

M25 junction 10/A3 Wisley interchange TR010030

5.3 Habitats Regulations Assessment Figures

APFP Regulation 5(2)(g)
Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)

M25 junction 10/A3 Wisley interchange

Development Consent Order 202[x]

5.3 HABITATS REGULATIONS ASSESSMENT FIGURES

| | |
|---|---|
| Regulation Number: | Regulation 5(2)(h) |
| Planning Inspectorate Scheme Reference | TR010030 |
| Application Document Reference | TR010030/APP/5.3 |
| Author: | M25 junction 10/A3 Wisley interchange project team, Highways England and Atkins |

| Version | Date | Status of Version |
|----------------|---------------|---------------------------------------|
| Rev 2 | November 2019 | Section 51 Update |
| Rev 1 | July 2019 | Section 51 Advice |
| Rev 0 | June 2019 | Development Consent Order application |

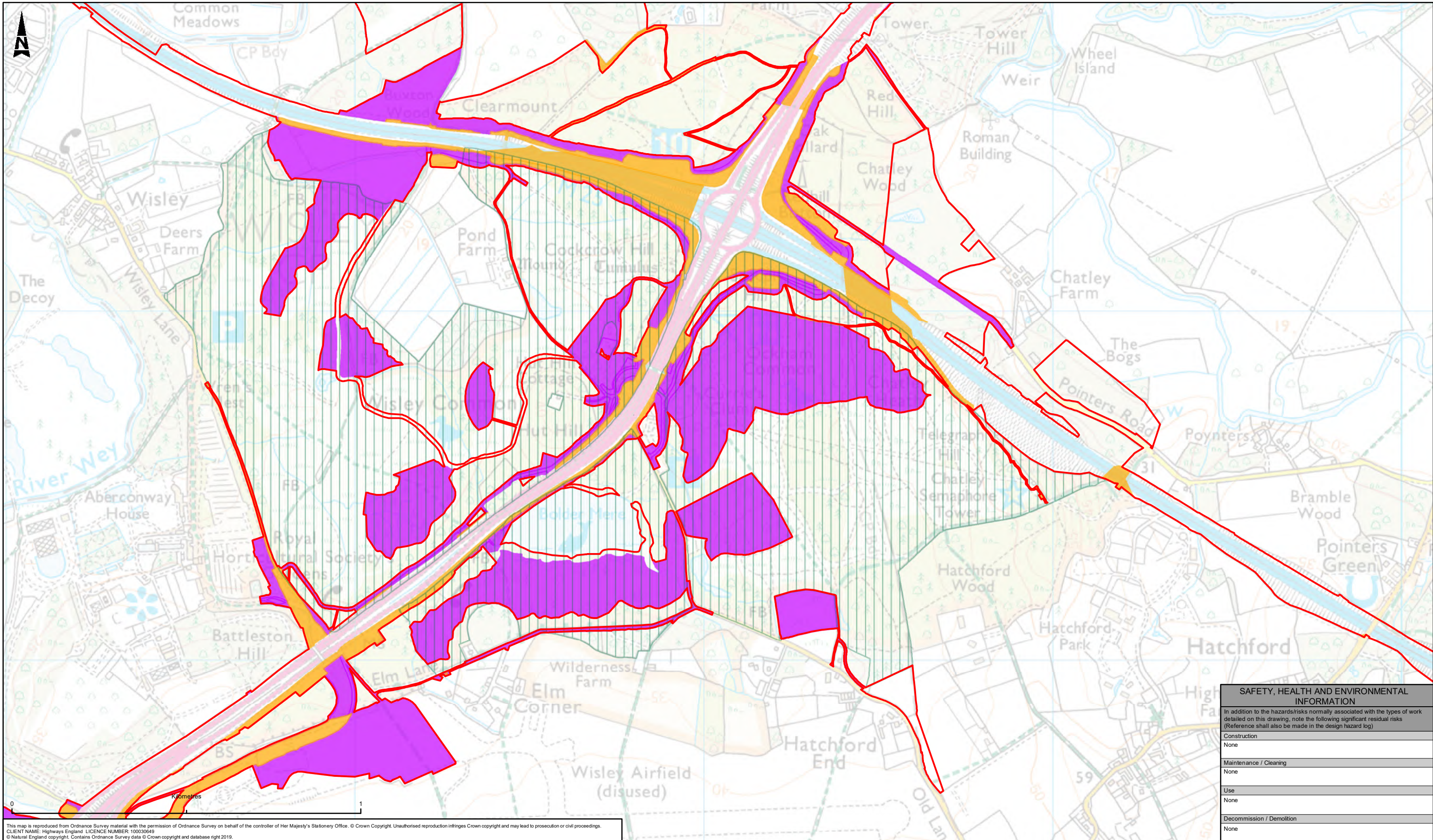
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1. Schedule of figures included in this application document

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| Figure 2a – Dartford Warbler Breeding Territories in Ockham Common – 2016 | HE551522-ATK-EGN-XX-GS-GI-000006 | C01 |
| Figure 2b – Nightjar Breeding Territories in Ockham Common – 2016 | HE551522-ATK-EGN-XX-GS-GI-000006 | C01 |
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| Document title | Document number | Revision |
|---|-------------------------------------|----------|
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| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | | | | | | |
|--------|--------------|--|-------------------------------|--|---------------------|--|---------------------|
| | DCO Boundary | | Special Protection Area (SPA) | | Permanent Land Take | | Temporary Land Take |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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| PUBLISHED | A1 | | FD | PW | NW | GB | 12/06/19 |

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| | | | |
|-------------------|-----------------|---|---------------------------|
| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 1 PERMANENT AND TEMPORARY SPA LAND TAKE | |
| Drawing Number | | Project: HE551522 - ATK - EGN Originator: XX - GS - GI - 000005 Volume: --- | |
| Original Size: A3 | Scale: 1:10,000 | Project Ref. No: --- | Sheet: 1 of 1 Rev: C01 |

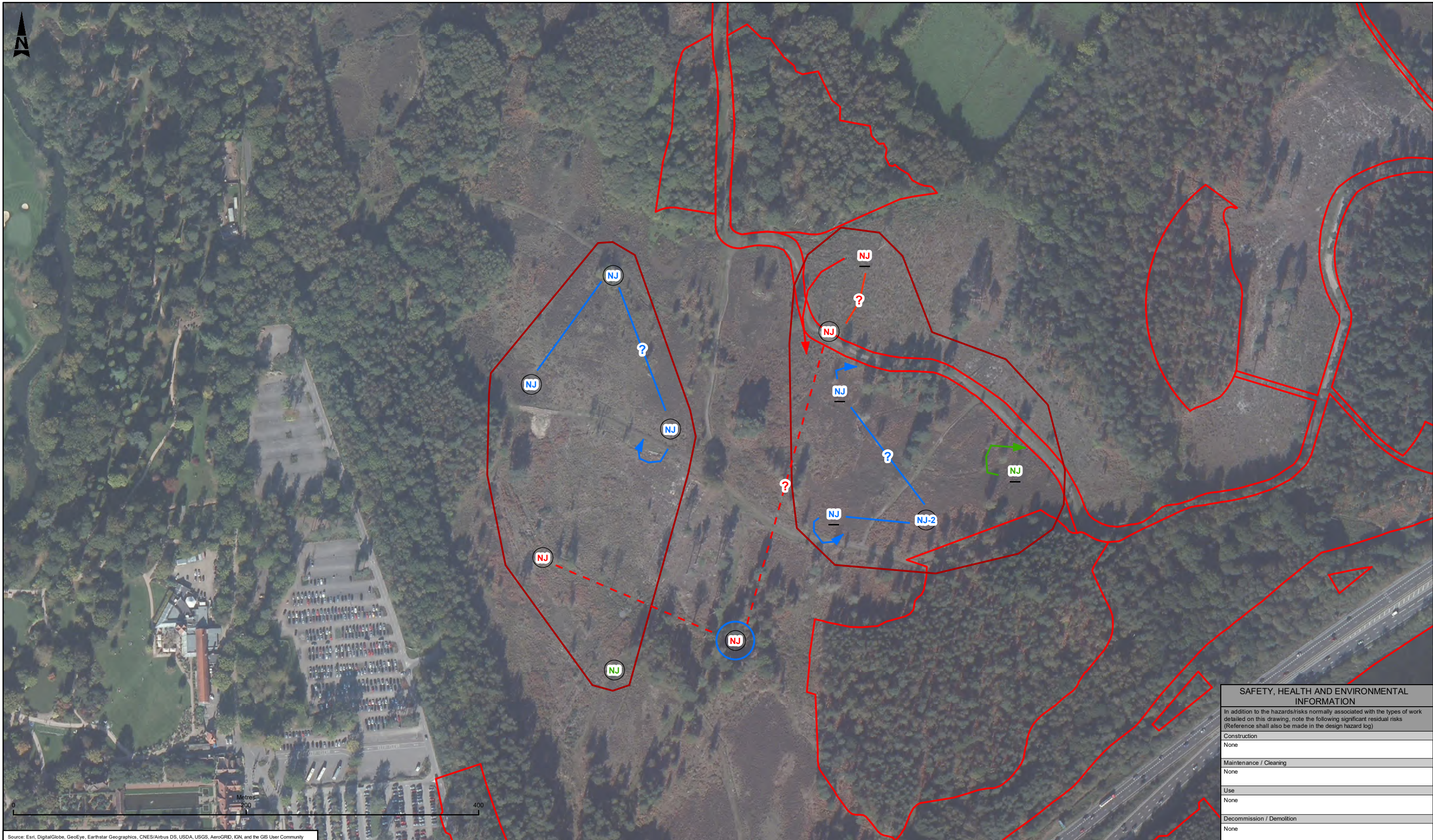


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| LEGEND | | Breeding Territories | | Site Visit Dates (where target species was recorded): | |
|--------|----------------|----------------------|---------------------|---|--|
| | DCO Boundary | | Confirmed Territory | 18/05/17 | 20/06/17 |
| | Singing | | Probable Territory | | |
| | Same Bird | | Possible Territory | | |
| | Different Bird | | | | |
| | Bird in Flight | | | | |

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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| | | | | | | | |
|-------------|----------|-----------------------------------|---------|---|------------|---|--|
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| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 |
| Description | | PUBLISHED | | A1 | | Drawing Title | |
| Description | | ATKINS | | Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL | | FIGURE 2C DARTFORD WARBLER BREEDING TERRITORIES IN WISLEY COMMON -2017 | |
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| Description | | Copyright © Atkins Limited (2019) | | www.atkinglobal.com | | Project | |
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| Description | | PUBLISHED | | Original Size: A3 | | Scale: 1:3,000 | |
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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | Breeding Territories | | Site Visit Dates (where target species was recorded): | |
|--------|----------------|----------------------|---------------------|---|--|
| | DCO Boundary | | Confirmed Territory | 16/06/17 | |
| | Calling | | Probable Territory | 26/06/17 | |
| | Singing | | Possible Territory | 07/07/17 | |
| | Same Bird | | | | |
| | Different Bird | | | | |
| | Bird in Flight | | | | |

| Description | | | | | | | | Drawing Suitability | | Status | |
|-------------|----------|-------|---------|----------|------------|------------|---|--|-----------|--------|--|
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| Description | | | | | | | | Project: HE551522 - ATK - EGN Location: XX - GS - GI - 000006 Type: --- Role: --- Sheet: 1 of 1 Number: C01 | | | |
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | Original Size: A3 Scale: 1:3,000 Project Ref. No: --- Rev: C01 | | | | |
| A1 | C01 | FD | PW | NW | GB | 22/02/19 | | | | | |

| Project Title | |
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| ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | |
| FIGURE 2D NIGHTJAR BREEDING TERRITORIES IN WISLEY COMMON - 2017 | |
| Drawing Number | |
| Project: HE551522 - ATK - EGN Originator: XX - GS - GI - 000006 Volume: --- | |
| Original Size | |
| A3 | |
| Scale | |
| 1:3,000 | |
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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | Site Visit Dates (where target species was recorded): |
|----------------|-----------------------------|---|
| DCO Boundary | Breeding Territories | 27/04/17 |
| Singing | Confirmed Territory | 30/05/17 |
| Same Bird | Probable Territory | 20/06/17 |
| Different Bird | Possible Territory | |
| Bird in Flight | | |

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| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 2E WOODLARK BREEDING TERRITORIES IN WISLEY COMMON - 2017 | |
| Client | | Project: HE551522 - ATK - EGN Originator: XX - GS - GI - 000006 Volume: --- | |
| Original Size: A3 | Scale: 1:3,000 | Project Ref. No: --- | Sheet: 1 of 1 Rev: C01 |



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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | Site Visit Dates (where target species was recorded): |
|----------------|-----------------------------|---|
| DCO Boundary | Breeding Territories | 10/03/17 |
| Calling | Confirmed Territory | 07/04/17 |
| Singing | Probable Territory | 12/05/17 |
| Same Bird | Possible Territory | 30/05/17 |
| Different Bird | | 09/06/17 |
| Bird in Flight | | 19/06/17 |
| | | 29/06/17 |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 2F DARTFORD WARBLER BREEDING TERRITORIES IN OCKHAM COMMON - 2017 | |
| Client | Project | Originator | Volume |
| | HE551522 - ATK - EGN | XX - GS - GI - 000006 | |
| Original Size: A3 | Scale: 1:3,000 | Project Ref. No: -- | Sheet: 1 of 1 Rev: C01 |



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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | Breeding Territories | | Site Visit Dates (where target species was recorded): | |
|--------|----------------|----------------------|---------------------|---|----------|
| | DCO Boundary | | Confirmed Territory | | 16/06/17 |
| | Calling | | Probable Territory | | 26/06/17 |
| | Singing | | Possible Territory | | 07/07/17 |
| | Same Bird | | | | 29/06/17 |
| | Different Bird | | | | 06/07/17 |
| | Bird in Flight | | | | |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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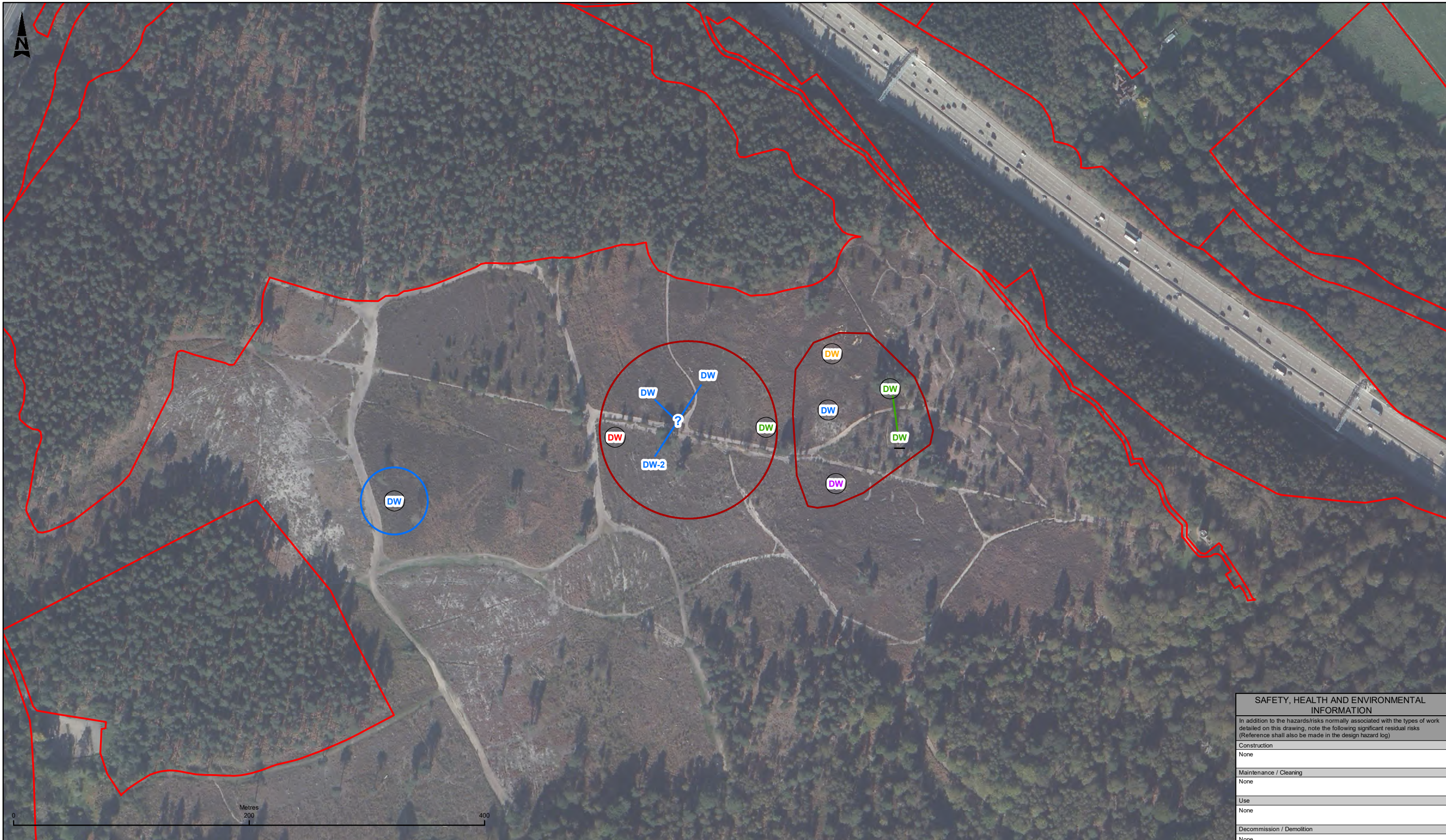
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| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 2G NIGHTJAR BREEDING TERRITORIES IN OCKHAM COMMON - 2017 | |
| Drawing Number | | Project: HE551522 - ATK - EGN Originator: XX - GS - GI - 000006 Volume: --- | |
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| LEGEND | | Site Visit Dates (where target species was recorded): |
|--------|---------------------|---|
| | DCO Boundary | 13/03/18 |
| | Confirmed Territory | 16/03/18 |
| | Probable Territory | 04/04/18 |
| | Possible Territory | 17/04/18 |
| | Calling | 25/06/18 |
| | Singing | |
| | Same Bird | |
| | Different Bird | |
| | Bird in Flight | |

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|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

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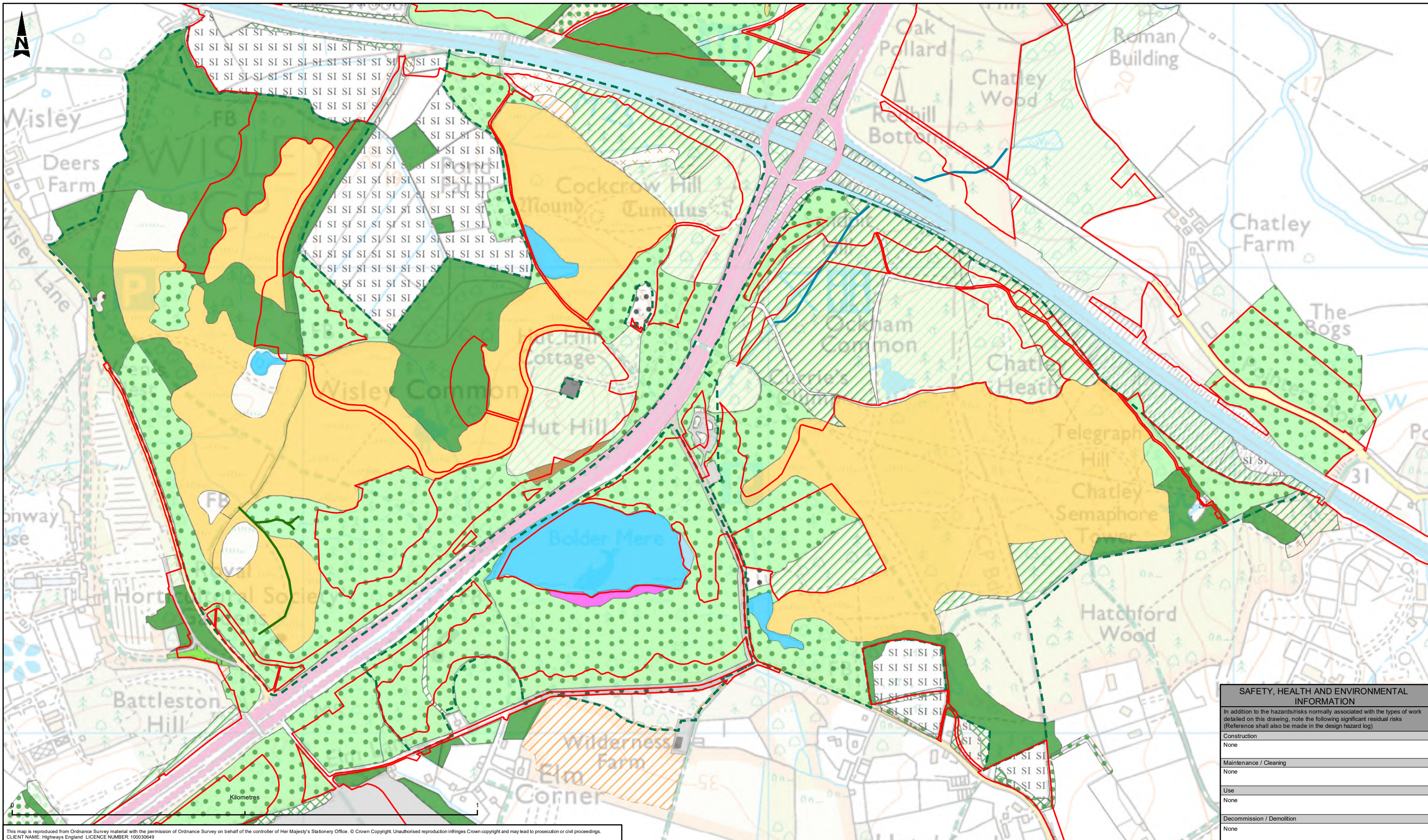
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| ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | |
| FIGURE 2J DARTFORD WARBLER BREEDING TERRITORIES IN OCKHAM COMMON - 2018 | |
| Drawing Number | |
| Project | Originator |
| HE551522 - ATK - EGN | XX - GS - GI - 000006 |
| Client | |
| highways england | |
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| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | | | |
|-------------------------------|--|---|--|
| DCO Boundary | A1.1.1 - Broadleaved Woodland - Semi-Natural | B4 - Improved Grassland | F1 - Swamp |
| Special Protection Area (SPA) | A1.1.2 - Broadleaved Woodland - Plantation | B6 - Poor Semi-Improved Grassland | G1 - Standing Water |
| Ditches | A1.2.1 - Coniferous Woodland - Semi-Natural | C1.1 - Bracken - Continuous | G1.3 - Standing Water - Oligotrophic |
| Line of Trees | A1.2.2 - Coniferous Woodland - Plantation | C1.2 - Bracken - Scattered | G2 - Running Water |
| | A1.3.1 - Mixed Woodland - Semi-Natural | C3.1 - Other Tall Herb and Fern - Ruderal | J1.2 - Cultivated/Disturbed Land - Amenity Grassland |
| | A1.3.2 - Mixed Woodland - Plantation | C3.1 - Tall Ruderal (with Battered Scrub) | J2.2.2 - Defunct Hedge - Species-Poor |
| | A2.1 - Scrub - Dense/Continuous | C3.2 - Other Tall Herb and Fern - Non-Ruderal | J3.6 - Buildings |
| | A2.2 - Scrub - Scattered | D1.1 - Dry Dwarf Shrub Heath - Acid | J4 - Bare Ground |
| | A3.1 - Broadleaved Parkland/Scattered Trees | D1.2 - Dry Dwarf Shrub Heath - Basic | Garden |
| | A3.2 - Coniferous Parkland/Scattered Trees | E2.1 - Flush and Spring - Acid/Neutral Flush | Hard Standing |
| | B1.2 - Acid Grassland - Semi-Improved | E3 - Fen | |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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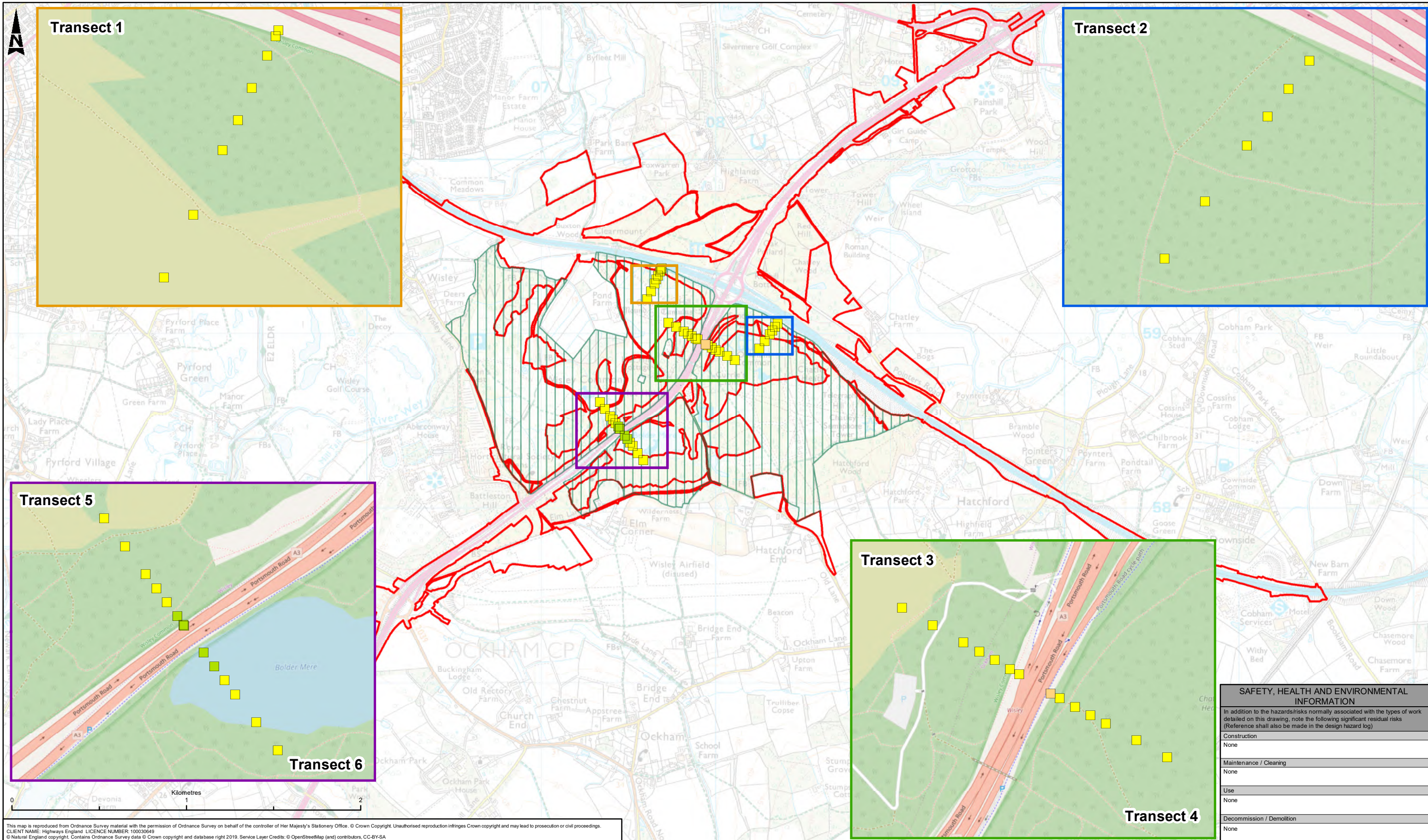
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| Project Title | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | | |
| Drawing Title | FIGURE 3 PHASE 1 HABITAT PLAN | | |
| Drawing Number | Project | Originator | Volume |
| | HE551522 - ATK - EGN | XX - GS - GI - 000007 | |
| Original Size: A3 | Scale: 1:7,500 | Project Ref. No: -- | Sheet: 1 of 1 Rev: C01 |

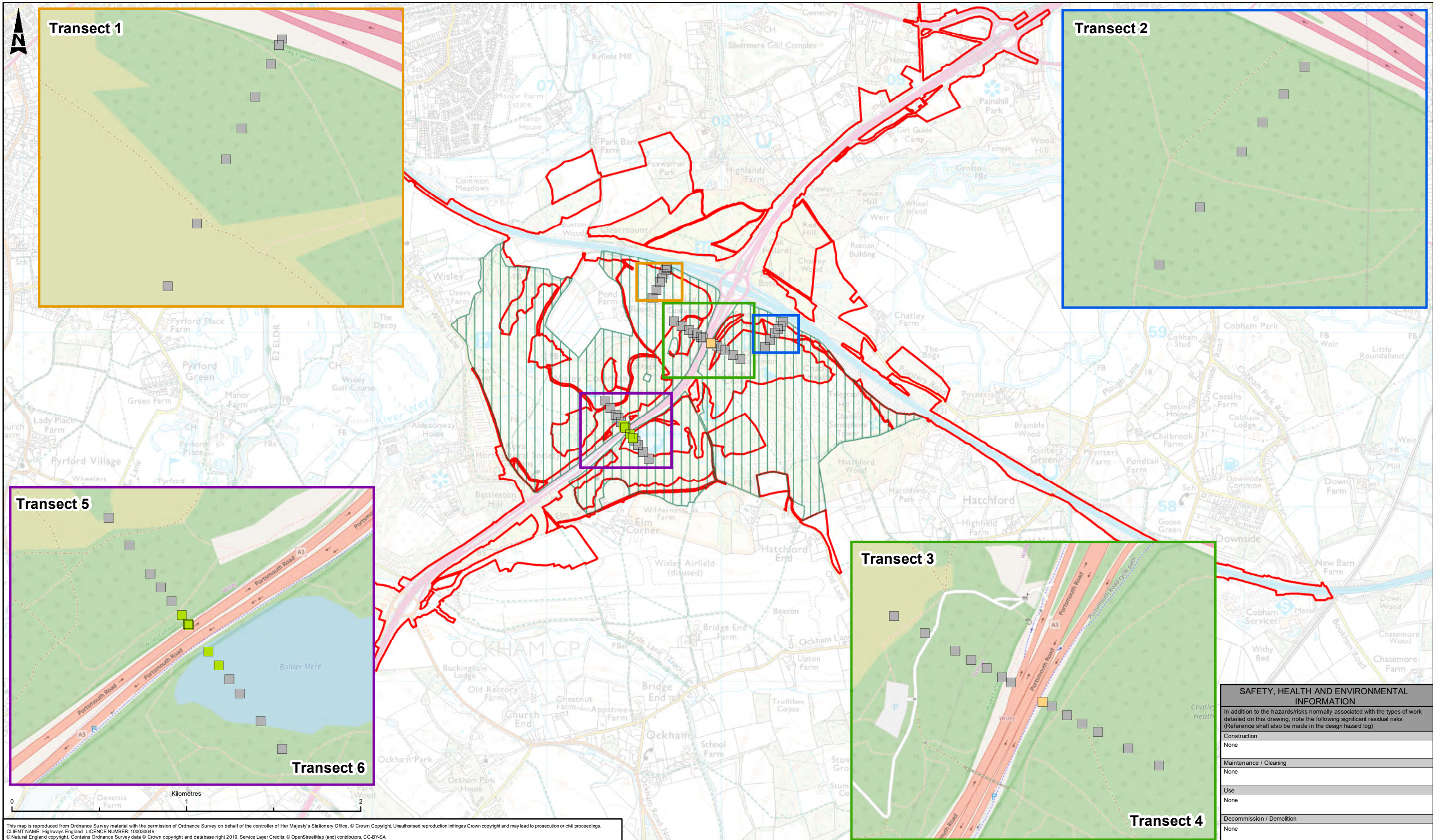


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| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | |
|---|-------------------------------|
| | DCO Boundary |
| | Special Protection Area (SPA) |
| Change in Nitrogen Deposition Rate (kg/ha/yr) | |
| | < -0.5 |
| | -0.5 to -0.25 |
| | -0.25 to -0.1 |
| | -0.1 to +0.1 |
| | +0.1 to +0.25 |
| | +0.25 to +0.5 |
| | > +0.5 |

| | | | | | | | |
|-------------|----------|--|---------|---------------------|------------|---|---|
| Description | | Drawing Suitability | | Status | | Project Title | |
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 |
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| Description | | Drawing Title | | Status | | Project Title | |
| PUBLISHED | | ESTIMATED CHANGES IN NITROGEN DEPOSITION RATES AS A RESULT OF THE SCHEME FOR THE YEAR OF OPENING, 2022 | | A1 | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Description | | Drawing Number | | Client | | Project Title | |
| PUBLISHED | | HE551522 - ATK - EGN XX - GS - GI - 000008 | | highways england | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Description | | Original Size | | Scale | | Project Ref. No. | |
| PUBLISHED | | A3 | | 1:20,000 | | --- | |
| Description | | Sheet | | Number | | Rev. | |
| PUBLISHED | | 1 of 1 | | C01 | | | |



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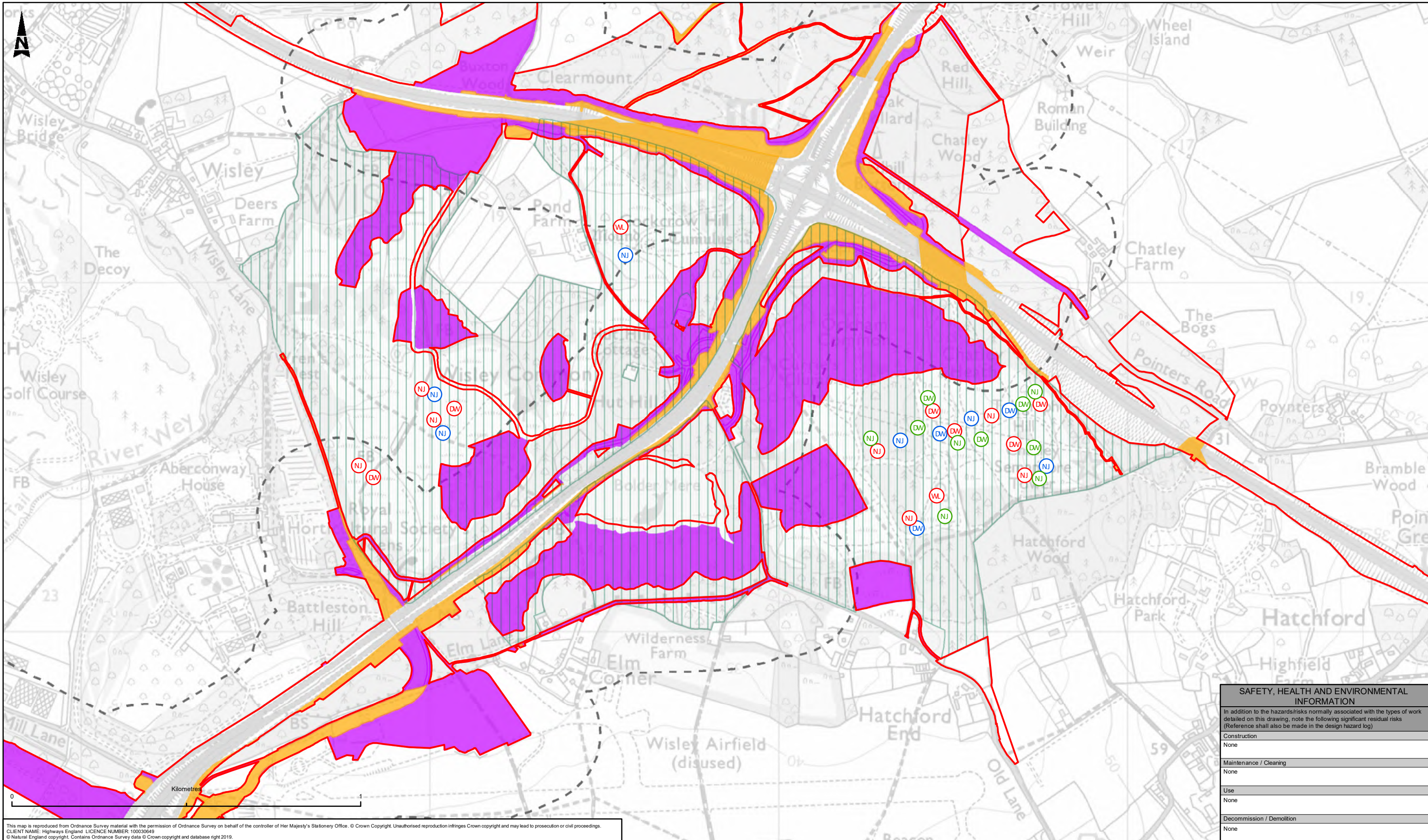
| LEGEND | |
|--------|---|
| | DCO Boundary |
| | Special Protection Area (SPA) |
| | Change as % of Critical Load (kg/ha/yr) |
| | < -5.0 |
| | -5.0 to -2.5 |
| | -2.5 to -1.0 |
| | -1.0 to +1.0 |
| | +1.0 to +2.5 |
| | +2.5 to +5.0 |
| | > +5.0 |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | C01 | FD | PW | NW | GB | 12/06/19 |

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|---|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |
| Project Title | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 |
| Drawing Title | FIGURE 5 ESTIMATED CHANGES IN NITROGEN DEPOSITION RATES AS PERCENTAGE OF CRITICAL LOAD AS A RESULT OF THE SCHEME FOR THE YEAR OF OPENING, 2022 |
| Project | HE551522 - ATK - EGN |
| Originator | XX - GS - GI - 000009 |
| Volume | |
| Location | |
| Type | |
| Role | |
| Sheet | 1 of 1 |
| Number | |
| Rev. | C01 |



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|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

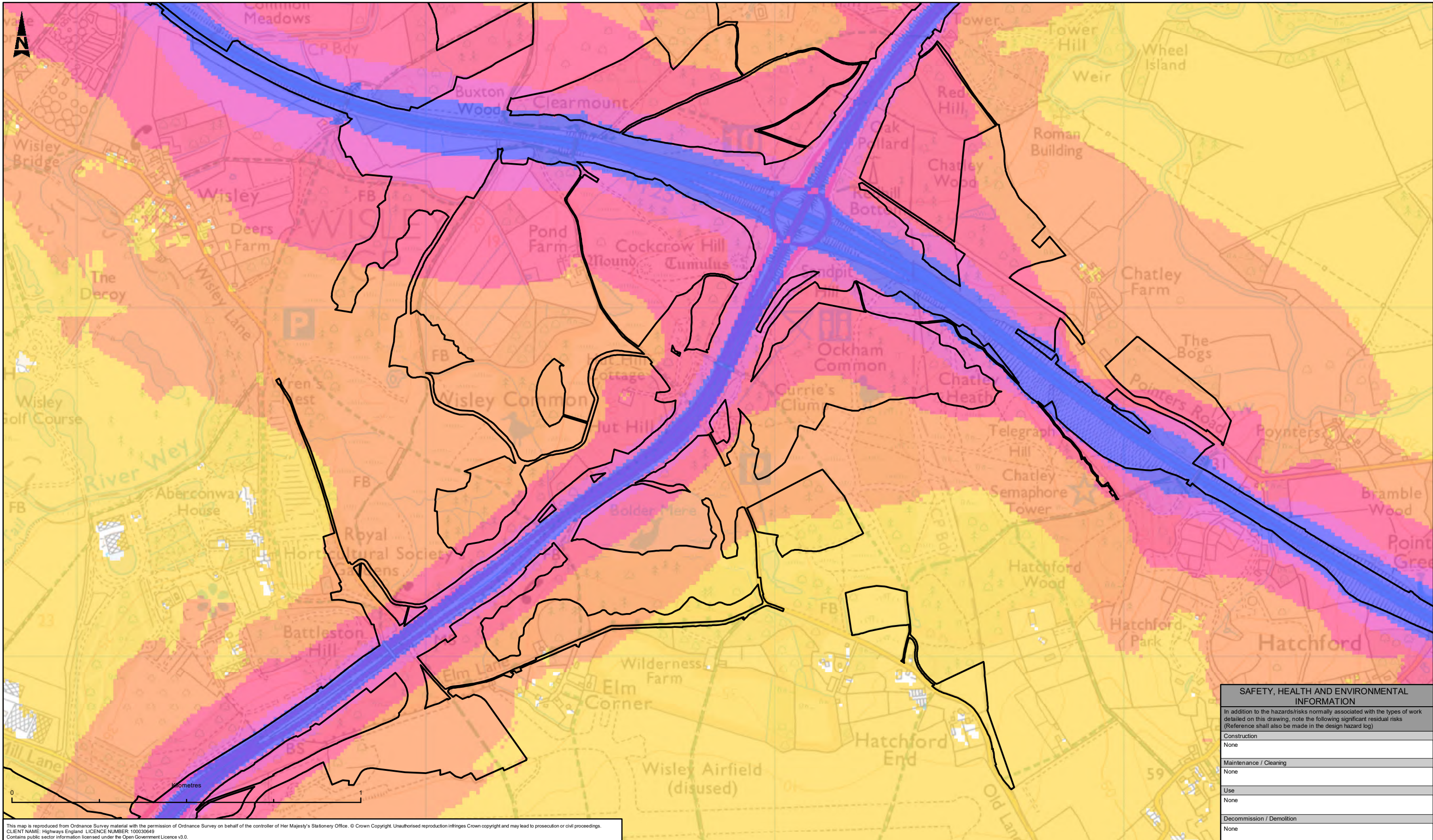
| LEGEND | |
|-----------------------------------|--------------------------------------|
| (DW) DW = Dartford warbler | DCO Boundary |
| (NJ) NJ = Nightjar | Special Protection Area (SPA) |
| (WL) WL = Woodlark | Permanent Land Take |
| Green = 2016 breeding territories | Temporary Land Take |
| Red = 2017 breeding territories | 200m buffer around construction area |
| Blue = 2018 breeding territories | |

| Description | | | | | | |
|-------------|----------|-------|---------|----------|------------|------------|
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
| PUBLISHED | | | | | | |

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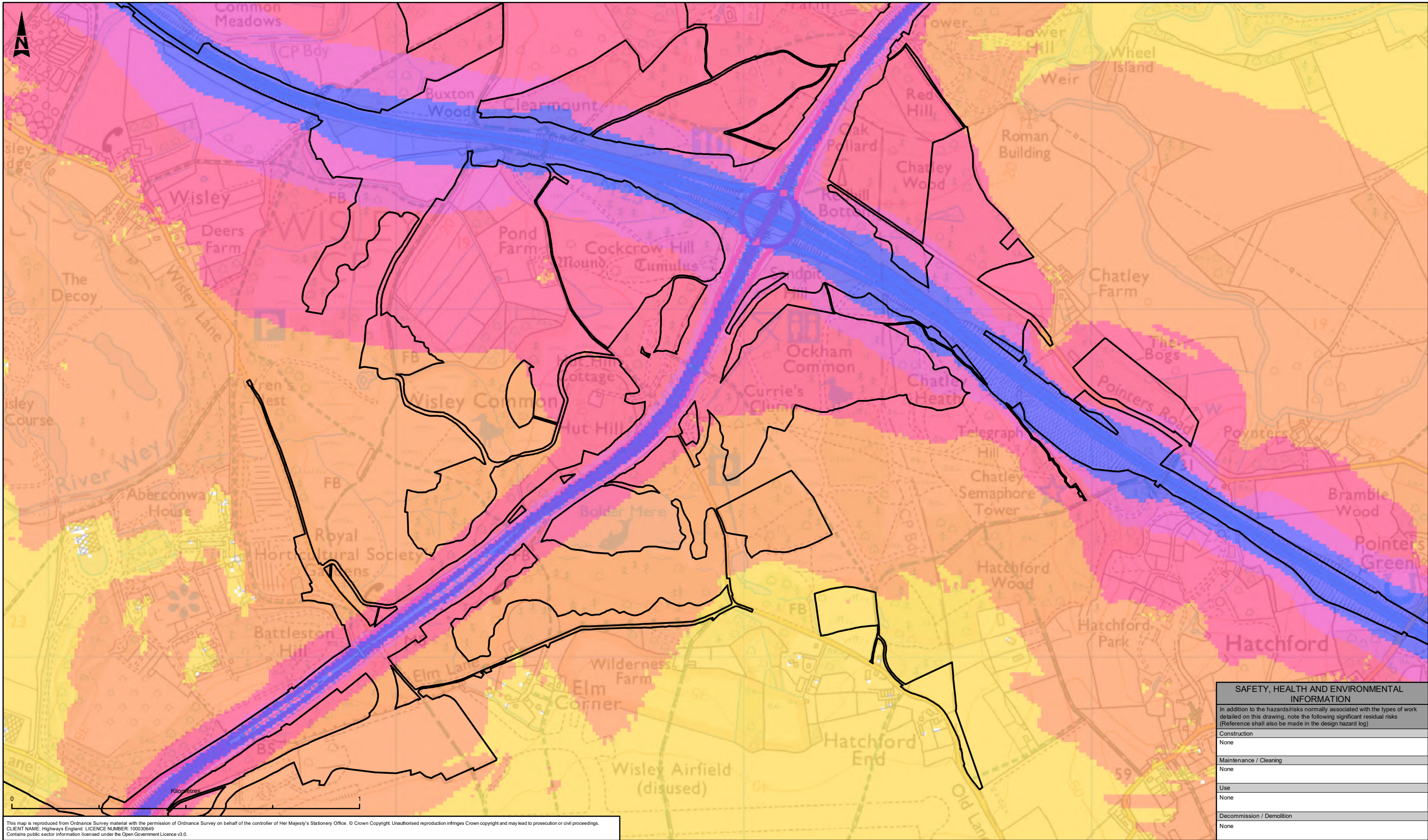
| | | | |
|-------------------|-----------------|--|------------------------|
| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 6 CONSTRUCTION NOISE DISTURBANCE: 200M BUFFER AROUND CONSTRUCTION AREA, AND SPA QUALIFYING FEATURES TERRITORY DISTRIBUTIONS | |
| Drawing Number | | HE551522 - ATK - EGN XX - GS - GI - 000010 | |
| Original Size: A3 | Scale: 1:10,000 | Project Ref. No: -- | Sheet: 1 of 1 Rev: C01 |



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|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| | | | |
|--|--|--|--|
| LEGEND DCO Boundary Road Noise LA_{eq}, 16hr (07:00-23:00) 55.0 - 59.9 dB 60.0 - 64.9 dB 65.0 - 69.9 dB 70.0 - 74.9 dB 75 dB or greater | Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED | Drawing Suitability PUBLISHED ATKINS Member of the SNC-Lavalin Group Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL Tel: +44 (0) 1372 726140 Fax: +44 (0) 1372 740055 Copyright © Atkins Limited (2019) www.atkinsglobal.com | Status A1 Project Title ROAD IMPROVEMENT PROGRAMME M25 Junction 10 Drawing Title FIGURE 7 EXISTING DAYTIME NOISE LEVELS (7.00 - 23.00) Drawing Number Project Originator Volume HE551522 - ATK - EGN XX - GS - GI - 000011 Original Size: A3 Scale: 1:10,000 Project Ref. No.: --- Sheet: 1 of 1 Rev: C01 |
| | | Client | |
| | Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED | Client | |
| | Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED | Client | |
| | Description Status Revision Drawn Checked Reviewed Authorised Issue Date PUBLISHED | Client | |



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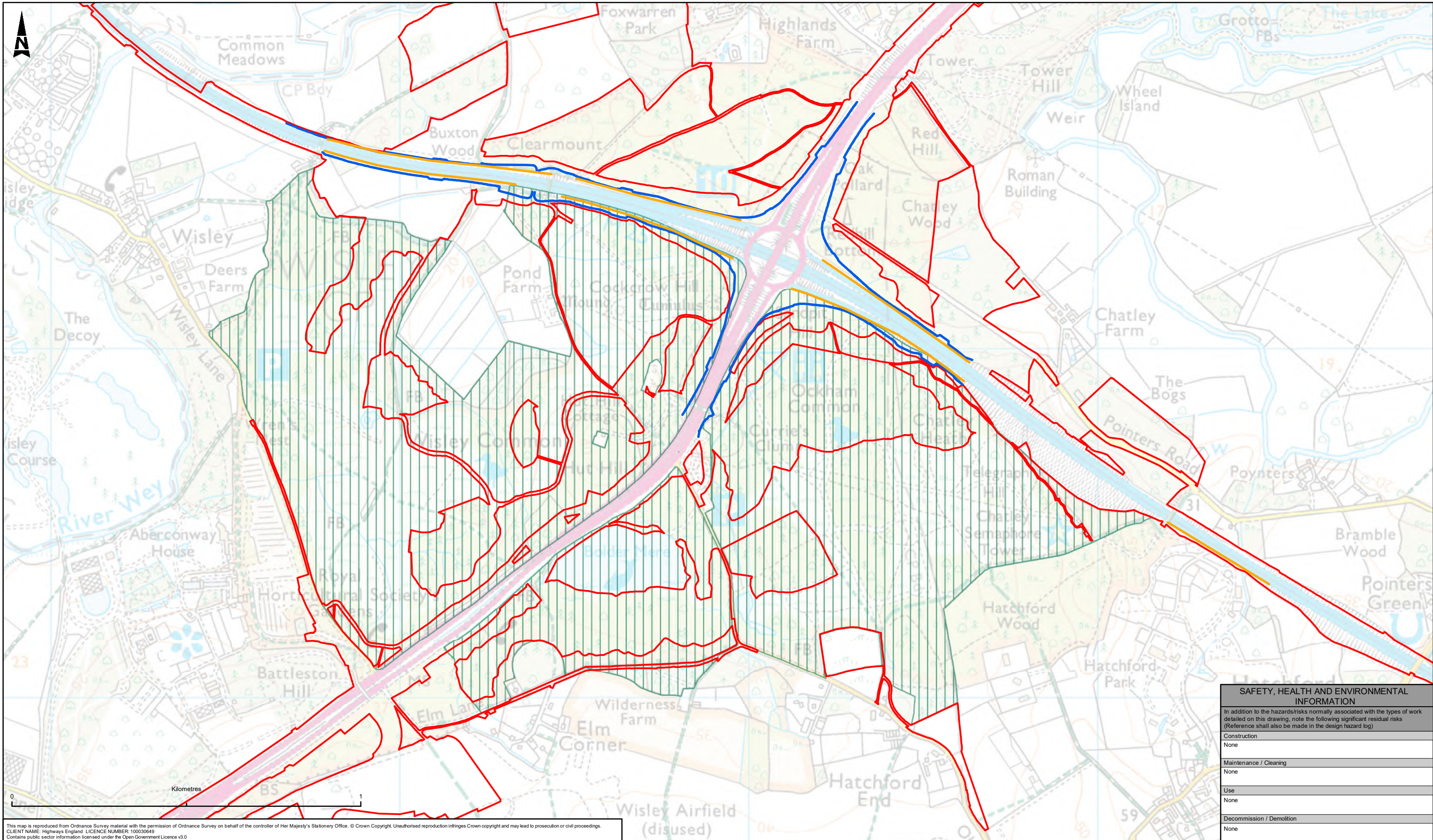
| LEGEND | |
|---|------------------|
| | DCO Boundary |
| Road Noise L_{night} (23:00-07:00) | |
| | 50.0 - 54.9 dB |
| | 55.0 - 59.9 dB |
| | 60.0 - 64.9 dB |
| | 65.0 - 69.9 dB |
| | 70 dB or greater |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | | FD | PW | NW | GB | 12/06/19 |

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|---|-----------------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |
| Project Title: ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title: FIGURE 8 EXISTING NIGHT TIME NOISE LEVELS (23.00 - 07.00) | |
| Drawing Number: Project HE551522 - ATK - EGN, Originator XX - GS - GI - 000012, Volume | |
| Original Size: A3 | Scale: 1:10,000 |
| Project Ref. No: -- | Sheet: 1 of 1 |
| Rev: C01 | |



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|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

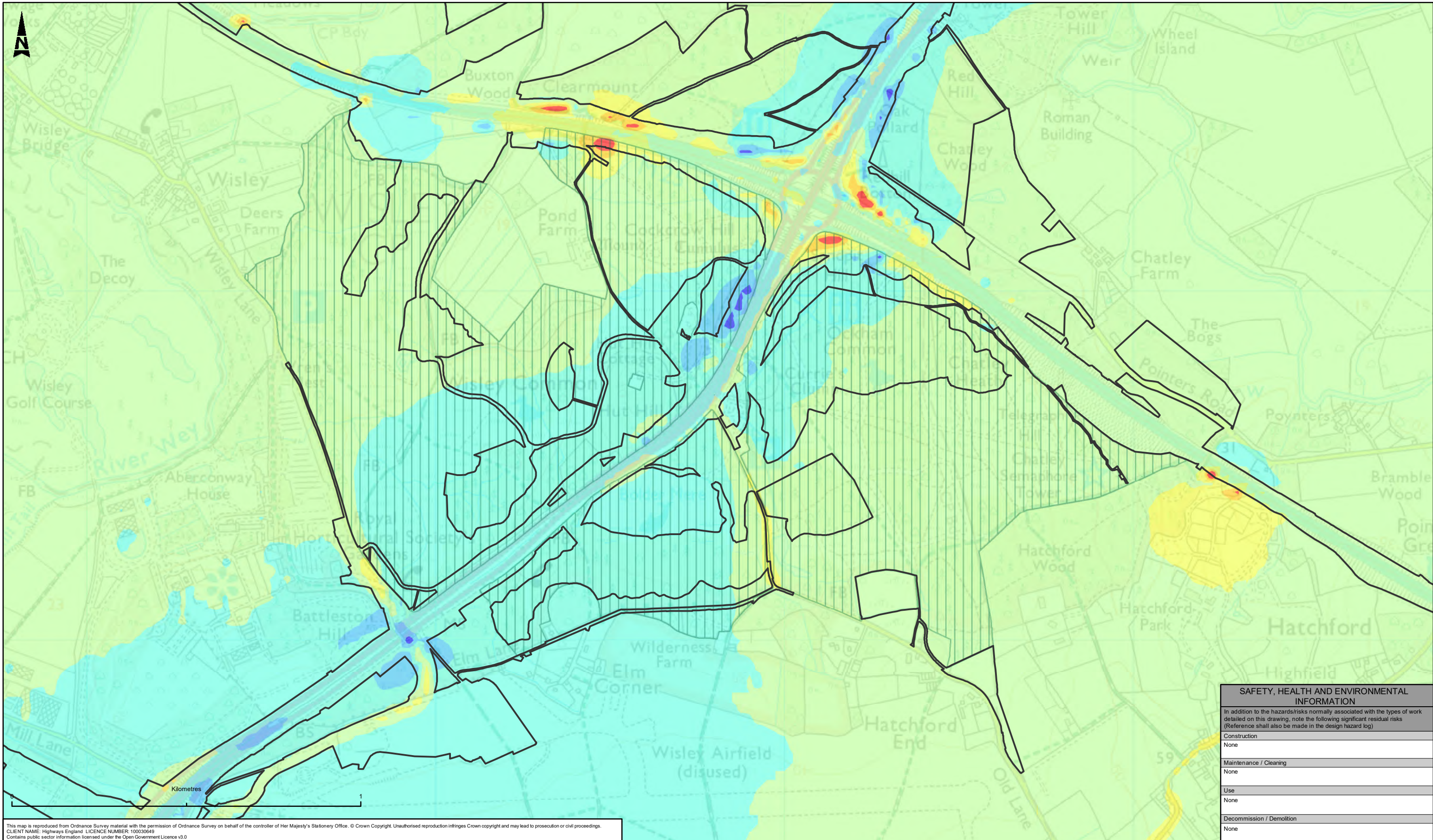
| LEGEND | | | | | | | |
|-------------------------------|-------------------------------|--|--|--|--|--|--|
| | DCO Boundary | | | | | | |
| | Special Protection Area (SPA) | | | | | | |
| Environmental Barriers | | | | | | | |
| | Existing | | | | | | |
| | Proposed | | | | | | |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | | FD | PW | NW | GB | 12/06/19 |

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| | | | | | | | |
|--|--|----------------------|--|-----------------------|--|--------|--|
| Project Title | | Project | | Originator | | Volume | |
| ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | | HE551522 - ATK - EGN | | XX - GS - GI - 000013 | | | |
| Drawing Title | | Location | | Type | | Role | |
| FIGURE 9 ENVIRONMENTAL NOISE BARRIER | | A3 | | 1:10,000 | | 1 of 1 | |
| Drawing Number | | Project Ref. No. | | Sheet | | Rev. | |
| | | --- | | 1 of 1 | | C01 | |



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| LEGEND | |
|-----------------------------------|-------------------------------|
| | DCO Boundary |
| | Special Protection Area (SPA) |
| Noise Level dB L _{night} | |
| | 5.0 to 10 dB |
| | 4.0 to 5.0 dB |
| | 3.0 to 4.0 dB |
| | 1.0 to 3.0 dB |
| | -1.0 to 1.0 dB |
| | -3.0 to -1.0 dB |
| | -5.0 to -3.0 dB |
| | -10 to -5.0 dB |
| | <-10.0 dB |

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | |
|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | | FD | PW | NW | GB | 12/06/19 |

Drawing Suitability: **PUBLISHED**

Status: **A1**

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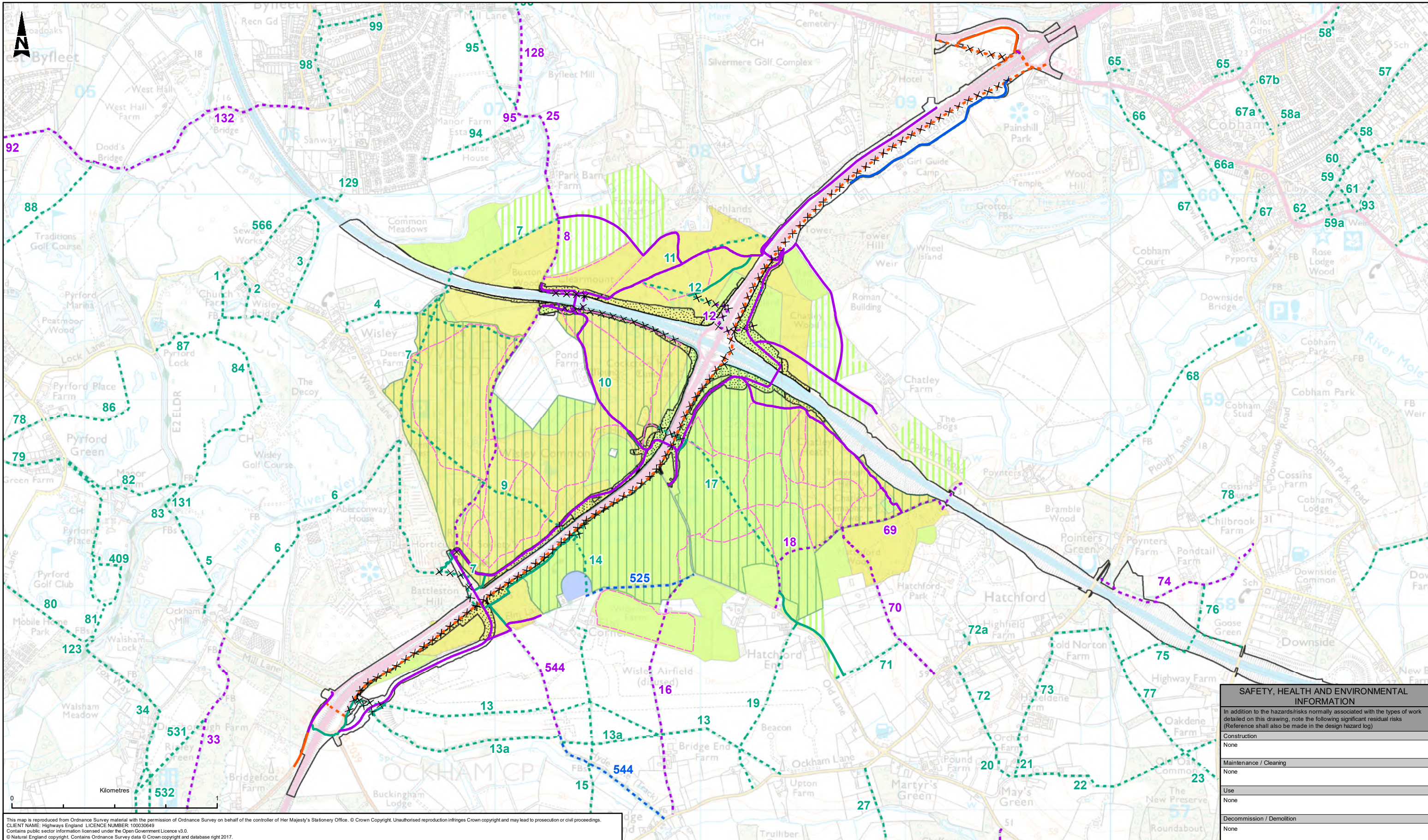
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| | | | |
|-------------------|-----------------|--|------------------------|
| Project Title | | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | |
| Drawing Title | | FIGURE 11 PREDICTED LONG TERM NIGHT TIME CHANGES IN ROAD TRAFFIC NOISE WITH THE SCHEME | |
| Drawing Number | | HE551522 - ATK - EGN XX - GS - GI - 000015 | |
| Original Size: A3 | Scale: 1:10,000 | Project Ref. No: -- | Sheet: 1 of 1 Rev: C01 |



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|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |

| LEGEND | |
|--------|---|
| | Registered Village Green |
| | Common Land |
| | Open Space |
| | Replacement Land |
| | Special Protection Area (SPA) |
| | Proposed Highway Boundary |
| | Areas of Registered Common Land/Open Access Land To Be Acquired |
| | Existing Byway Open to All Traffic (BOAT) |
| | Existing Public Bridleway |
| | Existing Public Footpath |
| | Existing Footpath / Cycleway |
| | Existing Signposted Equestrian Route |
| | Existing PRoW to be stopped up |
| | Proposed Restricted Byway |
| | Proposed Public Bridleway |
| | Proposed Public Footpath |
| | Proposed Footpath / Cycleway |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | C01 | KV | PW | NW | GB | 12/06/19 |

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| | | | |
|-------------------|--|-----------------------|------------------------|
| Project Title | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 | | |
| Drawing Title | FIGURE 12 PROPOSED PUBLIC ACCESS AND RIGHTS OF WAY | | |
| Drawing Number | Project | Originator | Volume |
| | HE551522 - ATK - EGN | XX - GS - GI - 000016 | |
| Original Size: A3 | Scale: 1:17,000 | Project Ref. No: -- | Sheet: 1 of 1 Rev: C01 |

DO NOT SCALE


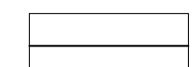
Millimetres

NOTES

1. ALL DIMENSION ARE IN METRES UNLESS OTHERWISE STATED..
2. THE DRAWING HAS TO BE READ IN CONJUNCTION WITH ENGINEERING GENERAL ARRANGEMENT DRAWING HE543917-ATK-HGN-XX-DR-CH-000200 TO HE543917-ATK-HGN-XX-DR-CH-000216.
3. THE DRAWING HAS TO BE READ IN CONJUNCTION WITH PRELIMINARY DRAINAGE DRAWING HE543917-ATK-HDG-XX-DR-CD-000200 TO HE543917-ATK-HDG-XX-DR-CD-000216.
4. TOPOGRAPHIC SURVEY USED FOR THE ENGINEERING DESIGN IS BASED ON:
 - AERIAL PHOTOMAP, WITHIN THE SCHEME CORRIDOR
 - ORDNANCE SURVEY, OUTSIDE THE SCHEME CORRIDOR
5. DCO AND LAND PARCEL BOUNDARIES ARE BASED ON ORDNANCE SURVEY MAPS.
6. ONLY SHEETS 2,3,8 AND 9 SHOW RELEVANT INFORMATION AND ARE INCLUDED IN THIS SET.

KEY




GENERAL

-  DCO BOUNDARY
-  CONTOUR 5 m



PROPOSED ENVIRONMENTAL KEY

-  SPA COMPENSATION LAND
-  SPA ENHANCEMENT AREA
-  REPLACEMENT LAND (NON SPA)
-  WOODLAND THINNING
-  WOODLAND CLEARANCE
-  LOW DENSITY TREE PLANTING
-  PROPOSED TREE AND SHRUB PLANTING
-  PROPOSED WOOD PASTURE PLANTING
-  PROPOSED SCRUB PLANTING
-  PROPOSED HEATHLAND ESTABLISHMENT
-  OPEN GRASSLAND
-  RESTORATION OF CONSTRUCTION COMPOUNDS
-  PROPOSED MARGINAL AND EMERGENT PLANTING
-  MANAGEMENT OF EXISTING VEGETATION AROUND BOLDER MERE TO ENHANCE BIODIVERSITY
-  MANAGEMENT OF GRASSLAND TO ENHANCE BIODIVERSITY
-  MANAGEMENT OF EXISTING WOODLAND TO ENHANCE BIODIVERSITY AND ACCESS
-  PROPOSED ENVIRONMENTAL BARRIERS (SUBJECT TO NOISE ASSESSMENT)




EXISTING ENVIRONMENTAL KEY

-  EXISTING WOODLAND AND TREES (TO BE LARGELY RETAINED IF SHOWN WITHIN DCO BOUNDARY)
-  EXISTING WATERBODIES
-  EXISTING BUILDINGS





HIGHWAYS

-  PROPOSED HIGHWAY BOUNDARY
-  EXISTING HIGHWAY BOUNDARY

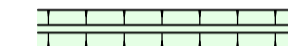
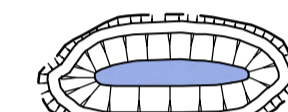



TECHNOLOGY

-  EXISTING GANTRY TO BE REMOVED
-  EXISTING GANTRY TO BE RETAINED
-  PROPOSED GANTRY

STRUCTURES

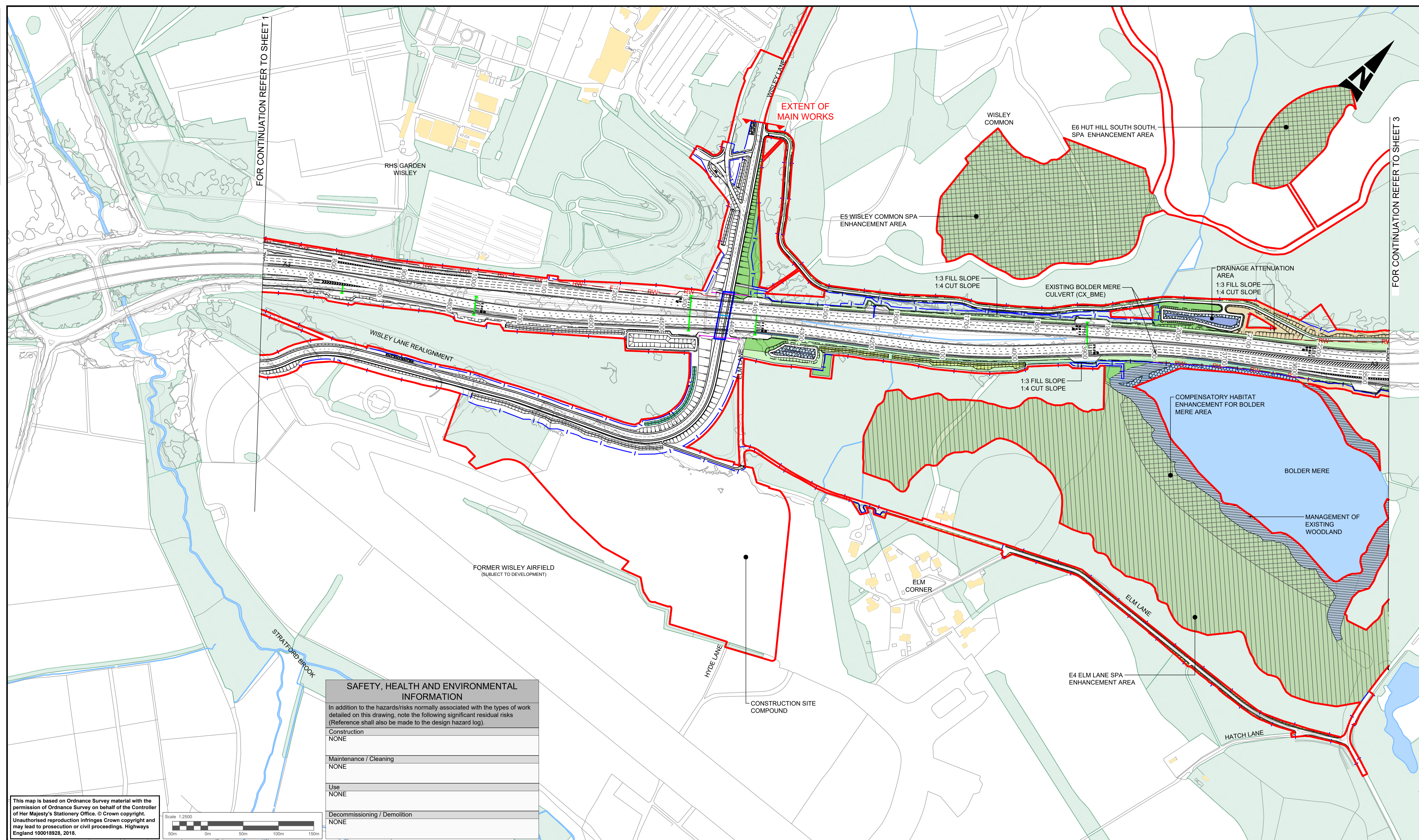
-  PROPOSED RETAINING WALL
-  PROPOSED WING WALL / REINFORCED EARTH WALL
-  PROPOSED WING WALL / REINFORCED EARTH WALL
-  PROPOSED ABUTMENT WALL / PIERS

DRAINAGE

-  PROPOSED PRE EARTHWORK DITCH
-  PROPOSED POND (INDICATIVE)
-  PROPOSED CULVERT
-  PROPOSED SOAKAWAY
-  PROPOSED SOAKAWAY INFILTRATION TRENCH

| | | | | | | | |
|------------------------------|--|-----------------------------------|--|---------------------------------------|--|---|--|
| Description | | Drawing Suitability | | Status | | Project Title | |
| INITIAL NON-CONTRACTUAL CODE | | S0 | | M25 junction 10/A3 Wisley interchange | | | |
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| Description | | highways england | | Drawing Number | | HE551522 - ATK - ELS - | |
| Description | | Project | | Type | | XX_ML - DR - LE - 001000 | |
| Description | | Location | | Role | | 1 of 1 | |
| Status | | Revision | | Drawn | | Checked | |
| S0 | | P01.1 | | --- | | --- | |
| Reviewed | | Authorised | | Issue Date | | | |
| --- | | --- | | --- | | | |
| Original Size | | Scale | | Project Ref. No. | | Sheet | |
| A1 | | AS SHOWN | | 5158141 | | 1 of 1 | |
| | | | | | | Rev. P01.1 | |

DO NOT SCALE
 Millimetres
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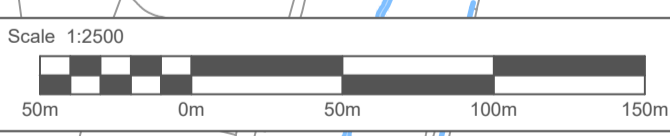


FOR CONTINUATION REFER TO SHEET 1

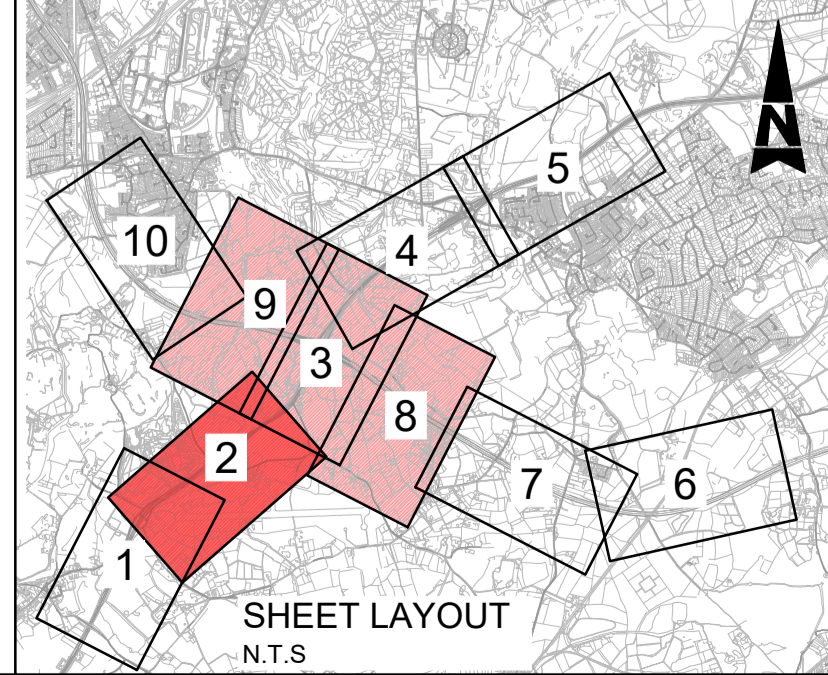
FOR CONTINUATION REFER TO SHEET 3

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | |
|--|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | NONE |
| Maintenance / Cleaning | NONE |
| Use | NONE |
| Decommissioning / Demolition | NONE |

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NOTES
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|-------------|--------|----------------|-------|---------|----------|------------|------------|
| Description | | | | | | | |
| Description | | | | | | | |
| Description | | | | | | | |
| Description | | | | | | | |
| Description | | | | | | | |
| Description | S0 | Revision P01.1 | --- | --- | --- | --- | --- |

Drawing Suitability: **INITIAL NON-CONTRACTUAL CODE** Status: **S0**

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Client: **Working on behalf of highways england**

Project Title: **M25 Junction 10/A3 Wisley Interchange**

Drawing Title: **FIGURE 13 SPA COMPENSATION, SPA ENHANCEMENT AND REPLACEMENT LAND PROPOSALS**

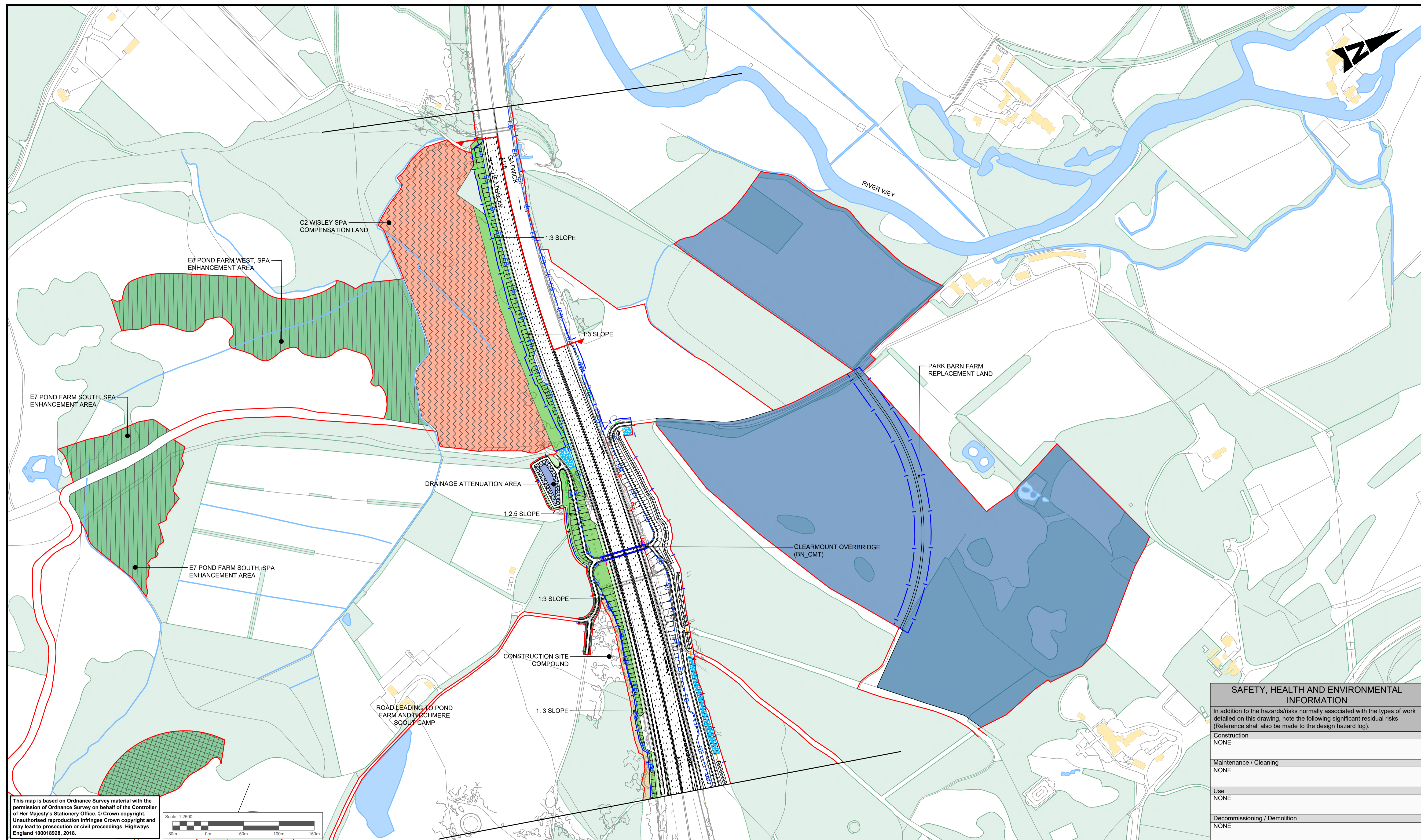
Drawing Number: **HE551522 - ATK - ELS - XX_ML - DR - LE - 001002**

Original Size: **A1** Scale: 1:2500 Project Ref. No: 5158141 Sheet: 2 of 10 Rev: **P01.1**

DO NOT SCALE

Millimetres

0 10 100

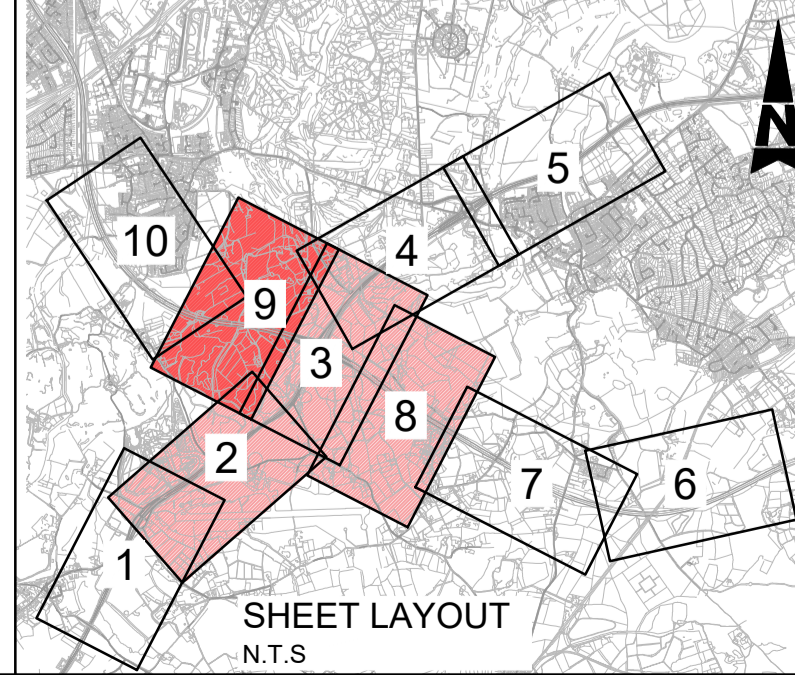


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|--|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | NONE |
| Maintenance / Cleaning | NONE |
| Use | NONE |
| Decommissioning / Demolition | NONE |

NOTES
1. FOR GENERAL NOTES AND KEYS REFER TO HE551522-ATK-ELS-XX_ML-DR-LE-000013



| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------------|-----------|-------------|--------------|----------------|----------------|
| Description | | | | | | | |
| Description | | | | | | | |
| Description | | | | | | | |
| Description | | | | | | | |
| Description | S0 | Revision P01.1 | Drawn --- | Checked --- | Reviewed --- | Authorised --- | Issue Date --- |

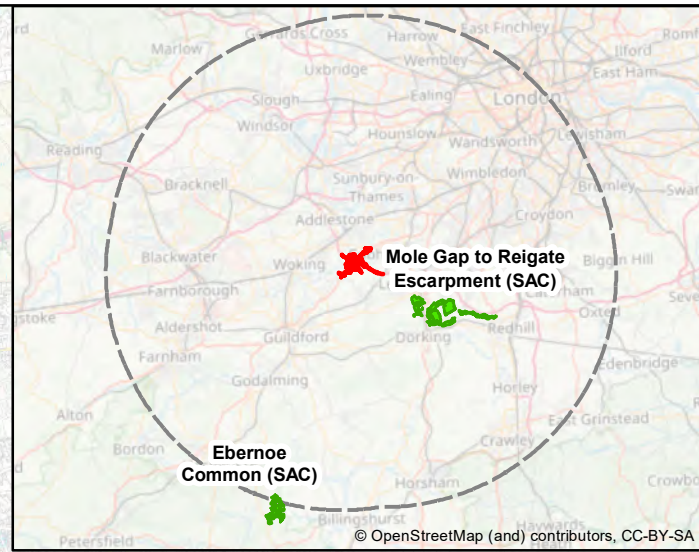
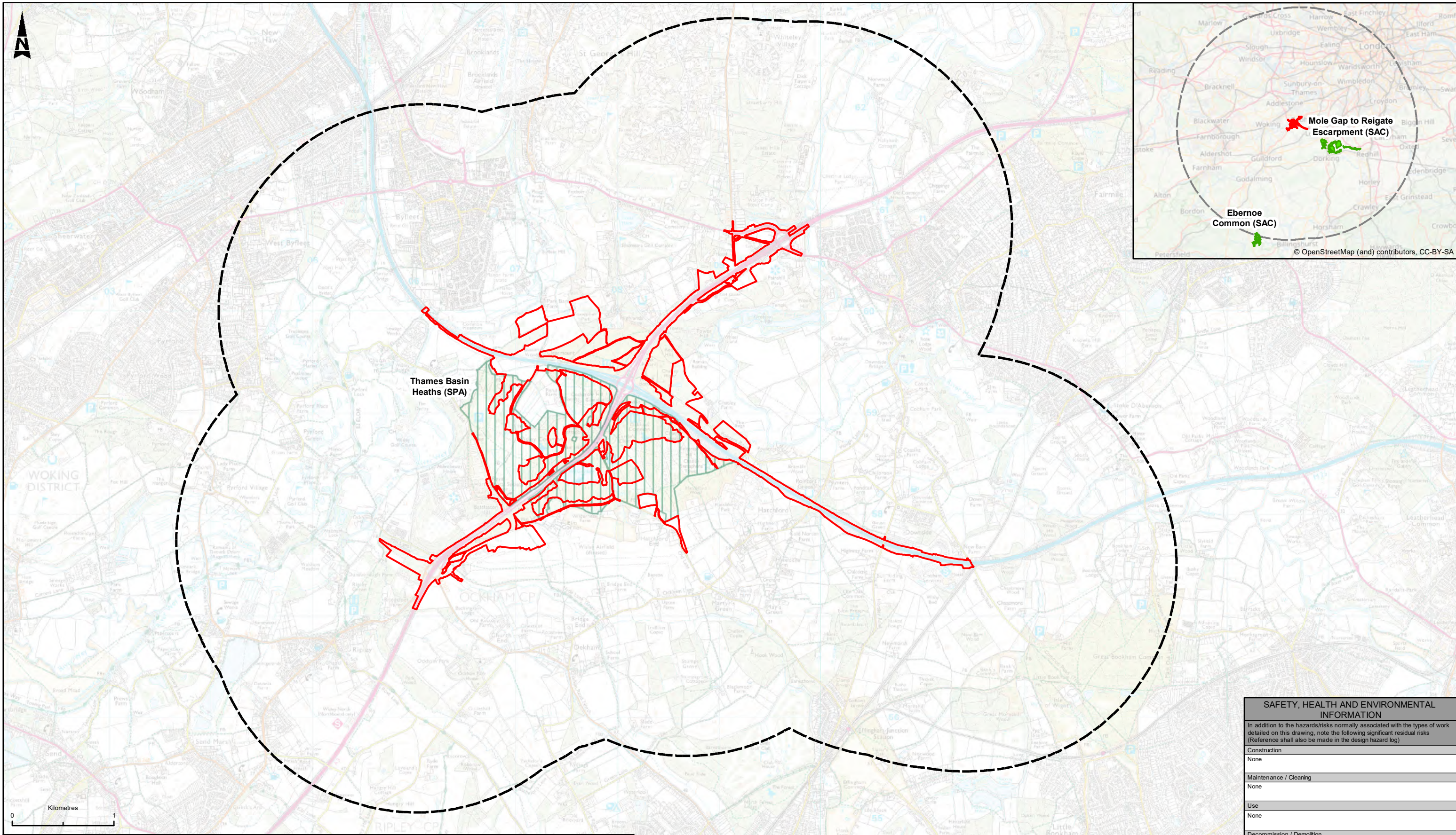
Drawing Suitability: INITIAL NON-CONTRACTUAL CODE
Status: S0

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| | | | |
|------------------|--|------------|---------|
| Project Title | M25 Junction 10/A3 Wisley Interchange | | |
| Drawing Title | FIGURE 13 SPA COMPENSATION, SPA ENHANCEMENT AND REPLACEMENT LAND PROPOSALS | | |
| Drawing Number | HE551522 | Originator | ATK |
| Project | XX_ML | Volume | ELS |
| Location | | Type | DR |
| Original Size | A1 | Role | LE |
| Scale | 1:2500 | Number | 001009 |
| Project Ref. No. | 5158141 | Sheet | 9 of 10 |
| Rev. | | Rev. | P01.1 |



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| LEGEND | |
|--------|--|
| | DCO Boundary |
| | 2km Search Area for European Sites |
| | 30km Search Area for Special Areas of Conservation (SACs) with Bats as a Qualifying Figure |
| | Special Protection Area (SPA) |
| | Special Area of Conservation (SAC) |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED | A1 | | | | | | |

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| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | |
|---|---|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) | |
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommission / Demolition | None |
| Project Title | ROAD IMPROVEMENT PROGRAMME M25 Junction 10 |
| Drawing Title | FIGURE 14 EUROPEAN SITES WITHIN THE ECOLOGICAL ZONE OF INFLUENCE (Ezoi) |
| Drawing Number | Project: HE551522 - ATK - EGN Originator: XX - GS - GI - 000017 Volume: --- |
| Original Size: A3 | Scale: 1:35,000 Project Ref. No: --- Sheet: 1 of 1 Rev: C01 |

DO NOT SCALE

Millimetres

NOTES

- ALL DIMENSION ARE IN METRES UNLESS OTHERWISE STATED.
- THE DRAWING HAS TO BE READ IN CONJUNCTION WITH ENGINEERING GENERAL ARRANGEMENT DRAWING HE543917-ATK-HGN-XX-DR-CH-000200 TO HE543917-ATK-HGN-XX-DR-CH-000216.
- THE DRAWING HAS TO BE READ IN CONJUNCTION WITH PRELIMINARY DRAINAGE DRAWING HE543917-ATK-HDG-XX-DR-CD-000200 TO HE543917-ATK-HDG-XX-DR-CD-000216.
- TOPOGRAPHIC SURVEY USED FOR THE ENGINEERING DESIGN IS BASED ON:
 - AERIAL PHOTOMAP, WITHIN THE SCHEME CORRIDOR
 - ORDNANCE SURVEY, OUTSIDE THE SCHEME CORRIDOR
- DCO AND LAND PARCEL BOUNDARIES ARE BASED ON ORDNANCE SURVEY MAPS.
- ONLY SHEETS 2,3,8 AND 9 SHOW RELEVANT INFORMATION AND ARE INCLUDED IN THIS SET.

KEY

GENERAL

- DCO BOUNDARY
- CONTOUR 5 m

PROPOSED ENVIRONMENTAL KEY

- POTENTIAL SPA COMPENSATION LAND NOT INCLUDED IN THE FINAL COMPENSATION PACKAGE.
- POND FARM AREA - REJECTED AS POTENTIAL SPA COMPENSATION
- SPA COMPENSATION LAND IN THE FINAL COMPENSATION PACKAGE
- PROPOSED NATIVE SPECIES TREES AND SHRUB PLANTING
- WOODLAND THINNING
- WOODLAND CLEARANCE
- LOW DENSITY TREE PLANTING
- PROPOSED TREE AND SHRUB PLANTING
- PROPOSED WOOD PASTURE PLANTING
- PROPOSED SCRUB PLANTING
- PROPOSED HEATHLAND ESTABLISHMENT
- OPEN GRASSLAND
- RESTORATION OF CONSTRUCTION COMPOUNDS
- PROPOSED MARGINAL AND EMERGENT PLANTING
- MANAGEMENT OF EXISTING VEGETATION AROUND BOLDER MERE TO ENHANCE BIODIVERSITY
- MANAGEMENT OF GRASSLAND TO ENHANCE BIODIVERSITY
- MANAGEMENT OF EXISTING WOODLAND TO ENHANCE BIODIVERSITY AND ACCESS
- PROPOSED ENVIRONMENTAL BARRIERS (SUBJECT TO NOISE ASSESSMENT)

EXISTING ENVIRONMENTAL KEY

- EXISTING WOODLAND AND TREES (TO BE LARGELY RETAINED IF SHOWN WITHIN DCO BOUNDARY)
- EXISTING WATERBODIES
- EXISTING BUILDINGS

HIGHWAYS

- PROPOSED HIGHWAY BOUNDARY
- EXISTING HIGHWAY BOUNDARY

TECHNOLOGY

- EXISTING GANTRY TO BE REMOVED
- EXISTING GANTRY TO BE RETAINED
- PROPOSED GANTRY

STRUCTURES

- PROPOSED RETAINING WALL
- PROPOSED WING WALL / REINFORCED EARTH WALL
- PROPOSED WING WALL / REINFORCED EARTH WALL
- PROPOSED ABUTMENT WALL / PIERS

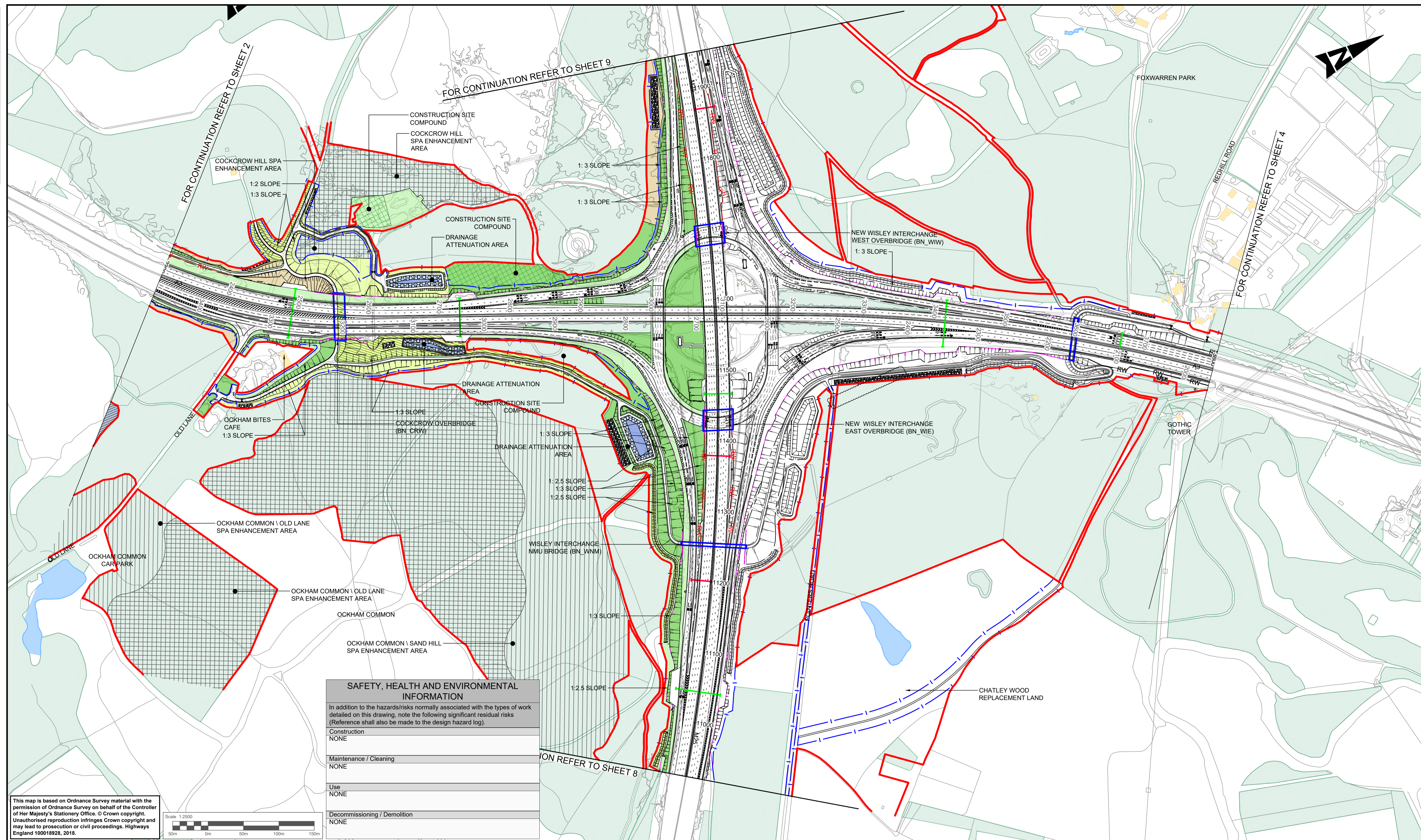
DRAINAGE

- PROPOSED PRE EARTHWORK DITCH
- PROPOSED POND (INDICATIVE)
- PROPOSED CULVERT
- PROPOSED SOAKAWAY
- PROPOSED SOAKAWAY INFILTRATION TRENCH

| | | | | | | | | | | | |
|-------------|----------|-------|---------|----------|------------|------------|---|--|---|--------|-------|
| Description | | | | | | | Drawing Suitability | Status | Project Title | | |
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | WORK IN PROGRESS | S0 | M25 junction 10/A3 Wisley interchange | | |
| Description | | | | | | | Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL Tel: +44 (0)1372 726140 Fax: +44 (0)1372 740055 www.atkinsglobal.com | | Drawing Title | | |
| Description | | | | | | | Copyright © Atkins Limited (2018) | | FIGURE 15 SPA COMPENSATION PACKAGE: OPTION SELECTION KEYS AND NOTES | | |
| Description | | | | | | | Client | Drawing Number Project HE551522 - ATK - ELS - XX_ML - DR - LE - 002000 | | | |
| Description | | | | | | | Working on behalf of | | Location | | |
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | Original Size | Scale | Project Ref. No. | Sheet | Rev |
| S0 | P01.1 | --- | --- | --- | --- | --- | A1 | 1:1250 | 5158141 | 1 of 1 | P01.1 |

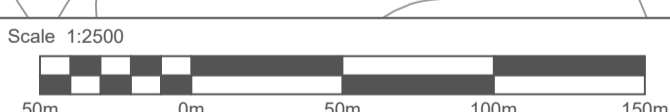
DO NOT SCALE

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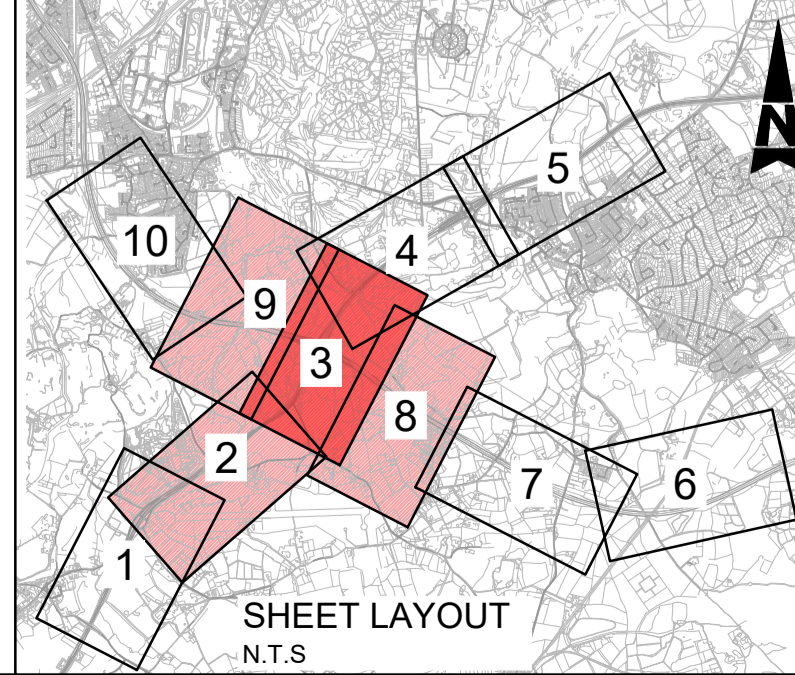


| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION | |
|--|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | NONE |
| Maintenance / Cleaning | NONE |
| Use | NONE |
| Decommissioning / Demolition | NONE |

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NOTES
1. FOR GENERAL NOTES AND KEYS REFER TO HE551522-ATK-ELS-XX_ML-DR-LE-000013



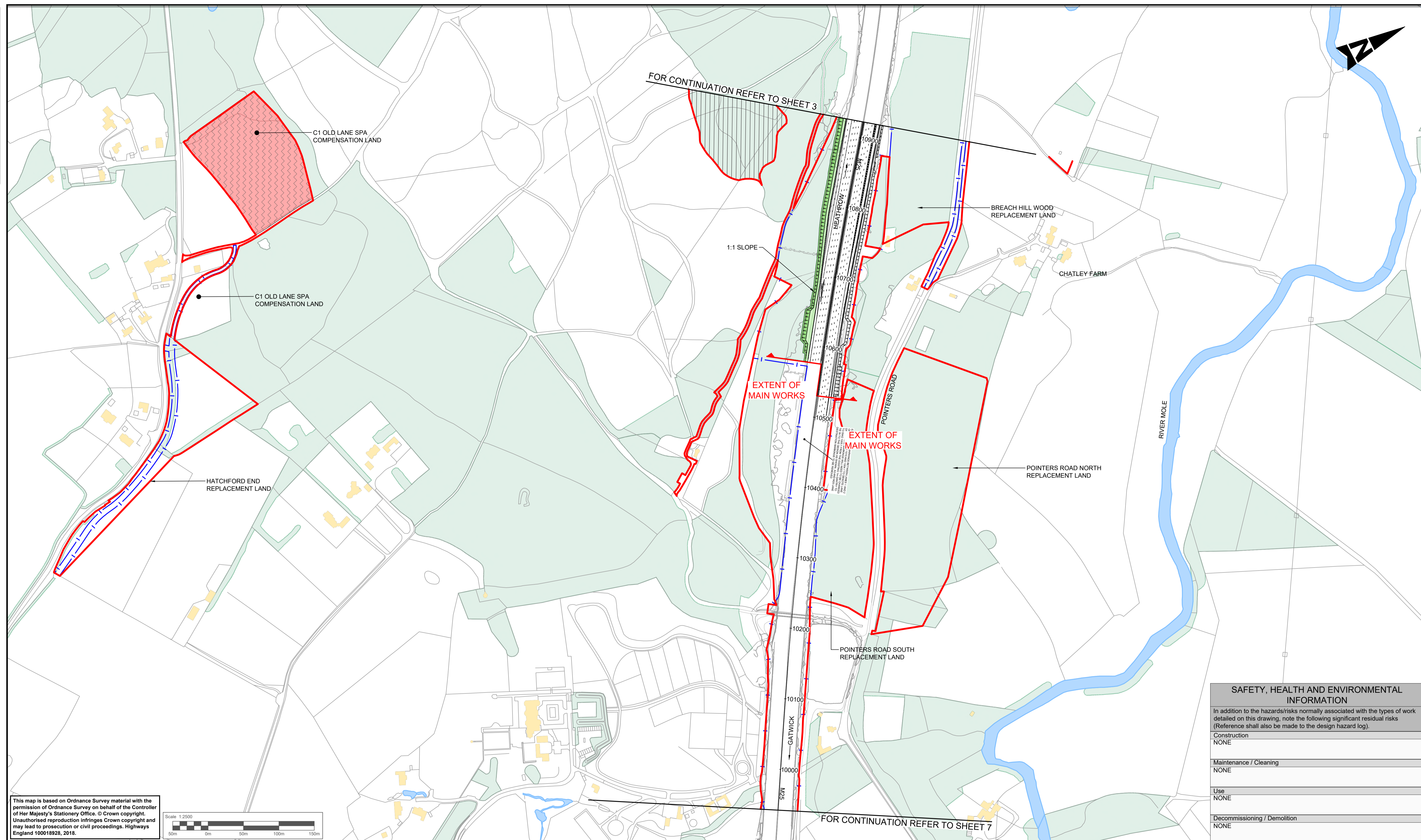
| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------------|-----------|-------------|--------------|----------------|----------------|
| Description | | | | | | | |
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| Description | | | | | | | |
| Description | S0 | Revision P01.1 | Drawn --- | Checked --- | Reviewed --- | Authorised --- | Issue Date --- |

| | | | | | |
|-----------------------------------|------------------|--------|----|--|---------------------------------------|
| Drawing Suitability | WORK IN PROGRESS | Status | S0 | Project Title | M25 junction 10/A3 Wisley interchange |
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| Copyright © Atkins Limited (2018) | | | | Drawing Number Project HE551522 - ATK - ELS - XX_ML - DR - LE - 002003 Location Original Size: A1 Scale: 1:2500 Project Ref. No. 5158141 Sheet: 3 of 10 Rev: P01.1 | |

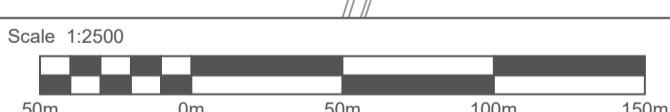
DO NOT SCALE

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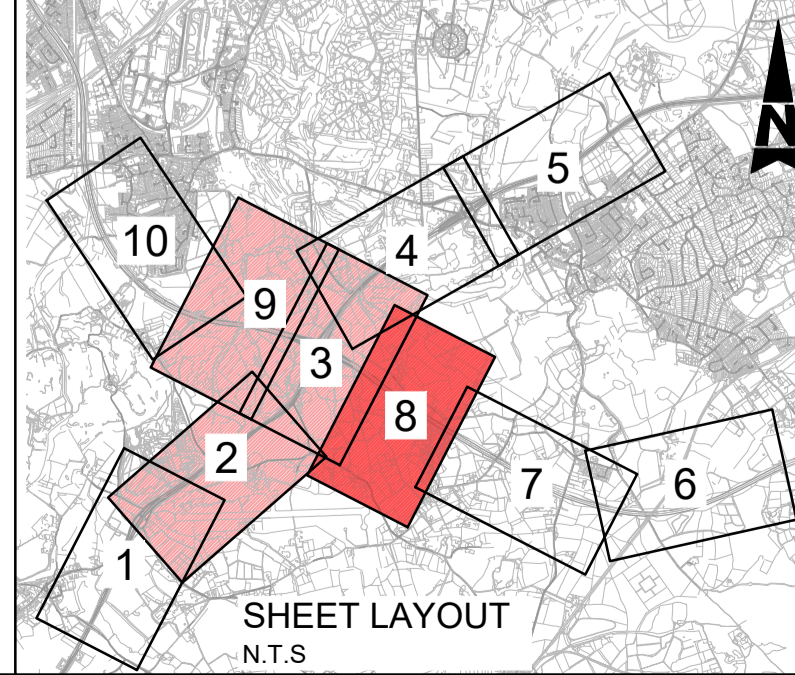


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|--|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | NONE |
| Maintenance / Cleaning | NONE |
| Use | NONE |
| Decommissioning / Demolition | NONE |

NOTES
1. FOR GENERAL NOTES AND KEYS REFER TO HE551522-ATK-ELS-XX_ML-DR-LE-000013



| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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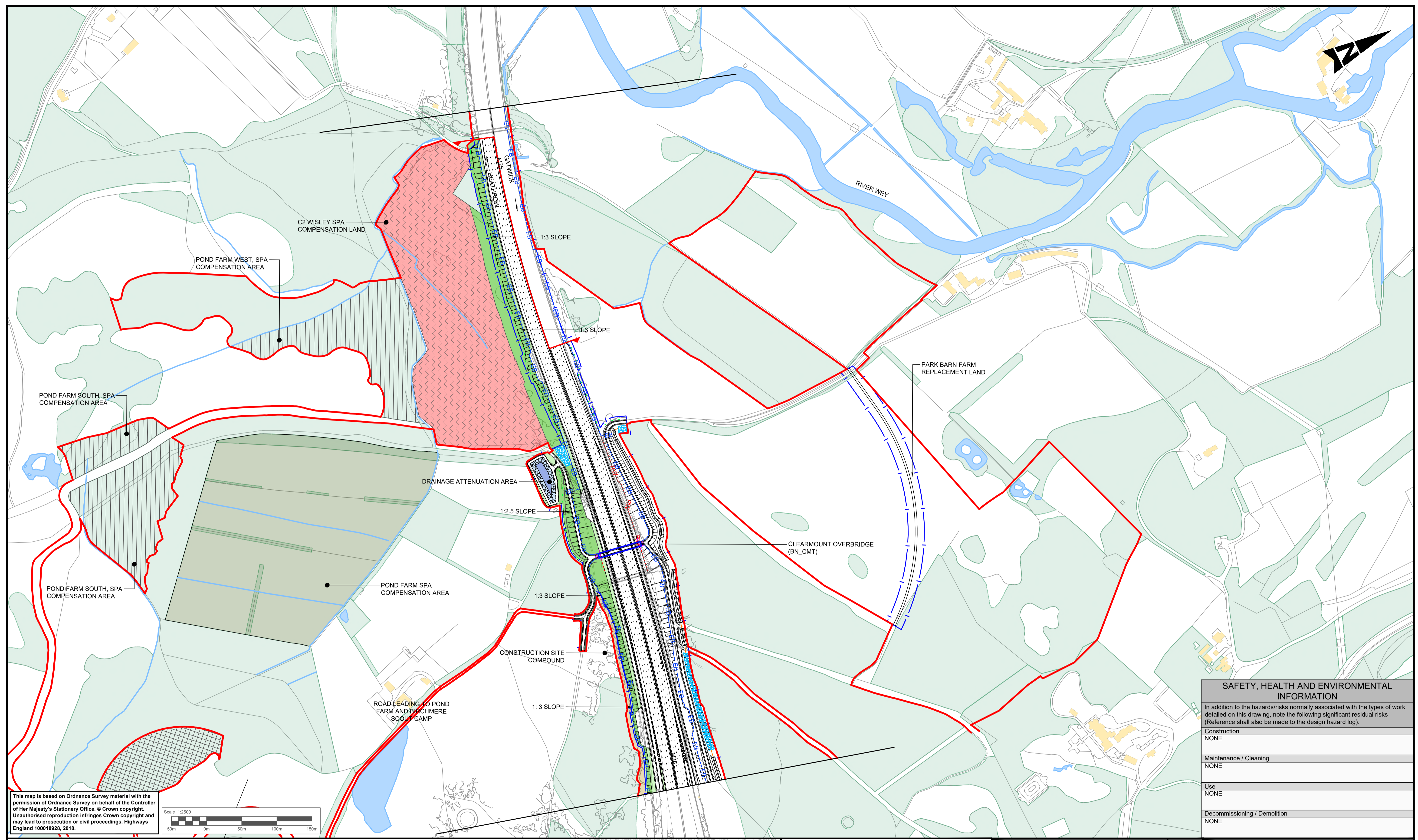
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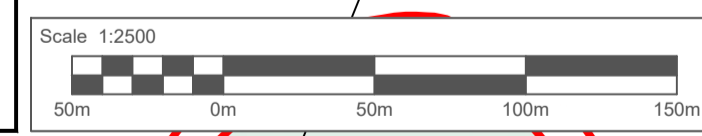
| | |
|---|---|
| Project Title: M25 junction 10/A3 Wisley interchange | |
| Drawing Title: FIGURE 13 SPA COMPENSATION, SPA ENHANCEMENT AND REPLACEMENT LAND PROPOSALS | |
| Drawing Number: HE551522 - ATK - ELS - XX_ML - DR - LE - 002008 | Originator: ATK Volume: ELS |
| Location: XX_ML | Type: DR Role: LE Number: 002008 |
| Original Size: A1 Scale: 1:2500 Project Ref. No.: 5158141 Sheet: 2 of 3 Rev: P01.1 | |

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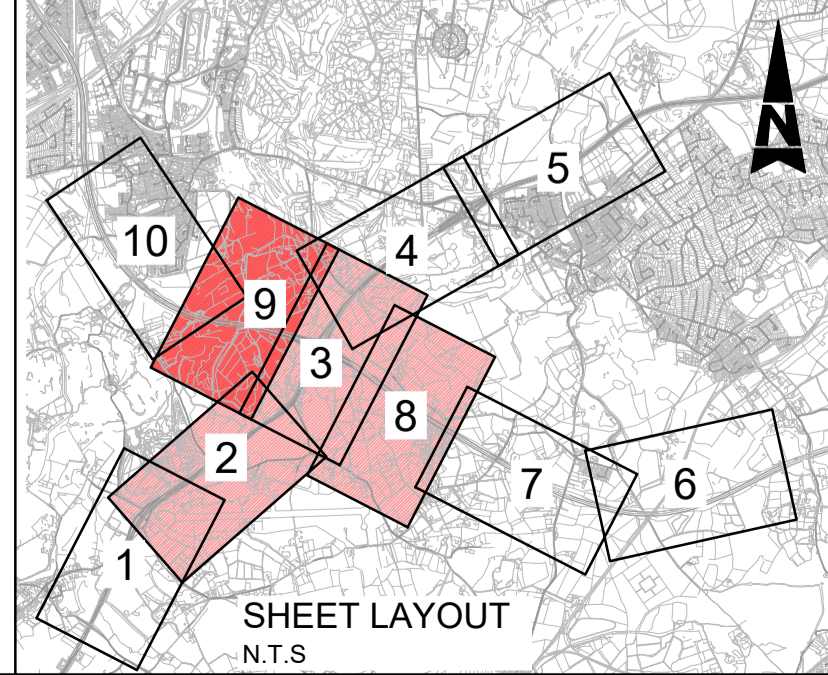


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|--|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log). | |
| Construction | NONE |
| Maintenance / Cleaning | NONE |
| Use | NONE |
| Decommissioning / Demolition | NONE |

NOTES
1. FOR GENERAL NOTES AND KEYS REFER TO HE551522-ATK-ELS-XX_ML-DR-LE-000013



| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------------|-----------|-------------|--------------|----------------|----------------|
| Description | | | | | | | |
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| Description | | | | | | | |
| Description | S0 | Revision P01.1 | Drawn --- | Checked --- | Reviewed --- | Authorised --- | Issue Date --- |

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| | | | |
|-------------------|---|---------------------------|--------------------------|
| Project Title | M25 junction 10/A3 Wisley interchange | | |
| Drawing Title | FIGURE 15 SPA COMPENSATION PACKAGE: OPTION SELECTION | | |
| Drawing Number | Project | Originator | Volume |
| HE551522 | - ATK | - ELS | - |
| XX_ML | - DR | - LE | - 002009 |
| Location | Type | Role | Number |
| Original Size: A1 | Scale: 1:2500 | Project Ref. No.: 5158141 | Sheet: 3 of 3 Rev: P01.1 |

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