

# M25 junction 10/A3 Wisley interchange TR010030

## 6.4 Environmental Statement: Chapter 7 Biodiversity Figures 1 of 3

Regulation 5(2)(a)  
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**

The M25 junction 10/A3 Wisley interchange Development Consent Order 202[X ]

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**6.4 ENVIRONMENTAL STATEMENT: CHAPTER 7 BIODIVERSITY FIGURES 1 OF 3**

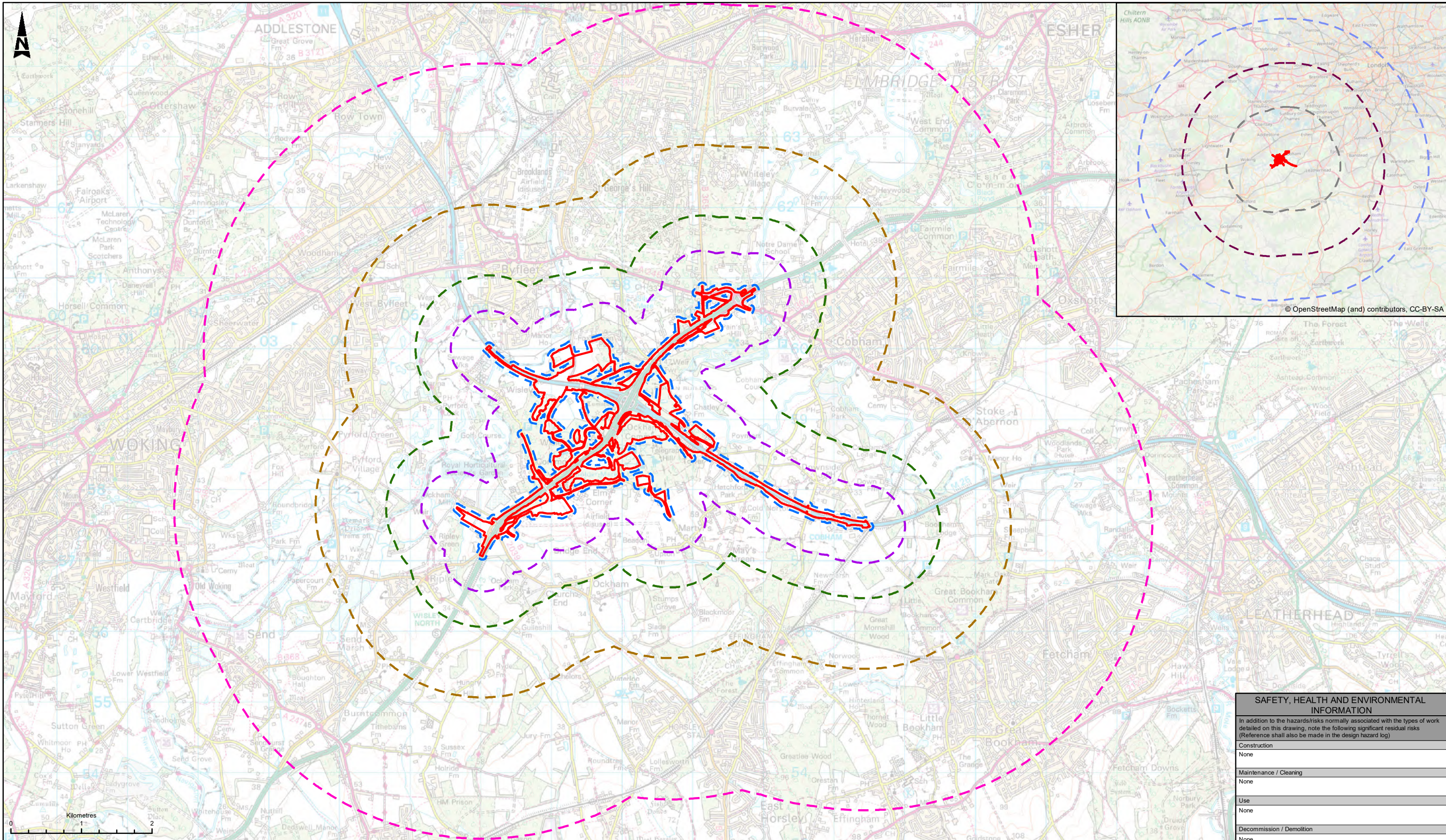
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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference</b>	TR010030
<b>Application Document Reference</b>	TR010030/APP/6.4
<b>Author:</b>	M25 junction 10/A3 Wisley interchange project team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 1	July 2019	Section 51 Advice
Rev 0	June 2019	Development Consent Order application

## 1. Schedule of Figures included in this application document

Document title	Document number	Revision
Figure 7.1 Study Area for Desk Study	TR010030/APP/6.4	0
Figure 7.2 Phase 1 Habitat Survey	TR010030/APP/6.4	0
Figure 7.3 Statutory Designated Sites within the Study Area	TR010030/APP/6.4	0
Figure 7.4 Non-statutory Designated Sites within the Study Area	TR010030/APP/6.4	0
Figure 7.5 Ancient Woodland and Veteran Trees within the Study Area	TR010030/APP/6.4	0
Figure 7.6 National Vegetation Classification Survey	TR010030/APP/6.4	0
Figure 7.7 Veteran, Notable and TPO Trees Tree Protection Plan (7 Sheets)	TR010030/APP/6.4	0
Figure 7.8 Habitats of Principal Importance	TR010030/APP/6.4	0
Figure 7.9 Water Features Potentially Impacted by the Scheme	TR010030/APP/6.4	0
Figure 7.10 Bat Survey Results – Structures and Buildings	TR010030/APP/6.4	0
Figure 7.11 Bat Survey Results – Trees	TR010030/APP/6.4	0



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LEGEND	
	DCO Boundary
	50m Search Area for Veteran Trees
	500m Search Area for Waterbodies
	1km Search Area for Ancient Woodland, Notable Habitats, Notable and Protected Species and Water Framework Directive
	2km Search Area for Statutory Designated Sites and Non-Statutory Designated Sites
	4km Search Area for Bats
	10km Search Area for Bats
	20km Search Area for Bats (Cryptic and Annex II Species)
	30km Search Area for Special Areas of Conservation (SACs) where Bats are a Qualifying Feature

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

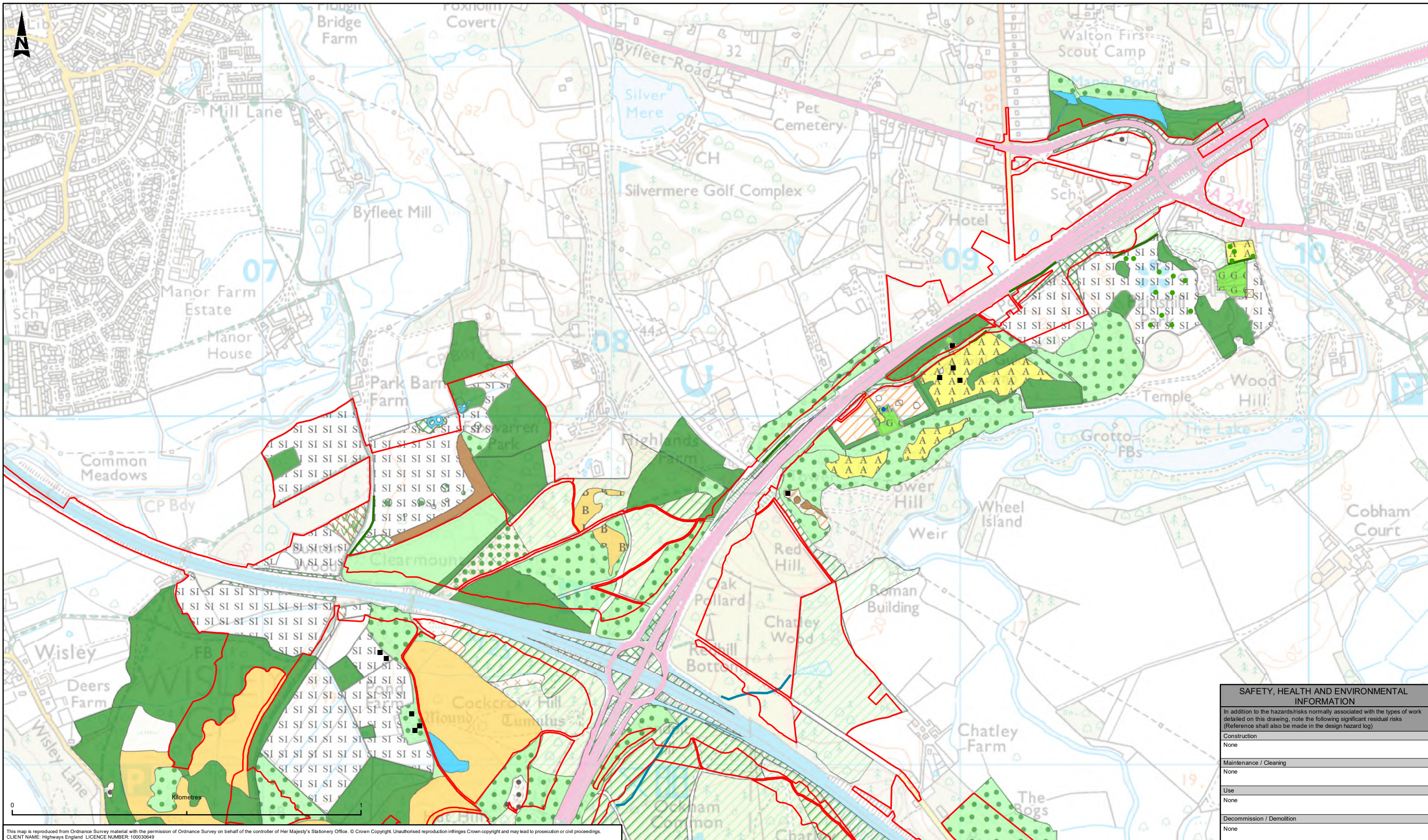
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Status: **A1**

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Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None
Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10
Drawing Title	FIGURE 7.1 STUDY AREA FOR DESK STUDY
Drawing Number	Project   Originator   Volume HE551522 - ATK - EBD XX - GS - GI - 000042
Original Size: A3	Scale: 1:50,000   Project Ref. No.: ---   Sheet: 1 of 1   Rev: C01



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Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

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

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C02	SD	SL	NW	GB	12/06/19

**PUBLISHED**

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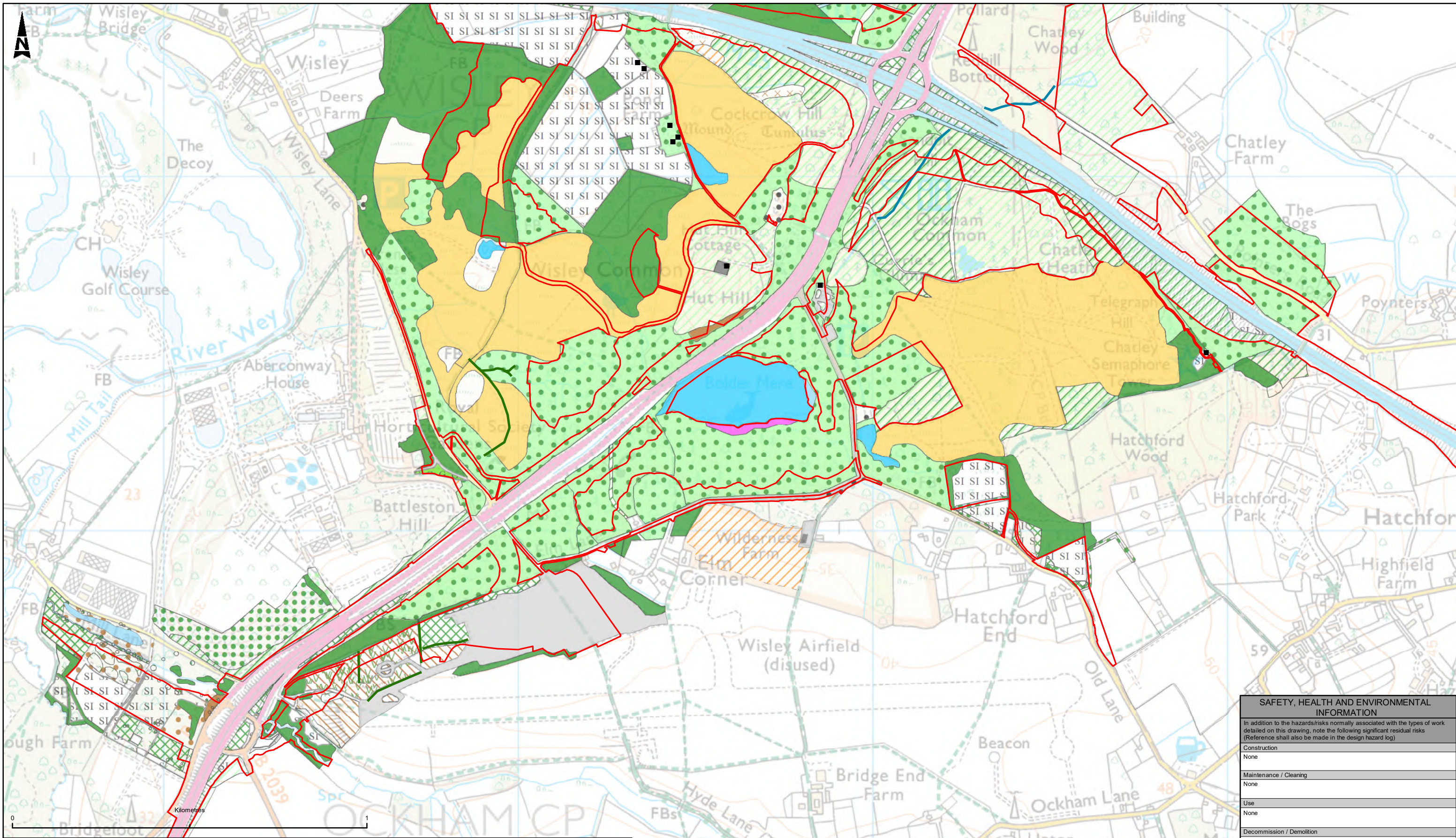
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Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10		
Drawing Title	FIGURE 7.2 PHASE 1 HABITAT SURVEY SHEET 1 OF 2		
Drawing Number	Project	Originator	Volume
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**LEGEND**

	DCO Boundary		A1.1.1 - Broadleaved Woodland - Semi-Natural		B4 - Improved Grassland		F1 - Swamp
	Ditches		A1.1.2 - Broadleaved Woodland - Plantation		B6 - Poor Semi-Improved Grassland		G1 - Standing Water
	Line of Trees		A1.2.1 - Coniferous Woodland - Semi-Natural		C1.1 - Bracken - Continuous		G1.3 - Standing Water - Oligotrophic
	Building		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		G - 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		

	B4 - Improved Grassland		F1 - Swamp
	B6 - Poor Semi-Improved Grassland		G1 - Standing Water
	C1.1 - Bracken - Continuous		G1.3 - Standing Water - Oligotrophic
	C1.2 - Bracken - Scattered		G2 - Running Water
	C3.1 - Other Tall Herb and Fern - Ruderal		J1.2 - Cultivated/Disturbed Land - Amenity Grassland
	C3.1 - Tall Ruderal (with Battered Scrub)		J2.2.2 - Defunct Hedge - Species-Poor
	C3.2 - Other Tall Herb and Fern - Non-Ruderal		J3.6 - Buildings
	D1.1 - Dry Dwarf Shrub Heath - Acid		J4 - Bare Ground
	D1.2 - Dry Dwarf Shrub Heath - Basic		G - Garden
	E2.1 - Flush and Spring - Acid/Neutral Flush		Hard Standing
	E3 - Fen		

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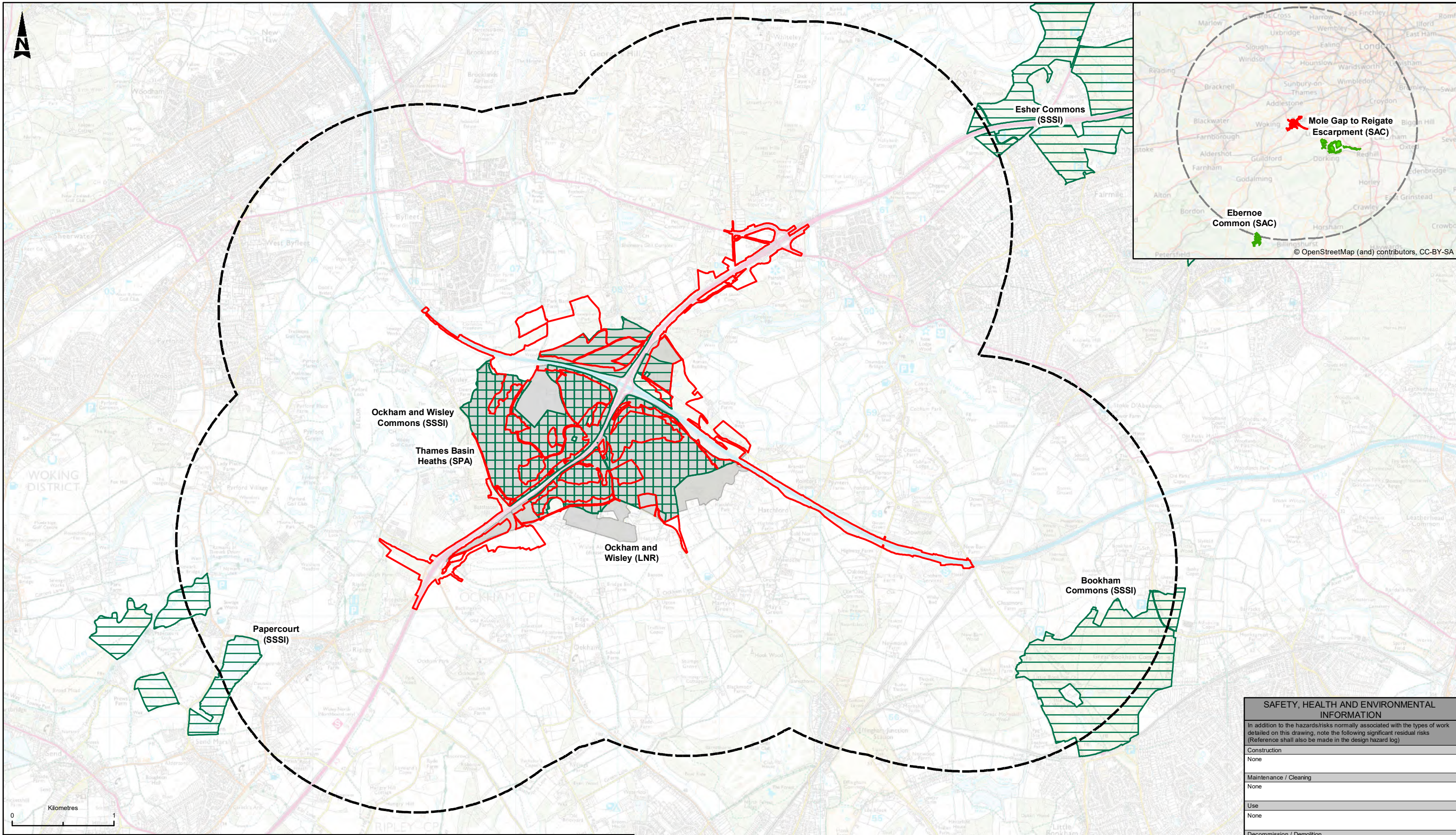
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Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None
Project Title: ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title: FIGURE 7.2 PHASE 1 HABITAT SURVEY SHEET 2 OF 2	
Drawing Number: HE551522 - ATK - EBD XX - GS - GI - 000044	
Original Size: A3	Scale: 1:10,000
Project Ref. No.:	Sheet: 2 of 2
Rev.:	C02



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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
	Sites of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserves (LNR)

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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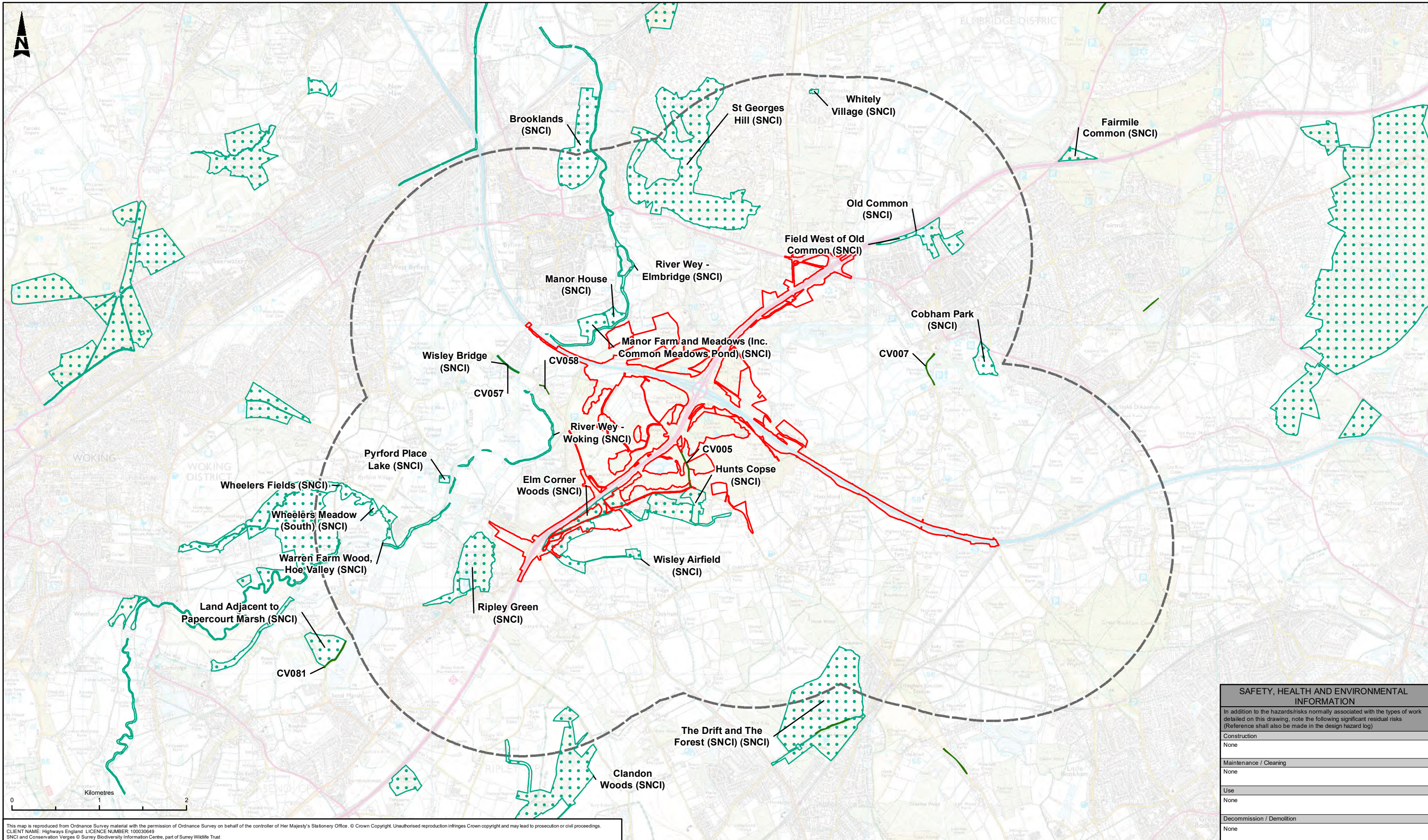
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Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10		
Drawing Title	FIGURE 7.3 STATUTORY DESIGNATED SITES WITHIN THE STUDY AREA		
Drawing Number	Project	Originator	Volume
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**LEGEND**

- DCO Boundary
- 2km Search Area
- Sites of Nature Conservation Importance (SNCI)
- Conservation Verges (CV)

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

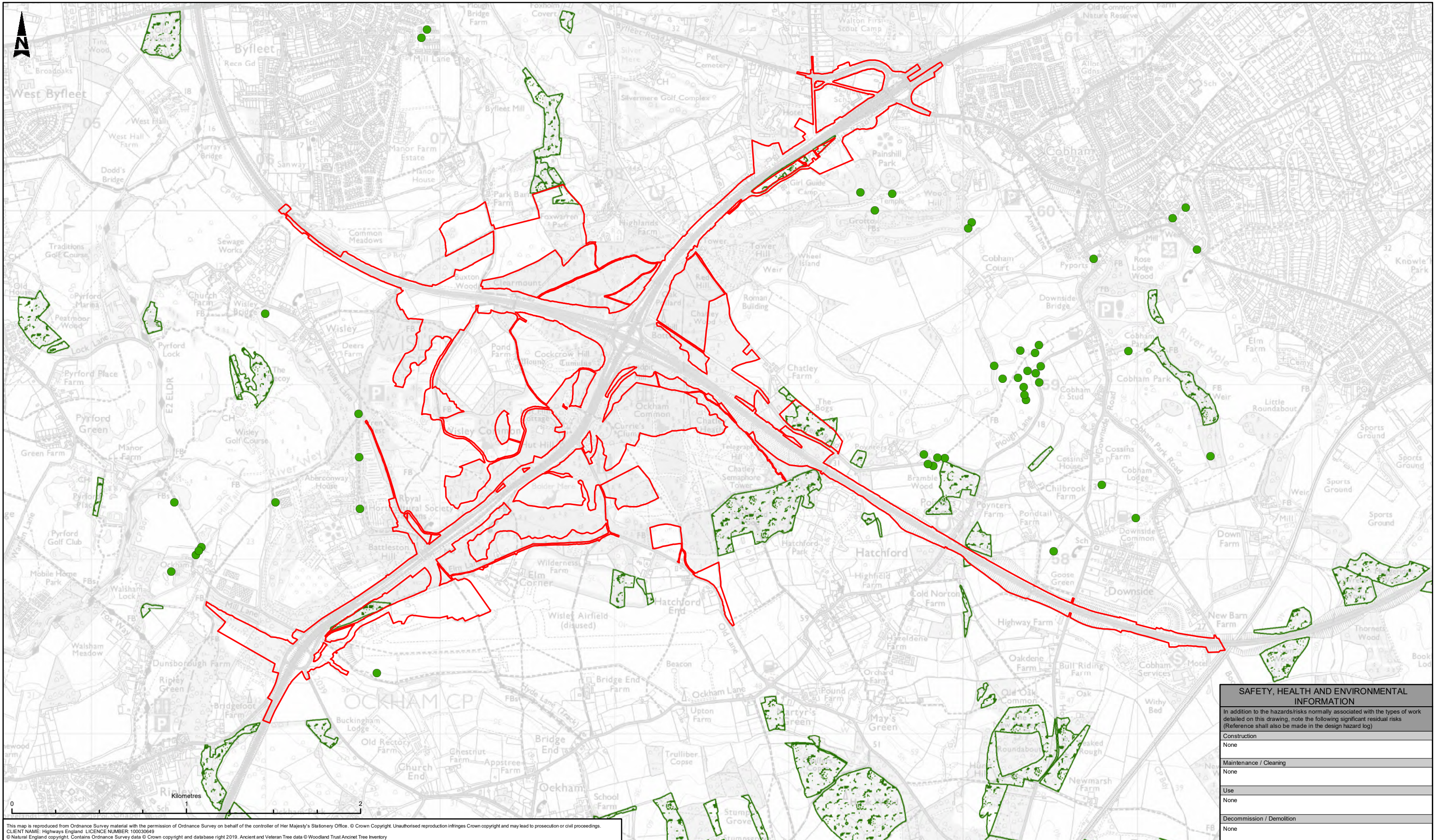
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Project Title		ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title		FIGURE 7.4 NON-STATUTORY DESIGNATED SITES WITHIN THE STUDY AREA	
Drawing Number		Project: HE551522 - ATK - EBD Originator: XX - GS - GI - 000046 Volume: ---	
Original Size: A3	Scale: 1:40,000	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
- Ancient Woodland
- Ancient and Veteran Trees

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	A1	C01	SD	SL	NW	GB	12/06/19

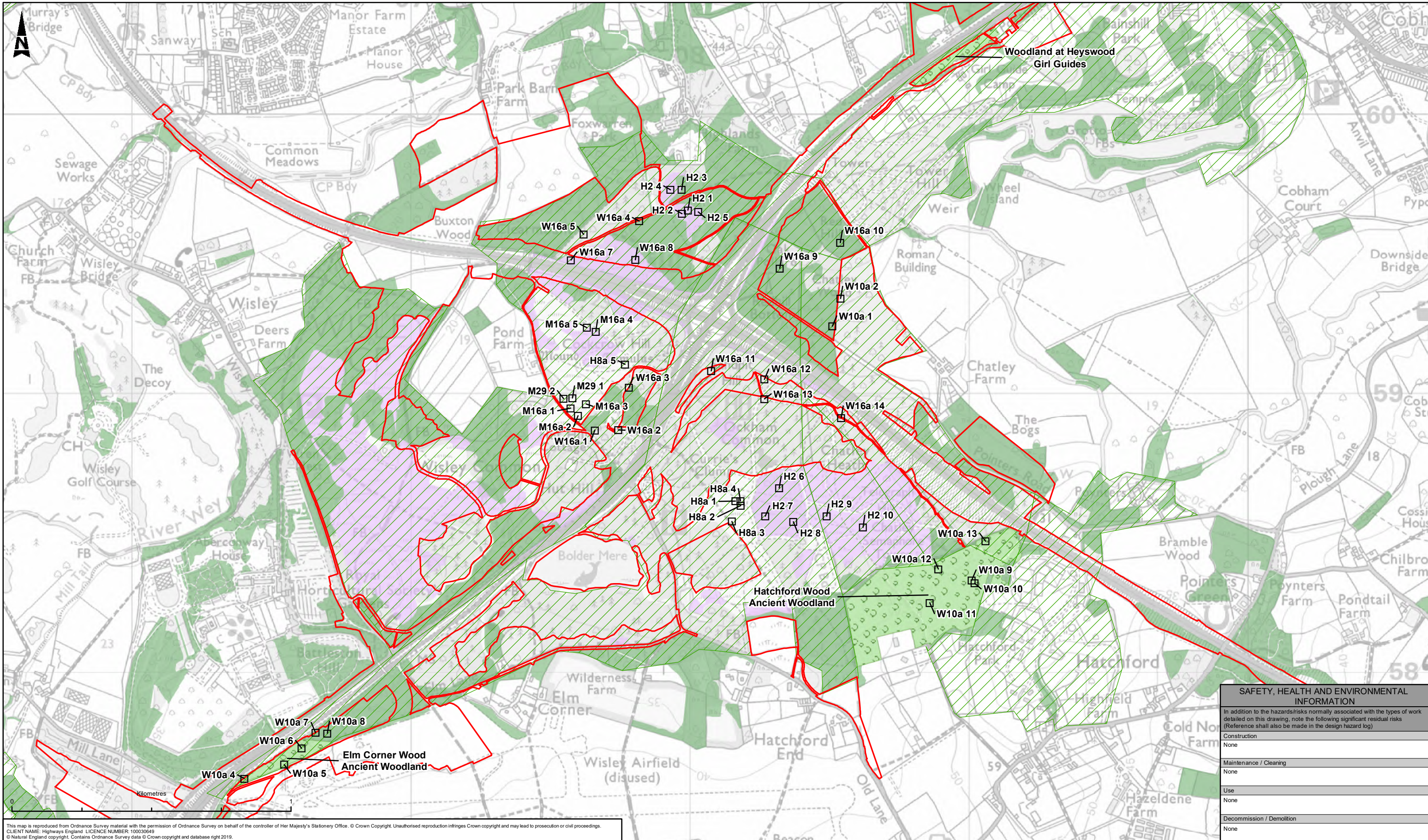
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		Volume 1 of 1	
Original Size	A3	Scale	1:20,000
Project Ref. No.	---	Sheet	1 of 1
Rev.	C01		

**PROJECT TITLE**  
ROAD IMPROVEMENT PROGRAMME  
M25 Junction 10

**DRAWING TITLE**  
FIGURE 7.5  
ANCIENT WOODLAND AND VETERAN  
TREES WITHIN THE STUDY AREA

**DRAWING NUMBER**  
Project: HE551522 - ATK - EBD  
Originator: XX - GS - GI - 000012  
Volume: 1 of 1

Project	Originator	Volume
HE551522 - ATK - EBD	XX - GS - GI - 000012	1 of 1
Location	Type	Role
A3	---	---
Scale	Project Ref. No.	Sheet
1:20,000	---	1 of 1
Rev.	C01	



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LEGEND	
	DCO Boundary
	Ancient Woodland Surveyed
	Lowland heathland
	Woodpasture and Parkland
	Sample Quadrat
	Lowland deciduous woodland

N.B. Habitat classification types based on National Vegetation Classification

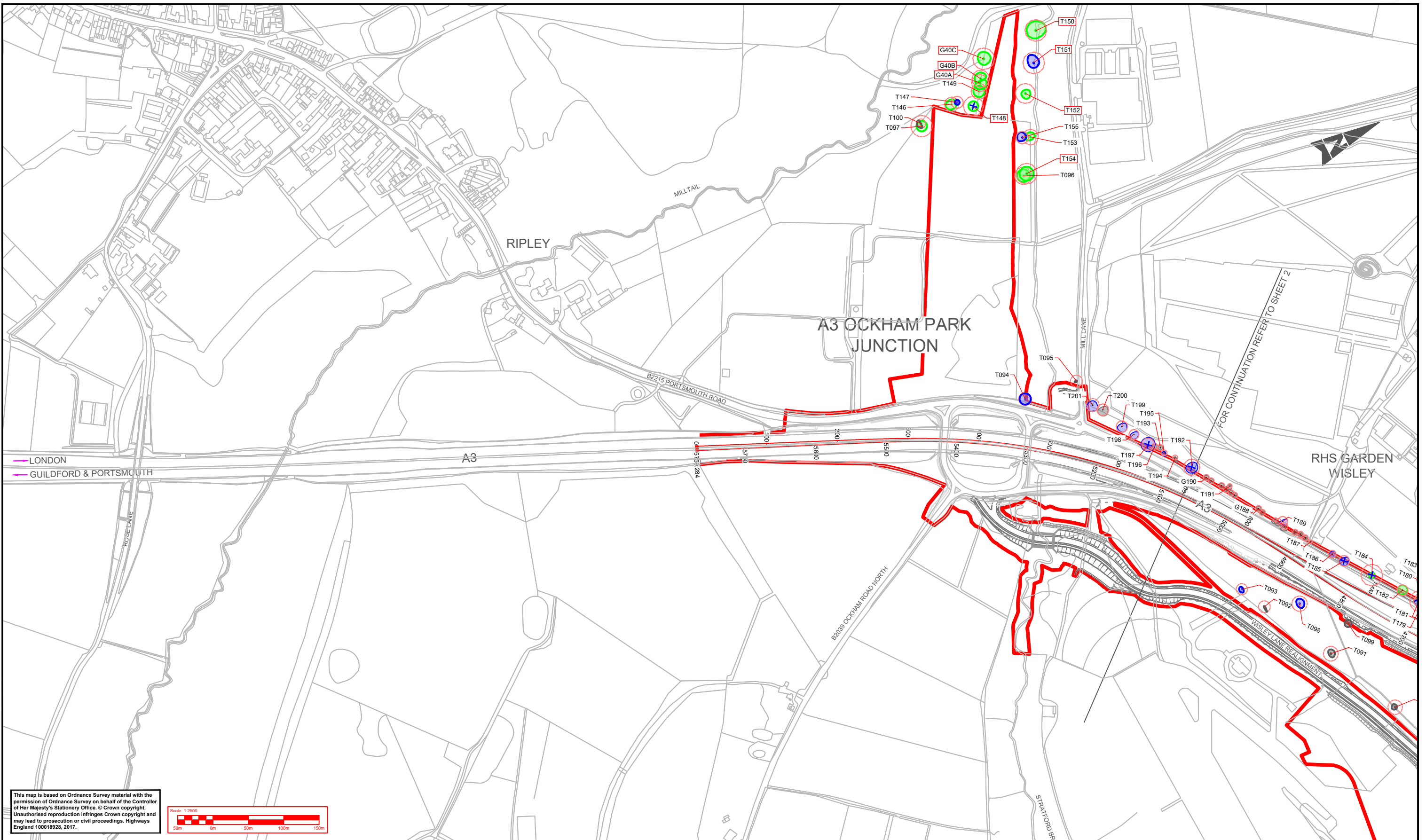
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Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

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Description							PUBLISHED			
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A1		SD	SL	NW	GB	14/06/19				

Project Title	
ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title	
FIGURE 7.6 NATIONAL VEGETATION CLASSIFICATION SURVEY	
Drawing Number	
Project	HE551522 - ATK - EBD
Originator	XX - GS - GI - 000047
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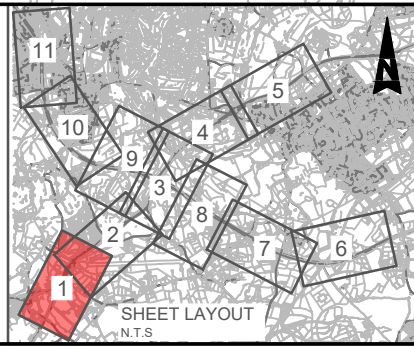
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KEY:	
	CATEGORY A TREE
	CATEGORY B TREE
	CATEGORY C TREE
	CATEGORY U TREE
	ROOT PROTECTION AREA
	TREE ID
	VETERAN / ANCIENT TREE
	TPO SINGLE TREE
	TPO AREAS
	POTENTIAL REMOVAL / IMPACT
	TO BE REMOVED
	DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

Drawing Suitability:   Status:  

Project Title: **M25 junction 10/A3 Wisley interchange**

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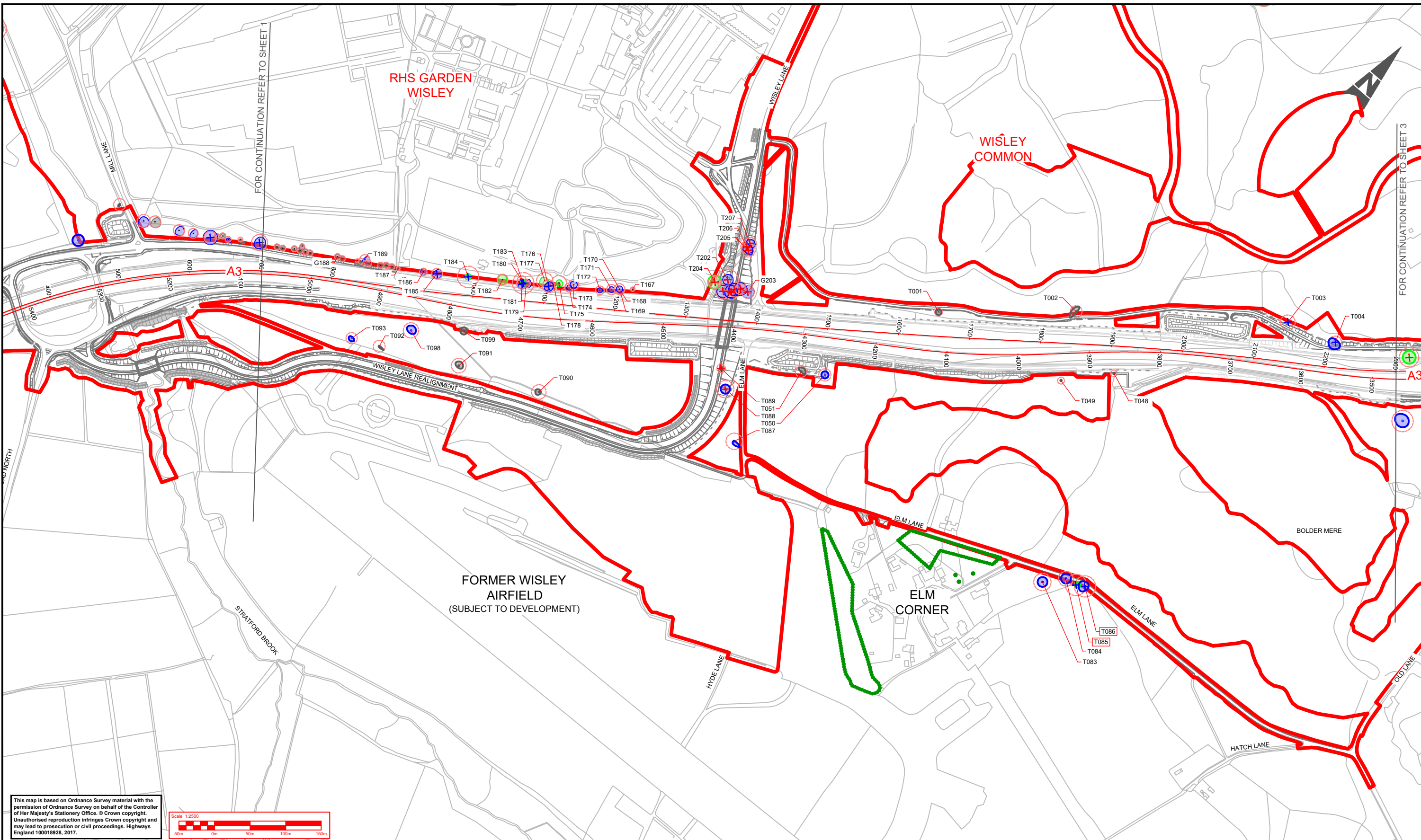
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Drawing Title			Drawing Number		
<b>FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 1 OF 11</b>			HE551522 - ATK - ELS -		
A3_ML - DR - LL - 000001			I Originator I Volume		
Location			Type Role Number		
Original Size: A1	Scale: 1:2500	Project Ref. No: 5158141	Sheet: 1 of 11	Rev. P01.3	

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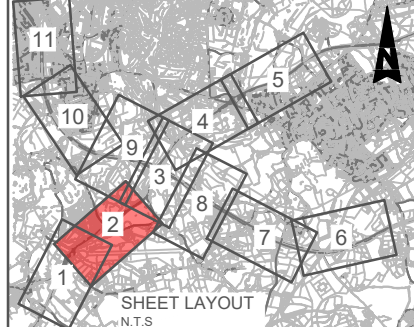
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**KEY:**

	CATEGORY A TREE		TREE ID		DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY
	CATEGORY B TREE		VETERAN / ANCIENT TREE		TPO SINGLE TREE
	CATEGORY C TREE		TPO AREAS		POTENTIAL REMOVAL / IMPACT
	CATEGORY U TREE		TO BE REMOVED		
	ROOT PROTECTION AREA				



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
		P01.3	AT				

Drawing Suitability

Status

Project Title

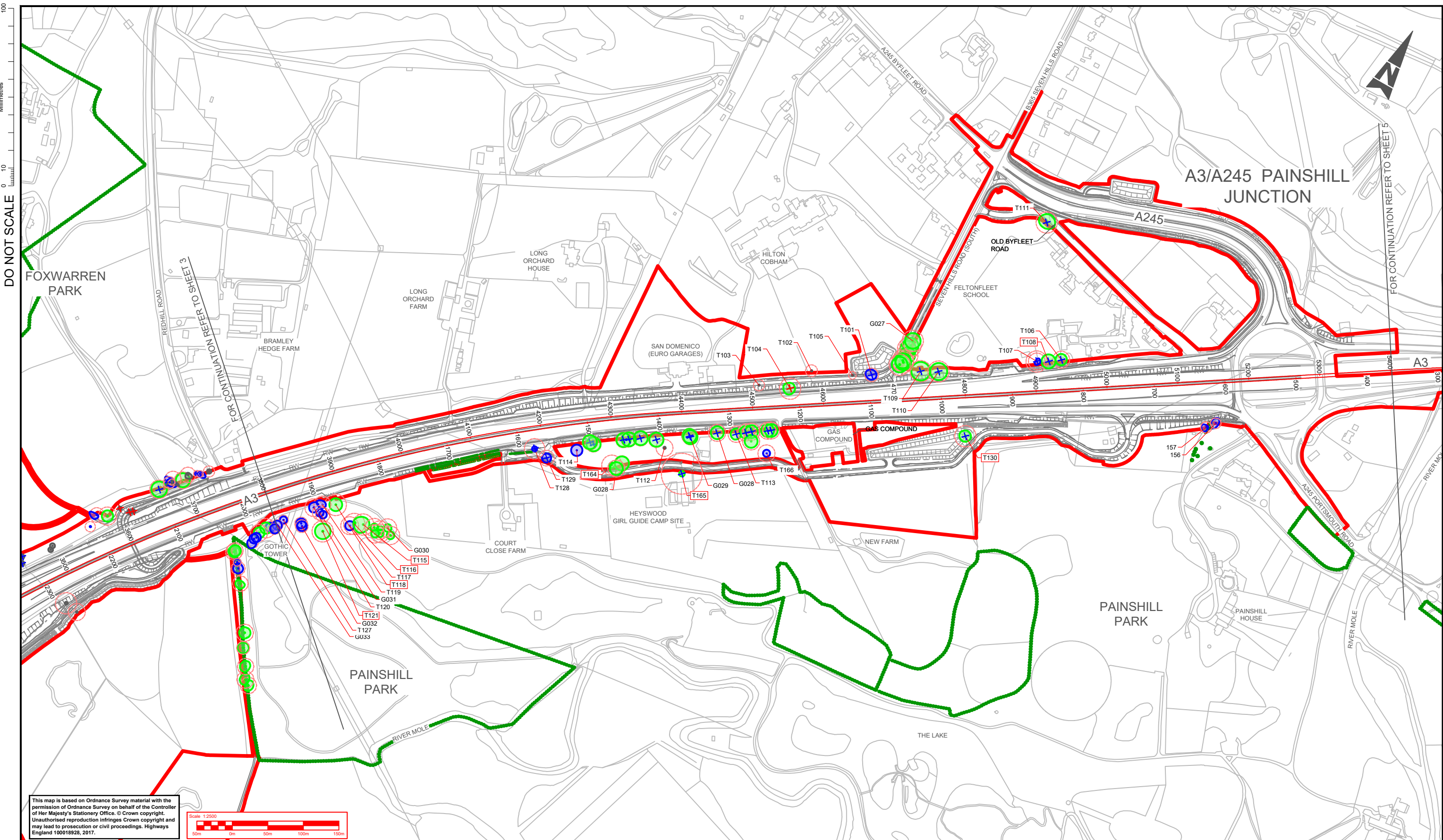
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Project Title				M25 junction 10/A3 Wisley interchange			
Drawing Title				FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 2 OF 11			
Drawing Number	Originator	Volume					
HE551522	ATK	ELS					
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










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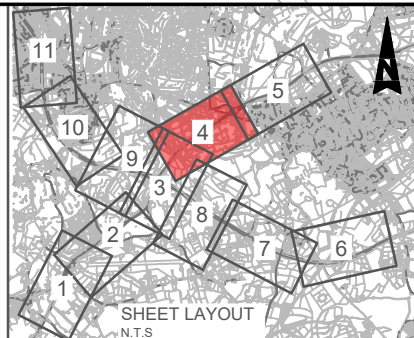
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KEY:

	CATEGORY A TREE		T022	TREE ID		DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY
	CATEGORY B TREE		XXXXX	VETERAN / ANCIENT TREE		TPO SINGLE TREE
	CATEGORY C TREE			TPO AREAS		POTENTIAL REMOVAL / IMPACT
	CATEGORY U TREE			TO BE REMOVED		
	ROOT PROTECTION AREA					



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Project Title: **M25 junction 10/A3 Wisley interchange**

Drawing Title: **FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 4 OF 11**

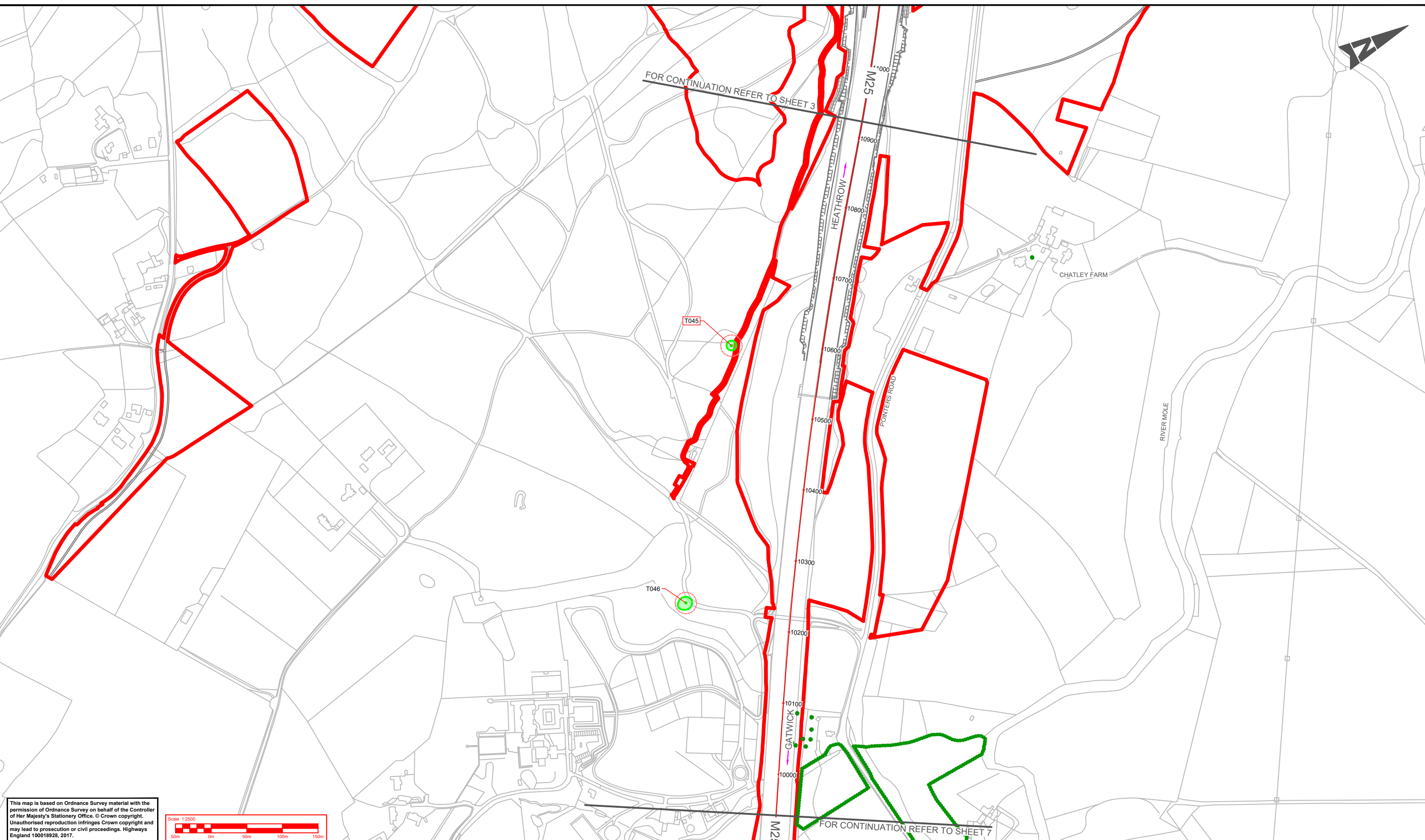
Drawing Number: **HE551522** | Originator: **ATK** | Volume: **ELS**

A3\_ML - DR - LL - 000004

Original Size: **A1** | Scale: **1:2500** | Project Ref. No: **5158141** | Sheet: **4 of 11** | Rev: **P01.3**

DO NOT SCALE

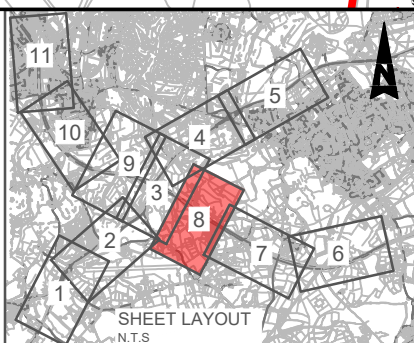
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0 10  
Millimetres



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KEY:		
<span style="color: green;">●</span>	CATEGORY A TREE	<span style="color: red;">—</span> T022 TREE ID
<span style="color: blue;">●</span>	CATEGORY B TREE	<span style="border: 1px solid red; padding: 1px;">XXXX</span> VETERAN / ANCIENT TREE
<span style="color: grey;">●</span>	CATEGORY C TREE	<span style="color: green;">●</span> TPO SINGLE TREE
<span style="color: red;">●</span>	CATEGORY U TREE	<span style="color: green;">—</span> TPO AREAS
<span style="border: 1px solid red; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span>	ROOT PROTECTION AREA	<span style="color: blue;">X</span> POTENTIAL REMOVAL / IMPACT
		<span style="color: red;">X</span> TO BE REMOVED
		<span style="color: red;">—</span> DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY



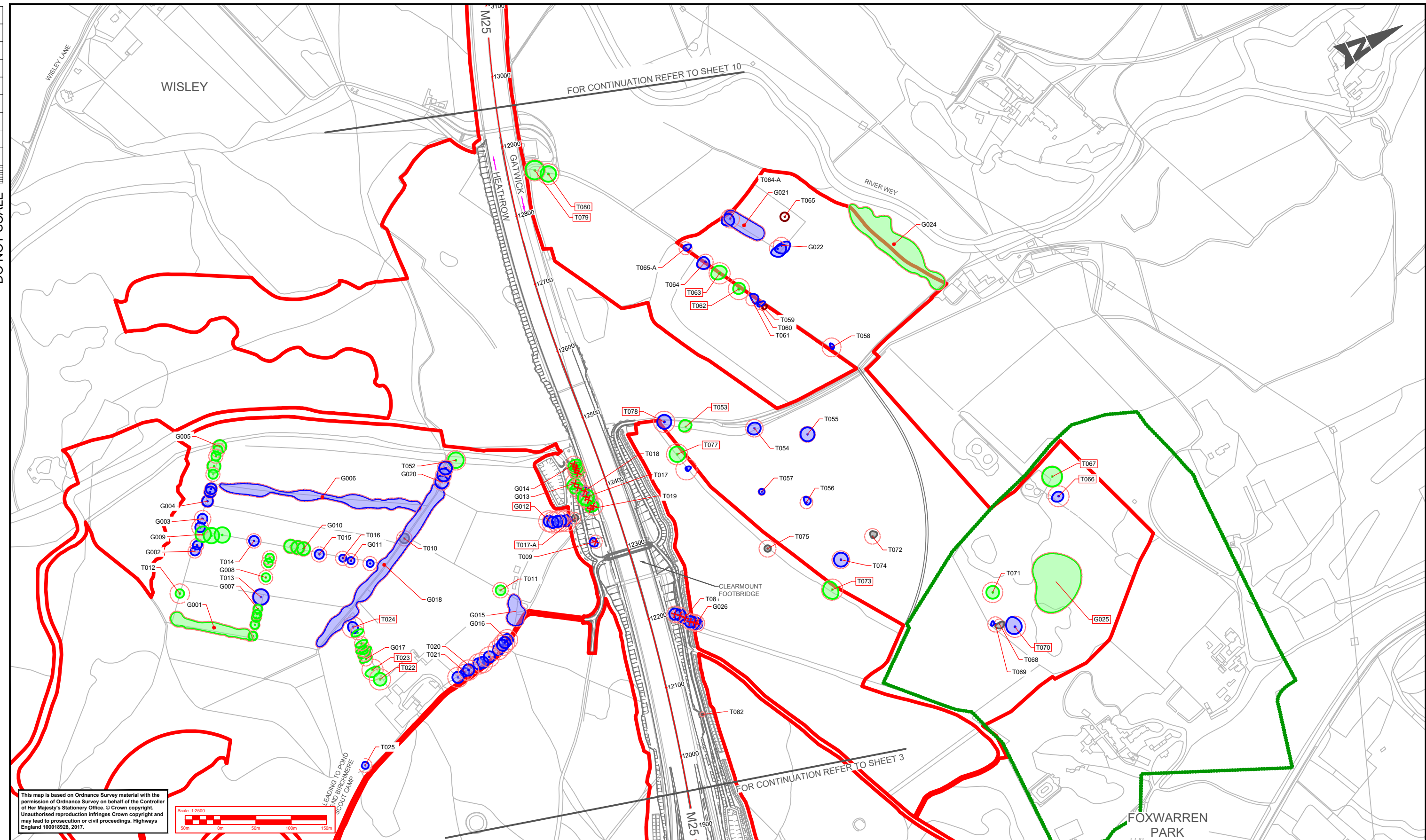
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision P01.3	Drawn AT	Checked ---	Reviewed ---	Authorised ---	Issue Date ---

<p><b>ATKINS</b> Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL Tel: +44 (0)1372 726140 Fax: +44 (0)1372 740055 www.atkinsglobal.com</p>		Project Title <b>M25 junction 10/A3 Wisley interchange</b>
<p>Working on behalf of</p>		Drawing Title <b>FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 8 OF 11</b>
Client Highways England		Drawing Number <b>HE551522 - ATK - ELS -</b> <b>M25_ML - DR - LL - 000008</b>
Original Size: <b>A1</b> Scale: 1:2500 Project Ref. No: 5158141 Sheet: 8 of 11 Rev: <b>P01.3</b>		

DO NOT SCALE

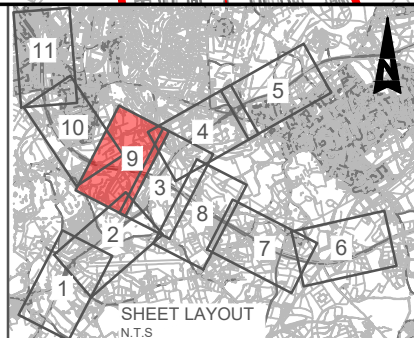
Millimetres

0 10 100



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KEY:						
	CATEGORY A TREE		T022	TREE ID		DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY
	CATEGORY B TREE		XXXX	VETERAN / ANCIENT TREE		TPO SINGLE TREE
	CATEGORY C TREE			TPO AREAS		POTENTIAL REMOVAL / IMPACT
	CATEGORY U TREE			TO BE REMOVED		ROOT PROTECTION AREA



Description	Revision						Issue Date
	Status	Revision	Drawn	Checked	Reviewed	Authorised	
Description							
Description							
Description							
Description							
Description							
Additional survey added	Status	Revision P01.3	Drawn AT	Checked	Reviewed	Authorised	Issue Date

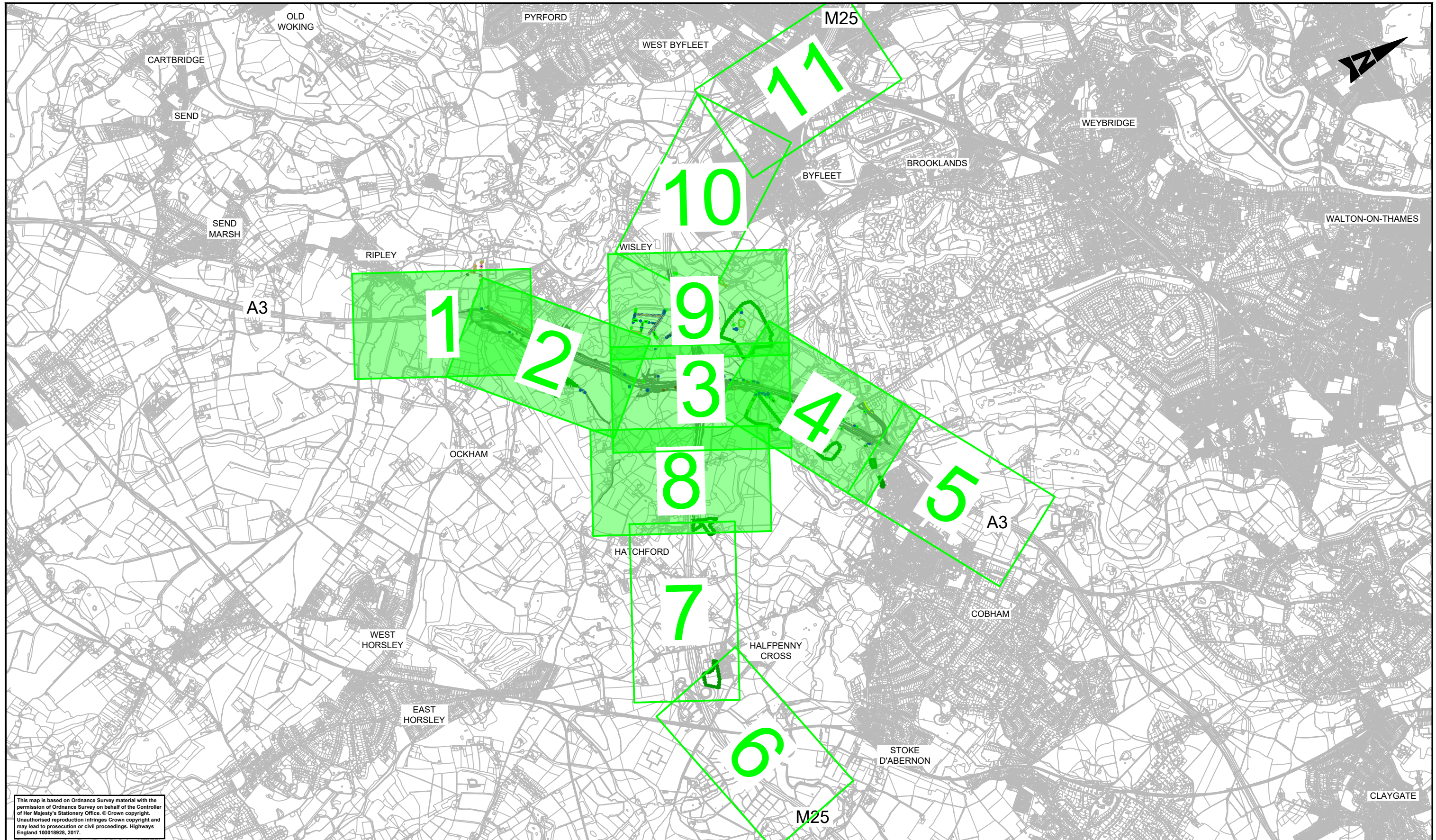
Drawing Suitability: A1 Status: P01.3

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Project Title		M25 junction 10/A3 Wisley interchange	
Drawing Title		FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 9 OF 11	
Drawing Number	HE551522	Originator	ATK
Project	M25_ML	Volume	ELS
Location		Role	DR - LL
Original Size	A1	Number	000009
Scale	1:2500	Project Ref. No.	5158141
Sheet	9 of 11	Rev	P01.3





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LEGEND

**2** VETERAN TREE SURVEY AND/OR TREE PROTECTION SHOWN IN THIS AREA. ONLY THESE HIGHLIGHTED SHEETS ARE PROVIDED FOR THE PURPOSE OF WORKS IDENTIFIED.

Description						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description IT FOR INTERNAL REVIEW / COMMENT						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	P01.1	AT	---	---	---	---

Drawing Suitability: \_\_\_\_\_ Status: \_\_\_\_\_

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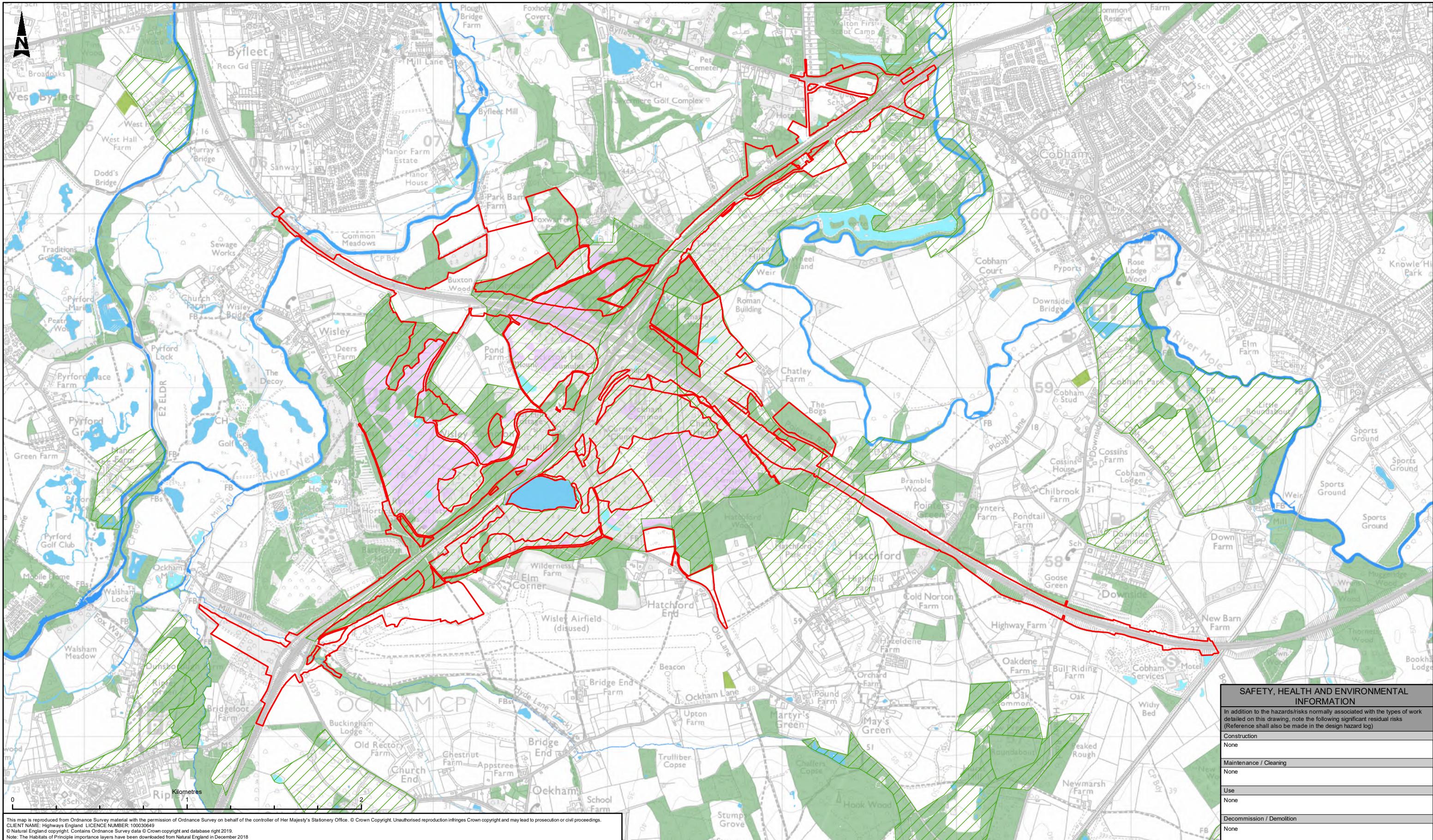
Project Title: M25 junction 10/A3 Wisley interchange

Drawing Title: **FIGURE 7.7  
VETERAN, NOTABLE AND TPO TREES  
TREE PROTECTION PLAN  
KEY PLAN**

Drawing Number: HE551522 - ATK - ELS -  
Project: XX\_KP - DR - LL - 000001

Location: \_\_\_\_\_

Original Size: A1 Scale: AS SHOWN Project Ref. No: 5158141 Sheet: 1 of 1 Rev: P01.1



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 Note: The Habitats of Principle Importance layers have been downloaded from Natural England in December 2018

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

LEGEND	
DCO Boundary	<b>Habitats of Principle Importance</b>
	Lowland mixed deciduous woodland
	Lowland heathland
	Traditional orchard
	Woodpasture and Parkland
	Rivers
	Ponds
	Lakes

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
	A1	C01	JVR	PW	NW	GB	12/06/19

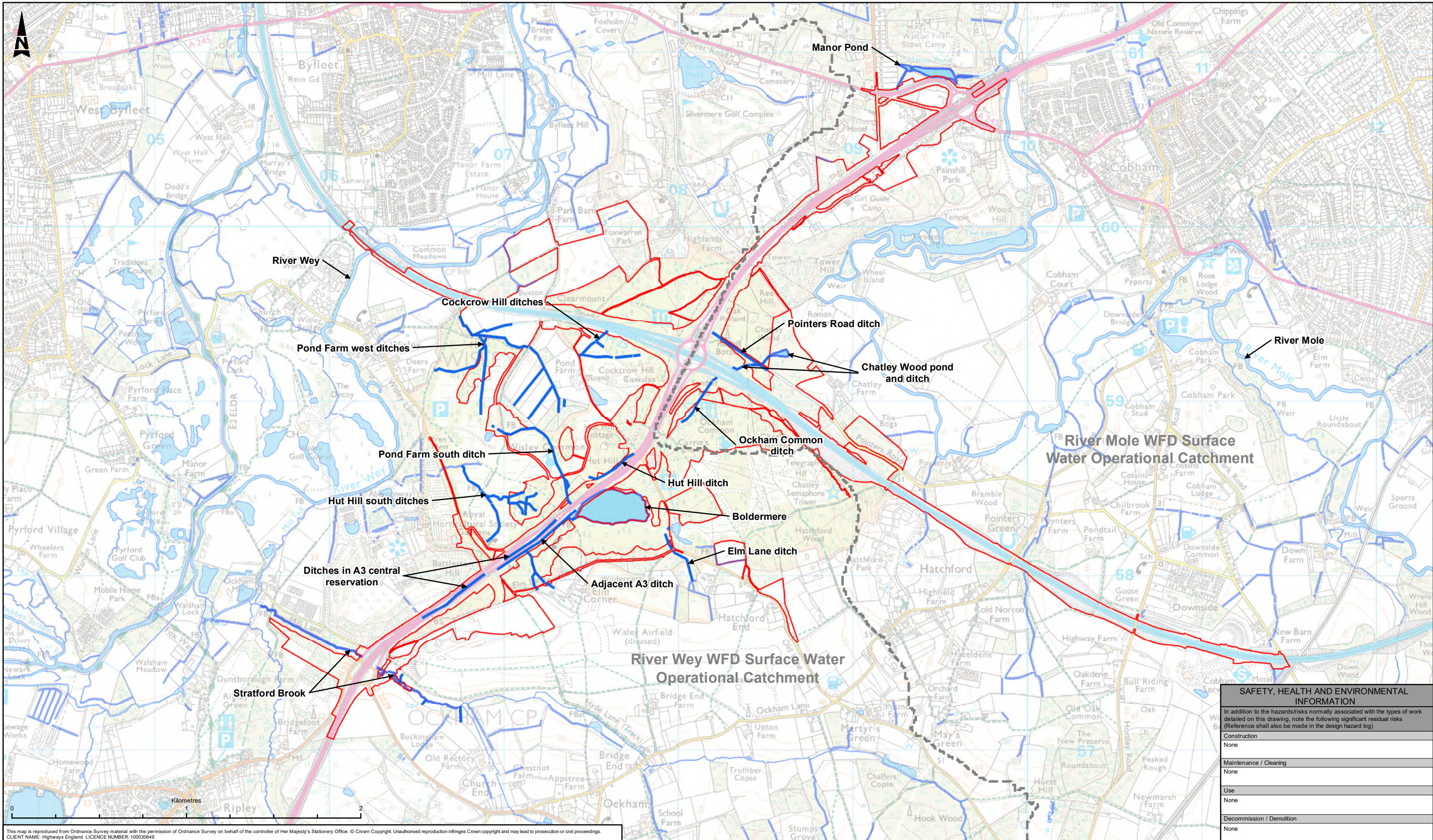
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Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10		
Drawing Title	FIGURE 7.8 HABITATS OF PRINCIPAL IMPORTANCE WITHIN AND ADJACENT TO THE STUDY AREA		
Drawing Number	Project	Originator	Volume
	HE551522 - ATK - EBD	XX - GS - GI - 000011	
Original Size: A3	Scale: 1:20,000	Project Ref. No: --	Sheet: 1 of 1 Rev: C01



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**LEGEND**

- DCO Boundary
- WFD Surface Water Operational Catchments
- Potentially affected water bodies (rivers)
- Potentially affected water bodies (ponds/lakes)
- Other Surface Water Bodies (sourced from Ordnance Survey)

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1		SD	ED	NW	GB	12/06/19

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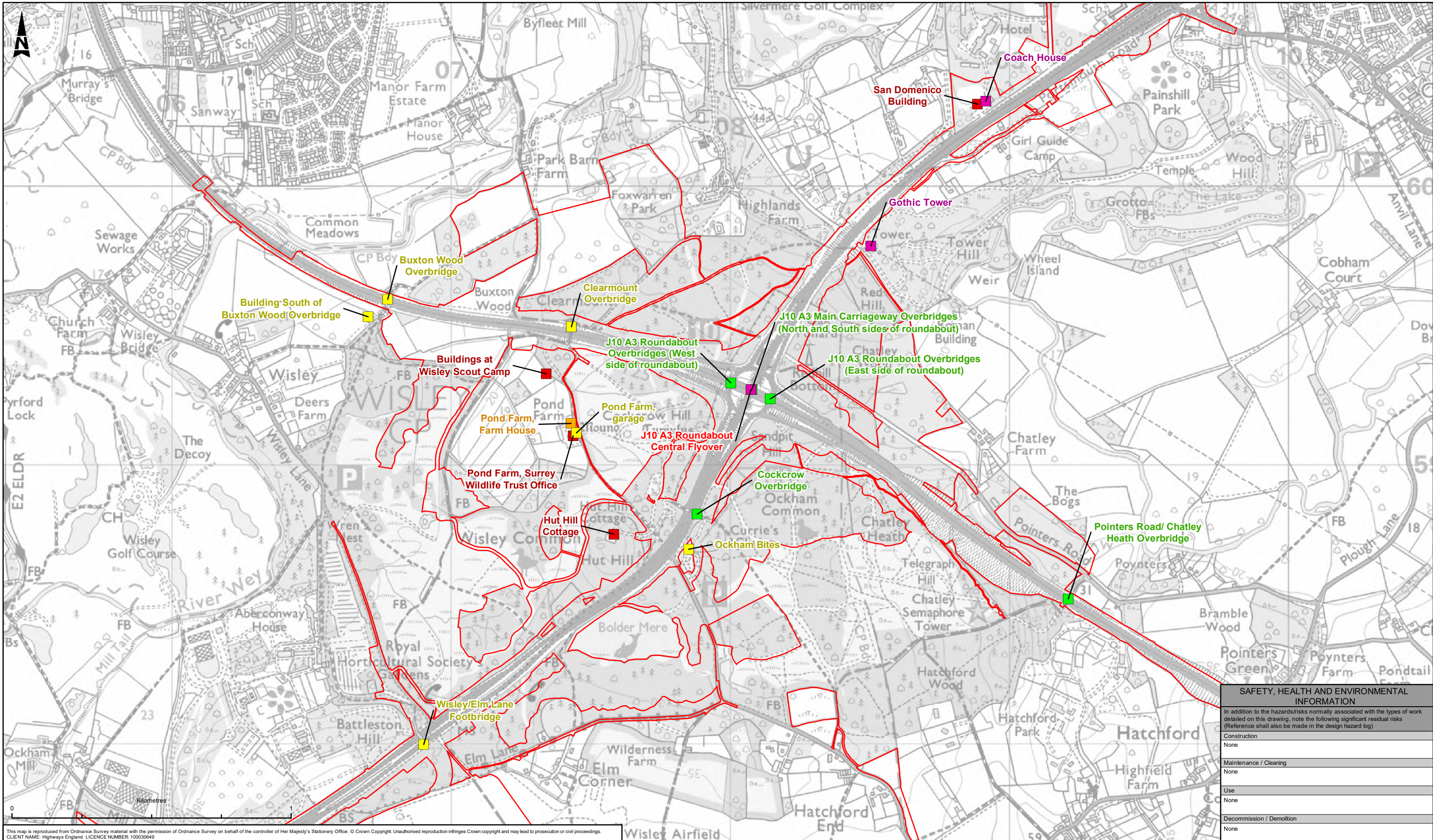
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england**

**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 7.9 WATER FEATURES POTENTIALLY IMPACTED BY SCHEME		
Drawing Number	Project	Originator	Volume
	HE551522 - ATK - EBD	XX - GS - GI - 000048	
Original Size: A3	Scale: 1:20,000	Project Ref. No: --	Sheet: 1 of 1
			Rev: C01



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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

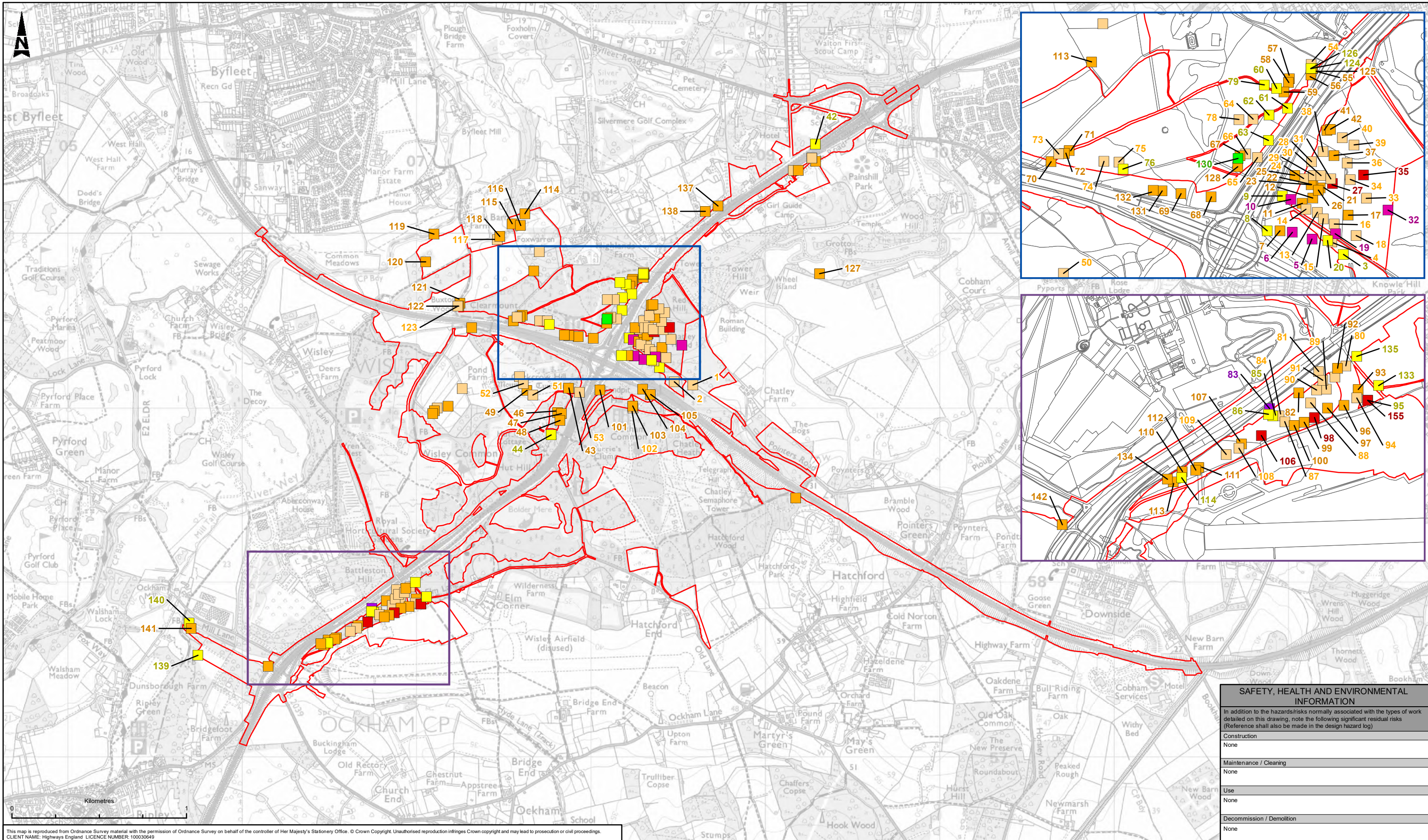
LEGEND							
DCO Boundary							
Roosting Potential							
Confirmed							
High							
Low							
Negligible							
No Access - Not Surveyed							

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C01	SD	SL	NW	GB	14/06/19

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Project Title		ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title		FIGURE 7.10 BAT SURVEY RESULTS - STRUCTURES AND BUILDINGS	
Drawing Number		Project: HE551522 - ATK - EBD Originator: XX - GS - GI - 000049 Volume: ---	
Original Size: A3	Scale: 1:12,500	Project Ref. No: ---	Sheet: 1 of 1 Rev: C01



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0 1 Kilometres

**LEGEND**

- DCO Boundary
- Tree Roosting Potential**
  - Confirmed
  - High
  - Moderate
  - Low
  - Negligible
  - Tree No Longer Present (Collapsed In Winter 2017/18)
  - Tree No Longer Present (Felled By SWT In Winter 2017/18)

**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	C01	SD	SL	NW	GB	14/06/19

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Project Title		ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title		FIGURE 7.11 BAT SURVEY RESULTS - TREES	
Project	Originator	Volume	
HE551522 - ATK - EBD	XX - GS - GI - 000050		
Location	Type	Role	Number
A3	1:20,000	---	1 of 1
Original Size	Scale	Project Ref. No.	Rev. C01

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