

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]

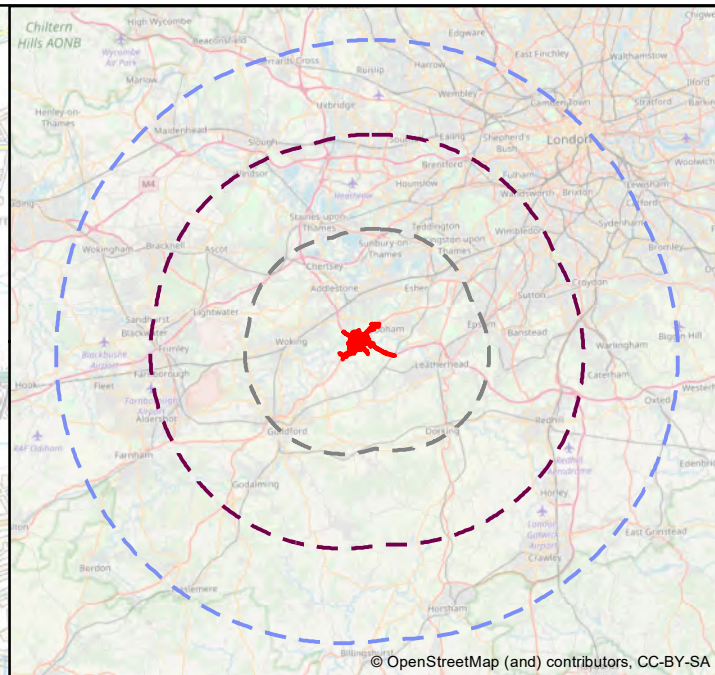
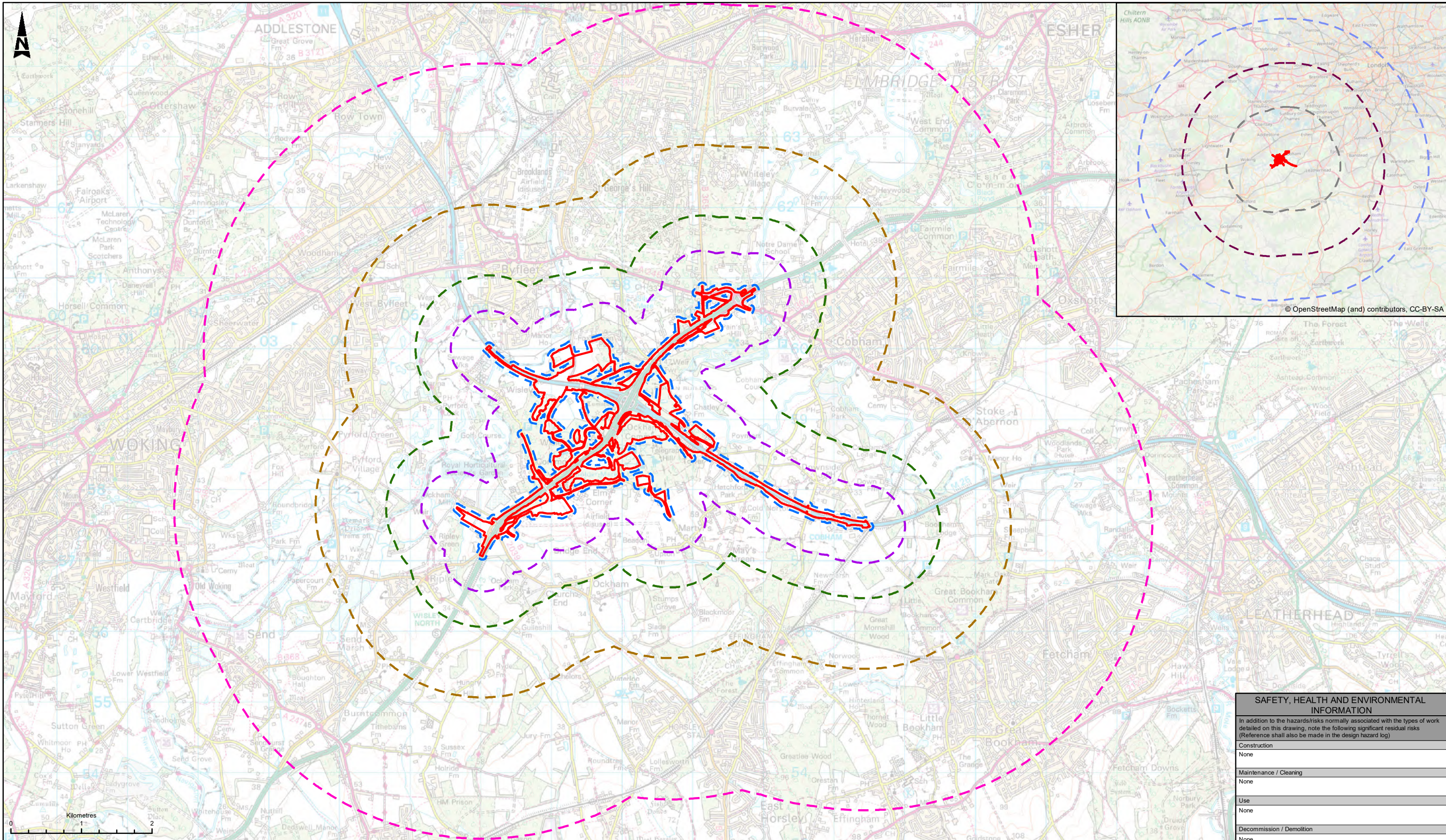
6.4 ENVIRONMENTAL STATEMENT: CHAPTER 7 BIODIVERSITY FIGURES 1 OF 3

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

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

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 (Key and 6 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



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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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
PUBLISHED	A1	C01	KV	SL	NW	GB	12/06/19

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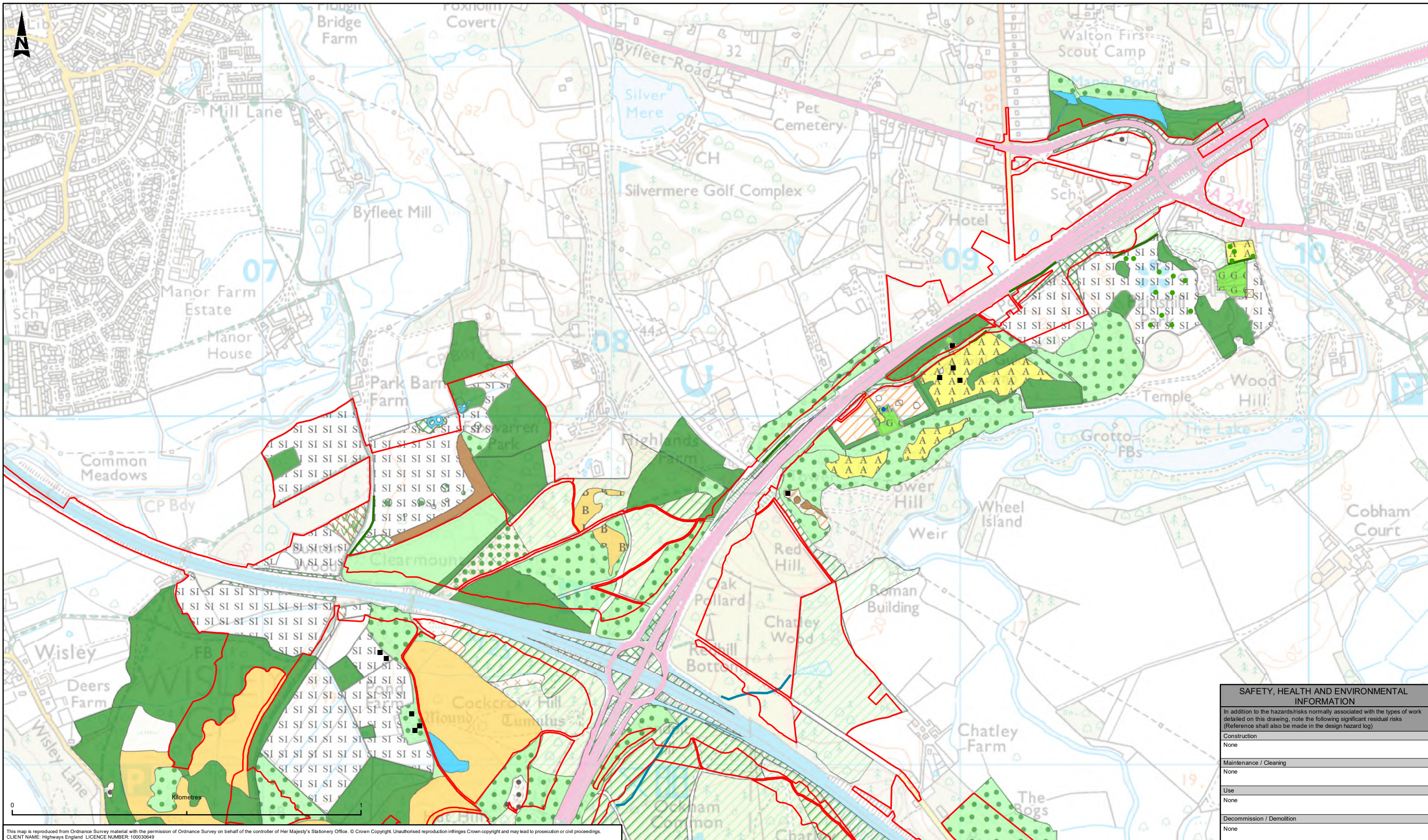
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Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title	FIGURE 7.1 STUDY AREA FOR DESK STUDY	
Drawing Number	Project	Originator
	HE551522 - ATK - EBD	XX - GS - GI - 000042
Original Size: A3	Scale: 1:50,000	Project Ref. No: ---
	Sheet: 1 of 1	Rev: C01



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Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

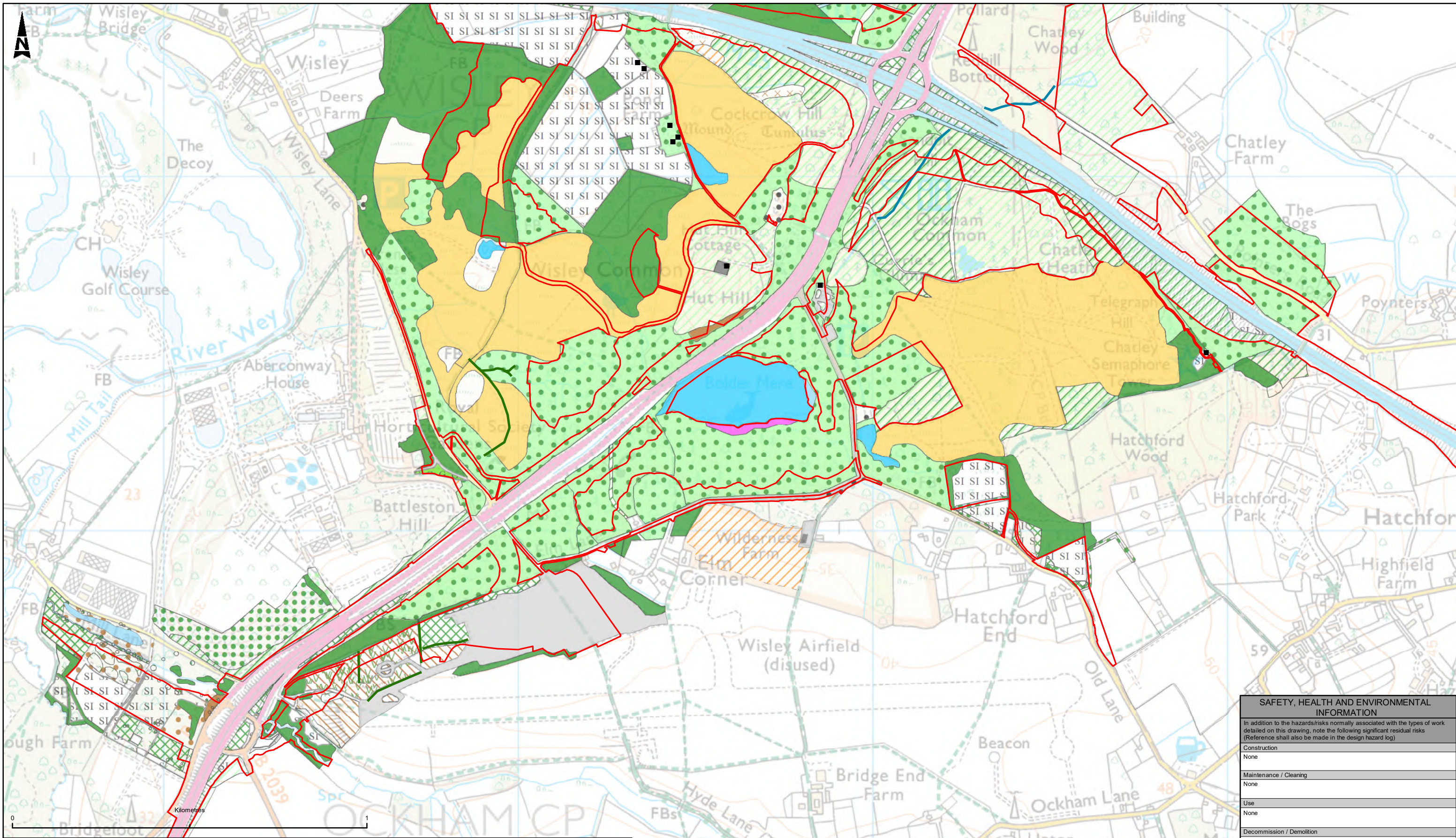
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DCO Boundary	A1.1.1 - Broadleaved Woodland - Semi-Natural
Ditches	A1.1.2 - Broadleaved Woodland - Plantation
Line of Trees	A1.2.1 - Coniferous Woodland - Semi-Natural
Building	A1.2.2 - Coniferous Woodland - Plantation
Scattered Trees	A1.3.1 - Mixed 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	G - Garden
Hard Standing	

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

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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		HE551522 - ATK - EBD XX - GS - GI - 000043	
Original Size: A3	Scale: 1:10,000	Project Ref. No: --	Sheet: 1 of 2
Rev: C02			



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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
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	

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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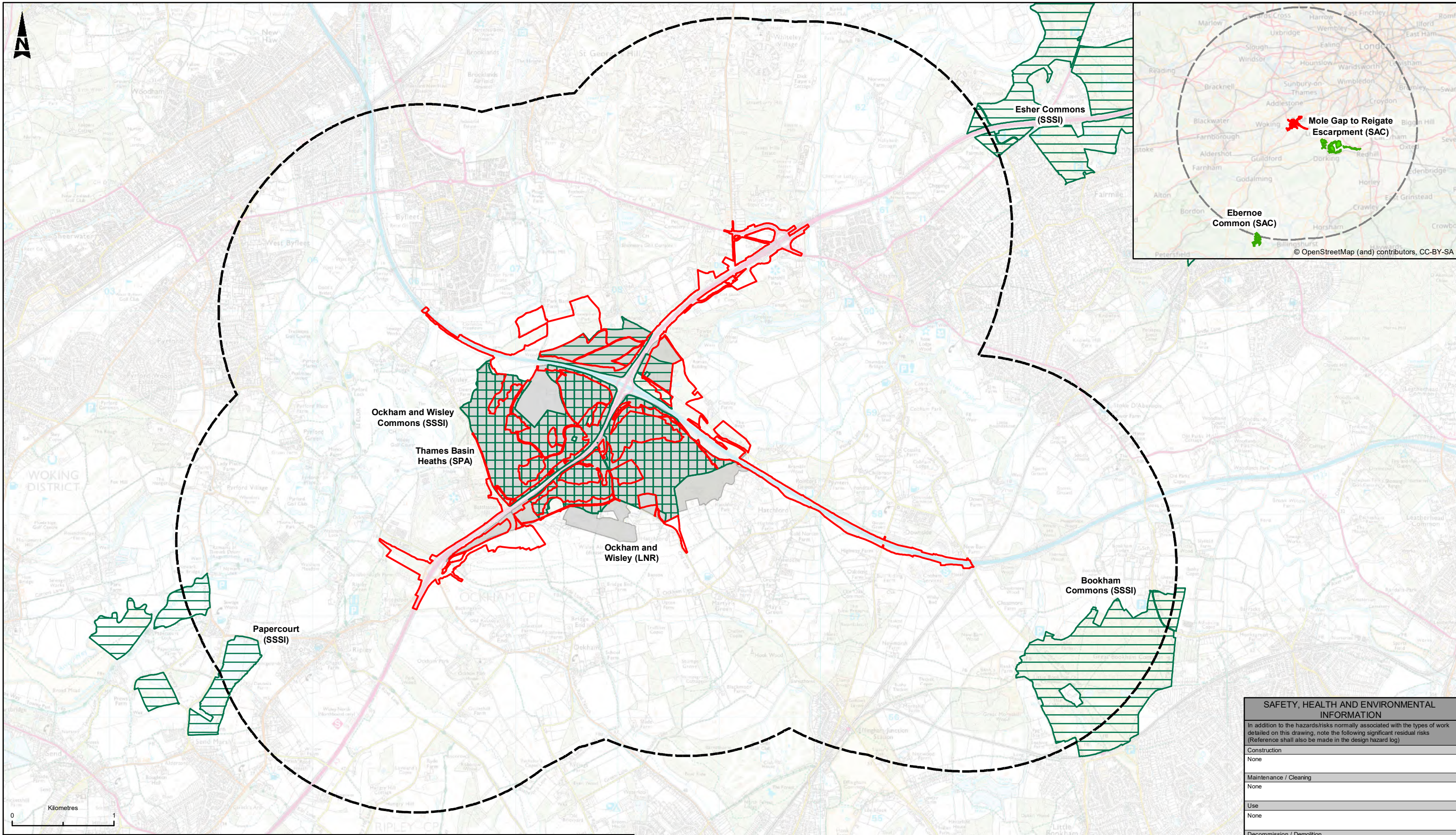
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Drawing Title		FIGURE 7.2 PHASE 1 HABITAT SURVEY SHEET 2 OF 2	
Drawing Number		HE551522 - ATK - EBD XX - GS - GI - 000044	
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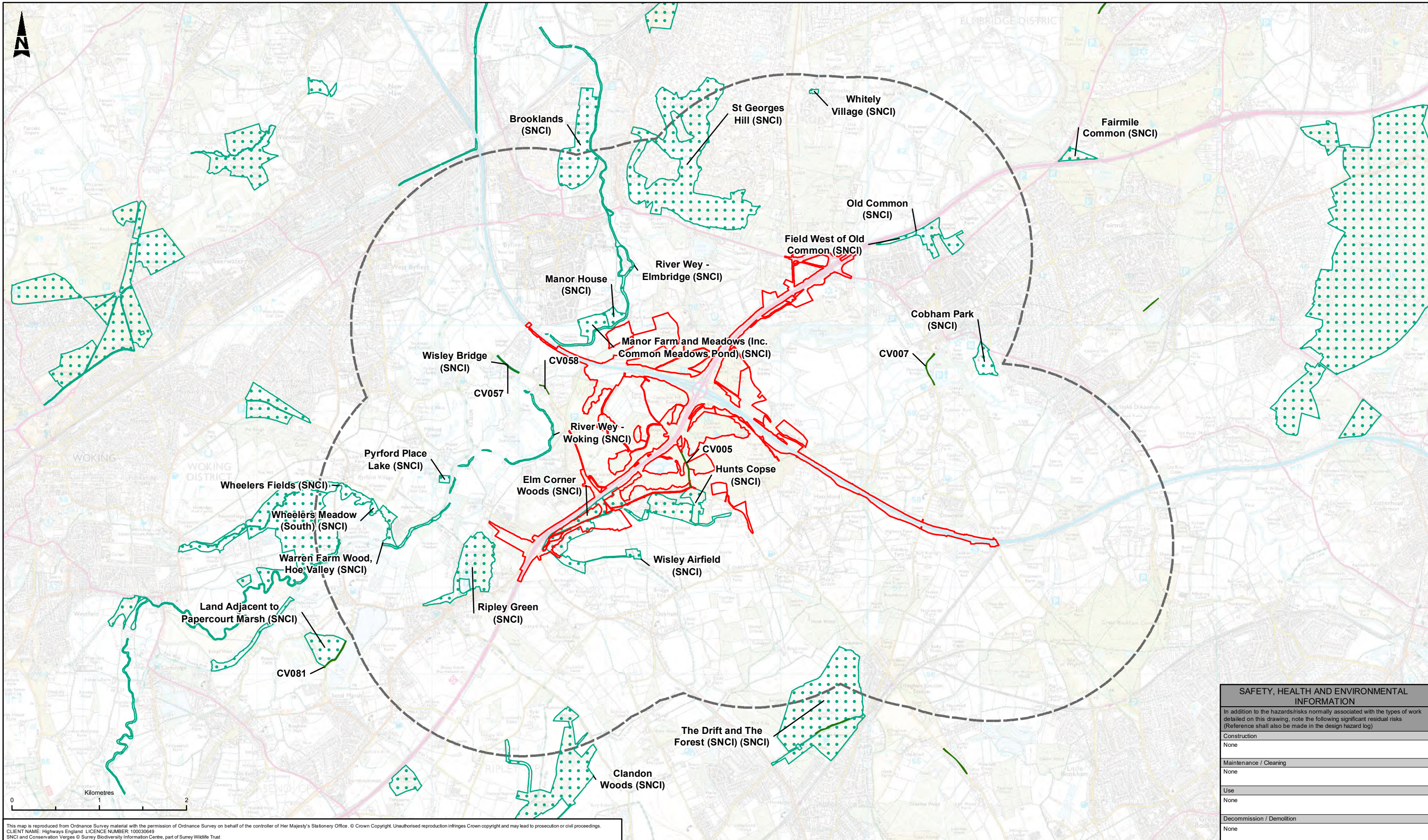
LEGEND	
	DCO Boundary
	2km Search Area for European Sites
	30km Search Area for Special Areas of Conservation (SACs) with Bats as a Qualifying Figure
	Sites of Special Scientific Interest (SSSI)
	Special Protection Area (SPA)
	Special Area of Conservation (SAC)
	Local Nature Reserves (LNR)

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	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 7.3 STATUTORY DESIGNATED SITES WITHIN THE STUDY AREA
Drawing Number	Project: HE551522 - ATK - EBD Originator: XX - GS - GI - 000045 Volume: ---
Original Size: A3	Scale: 1:35,000 Project Ref. No.: --- Sheet: 1 of 1 Rev: C01



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LEGEND

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

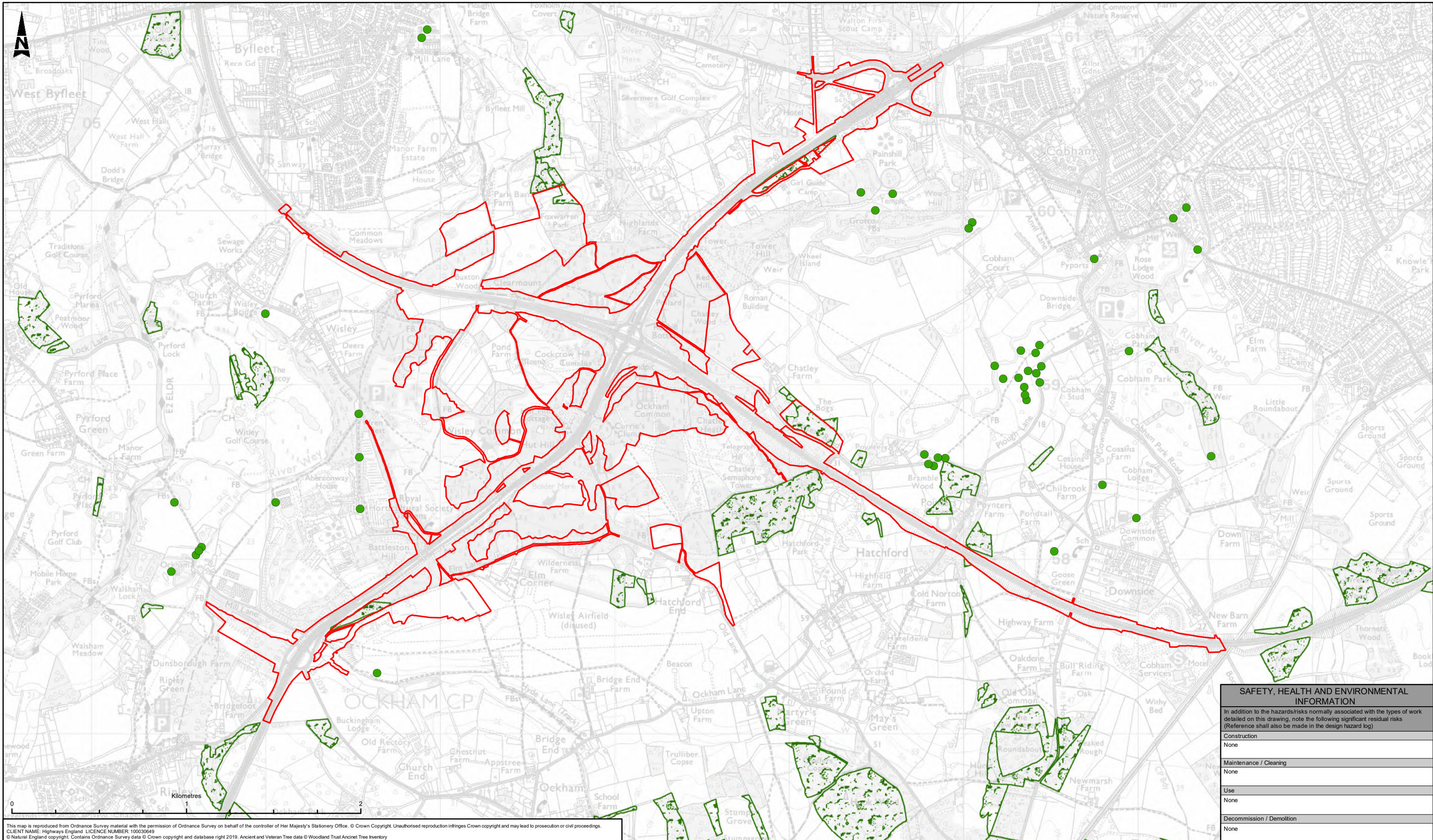
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Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

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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

Drawing Suitability: **PUBLISHED**

Status: **A1**

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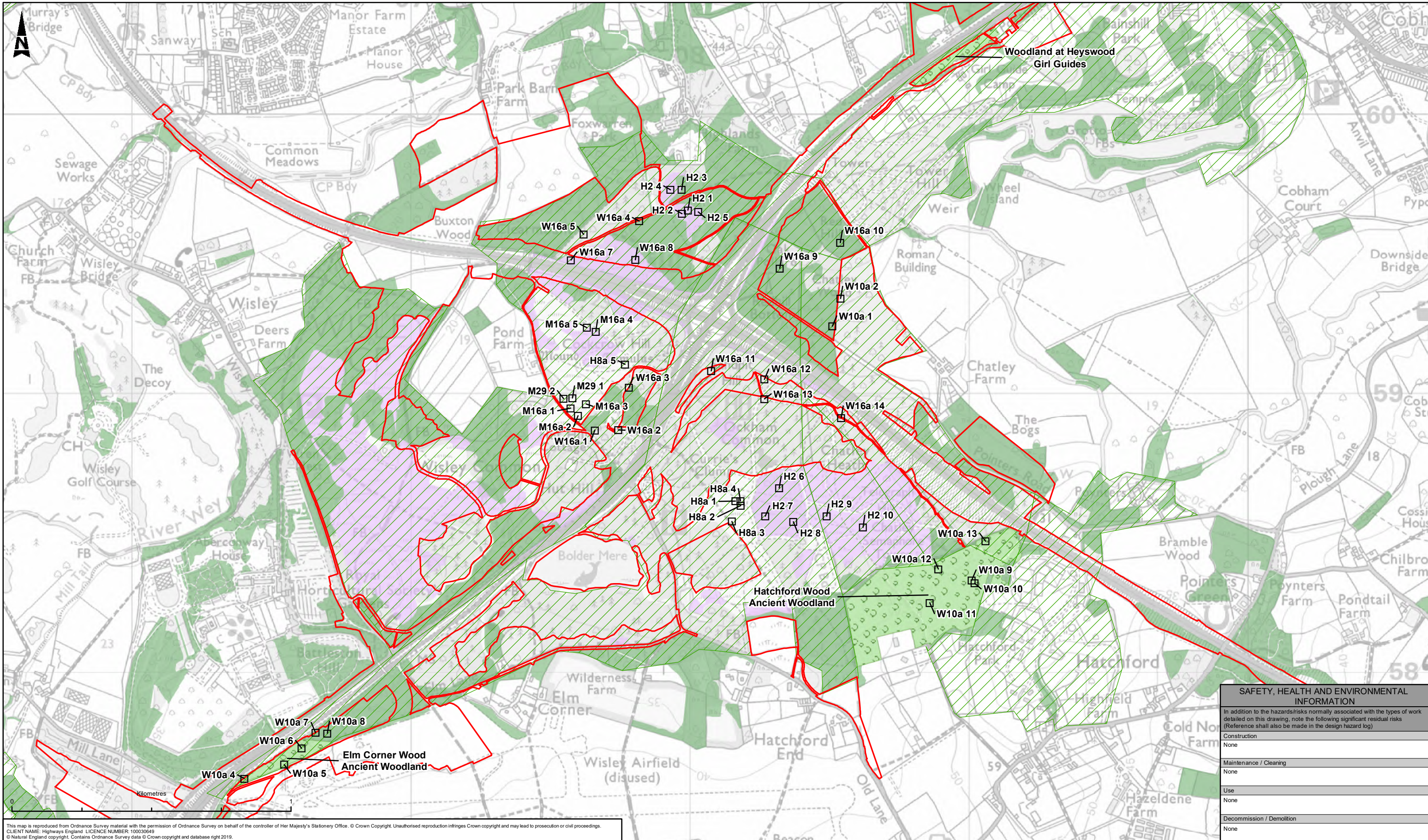
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Project Title		ROAD IMPROVEMENT PROGRAMME M25 Junction 10					
Drawing Title		FIGURE 7.5 ANCIENT WOODLAND AND VETERAN TREES WITHIN THE STUDY AREA					
Drawing Number		Project: HE551522 - ATK - EBD Originator: XX - GS - GI - 000012 Volume: ---					
Original Size: A3	Scale: 1:20,000	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	Habitats of Principle Importance
Ancient Woodland Surveyed	Lowland deciduous woodland
Sample Quadrat	Lowland heathland
	Woodpasture and Parkland

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

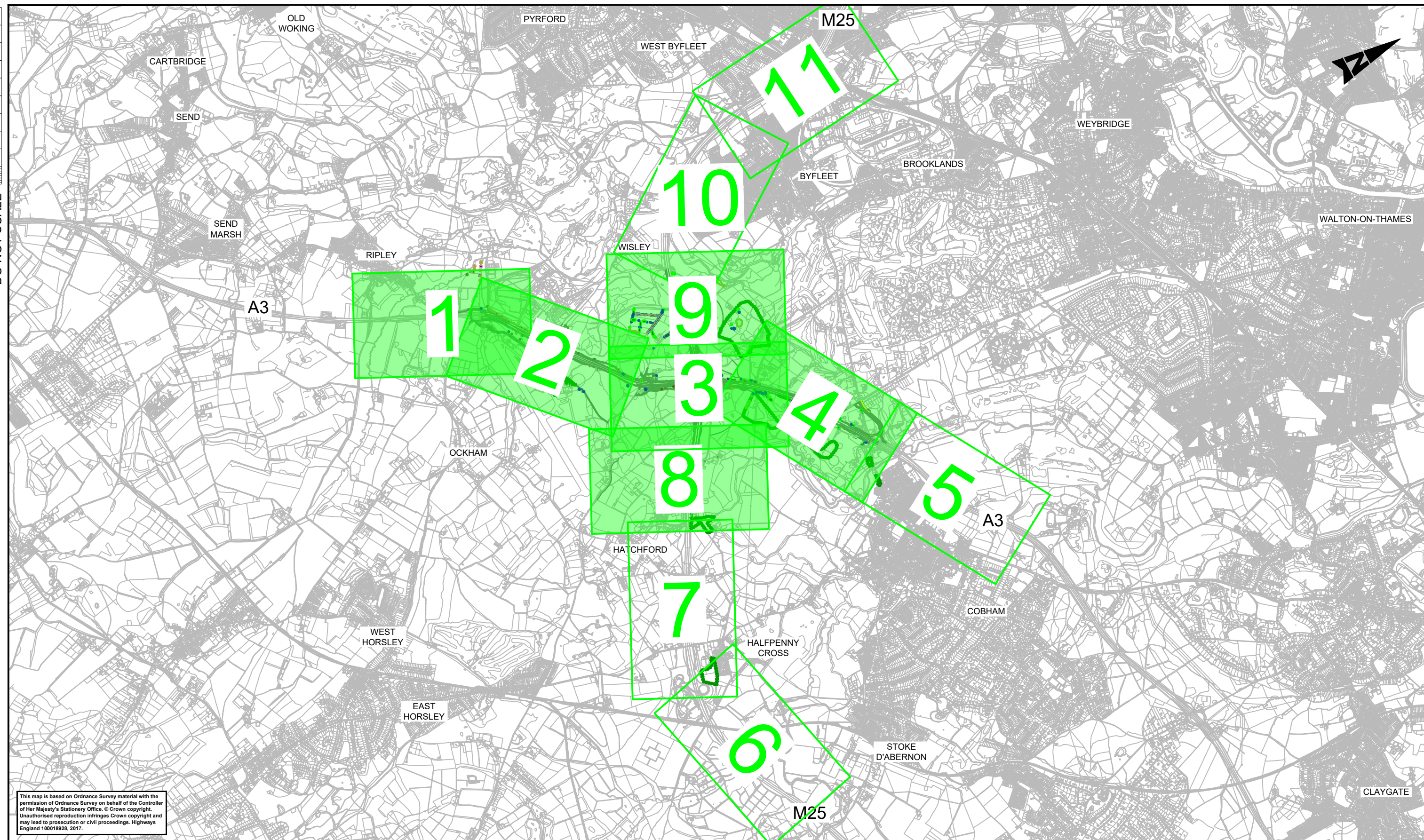
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Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10	
Drawing Title	FIGURE 7.6 NATIONAL VEGETATION CLASSIFICATION SURVEY	
Drawing Number	Project: HE551522 - ATK - EBD	Originator: XX - GS - GI - 000047
Client	Volume	Number
Location	Type	Role
Original Size: A3	Scale: 1:12,500	Project Ref. No: --
Sheet: 1 of 1	Rev: C01	

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LEGEND



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

Drawing Suitability

Status

Project Title: M25 junction 10/A3 Wisley interchange

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

Project: HE551522 - ATK - ELS - XX_KP

Type: - DR - LL - 000001

Number: -

Client: Working on behalf of highways england

Original Size: A1

Scale: AS SHOWN

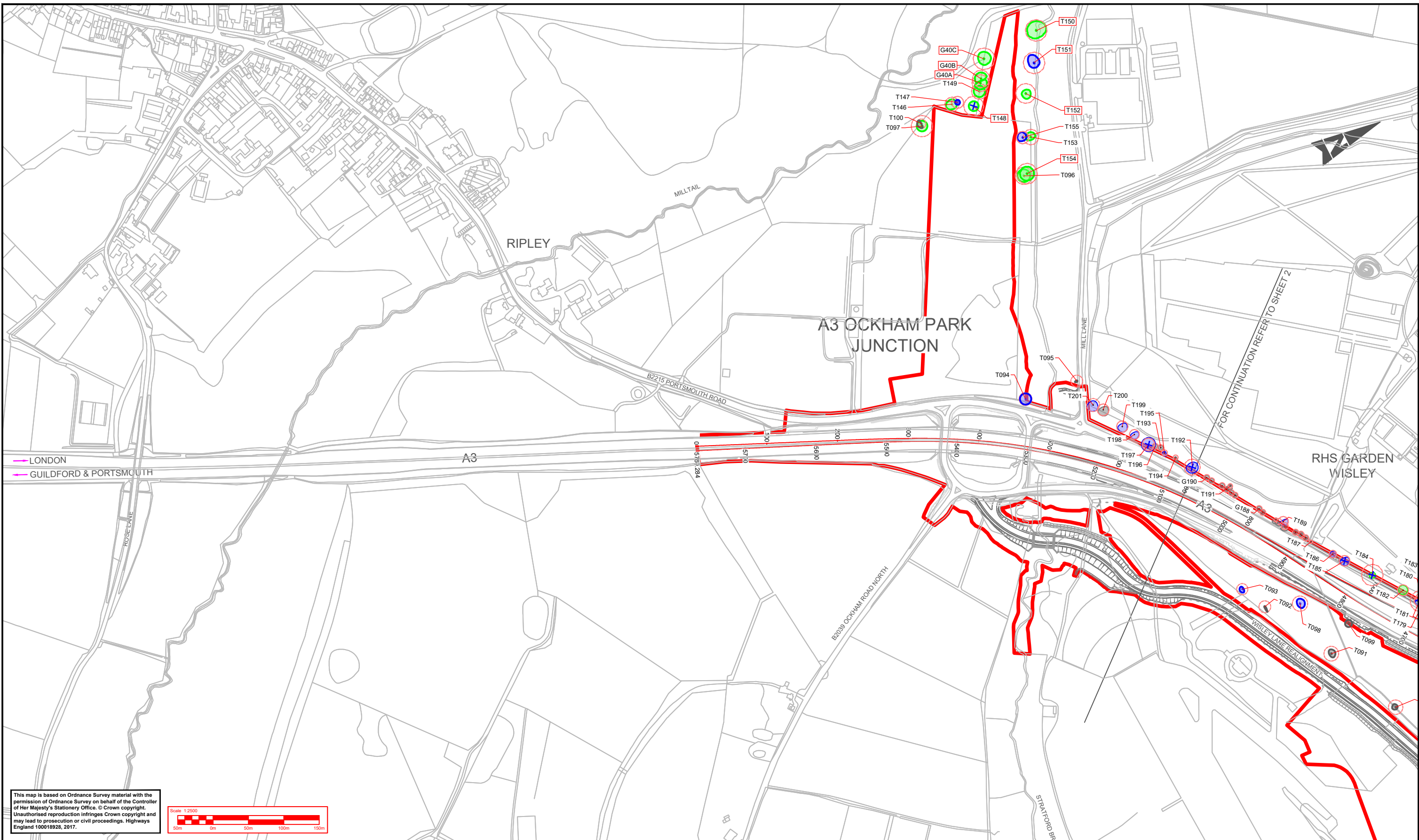
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Sheet: 1 of 1

Rev: P01.1

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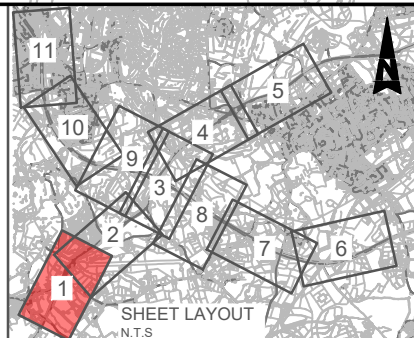
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KEY:		T022 TREE ID		DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY	
	CATEGORY A TREE		T022		DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY
	CATEGORY B TREE		XXXX		TPO SINGLE TREE
	CATEGORY C TREE				TPO AREAS
	CATEGORY U TREE				POTENTIAL REMOVAL / IMPACT
	ROOT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



Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description IN RESPONSE TO SECTION 51 ADVICE							

Drawing Suitability: _____ Status: _____

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

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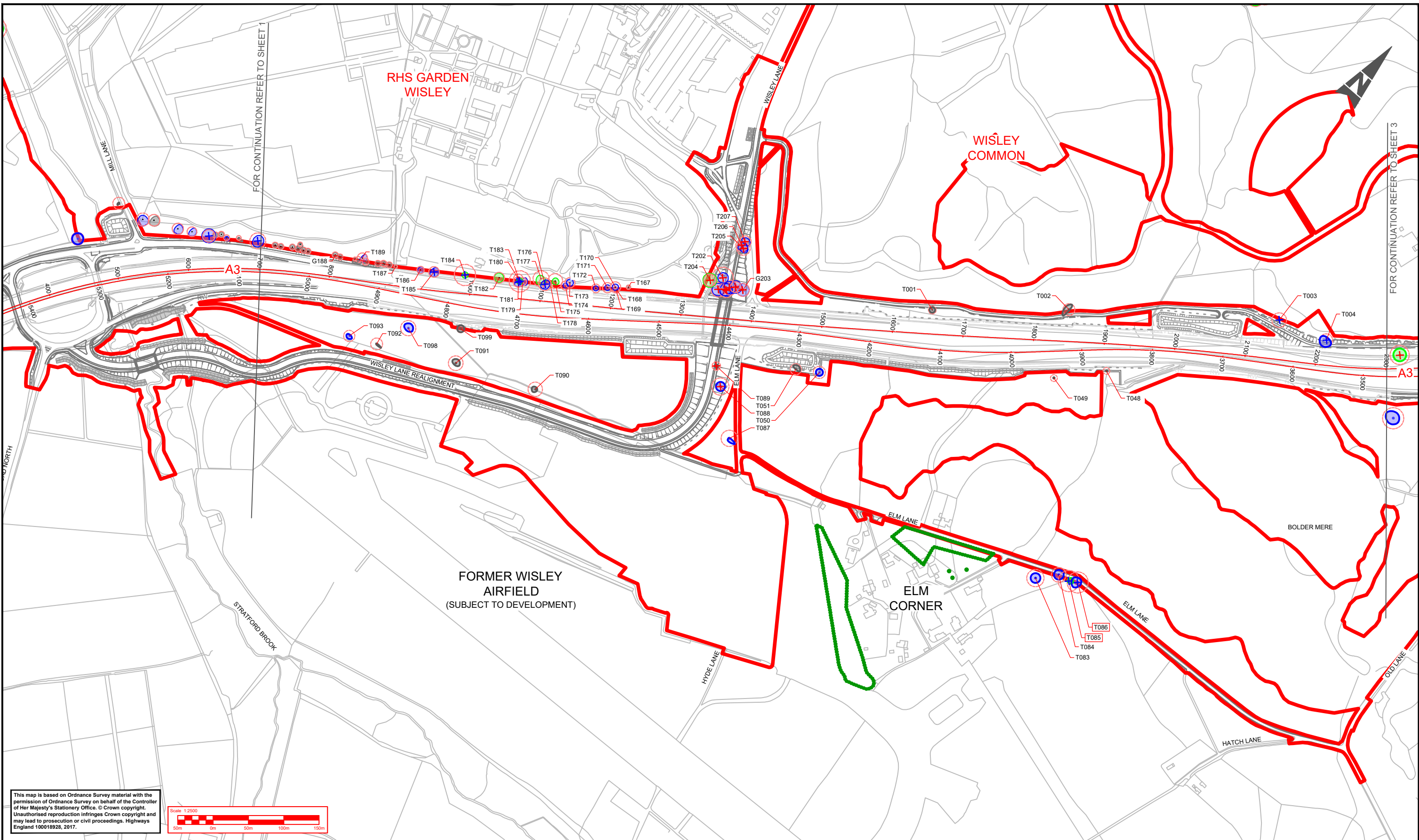
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Drawing Title: FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 1 OF 11	
Project: HE551522 - ATK - ELS -	Volume: A3_ML - DR - LL - 000001
Location: A1	Scale: 1:2500
Project Ref. No: 5158141	Sheet: 1 of 11
Rev. P01.3	

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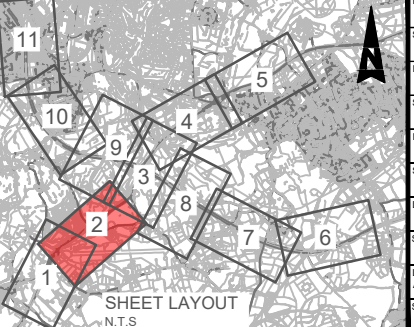
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KEY:

	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: M25 junction 10/A3 Wisley interchange

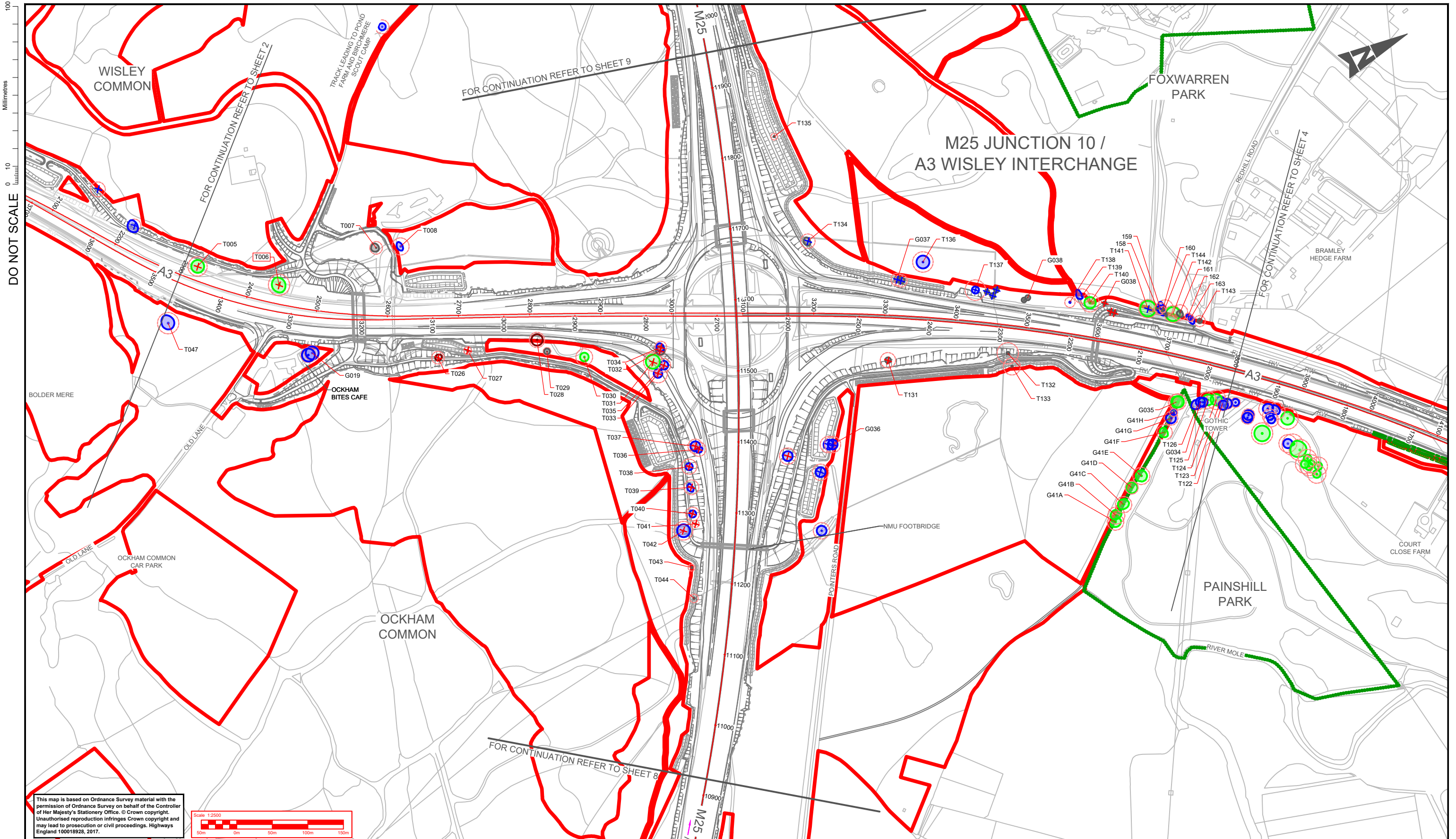
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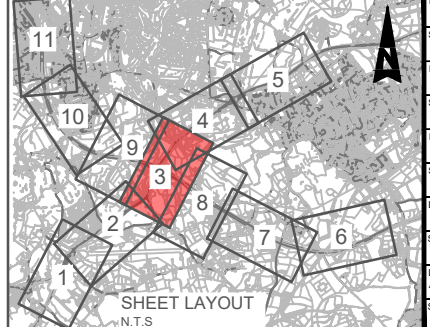
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		Sheet	2 of 11	Rev	P01.3



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



Description	Revision						
	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Additional survey added	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

Drawing Suitability

Status

Project Title

M25 junction 10/A3 Wisley interchange

Drawing Title

FIGURE 7.7
VETERAN, NOTABLE AND TPO TREES
TREE PROTECTION PLAN
SHEET 3 OF 11

Originator

Volume

HE551522 - ATK - ELS -

Type

Role

Number

A3_ML - DR - LL - 000003

Client

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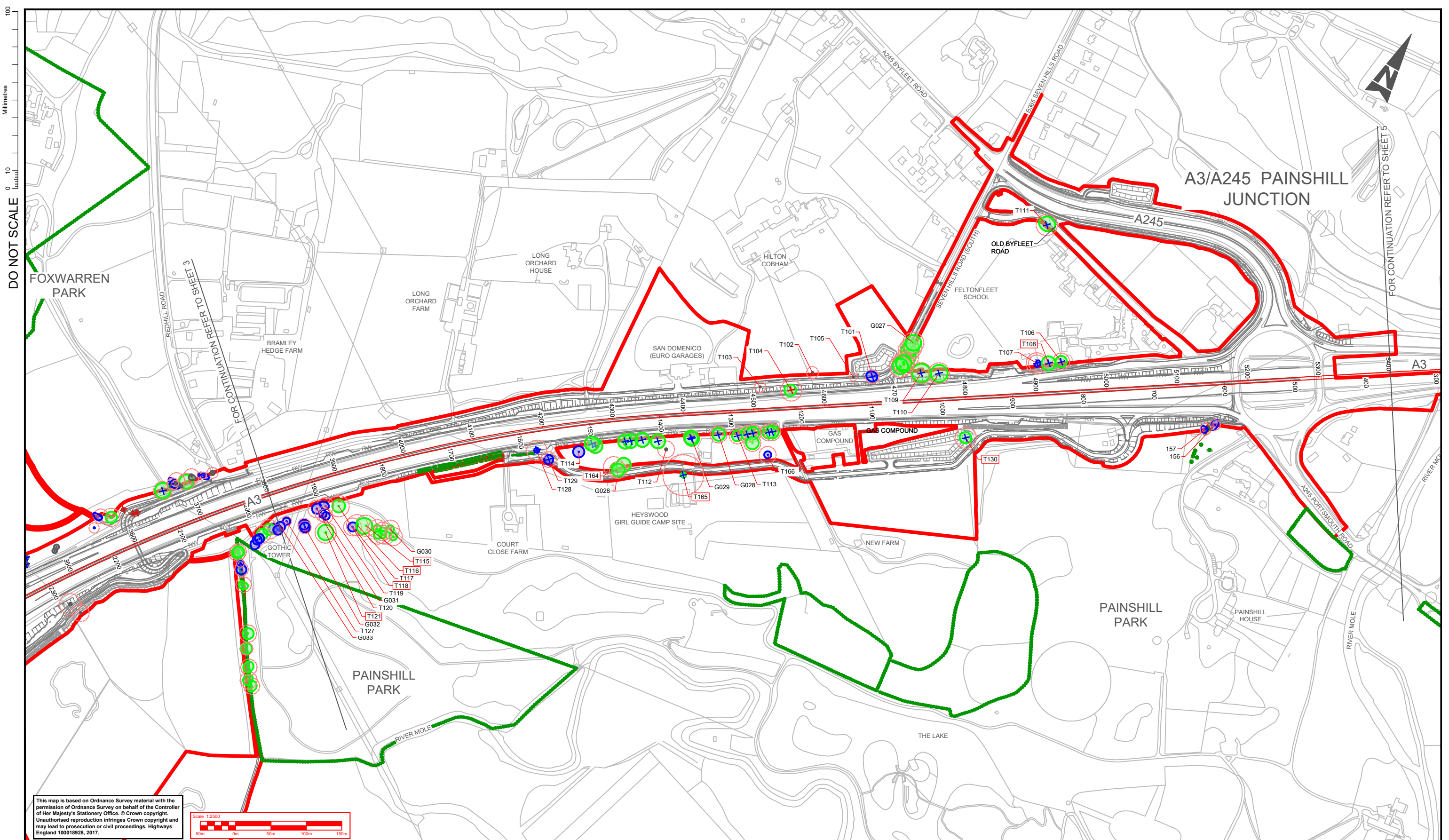
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Rev: P01.3



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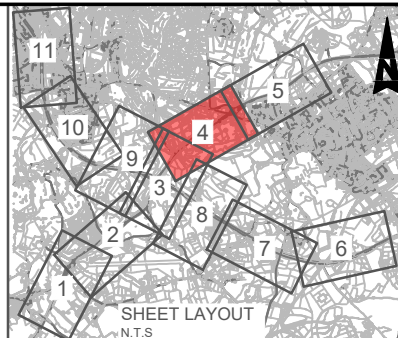
Millimetres
0 10 100

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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	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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Client

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

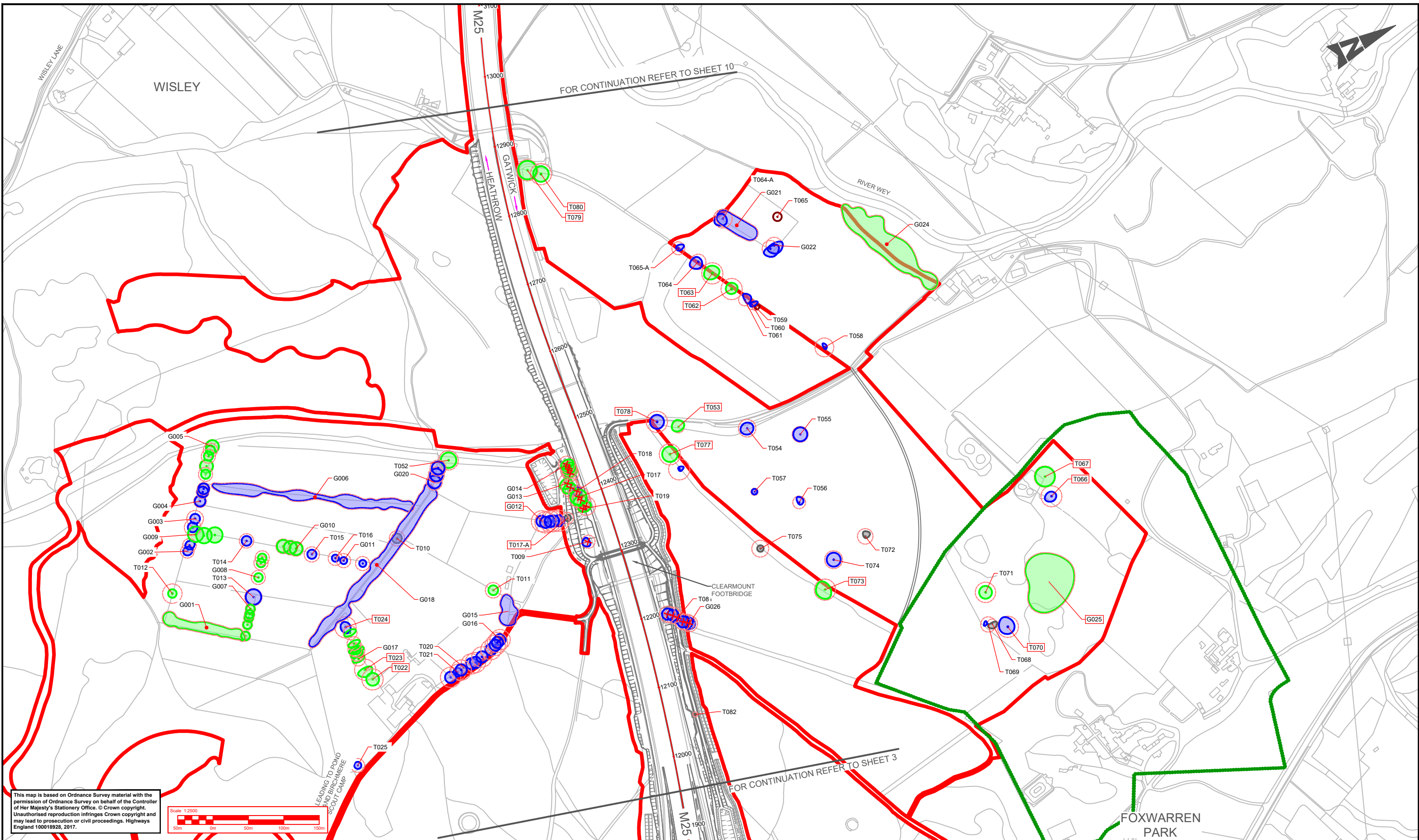
Drawing Title: **FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 4 OF 11**

Drawing Number: **HE551522** - ATK - ELS - A3_ML - DR - LL - 000004

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

DO NOT SCALE

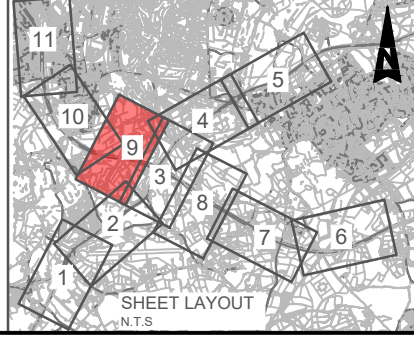
Millimetres
0 10 100



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



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

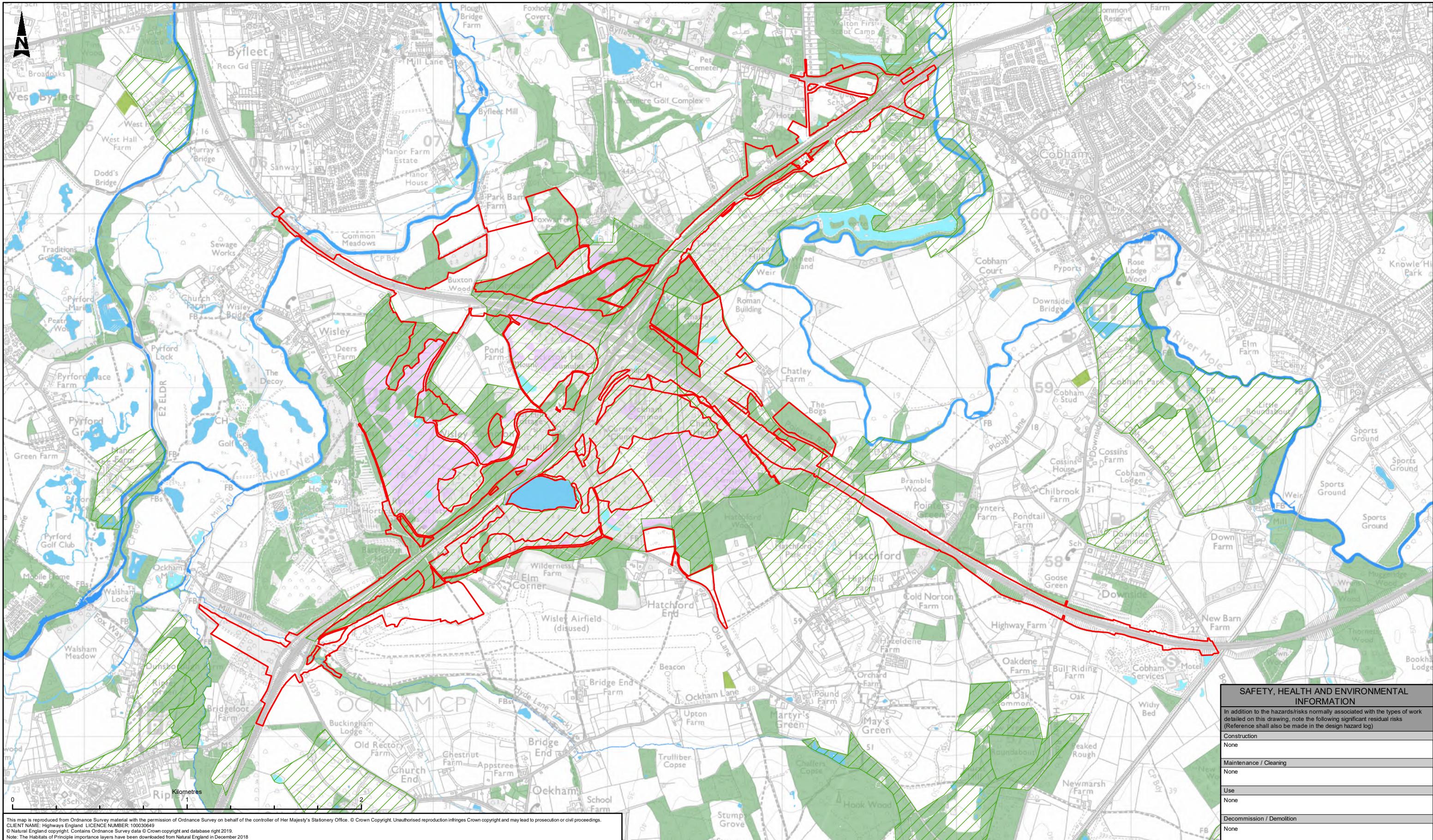
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Project Title M25 junction 10/A3 Wisley interchange			
Drawing Title FIGURE 7.7 VETERAN, NOTABLE AND TPO TREES TREE PROTECTION PLAN SHEET 9 OF 11			
Project	Originator	Volume	
HE551522	ATK	ELS	
Client	Project	Role	Number
M25_ML	DR	LL	000009
Location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



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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

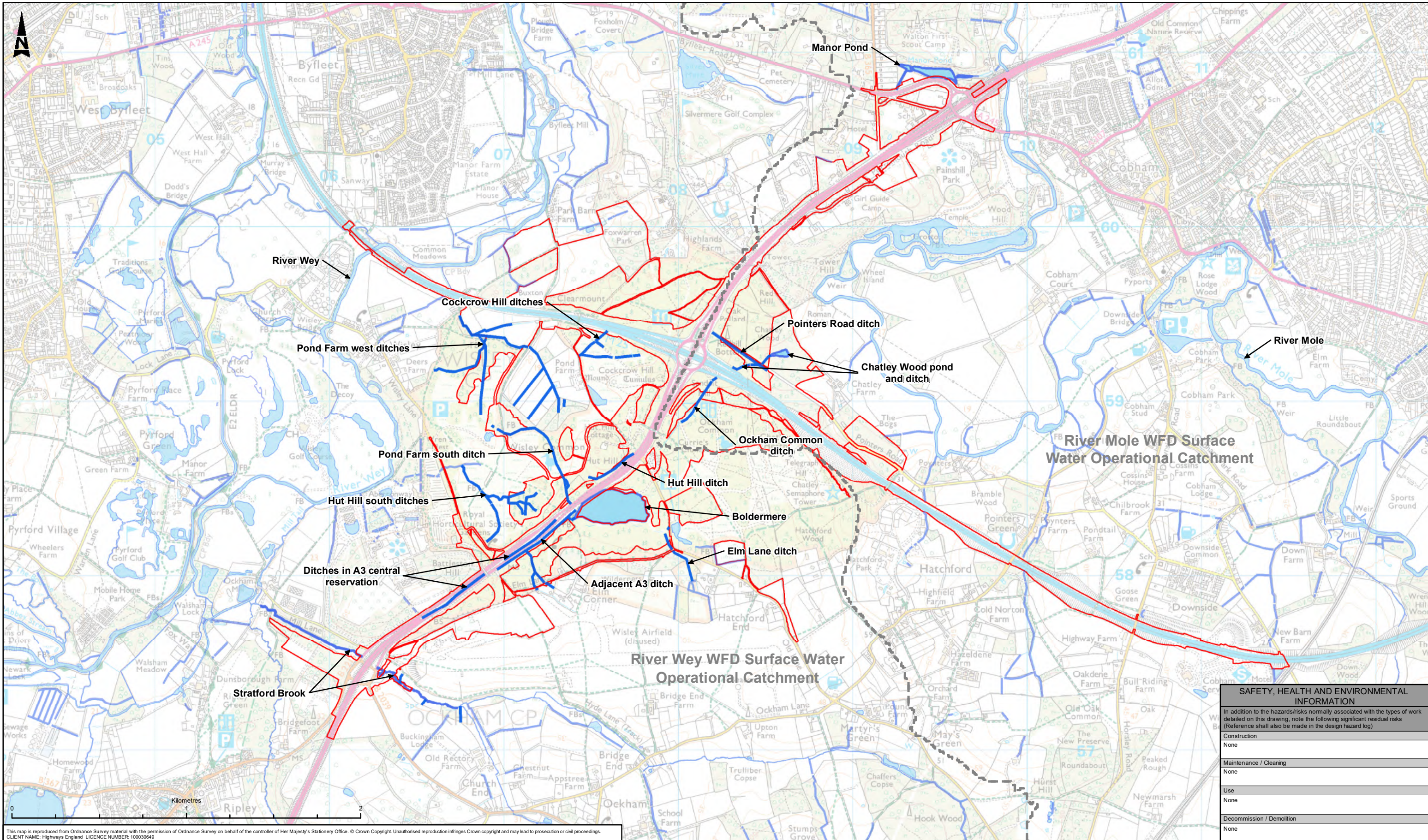
LEGEND	
	DCO Boundary
Habitats of Principle Importance	
	Lowland mixed deciduous woodland
	Lowland heathland
	Traditional orchard
	Woodpasture and Parkland
	Rivers
	Ponds
	Lakes

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	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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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

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

PUBLISHED

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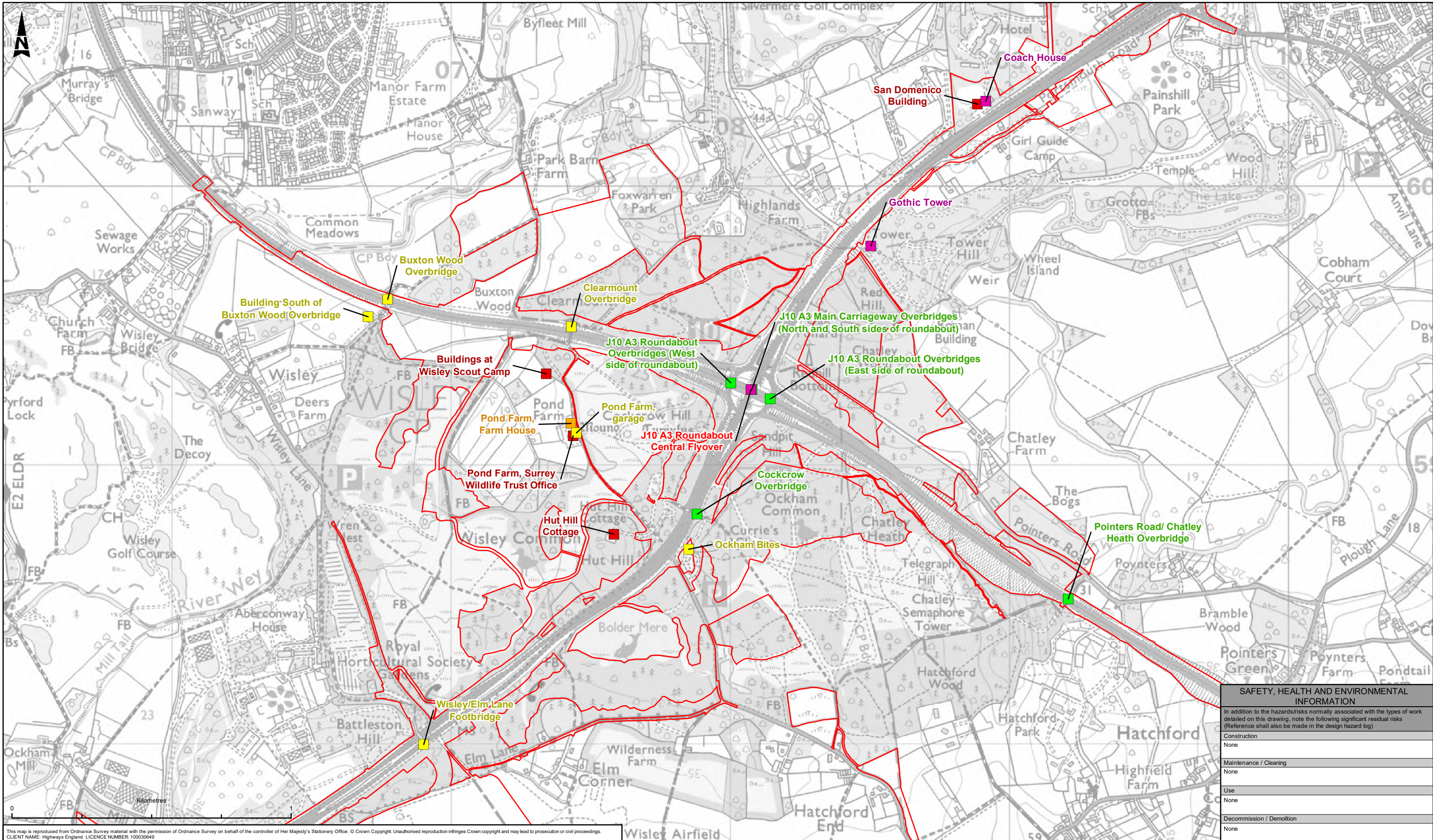
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Project Title	ROAD IMPROVEMENT PROGRAMME M25 Junction 10		
Drawing Title	FIGURE 7.9 WATER FEATURES POTENTIALLY IMPACTED BY SCHEME		
Drawing Number	Project	Originator	Volume
	HE551522 - ATK - EBD	XX - GS - GI - 000048	
Original Size: A3	Scale: 1:20,000	Project Ref. No: --	Sheet: 1 of 1
			Rev: C01



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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
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Construction	None
Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

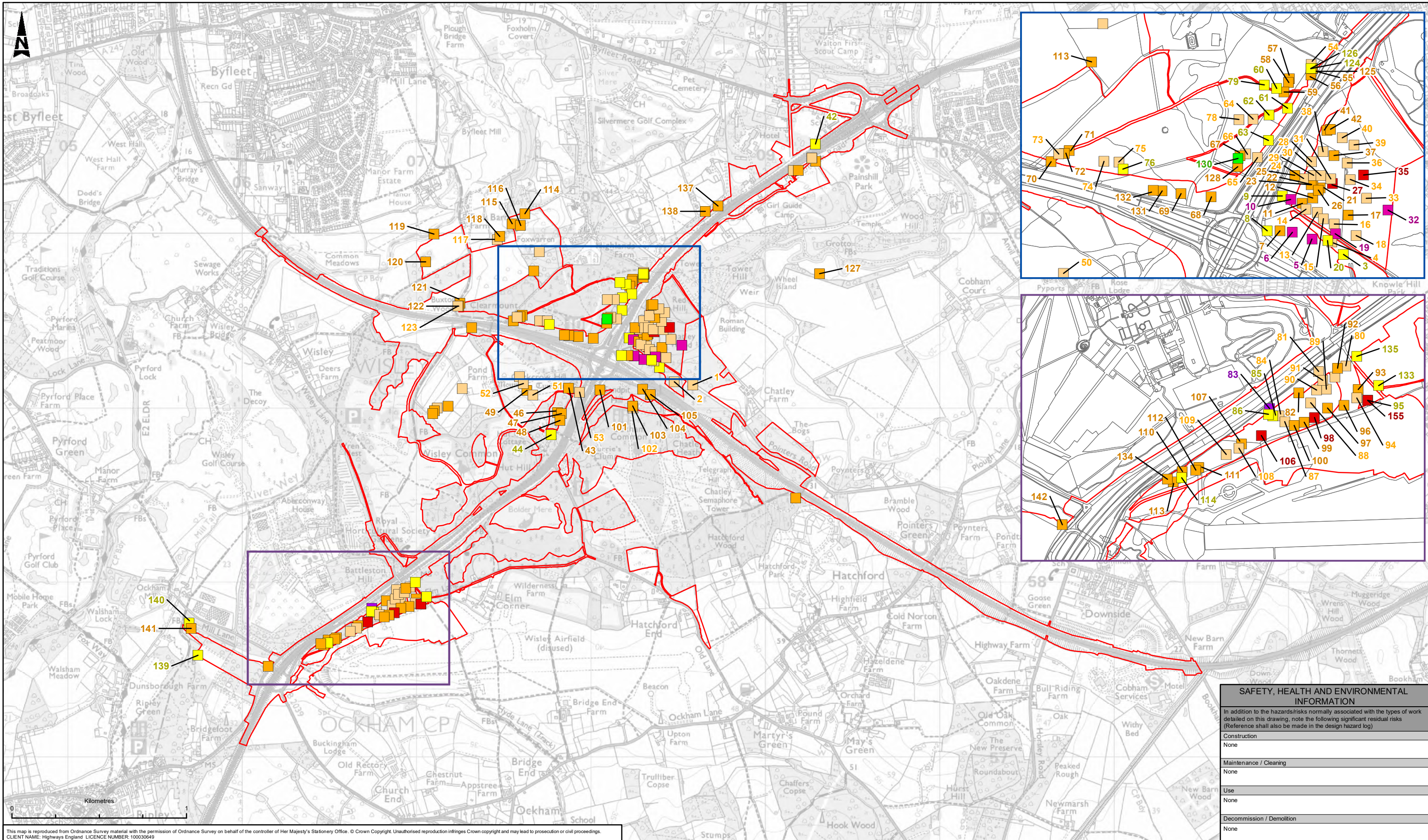
LEGEND							
DCO Boundary							
Roosting Potential							
Confirmed							
High							
Low							
Negligible							
No Access - Not Surveyed							

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	Originator	Volume				
	HE551522 - ATK - EBD	XX - GS - GI - 000049					
Original Size: A3	Scale: 1:12,500	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 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)	Description Status: Revision Drawn Checked Reviewed Authorised Issue Date Description Status: Revision Drawn Checked Reviewed Authorised Issue Date Description Status: Revision Drawn Checked Reviewed Authorised Issue Date Description Status: Revision Drawn Checked Reviewed Authorised Issue Date Description Status: Revision Drawn Checked Reviewed Authorised Issue Date Description Status: Revision Drawn Checked Reviewed Authorised Issue Date	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 7.11 BAT SURVEY RESULTS - TREES
	Client 	Drawing Number Project: HE551522 - ATK - EBD Originator: XX - GS - GI - 000050 Volume: 1 of 1		
	Original Size: A3 Scale: 1:20,000 Project Ref. No.: -- Sheet: 1 of 1 Rev: C01			

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