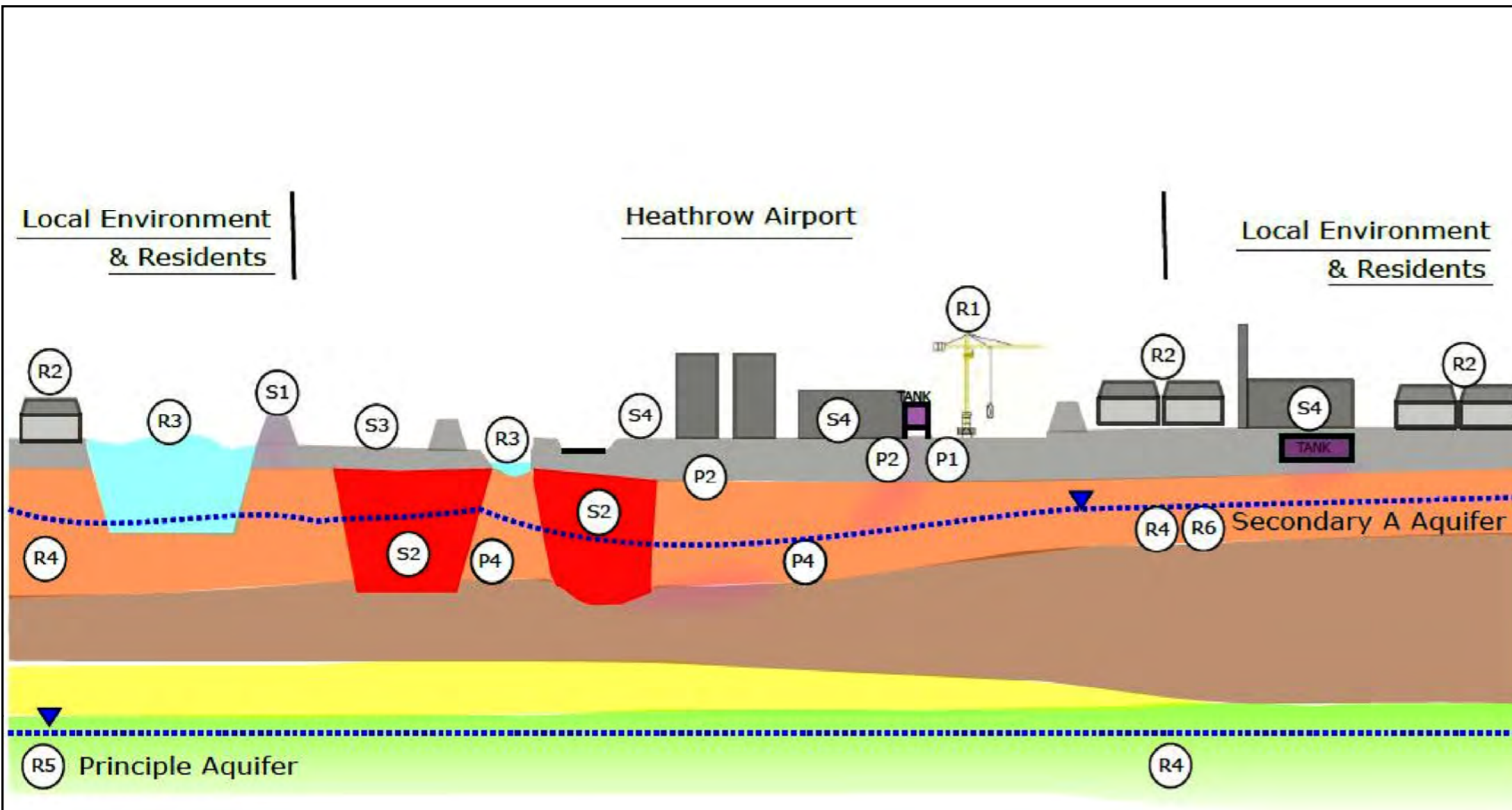
Title:  
Mineral safeguarding planning authorities

Figure: 14.10 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0168

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:60,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |



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- Legend:**
- Made Ground
  - Waste-Landfilling
  - Superficials
  - London Clay
  - Lambeth Chalk
  - Chalk
  - Groundwater

**SOURCE**

- (S1) Made Ground - containing PCOC
- (S2) Historic Landfill
- (S3) Waste management sites
- (S4) Historic land use - associated with PCOC

**PATHWAY**

- (P1) Direct contact - Dermal, inhalation, ingestion
- (P2) Gas migration
- (P3) Groundwater transport
- (P4) Leaching

**RECEPTOR**

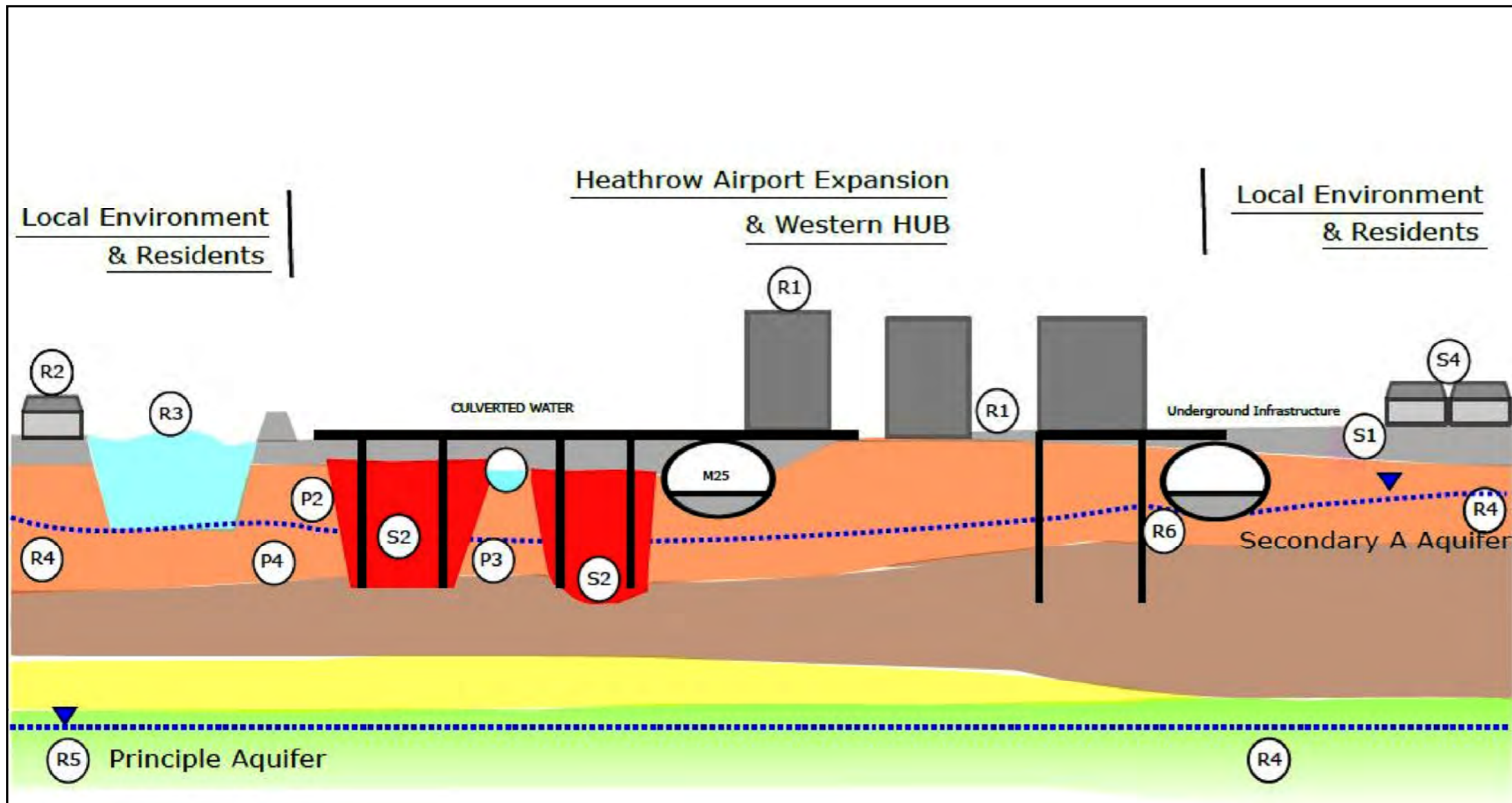
- (R1) Human Health - Construction workers
- (R2) Human Health - General public
- (R3) Surface water bodies
- (R4) Abstraction
- (R5) Principle Aquifer
- (R6) Secondary A Aquifer

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P01 | 13/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title: Conceptual site model - construction

|   |  |                     |
|---|--|---------------------|
| Figure: 14.11                             | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0195 |                     |
| Co-ordinate system: British National Grid | Page Size: A3                          | Scale: Not to scale |
| Project: Heathrow Western Hub             | Report: Scoping Report                 |                     |

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- Legend:**
- Made Ground
  - Waste-Landfilling
  - Superficials
  - London Clay
  - Lambeth Chalk
  - Chalk
  - Groundwater

**SOURCE**

- S1 Made Ground - containing PCOC
- S2 Historic Landfill
- S3 Waste management sites
- S4 Historic land use - associated with PCOC

**PATHWAY**

- P1 Direct contact
- P2 Gas migration
- P3 Groundwater transport
- P4 Leaching

**RECEPTOR**

- R1 Human Health - Onsite workers
- R2 Human Health - General public
- R3 Surface water bodies
- R4 Abstraction
- R5 Principle Aquifer
- R6 Secondary A Aquifer

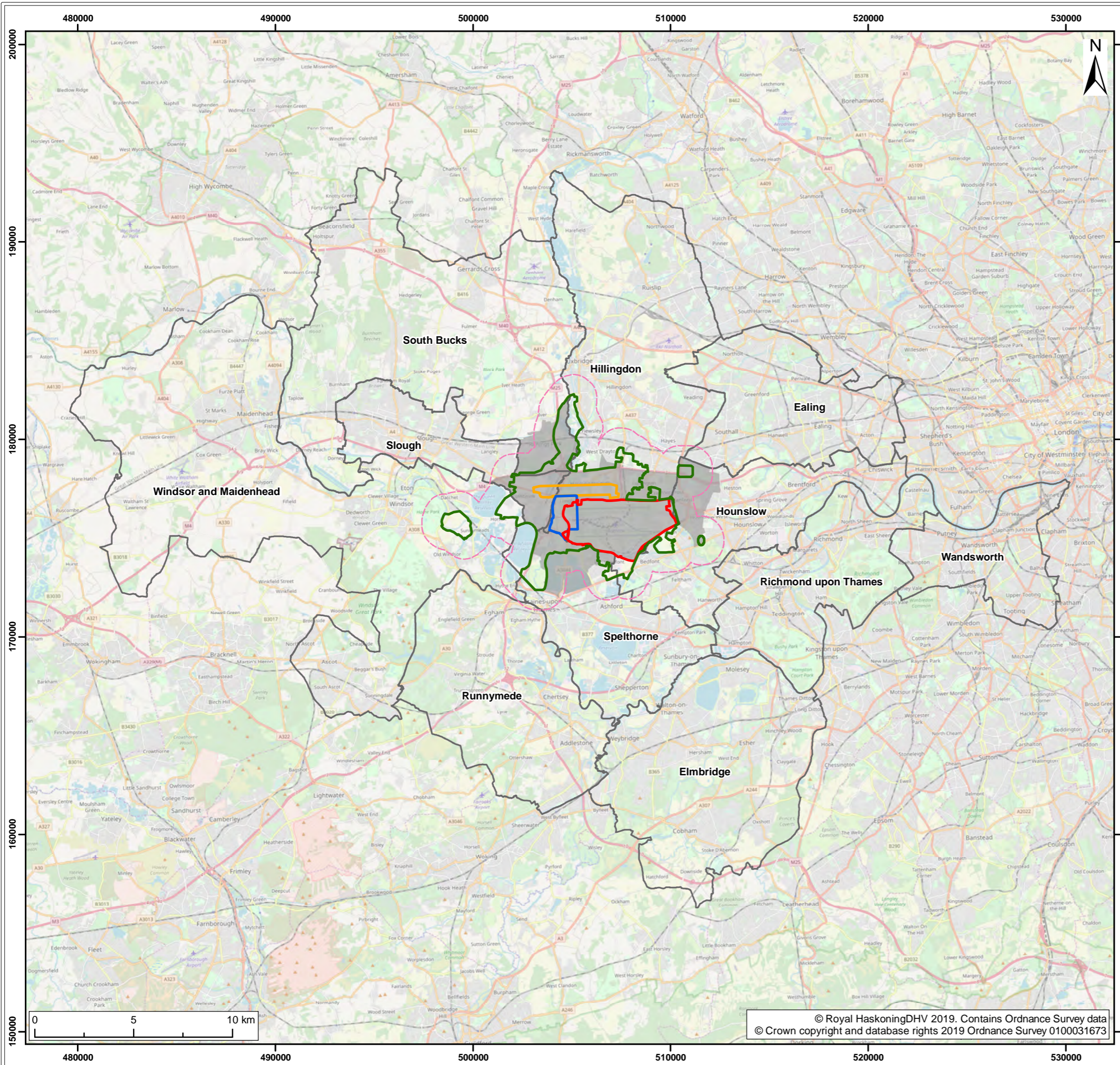
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P01 | 13/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

Title: Conceptual site model - operation

Figure: 14.12 Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0196

Co-ordinate system: British National Grid Page Size: A3 Scale: Not to scale

Project: Heathrow Western Hub Report: Scoping Report



- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Land Quality 1km study area
  - Community wider study area
  - Community inner study area

|     |     |            |                            |     |     |     |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 28/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |

Title:  
Major accidents and disasters study area

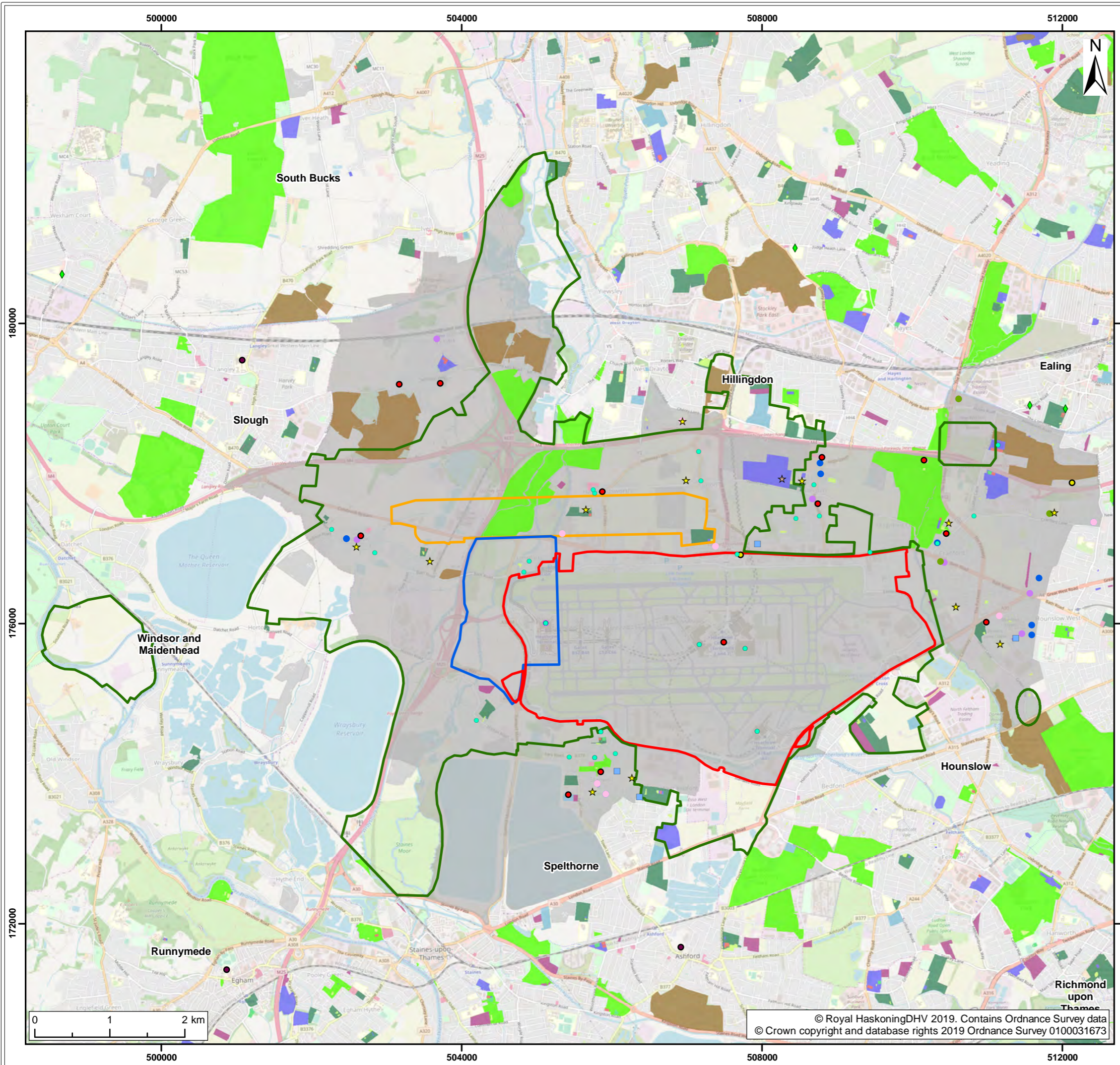
Figure: 15.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0174

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:190,000

Project: Heathrow Western Hub      Report: Scoping Report



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- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Inner Study Area
  - Public Park Or Garden
  - Religious Grounds
  - Tennis Court
  - ★ Education Facility
  - ☆ Leisure Or Sports Centre
  - Place Of Worship
  - Police Station
  - Further education
  - ◆ Local authority nursery school
  - Public House
  - Opticians
  - Clinics
  - Social Care
  - Pharmacy's
  - General Practices
- Greenspace**
- Allotments Or Community Growing Spaces
  - Bowling Green
  - Cemetery
  - Golf Course
  - Other Sports Facility
  - Play Space
  - Playing Field

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 08/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 30/01/2019 | Suitable for Co-ordination | JT  | GC  | CD  |

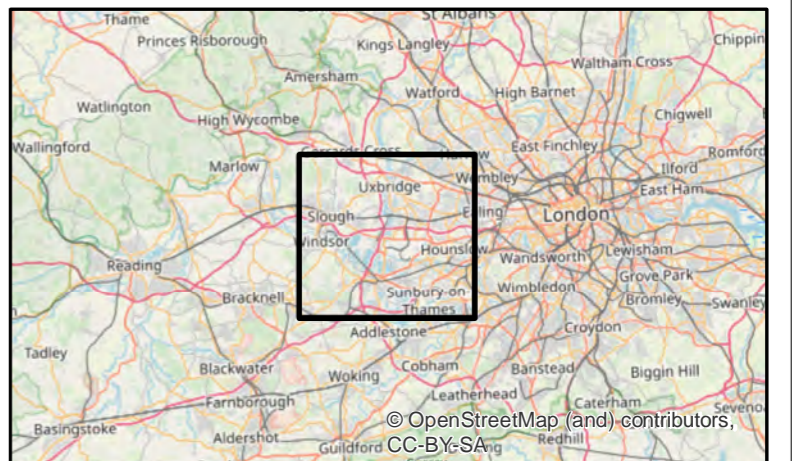
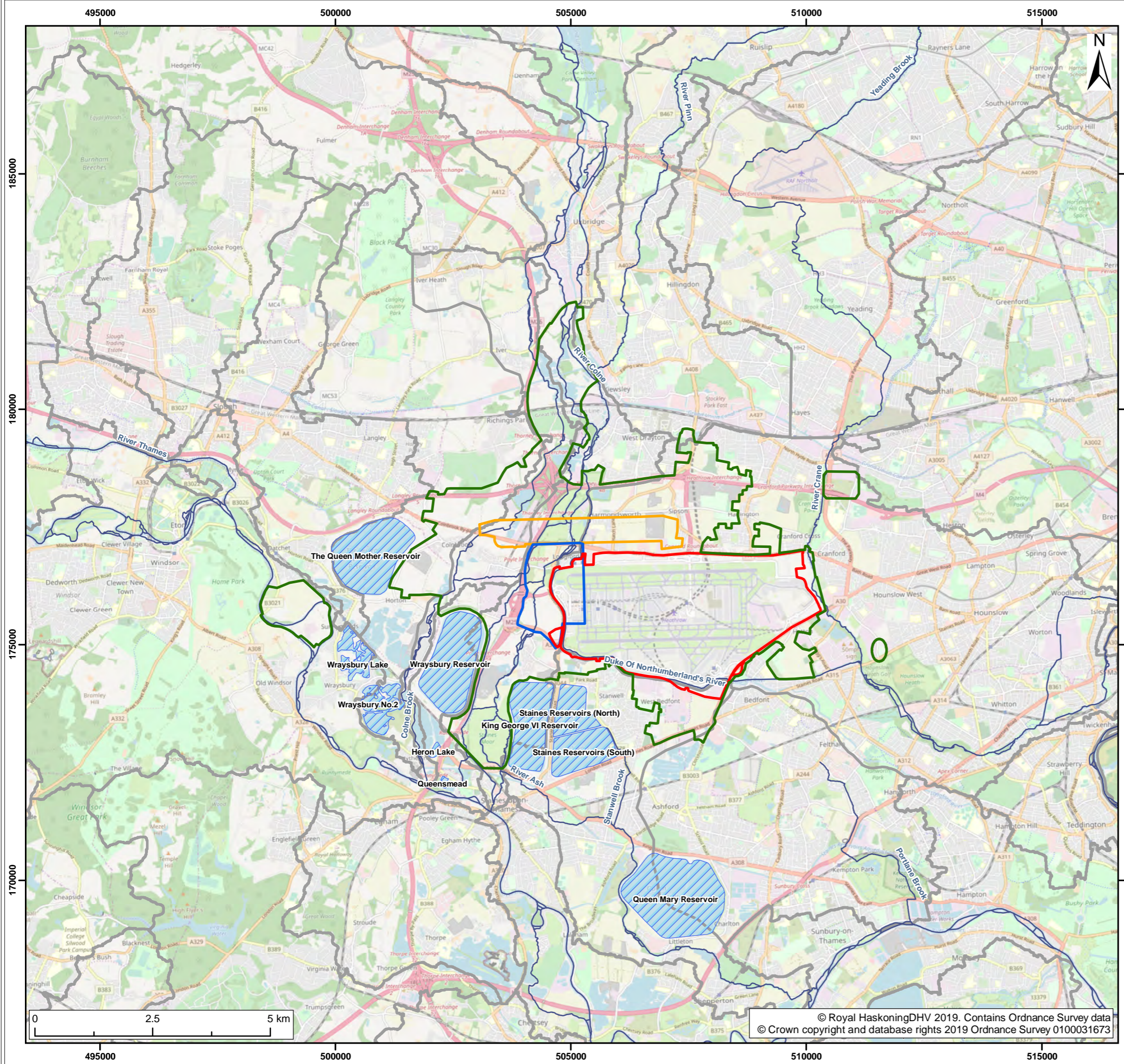
Title:  
Traffic and transport sensitive receptors

Figure: 17.1      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0178

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:50,000

Project: Heathrow Western Hub      Report: Scoping Report





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - WFD river water body catchments<sup>1</sup>
  - WFD lake water bodies<sup>1</sup>
  - WFD river water bodies<sup>1</sup>

<sup>1</sup> Environment Agency, 2018

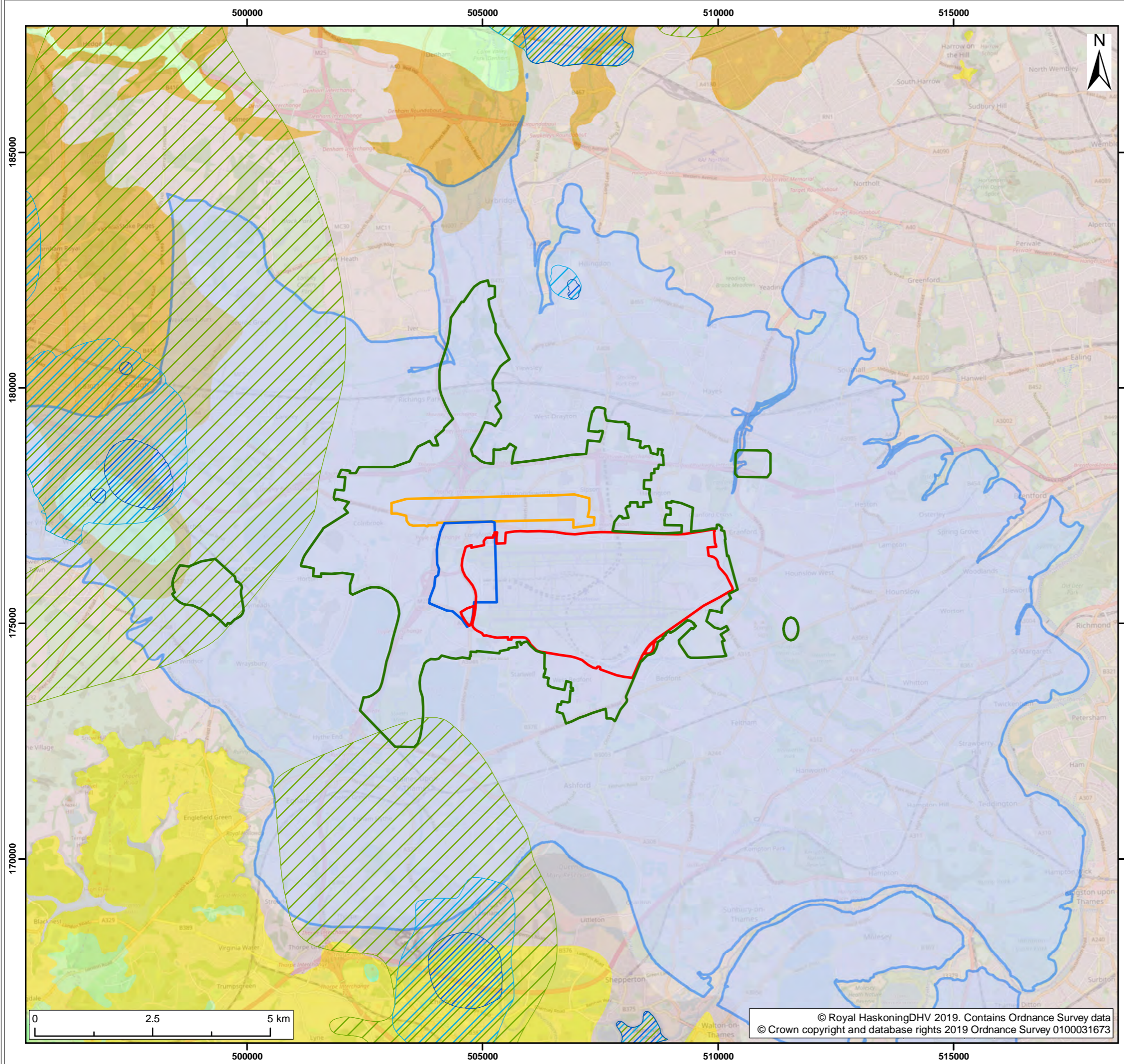
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 12/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Surface water features**

|  |  |                    |
|--|--|--------------------|
| Figure: 18.1                                 | Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0115 |                    |
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                       | Scale:<br>1:80,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report              |                    |







- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - WFD Groundwater bodies<sup>1</sup>
- Groundwater Source Protection Zone (SPZ)<sup>1</sup>**
- Zone 1 (Inner Protection Zone)
  - Zone 2 (Outer Protection Zone)
  - Zone 3 (Total Catchment)
- Bedrock Aquifers<sup>2</sup>**
- London clay formation - Clay, Silt and Sand
  - Lambeth group - Clay, Silt and Sand
  - Bagshot formation - Sand
  - Claygate member - Sand, Silt and Clay
  - Seaford chalk formation and Newhaven chalk formation (Undifferentiated) - Chalk

<sup>1</sup> Environment Agency, 2018  
<sup>2</sup> BGS, 2018

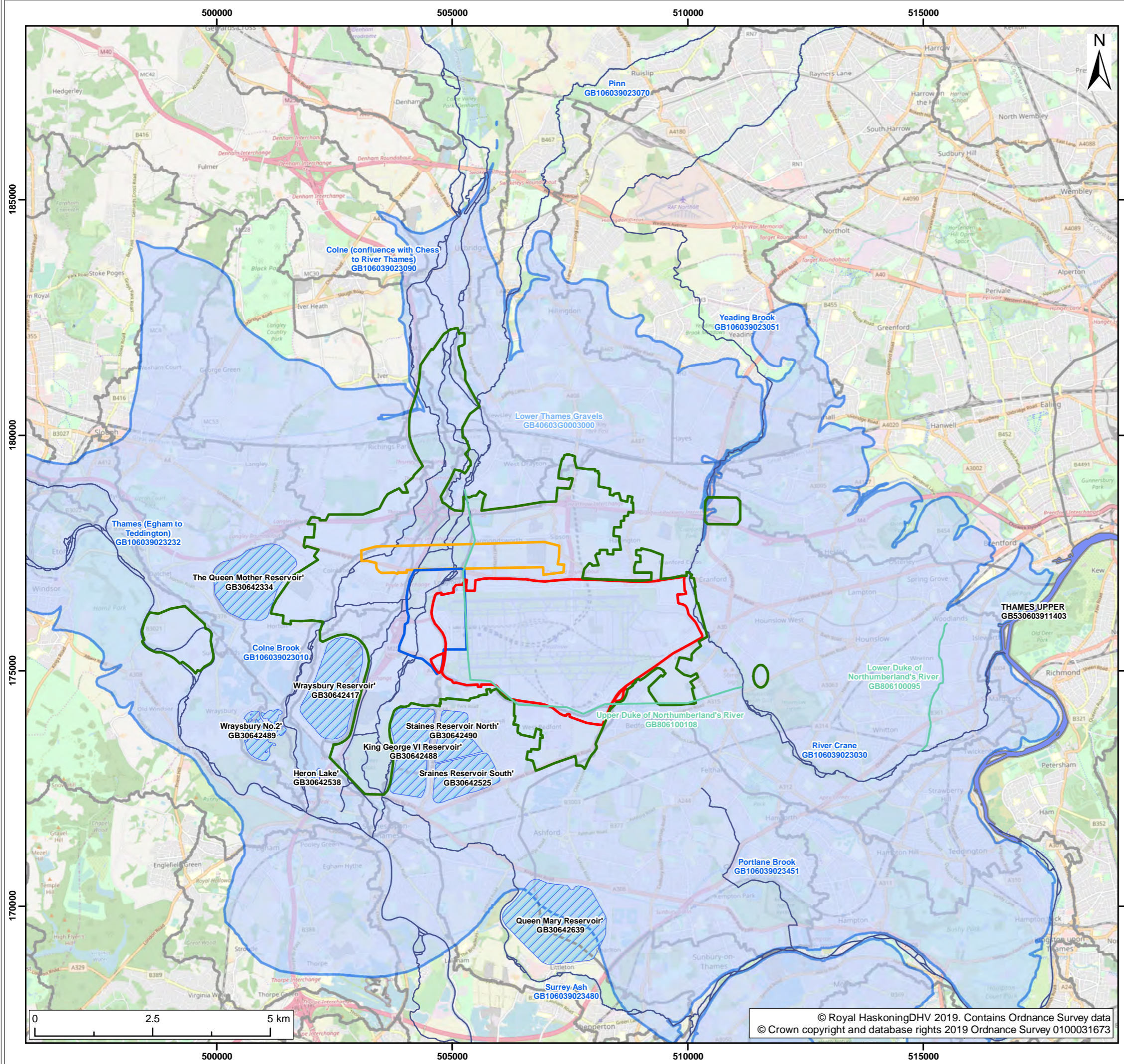
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 12/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Groundwater features**

Figure: 18.2      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0116

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:80,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |





- Legend:
- ▭ Proposed northwest runway
  - ▭ Existing airport
  - ▭ Principal works area under consideration for Heathrow Western Hub
  - ▭ Land being considered for associated works
  - ▭ WFD Transitional water bodies<sup>1</sup>
  - ▭ WFD Groundwater bodies<sup>1</sup>
  - ▭ WFD River catchment water bodies<sup>1</sup>
  - ▭ WFD Lake water bodies<sup>1</sup>
  - ▭ WFD River water bodies<sup>1</sup>
  - ▭ WFD Surface Water Transfers bodies<sup>1</sup>

<sup>1</sup> Environment Agency, 2018

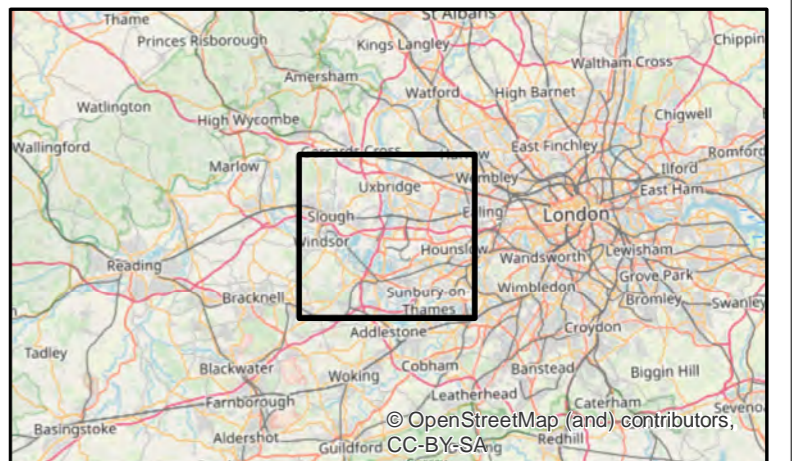
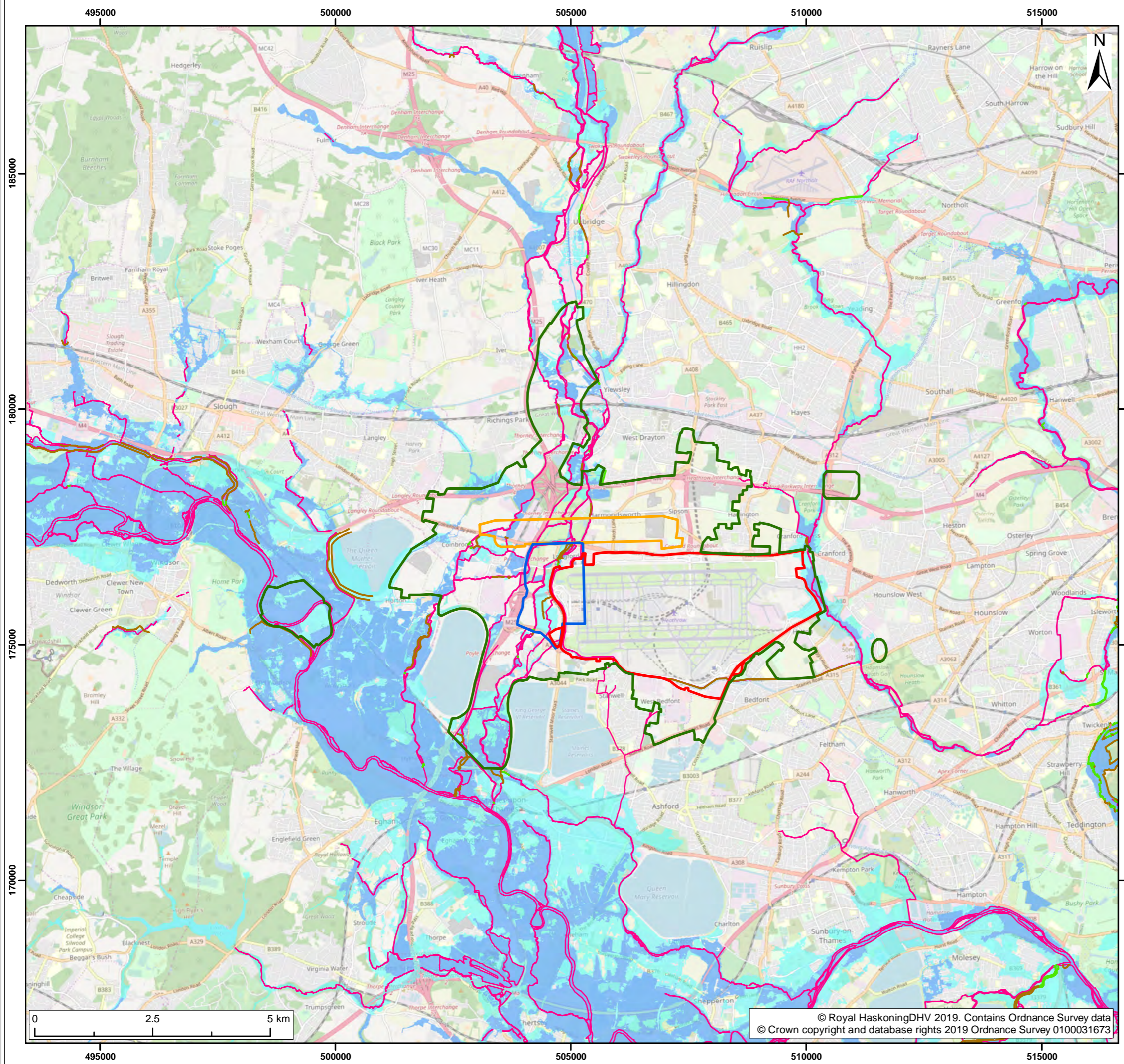
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 11/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
WFD water bodies

Figure: 18.3 Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0117

|  |                           |                    |
|--|---------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3          | Scale:<br>1:80,000 |
| Project:<br>Heathrow Western Hub             | Report:<br>Scoping Report |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - Flood Zone 3<sup>1</sup>
  - Flood Zone 2<sup>1</sup>
- Flood defence asset<sup>1</sup>**
- Embankment
  - Flood gate
  - High ground
  - Wall

<sup>1</sup> Environment Agency, 2018

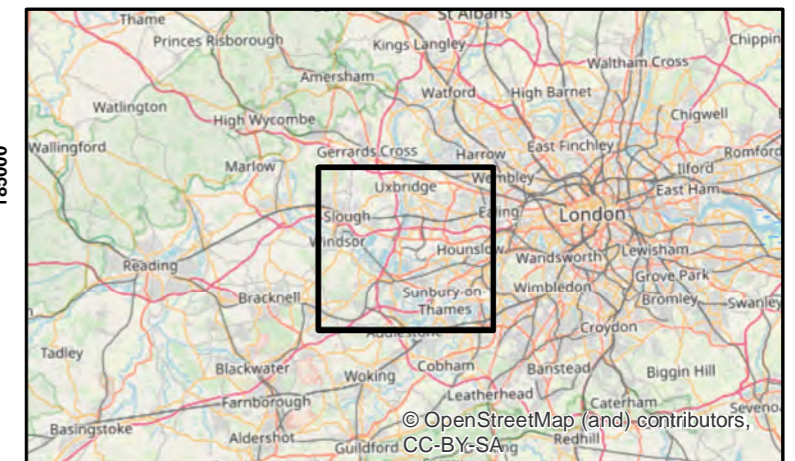
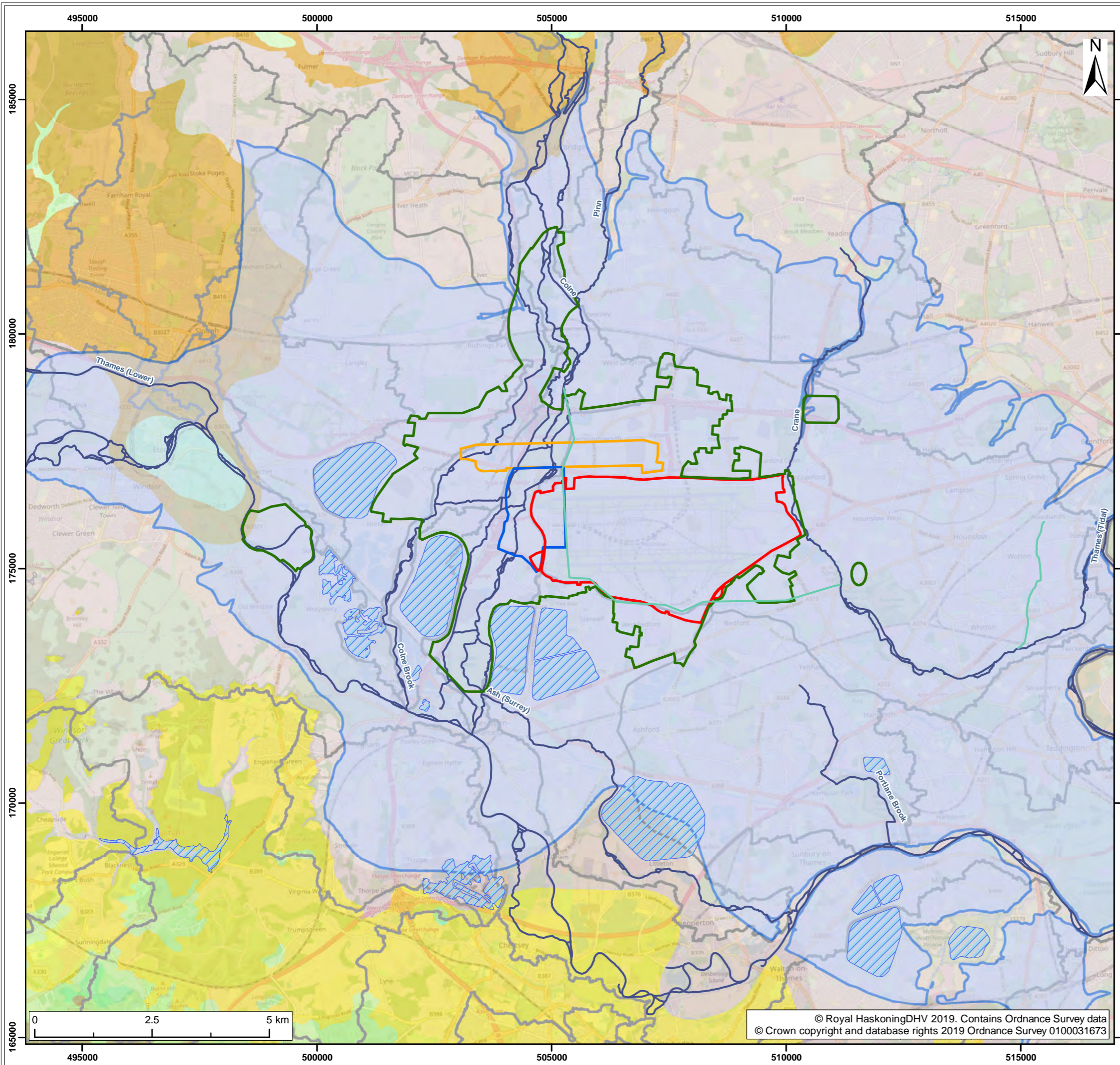
| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 12/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
**Baseline flood risk**

Figure: 18.4      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0118

|  |                                  |                    |
|--|----------------------------------|--------------------|
| Co-ordinate system:<br>British National Grid | Page Size:<br>A3                 | Scale:<br>1:80,000 |
| Project:<br><b>Heathrow Western Hub</b>      | Report:<br><b>Scoping Report</b> |                    |





- Legend:**
- Proposed northwest runway
  - Existing airport
  - Principal works area under consideration for Heathrow Western Hub
  - Land being considered for associated works
  - WFD river water body catchments<sup>1</sup>
  - WFD Groundwater bodies<sup>1</sup>
  - WFD Lake water bodies<sup>1</sup>
  - WFD River water bodies<sup>1</sup>
  - WFD Surface Water Transfer bodies<sup>1</sup>
- Bedrock Aquifers<sup>2</sup>**
- London clay formation - Clay, Silt and Sand
  - Lambeth group - Clay, Silt and Sand
  - Bagshot formation - Sand
  - Claygate member - Sand, Silt and Clay
  - Seaford chalk formation and Newhaven chalk formation (Undifferentiated) - Chalk

<sup>1</sup> Environment Agency, 2018  
<sup>2</sup> BGS, 2018

| SUI | REV | DATE       | DESCRIPTION                | DRW | CHK | APR |
|-----|-----|------------|----------------------------|-----|-----|-----|
| S1  | P02 | 07/02/2019 | Suitable for Co-ordination | JT  | GC  | CD  |
| S1  | P01 | 12/12/2018 | Suitable for Co-ordination | JT  | GC  | CD  |

Title:  
 Water receptors

Figure: 18.5      Drawing No: PB8426-RHD-ZZ-XX-DR-Z-0119

Co-ordinate system: British National Grid      Page Size: A3      Scale: 1:80,000

Project: Heathrow Western Hub      Report: Scoping Report

