

A303 Sparkford to Ilchester Dualling Scheme TR010036

Volume 6.8 Environmental Statement Addendum Appendix B - Figures

Planning Act 2008

February 2019

Volume 6.0



Infrastructure Planning

Planning Act 2008

**A303 Sparkford to Ilchester Dualling
Scheme**

Development Consent Order 201[X]

**Environmental Statement Addendum
Appendix B - Figures**

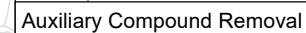
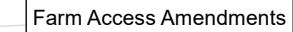
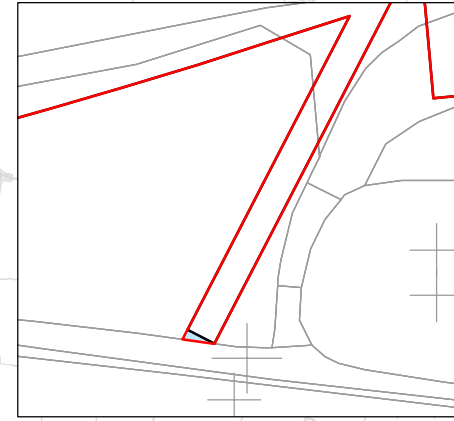
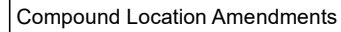
Regulation Number:	
Planning Inspectorate Scheme Reference	TR010036
Application Document Reference	6.8
Author:	A303 Sparkford to Ilchester Dualling Scheme Project Team, Highways England

Version	Date	Status of Version
Rev A	February 2019	ES Addendum Issued

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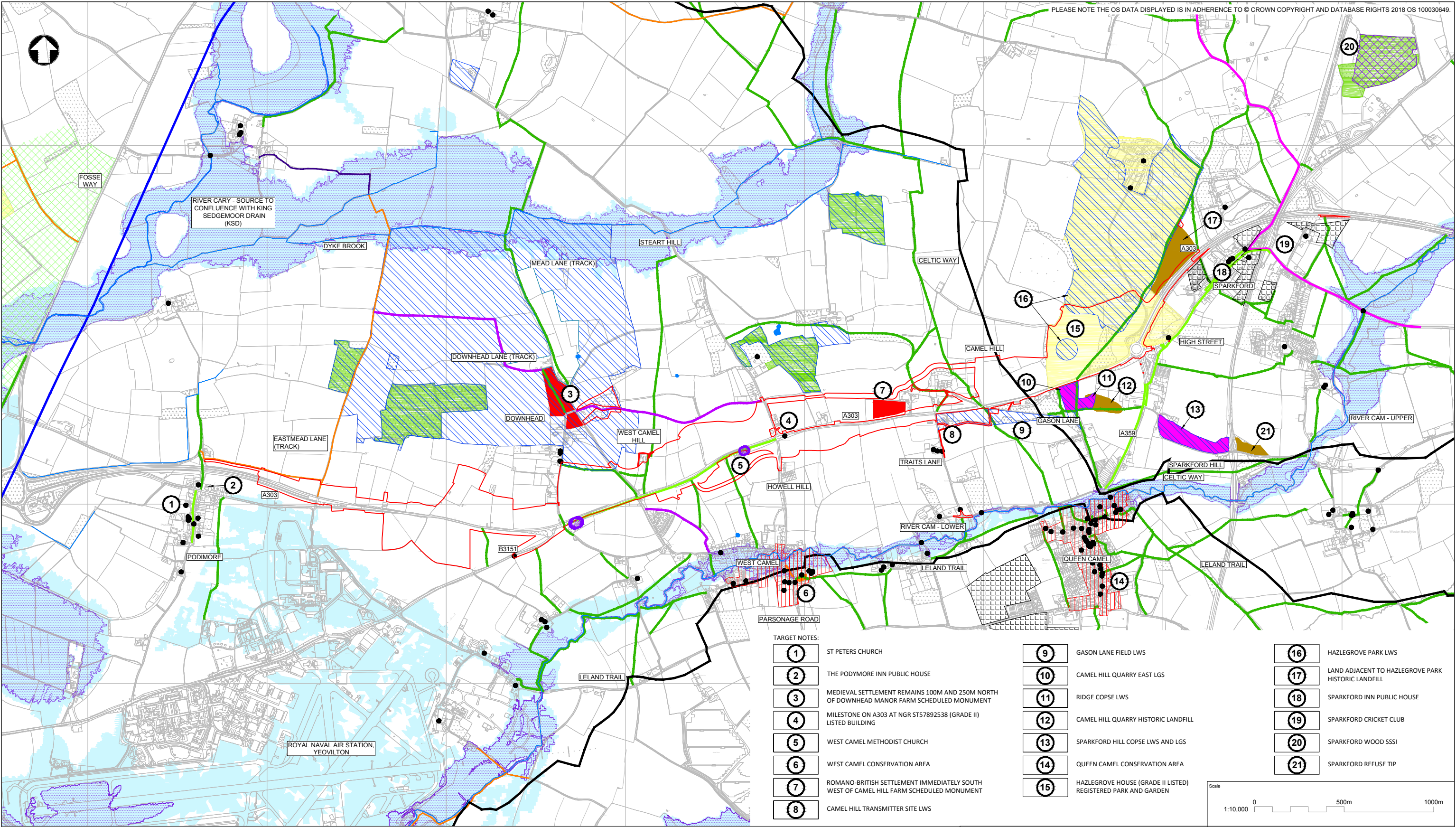
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Figure A2.1 – Revised Red Line Boundary



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Figure A2.2 – Environmental Constraints Plan



KEY:

PROPOSED RED LINE BOUNDARY

LONG DISTANCE FOOTPATH

ROMAN ROAD

FOOTWAY

FOOTPATH

BRIDLEWAY

RESTRICTED BYWAY

CYCLE ROUTE

REGISTERED PARK AND GARDEN

HISTORIC LANDFILL

PONDS, LAKES AND RUNNING WATER

LISTED BUILDING

ANCIENT WOODLAND

NOISE IMPORTANT AREA

SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)

CONSERVATION AREA

SCHEDULED MONUMENT

LOCAL GEOLOGICAL SITE (LGS)

FLOOD ZONE 2

FLOOD ZONE 3

LOCAL WILDLIFE SITE (LWS)
(SOMERSET ENVIRONMENTAL RECORDS CENTRE, JUNE 2017)

NATIONAL TRUST LAND

REGISTERED COMMON LAND

PROPOSED DEVELOPMENTS IDENTIFIED
IN THE SOMERSET DISTRICT COUNCIL HOUSING AND
ECONOMIC LAND AVAILABILITY ASSESSMENT

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TARGET NOTES:

1

2

3

4

5

6

7

8

ST PETERS CHURCH

THE PODYMORE INN PUBLIC HOUSE

MEDIEVAL SETTLEMENT REMAINS 100M AND 250M NORTH OF DOWNHEAD MANOR FARM SCHEDULED MONUMENT

MILESTONE ON A303 AT NGR ST57892538 (GRADE II) LISTED BUILDING

WEST CAMEL METHODIST CHURCH

WEST CAMEL CONSERVATION AREA

ROMANO-BRITISH SETTLEMENT IMMEDIATELY SOUTH WEST OF CAMEL HILL FARM SCHEDULED MONUMENT

CAMEL HILL TRANSMITTER SITE LWS

9

10

11

12

13

14

15

GASON LANE FIELD LWS

CAMEL HILL QUARRY EAST LGS

RIDGE COPSE LWS

CAMEL HILL QUARRY HISTORIC LANDFILL

SPARKFORD HILL COPSE LWS AND LGS

QUEEN CAMEL CONSERVATION AREA

HAZLEGROVE HOUSE (GRADE II LISTED) REGISTERED PARK AND GARDEN

16

17

18

19

20

21

HAZLEGROVE PARK LWS

LAND ADJACENT TO HAZLEGROVE PARK HISTORIC LANDFILL

SPARKFORD INN PUBLIC HOUSE

SPARKFORD CRICKET CLUB

SPARKFORD WOOD SSSI

SPARKFORD REFUSE TIP

Scale

1:10,000

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Project Title

A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title

ENVIRONMENTAL CONSTRAINTS PLAN

Drawing Status

Suitable for Stage Approval

Suitability

S4

Scale

1:10000

Designed

DL

Drawn

D.S.LEE

Checked

Approved

Original Size

A1

Date

17/11/17

Date

04/02/19

Date

Date

Drawing Number

HE PIN

Originator

HE551507 - MMSJV

Volume

-EGN-

Project Ref. No.

389107

000

- DR - LP -

0009

Revision

P07.6

REV.

DATE

AMENDMENT DETAILS

ORIG

CHKD

APPD

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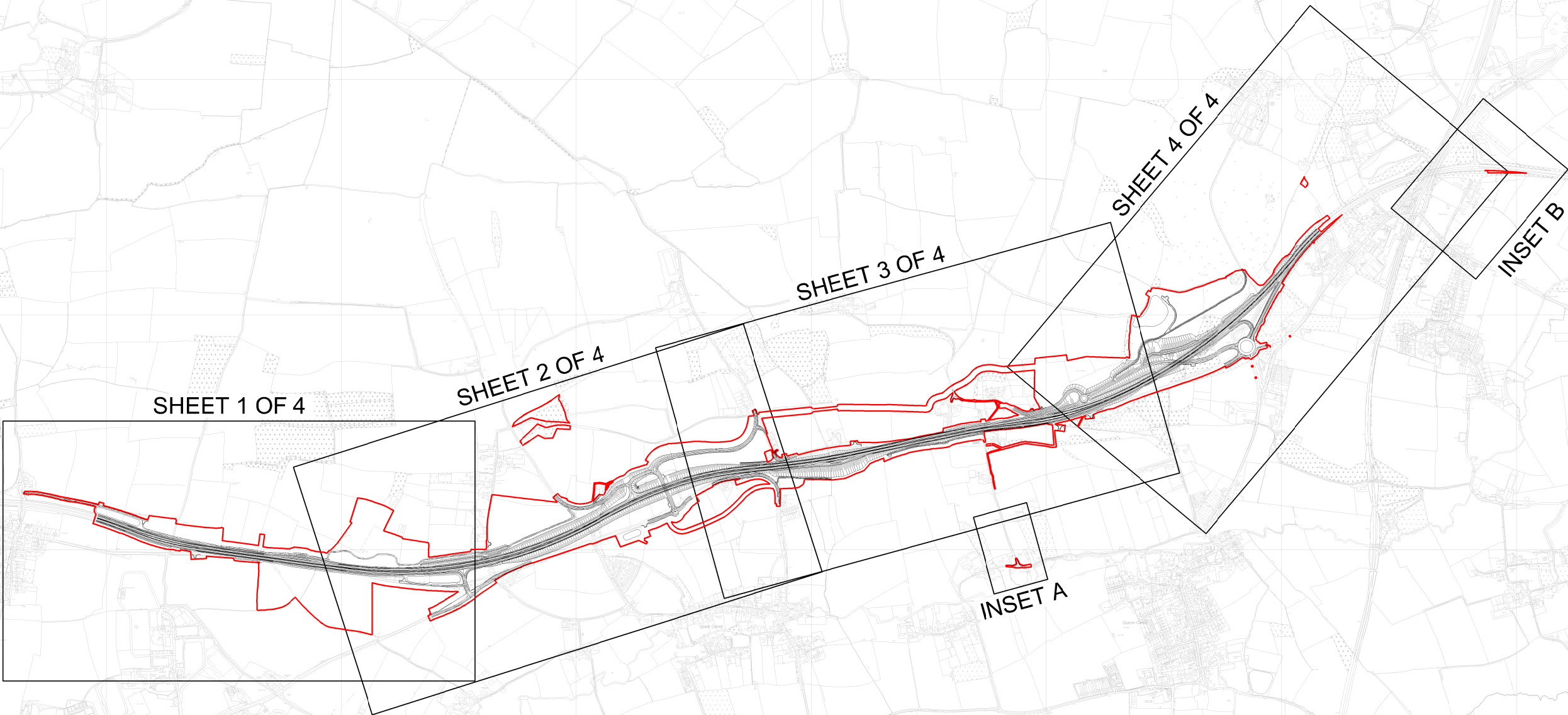
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Figure A2.3 – Temporary Works Plan



100
80
60
40
20
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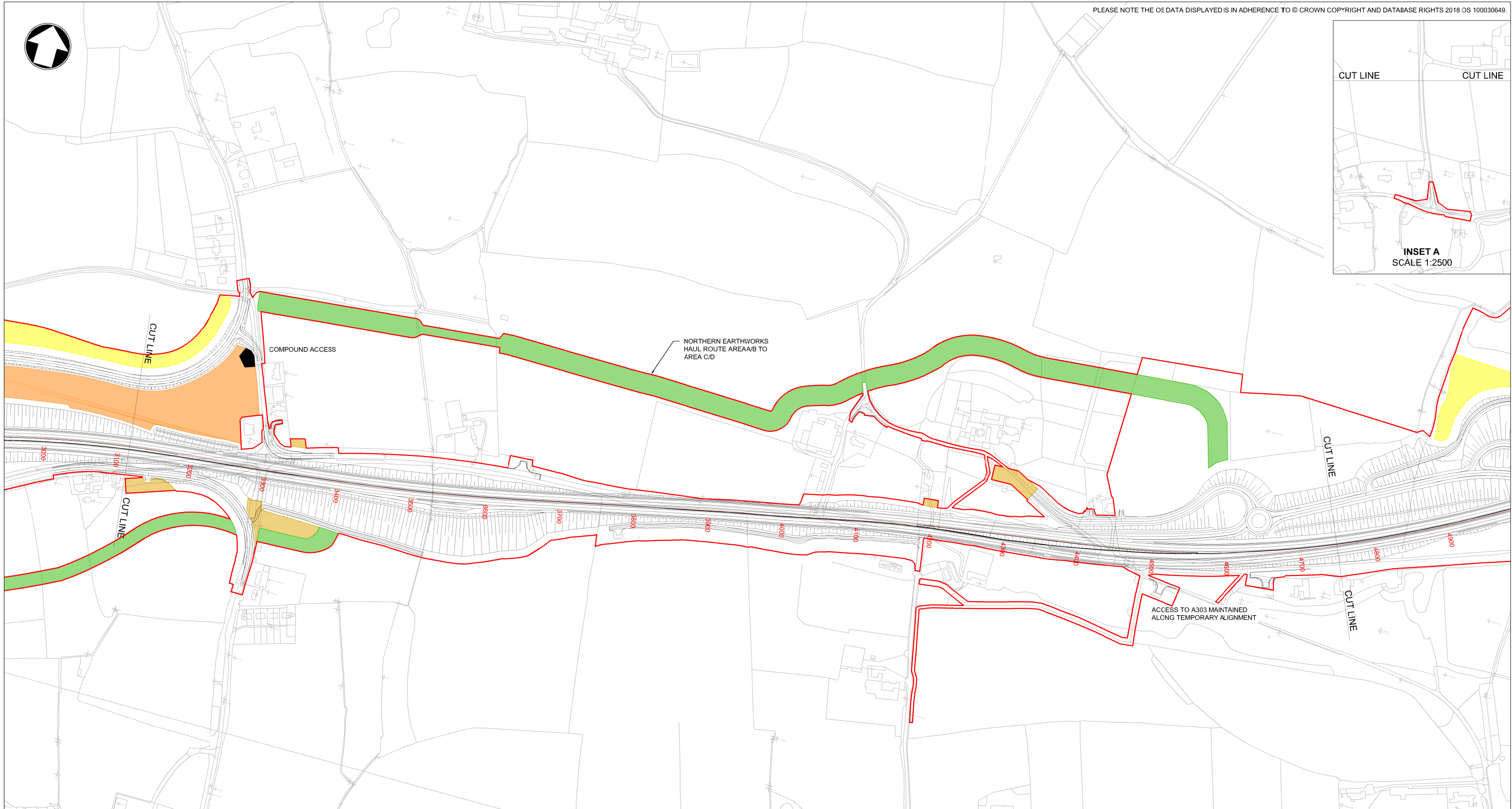
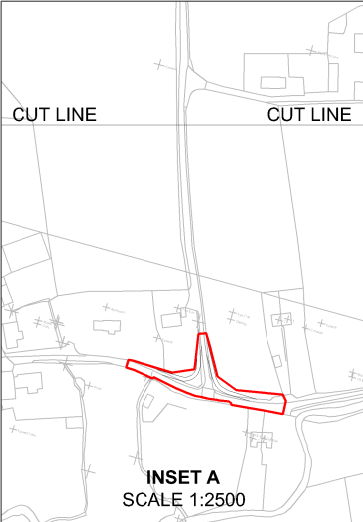
- NOTES
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE
 2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER, IN PARTICULAR THE BOOK OF REFERENCE.

KEY

— DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY

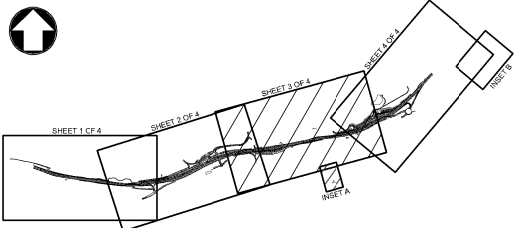
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C02	15/01/19	ES ADDENDUM	MH	CS	ER

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Drawing Title CONSTRUCTION STRATEGY KEY PLAN				
Drawing Status Published - DEFINITION				Suitability A3
Scale 1:2500	Designed MH	Drawn MH	Checked CS	Approved ER
Original Size A1	Date 22/05/18	Date 16/07/18	Date 16/07/18	Date 16/07/18
Drawing Number HE PIN HE551507 - MMSJV - LSI - 000				Project Ref. No. 389107
Volume - DR - UU - 6025				Revision C02
Location Type Role Number				



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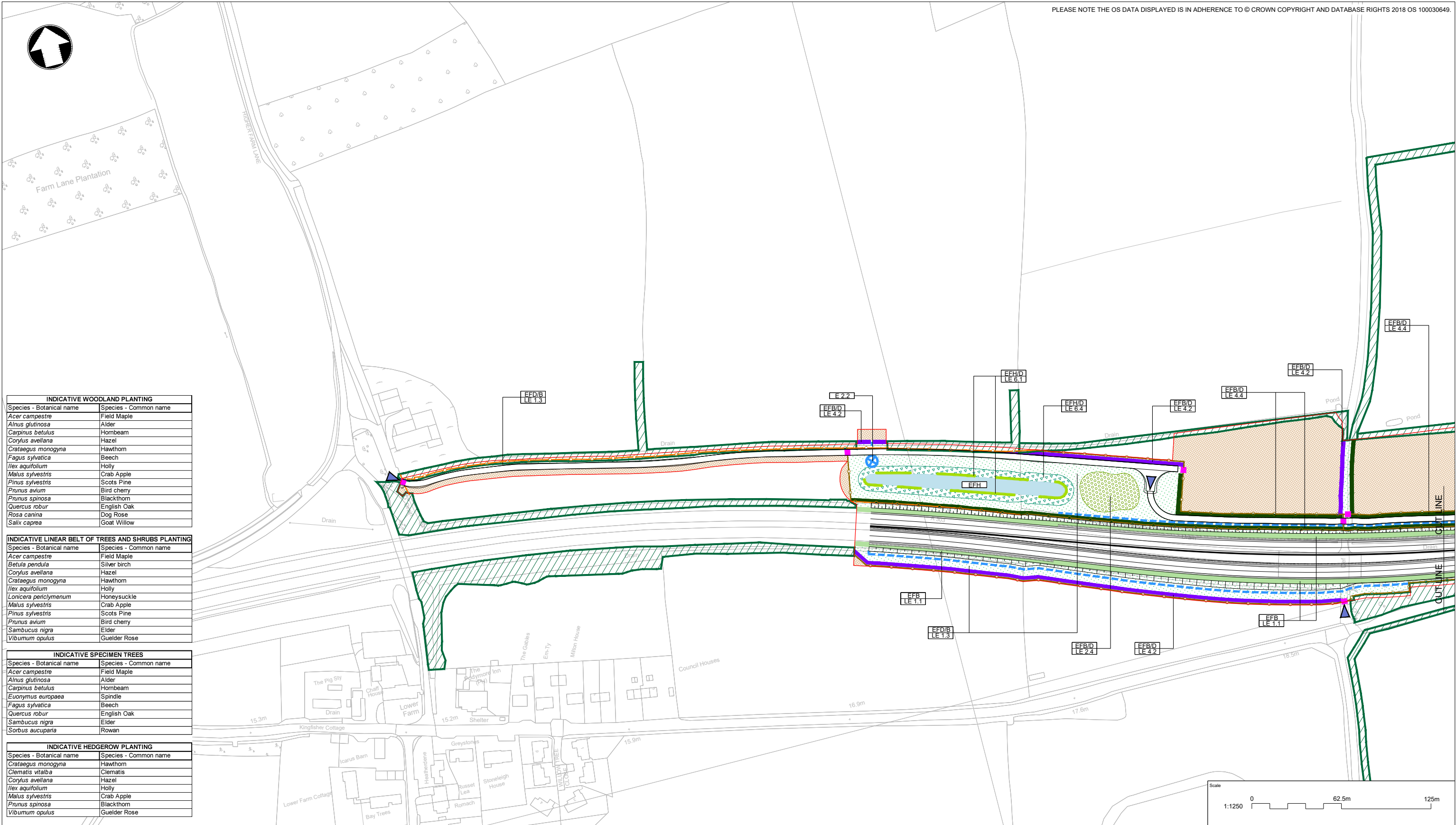
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- SITE COMPOUND
 - HAUL ROUTE
 - UTILITY WAYLEAVES
 - TEMPORARY TOPSOIL STORAGE
 - TEMPORARY ROAD DIVERSION
 - COMPOUND ACCESS
 - DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C01	16/07/18	DCO SUBMISSION	MH	CS	ER
C02	15/01/19	ES ADDENDUM	MH	CS	ER

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Drawing Title LOCATIONS OF TEMPORARY WORKS AREAS REQUIRED DURING CONSTRUCTION SHEET 3 OF 4				
Drawing Status Published - DEFINITION				Suitability A3
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Original Size A1	Date 22/05/18	Date 16/07/18	Date 16/07/18	Date 16/07/18
Drawing Number HE PIN HE551507 - MMSJV - LSI - 000				Project Ref. No. 389107
Location - DR - UU - 6028				Revision C02

Figure A2.4 – Environmental Masterplan



INDICATIVE WOODLAND PLANTING	
Species - Botanical name	Species - Common name
<i>Acer campestre</i>	Field Maple
<i>Alnus glutinosa</i>	Alder
<i>Carpinus betulus</i>	Hornbeam
<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Fagus sylvatica</i>	Beech
<i>Ilex aquifolium</i>	Holly
<i>Malus sylvestris</i>	Crab Apple
<i>Pinus sylvestris</i>	Scots Pine
<i>Prunus avium</i>	Bird cherry
<i>Prunus spinosa</i>	Blackthorn
<i>Quercus robur</i>	English Oak
<i>Rosa canina</i>	Dog Rose
<i>Salix caprea</i>	Goat Willow

INDICATIVE LINEAR BELT OF TREES AND SHRUBS PLANTING	
Species - Botanical name	Species - Common name
<i>Acer campestre</i>	Field Maple
<i>Betula pendula</i>	Silver birch
<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Ilex aquifolium</i>	Holly
<i>Lonicera periclymenum</i>	Honeysuckle
<i>Malus sylvestris</i>	Crab Apple
<i>Pinus sylvestris</i>	Scots Pine
<i>Prunus avium</i>	Bird cherry
<i>Sambucus nigra</i>	Elder
<i>Viburnum opulus</i>	Gelder Rose

INDICATIVE SPECIMEN TREES	
Species - Botanical name	Species - Common name
<i>Acer campestre</i>	Field Maple
<i>Alnus glutinosa</i>	Alder
<i>Carpinus betulus</i>	Hornbeam
<i>Euonymus europaea</i>	Spindle
<i>Fagus sylvatica</i>	Beech
<i>Quercus robur</i>	English Oak
<i>Sambucus nigra</i>	Elder
<i>Sorbus aucuparia</i>	Rowan

INDICATIVE HEDGEROW PLANTING	
Species - Botanical name	Species - Common name
<i>Crataegus monogyna</i>	Hawthorn
<i>Clematis vitalba</i>	Clematis
<i>Corylus avellana</i>	Hazel
<i>Ilex aquifolium</i>	Holly
<i>Malus sylvestris</i>	Crab Apple
<i>Prunus spinosa</i>	Blackthorn
<i>Viburnum opulus</i>	Gelder Rose

INDICATIVE SEED MIXTURES	
Mixture	Seeding rate g/m2
A18: Road Verge and Embankments (Amenity Grassland)	35
A4: Low Maintenance Areas (Woodland & Native Trees and Shrubs)	35
EM5: Meadow Mixture for Loamy Soils (Species Rich Grassland)	4
EM8: Meadow Mixture for Wetlands (Wet Grassland)	4

Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFB	Enhancing the Built Environment
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFB	Auditory Amenity
EFH	Water Quality

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- NOTES
- DO NOT SCALE FROM THIS DRAWING.
 - INDICATIVE SPECIMEN TREES WILL BE EXTRA HEAVY STANDARD, ALL OTHER VEGETATION WILL BE WHIP / TRANSPLANT PLANTING.
 - SPECIMEN TREES PLANTED WITHIN NATIVE HEDGEROWS WITH TREES TO BE STANDARD SIZE SPECIMEN TREES AT 5m SPACING AND COMPRISE FIELD MAPLE, HORNBEAM AND BEECH.
 - ALL THE PROPOSED SPECIMEN TREES IN HAZLEGROVE REGISTERED PARK AND GARDEN (RPG) SHOULD BE ENGLISH OAK, THIS TYPE OF TREE IS ONLY TO BE USED IN RPG UNLESS OTHERWISE SHOWN ON THE DRAWING.
 - ALL AREAS OF NATIVE TREES AND SHRUBS, AND WOODLAND WILL BE UNDERSEEDED WITH GERMINAL, A4 LOW MAINTENANCE AREA GRASS MIX. PLANTS ARE TO BE PLANTED AT 2m CENTRES AND IN HAZLEGROVE RPG AT 1.5m CENTRES.
 - PROPOSED MARGINAL PLANTING IS TO BE COMPOSED OF PRE-PLANTED PROPRIETARY SALIX COIR PALLET.
 - THE ENVIRONMENTAL FUNCTIONS PROVIDED ARE INFORMED BY THE DMRB VOLUME 10, SECTION 0 PART 2.
 - THE LANDSCAPE AND ENVIRONMENTAL ELEMENTS PROVIDED ARE INFORMED BY THE DMRB VOLUME 10, SECTION 0 PART 3 AND 4.

KEY TO SYMBOLS

- REDLINE BOUNDARY
- PROPOSED WOODLAND LE 2.1
- PROPOSED LINEAR BELTS OF TREES AND SHRUBS LE 2.4
- REINSTATE TO PREVIOUS CONDITIONS
- PROPOSED MARGINAL PLANTING LE 6.1
- PROPOSED AMENITY GRASSLAND LE1.1
- PROPOSED WILDFLOWER AND SPECIES RICH GRASSLAND LE 1.3
- PROPOSED WET GRASSLAND LE 6.4
- PROPOSED NATIVE HEDGEROW WITH INTERMITTENT TREES LE 4.4
- PROPOSED NATIVE HEDGEROW LE 4.2

PROPOSED ATTENUATION POND E 2.1

PROPOSED WILDLIFE POND LE 6.1

PROPOSED INDIVIDUAL TREE LE 5.1

EXISTING VEGETATION TO BE RETAINED

PROPOSED BADGER TUNNEL E 3.2

BAT FLIGHT PATH

PROPOSED ENVIRONMENTAL BARRIER (2m HEIGHT) E 1.2

PROPOSED HIBERNACULA E 3.2

PROPOSED MAINTENANCE ACCESS

NOISE REDUCING EARTHWORKS E 1.3

PROPOSED DRAINAGE DITCH LE 6.2

PROPOSED SURFACE WATER OUTFALLS E 2.2

EXISTING FENCE

PROPOSED FENCE

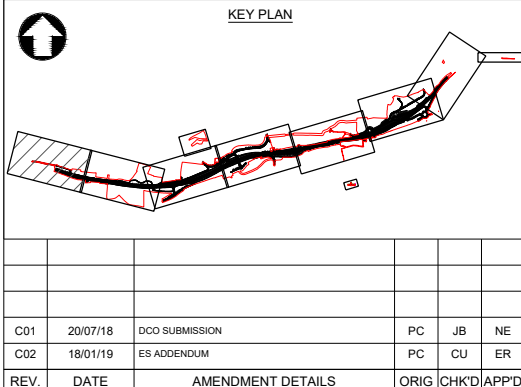
PROPOSED BADGER FENCE

PROPOSED WALL

PROPOSED GATE

PROPOSED CATTLE GRID

ENVIRONMENTAL FUNCTION LANDSCAPE AND ENVIRONMENTAL ELEMENTS



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Project Title

A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title

ENVIRONMENTAL MASTERPLAN SHEET 1 OF 7

Drawing Status

Published - DEFINITION

Suitability

A3

Scale

1:1250

Designed

PC

Drawn

PC

Checked

JB

Approved

NE

Original Size

A1

Date

01/05/18

Date

20/07/18

Date

20/07/18

Date

20/07/18

Drawing Number

HE PIN

Originator

HE551507 - MMSJV

Volume

- ELS -

Project Ref. No.

389107

Revision

C02

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HE551507 - MMSJV

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Role

LL

Number

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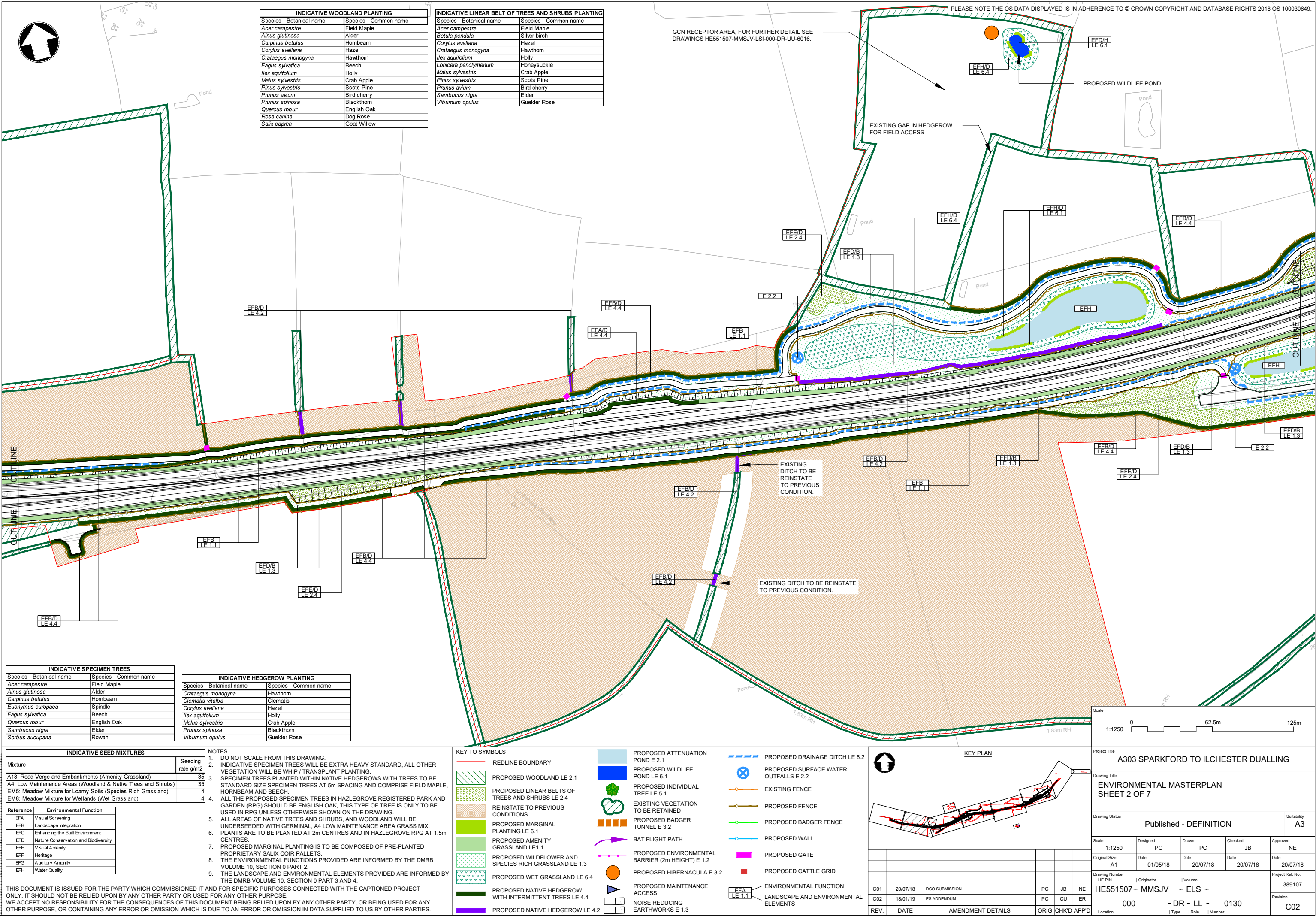
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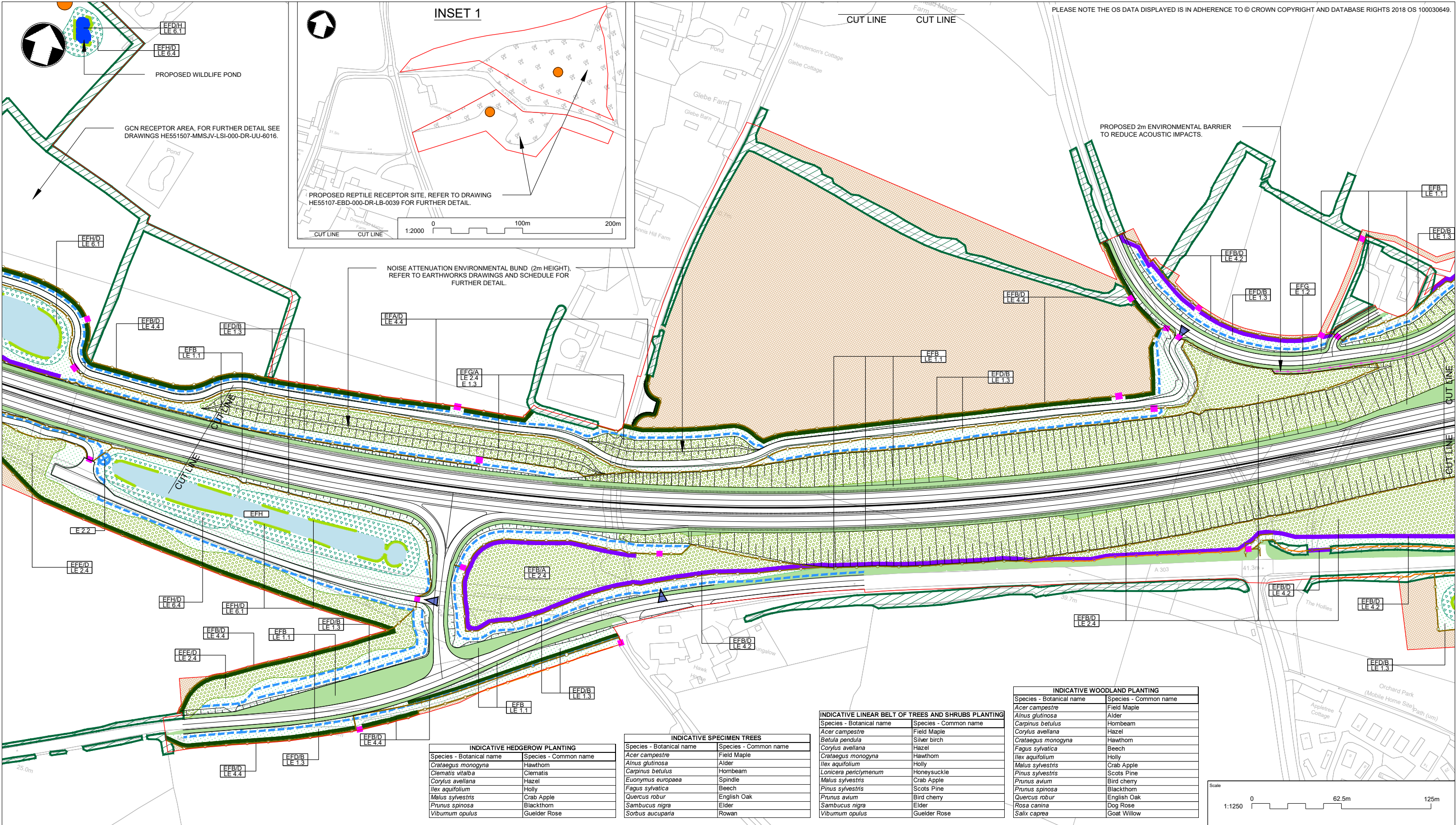
AMENDMENT DETAILS

ORIG

CHKD

APP'D





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- PROPOSED ATTENUATION POND E 2.1
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- PROPOSED INDIVIDUAL TREE LE 5.1
- EXISTING VEGETATION TO BE RETAINED
- PROPOSED BADGER TUNNEL E 3.2
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- PROPOSED MAINTENANCE ACCESS
- NOISE REDUCING EARTHWORKS E 1.3
- PROPOSED DRAINAGE DITCH LE 6.2
- PROPOSED SURFACE WATER OUTFALLS E 2.2
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED BADGER FENCE
- PROPOSED WALL
- PROPOSED GATE
- PROPOSED CATTLE GRID
- ENVIRONMENTAL FUNCTION
- LANDSCAPE AND ENVIRONMENTAL ELEMENTS

KEY PLAN

Project Title
A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title
ENVIRONMENTAL MASTERPLAN
SHEET 3 OF 7

Drawing Status
Published - DEFINITION

Scale
1:1250

Designated
PC

Drawn
PC

Checked
JB

Approved
NE

Original Size
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Date
01/05/18

Date
20/07/18

Date
20/07/18

Date
20/07/18

Drawing Number
HE PIN

Originator
HE551507 - MMSJV

Volume
- ELS -

Project Ref. No.
389107

Revision
C02

REV.
C01

DATE
20/07/18

AMENDMENT DETAILS
DCO SUBMISSION

ORIG
PC

CHKD
JB

APPD
NE

Location
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Type
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Role
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Number
0131

Location
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Type
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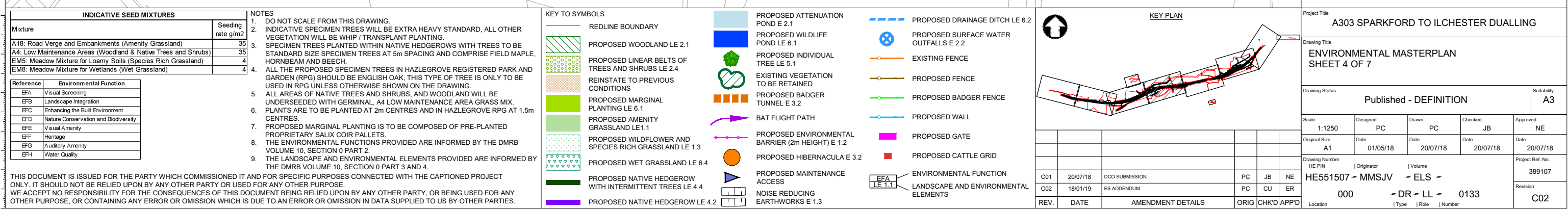
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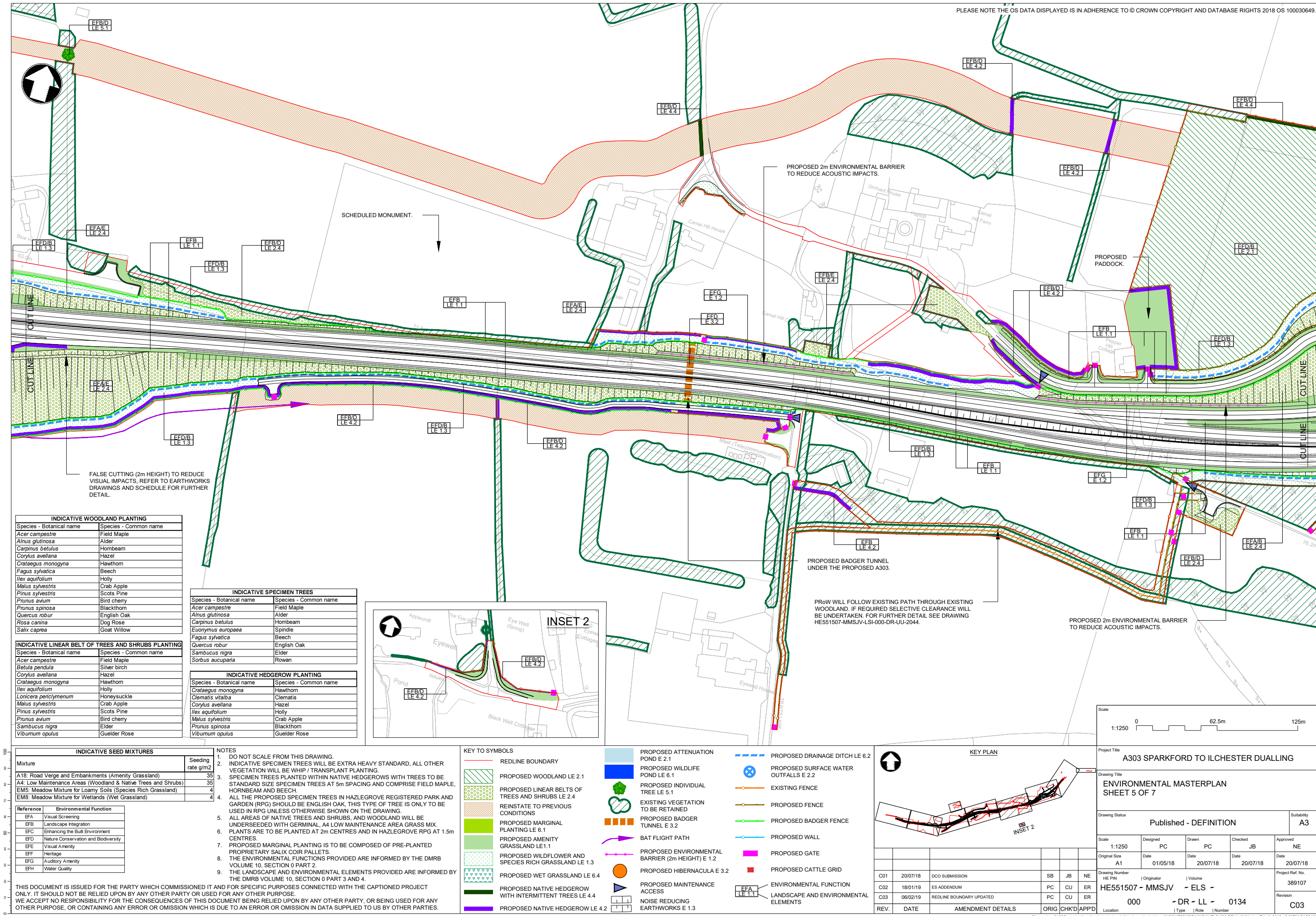
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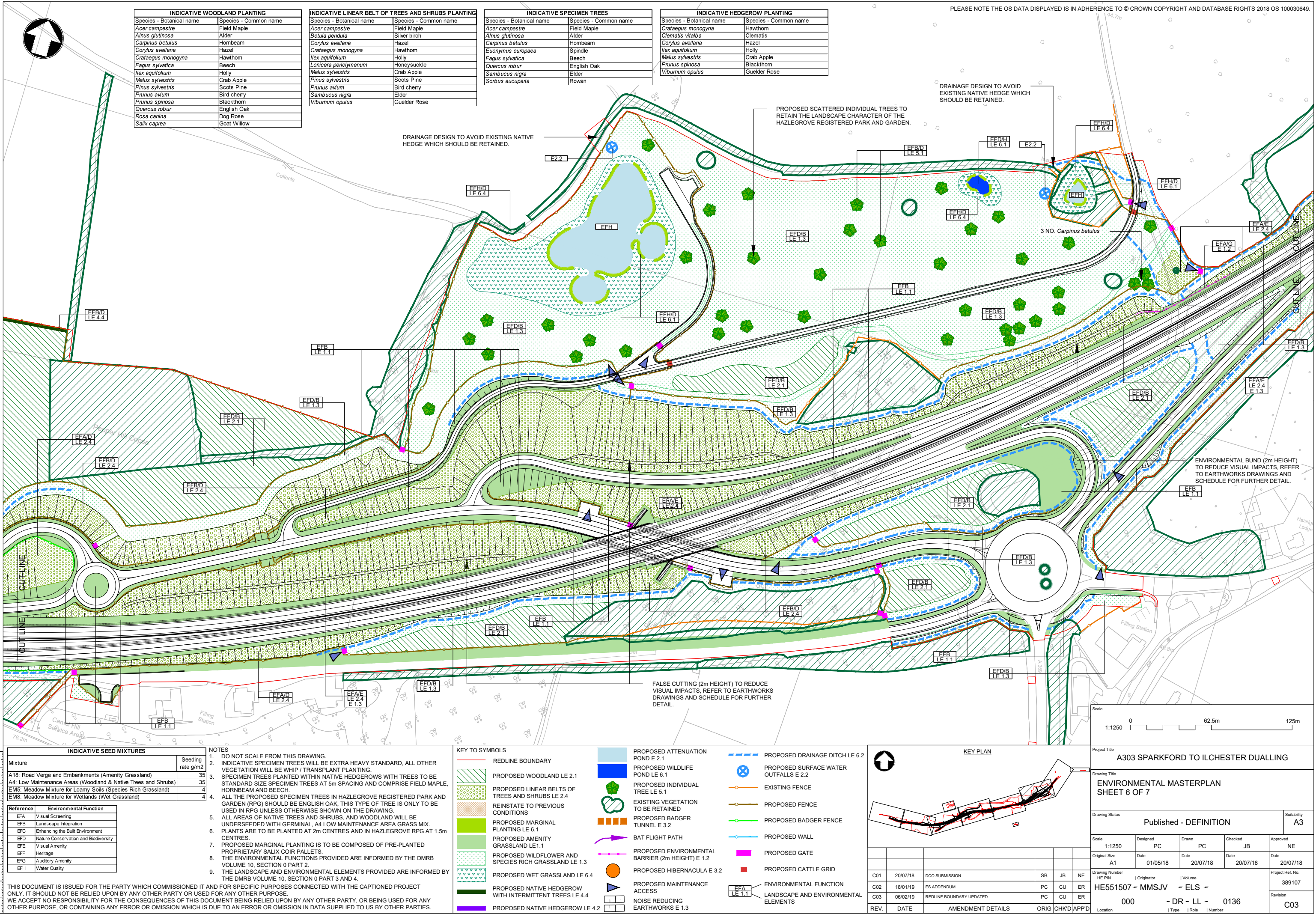
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Role
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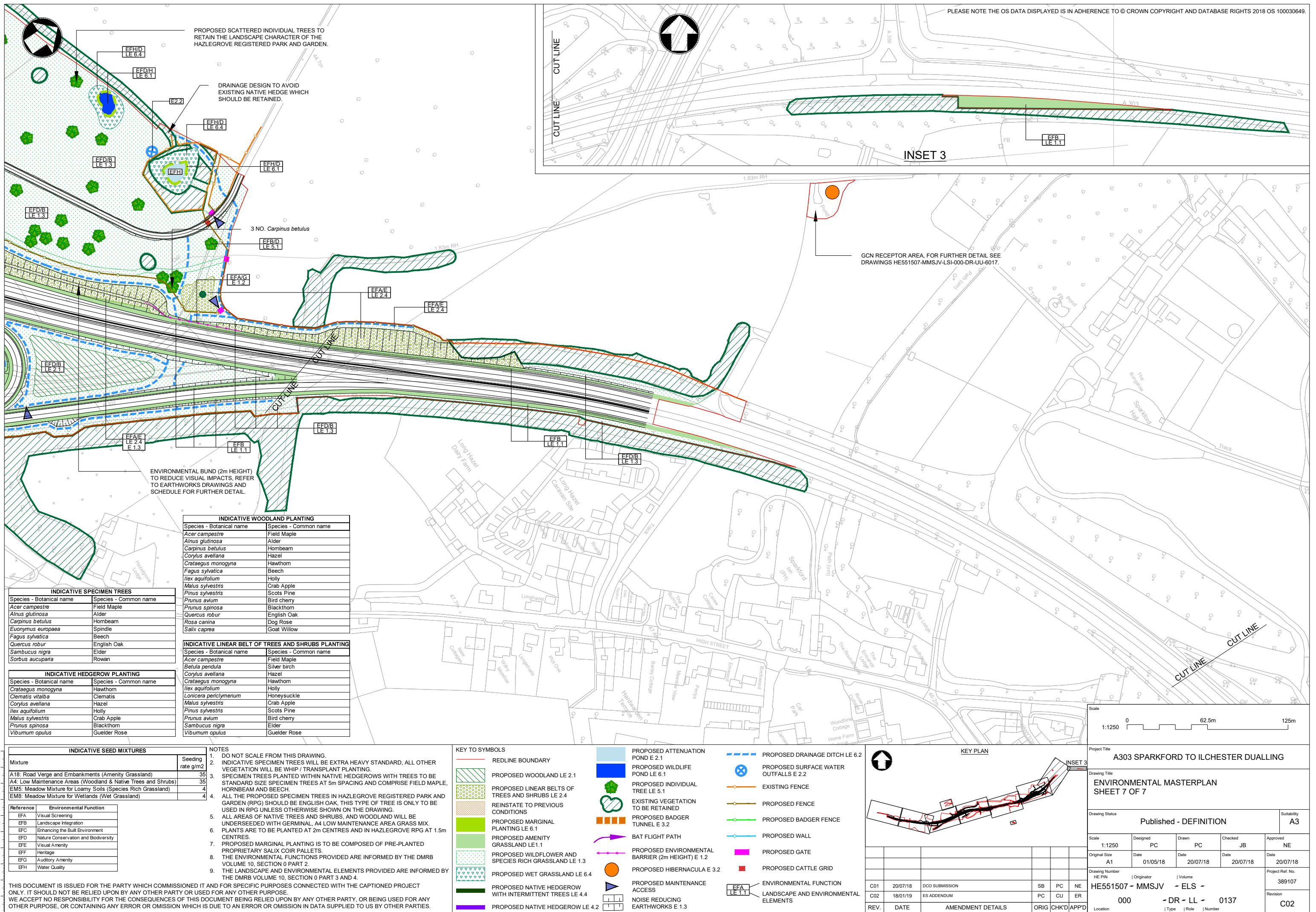
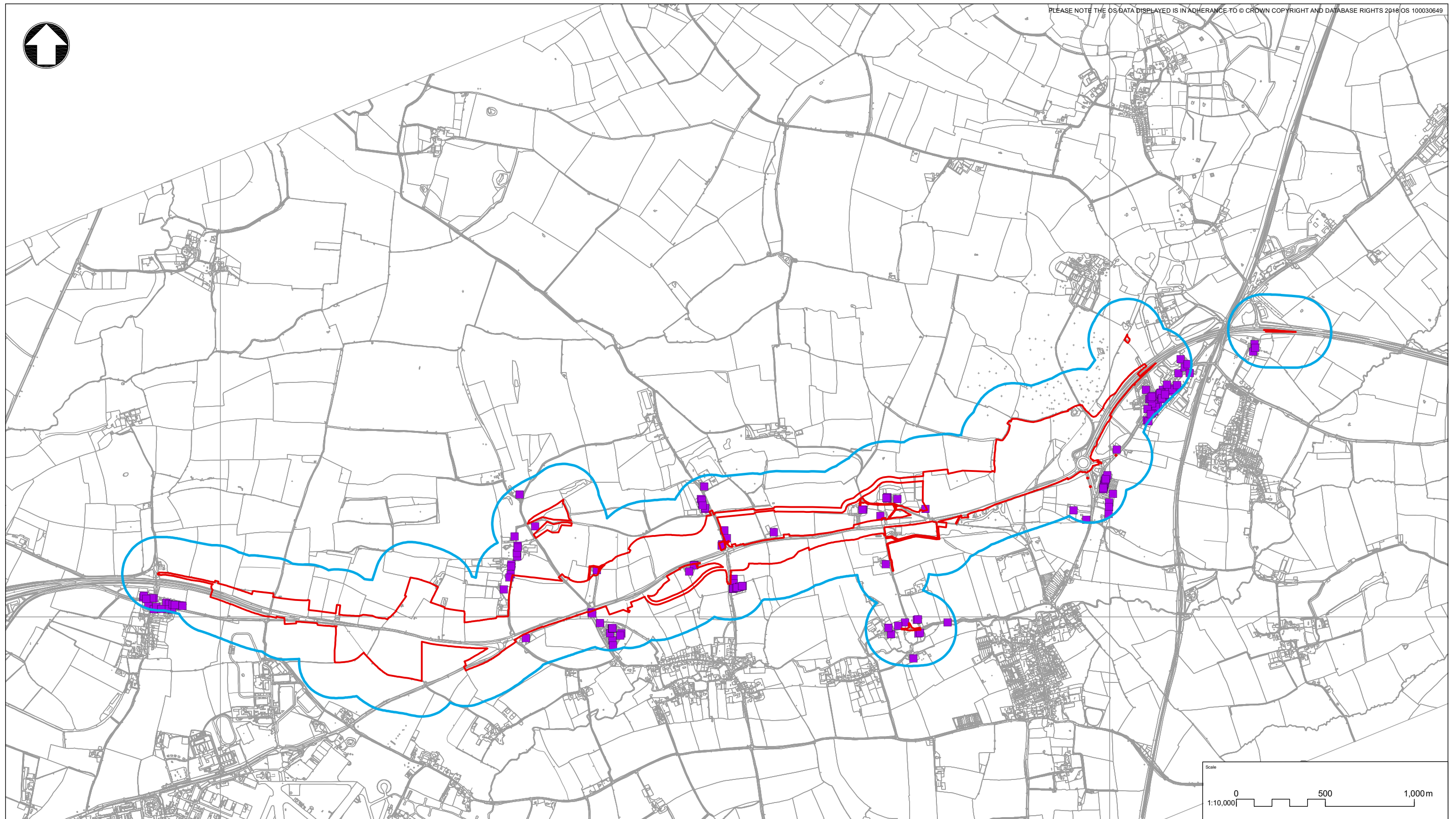


Figure A3.1 – Construction Dust Buffer



RESIDENTIAL RECEPTOR

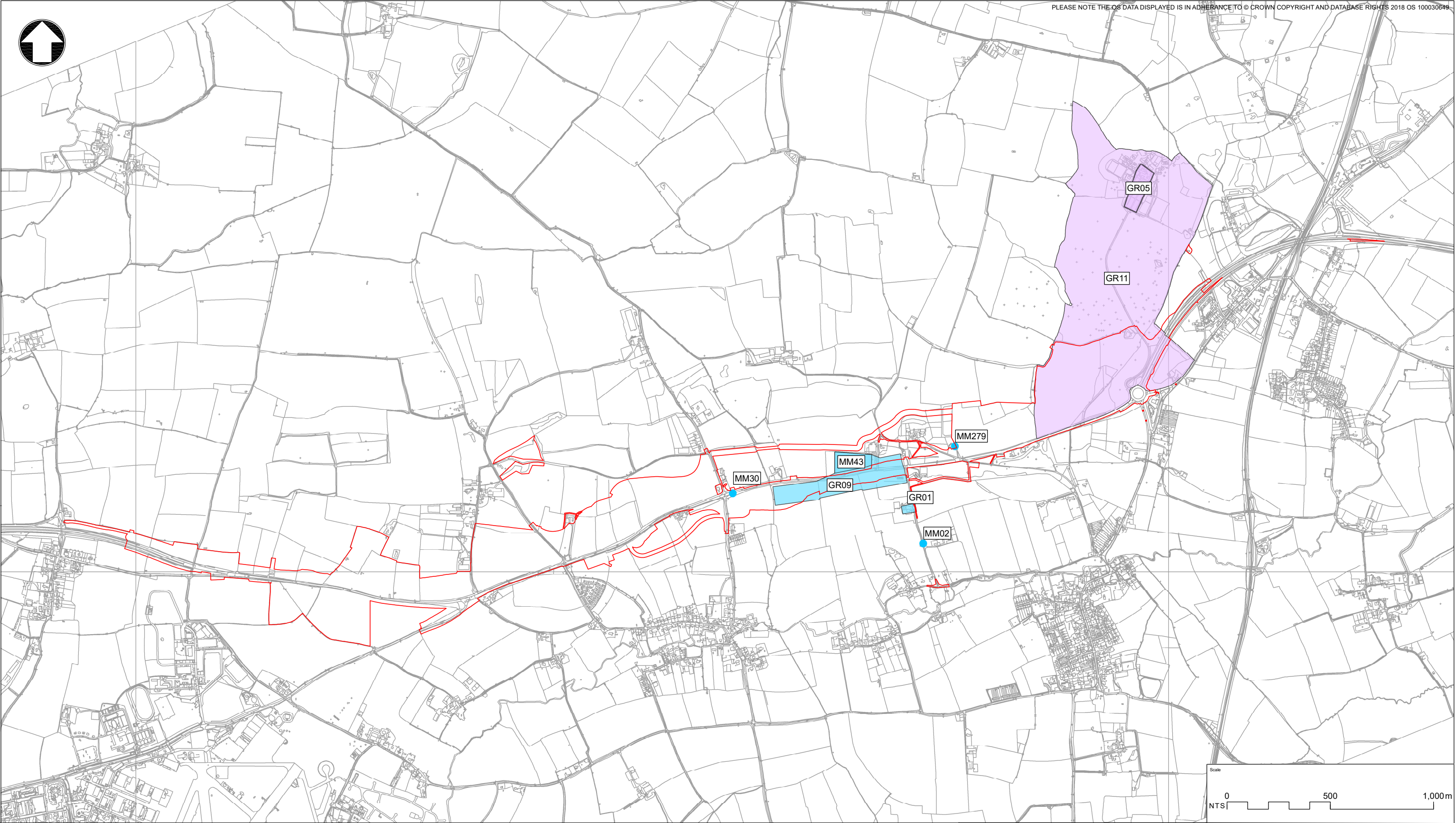
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SB						BM						ER	
HE551507 -						MMSJV -						EAQ -	
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REV.						DATE						AMENDMENT DETAILS	
OR						CHK'D						APP'D	
Location						000						- DR - LA - 1101	
Type						Role						Number	
C02						C02						C02	

Figure A4.1 – Heritage assets with the potential for likely significant effects

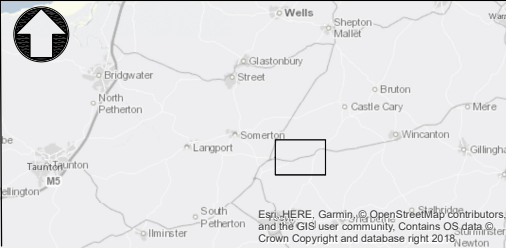


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KEY

- PROPOSED RED LINE BOUNDARY
- SIGNIFICANT EFFECT - CONSTRUCTION
- SIGNIFICANT EFFECT - CONSTRUCTION & OPERATION

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REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
C02	JAN 2019	ES ADDENDUM	SB	BM	ER
C01	JUNE 2018	DCO SUBMISSION	ER	JT	ER

Scale 05001,000m NTS					
Project Title A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title DATA TO SHOW THE LIKELY SIGNIFICANT EFFECTS					
Drawing Status PUBLISHED - DEFINITION					Suitability A3
Scale NTS	Designed ER	Drawn SB	Checked BM	Approved ER	
Original Size A1	Date JUNE 2018	Date JANUARY 2019	Date JANUARY 2019	Date JANUARY 2019	
Drawing Number HE PIN				Project Ref. No. 389107	
HE551507 - MMSJV - EHR -				Revision	
000		- DR - LH -		C02	
Location		Type	Role	Number	

Figure A5.1 – Zone of Theoretical Visibility

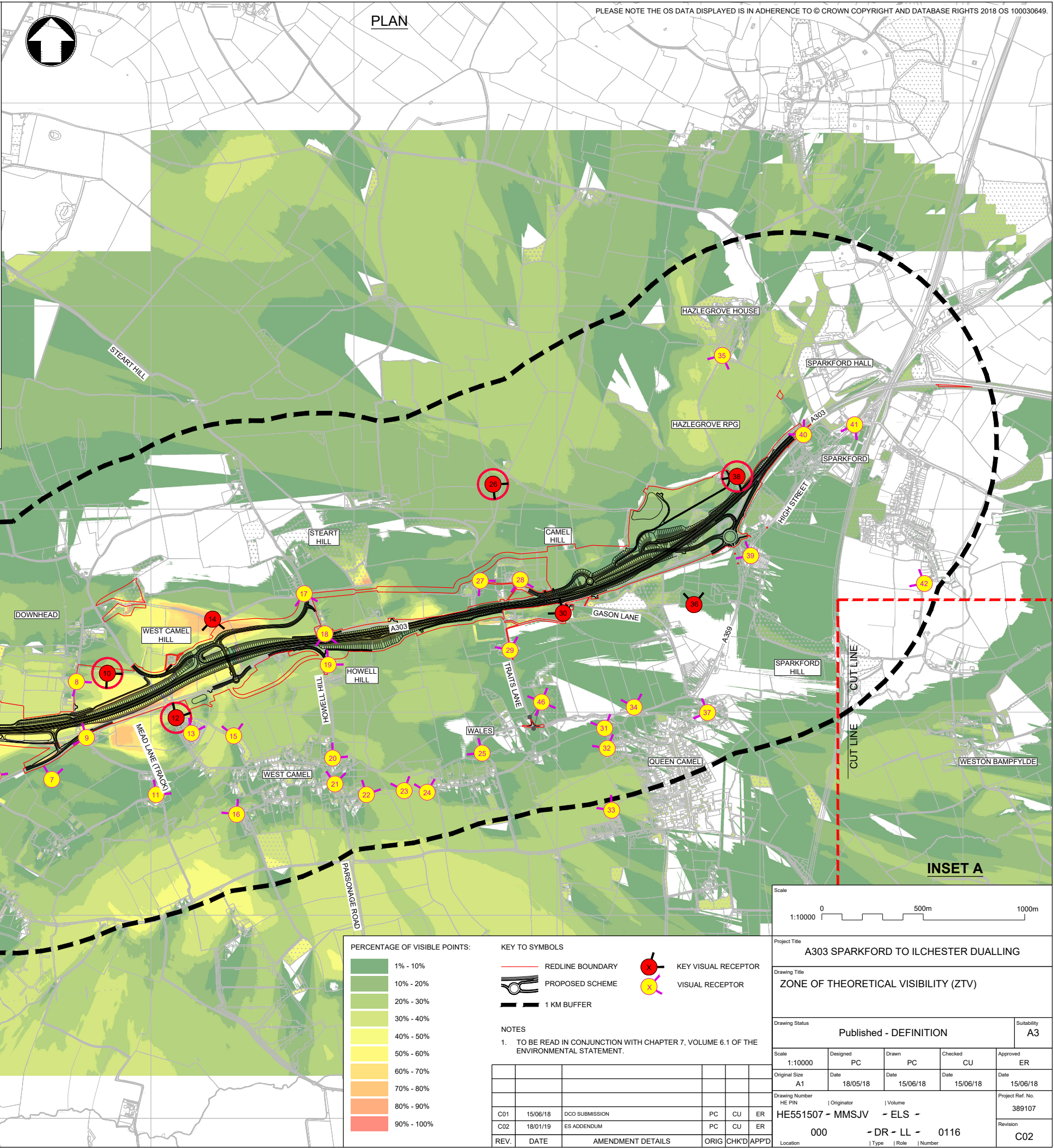
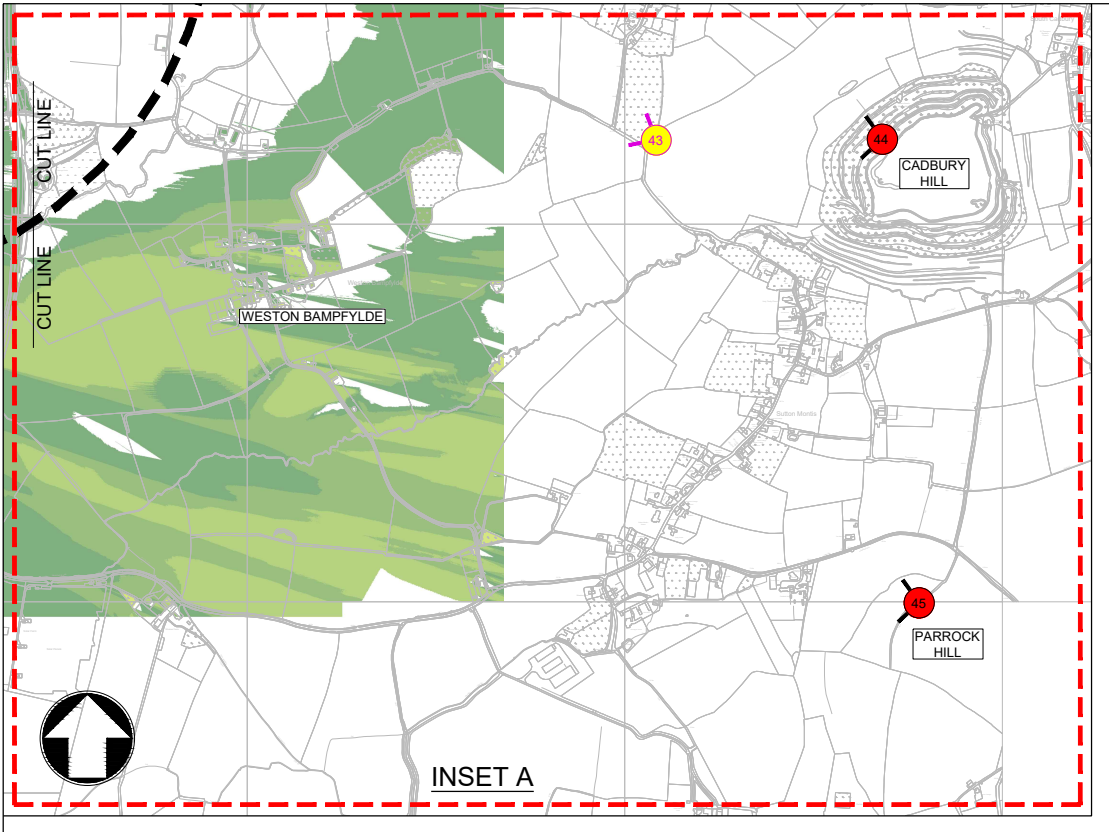
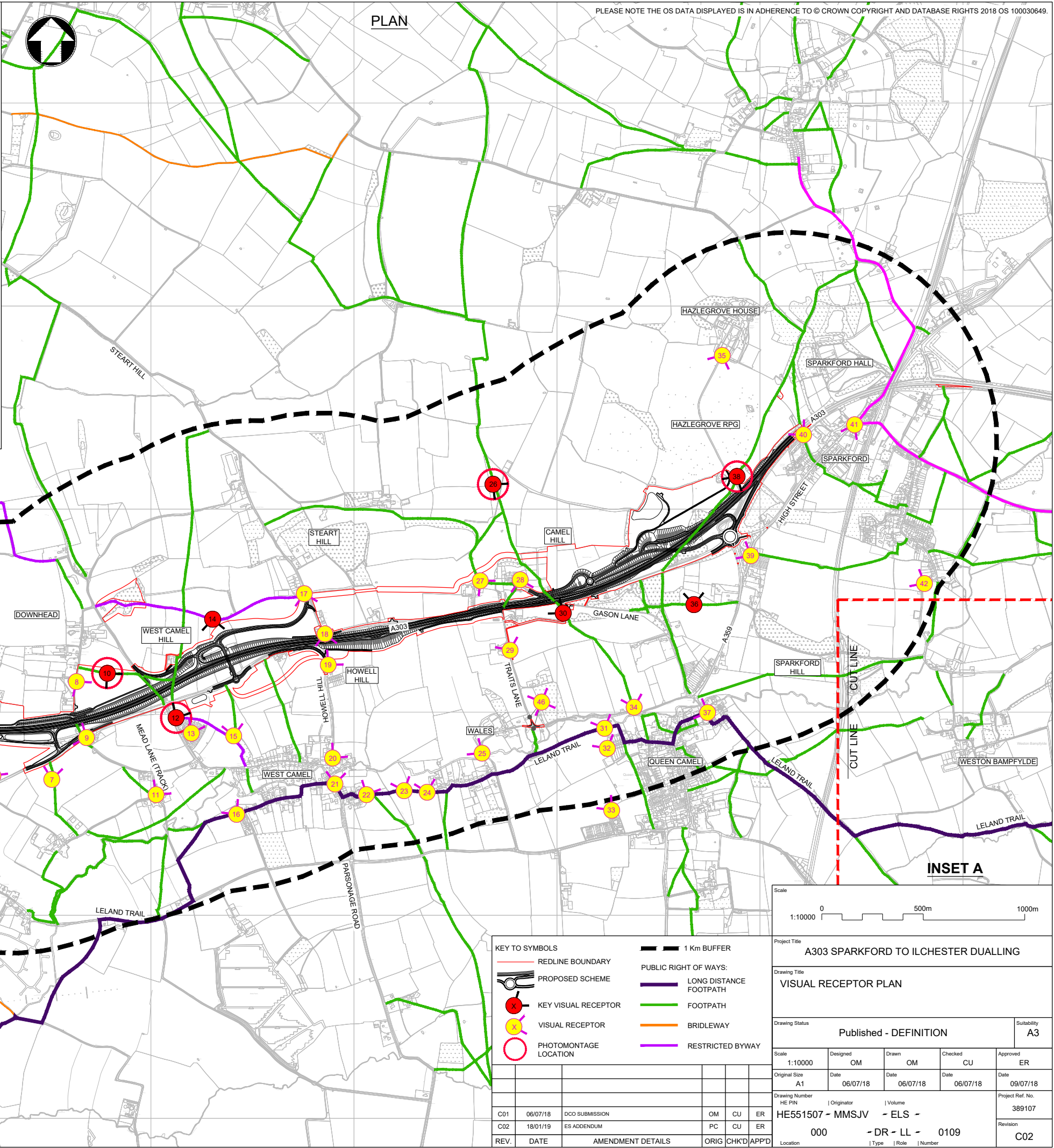
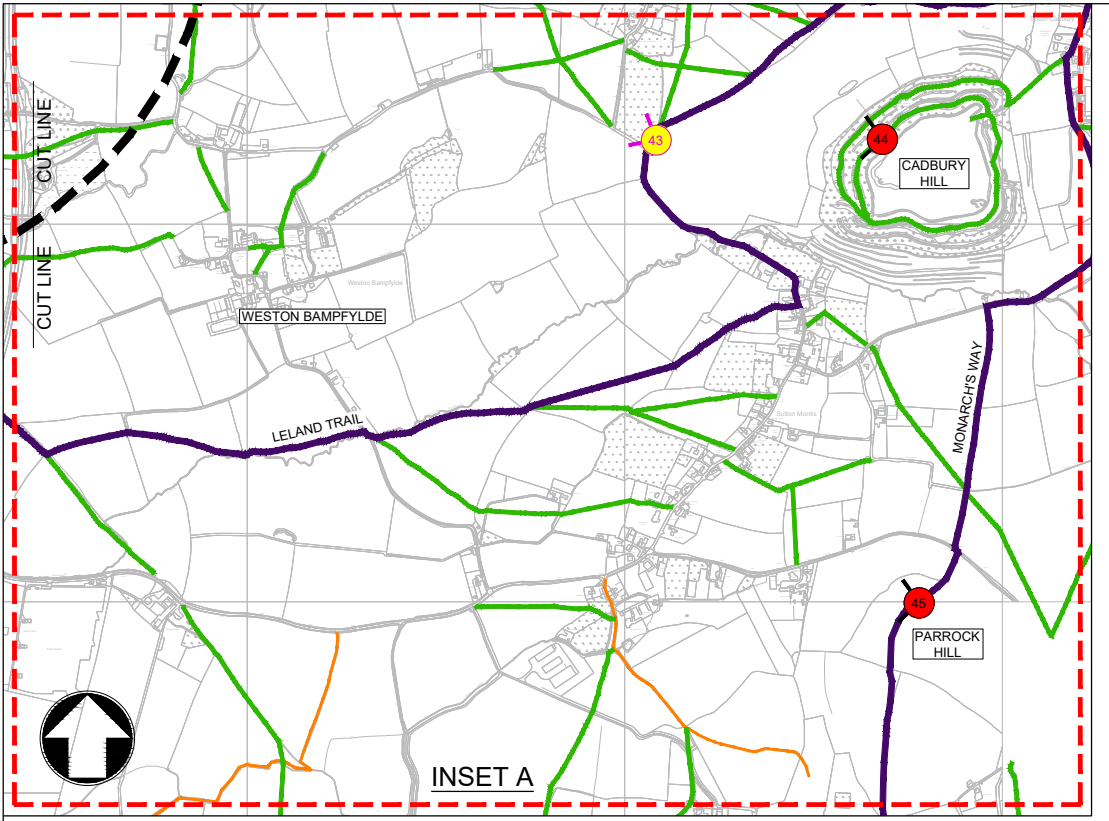











Figure A5.2 – Visual Receptor Plan

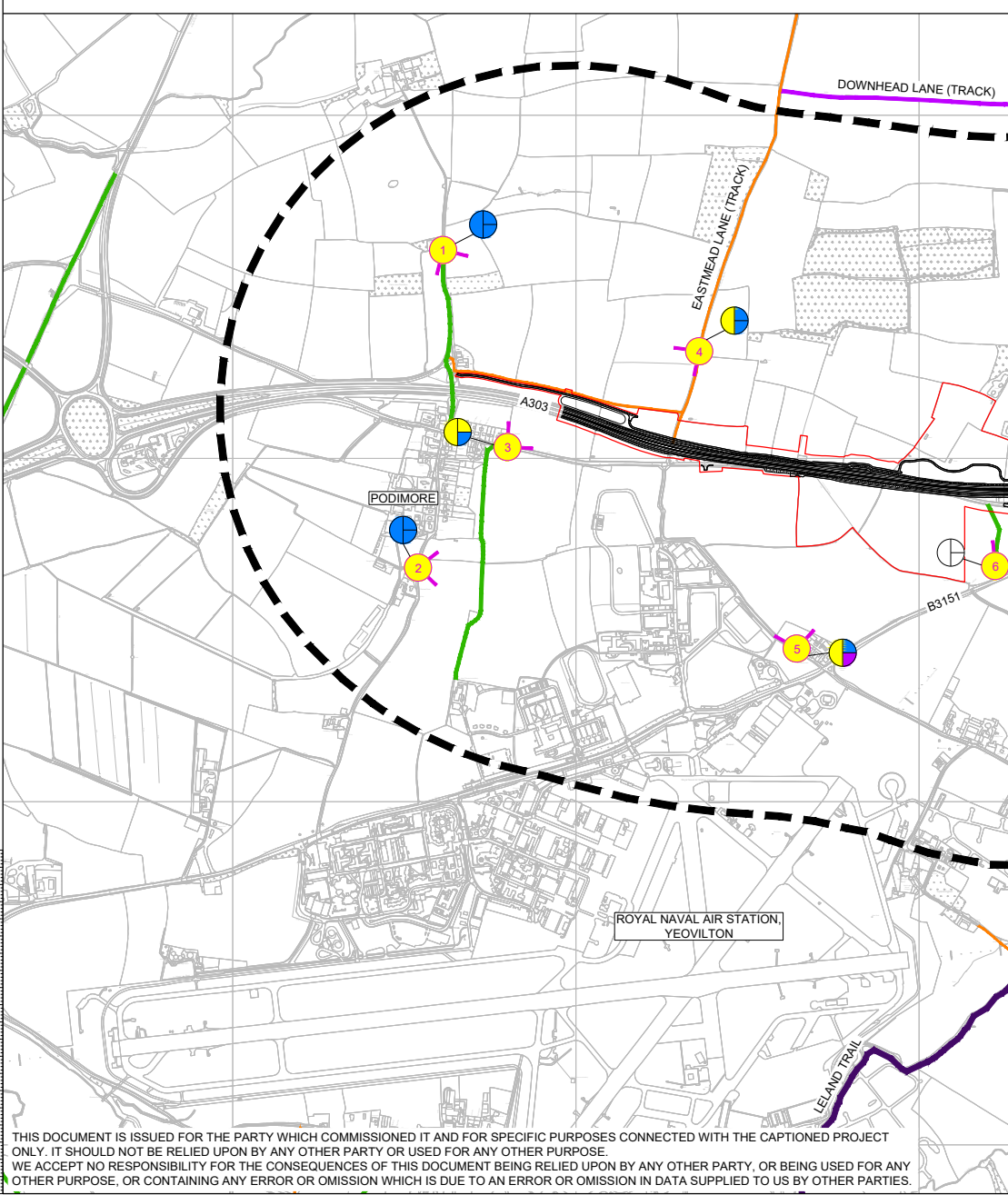
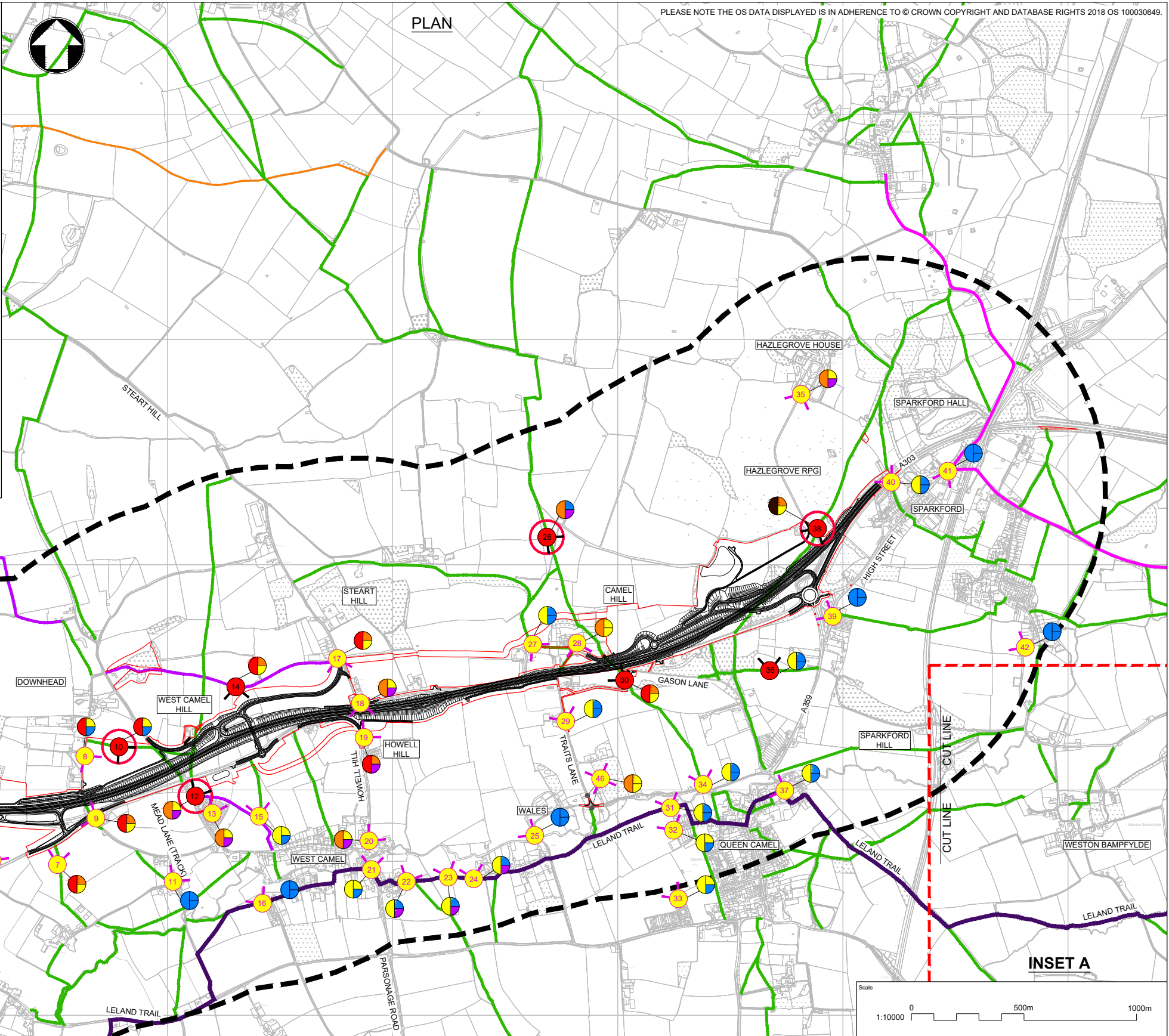
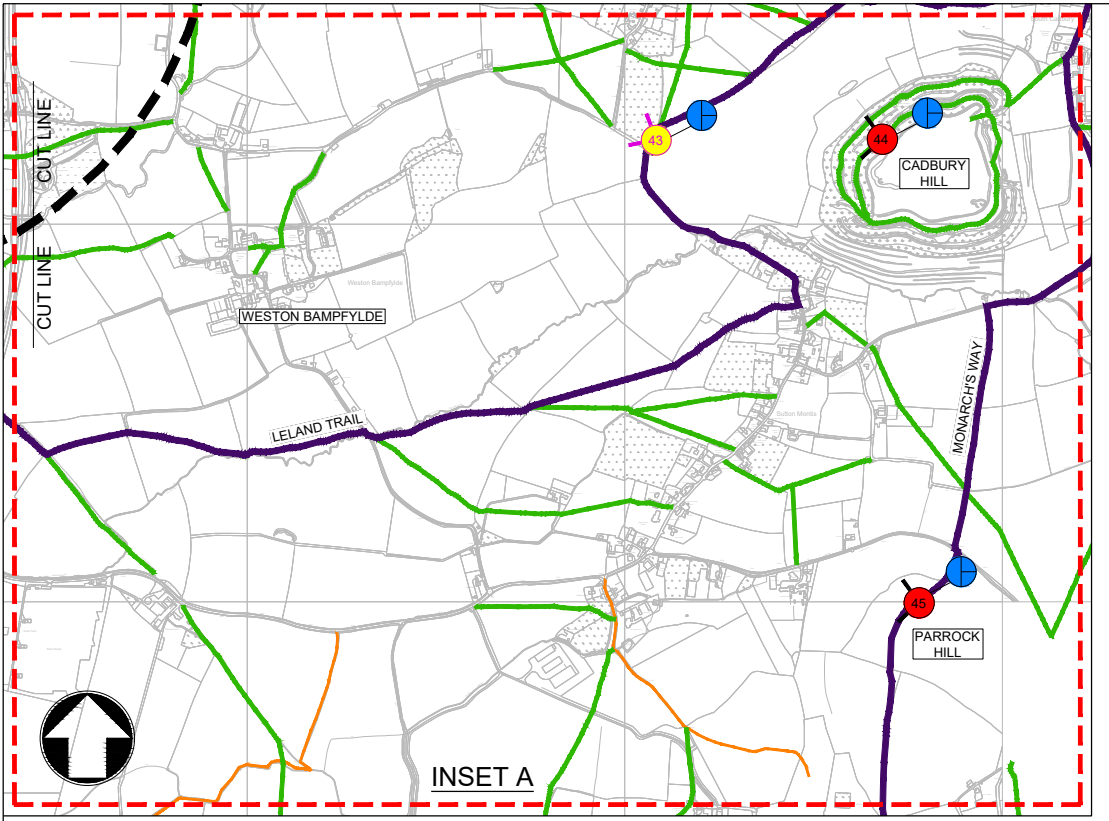


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KEY TO SYMBOLS				1 Km BUFFER			
				REDLINE BOUNDARY			
				PROPOSED SCHEME			
				KEY VISUAL RECEPTOR			
				VISUAL RECEPTOR			
				PHOTOMONTAGE LOCATION			
				PUBLIC RIGHT OF WAYS:			
				LONG DISTANCE FOOTPATH			
				FOOTPATH			
				BRIDLEWAY			
				RESTRICTED BYWAY			
C01	06/07/18	DCO SUBMISSION		OM	CU		E
C02	18/01/19	ES ADDENDUM		PC	CU		E
REV.	DATE	AMENDMENT DETAILS		ORIG	CHKD	AP	

Project Title					
A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title					
VISUAL RECEPTOR PLAN					
Drawing Status					
Published - DEFINITION					
Suitability					
A3					
Scale					
1:10000					
Designed					
OM					
Drawn					
OM					
Checked					
CU					
Approved					
ER					
Original Size					
A1					
Date					
06/07/18					
Date					
06/07/18					
Date					
06/07/18					
Drawing Number					
HE PIN					
Originator					
HE551507 - MMSJV					
Volume					
- ELS -					
Project Ref. No.					
389107					
Revision					
C02					
REV.					
DATE					
AMENDMENT DETAILS					
ORIG					
CHK'D					
APP'D					
Location					
Type					
Role					
Number					

Figure A5.3 – Visual Impacts Plan



RECEPTOR IMPACTS

CONSTRUCTION PHASE

OPERATIONAL PHASE YEAR 1

OPERATIONAL PHASE YEAR 15

VERY LARGE ADVERSE EFFECT

LARGE ADVERSE EFFECT

MODERATE ADVERSE EFFECT

SLIGHT ADVERSE EFFECT

NEGLECTIBLE EFFECT

NEUTRAL EFFECT

SLIGHT BENEFICIAL EFFECT

RECEPTOR REMOVED

KEY TO SYMBOLS

REDLINE BOUNDARY

PROPOSED SCHEME

1 Km BUFFER

KEY VISUAL RECEPTOR

VISUAL RECEPTOR

PUBLIC RIGHT OF WAYS:

LONG DISTANCE FOOTPATH

FOOTPATH

BRIDLEWAY

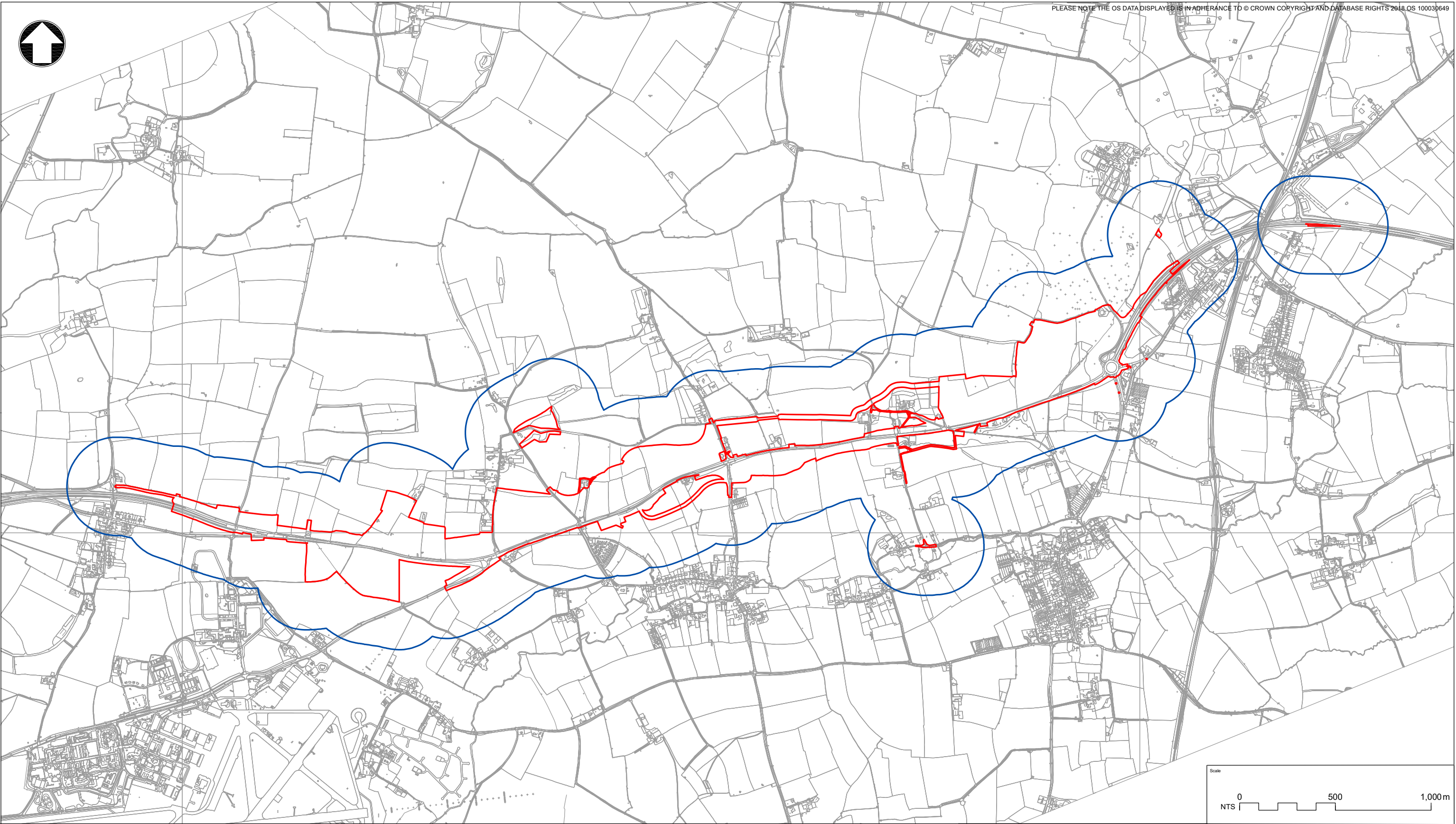
RESTRICTED BYWAY

C01	15/06/18	DCO SUBMISSION	PC	CU	ER
C02	18/01/19	ES ADDENDUM	PC	CU	ER
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

Project Title					Suitability
A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title					
VISUAL IMPACTS PLAN					
Drawing Status					A3
Published - DEFINITION					
Scale	Designed	Drawn	Checked	Approved	ER
1:10000	PC	PC	CU	ER	
Original Size	Date	Date	Date	Date	15/06/18
A1	15/05/18	15/06/18	15/06/18	15/06/18	
Drawing Number					Project Ref. No.
HE PIN					
HE551507 - MMSJV - ELS -					389107
000 - DR - LL - 0138					
Location					Revision
					C02

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Figure A8.1 – Local Impact Area

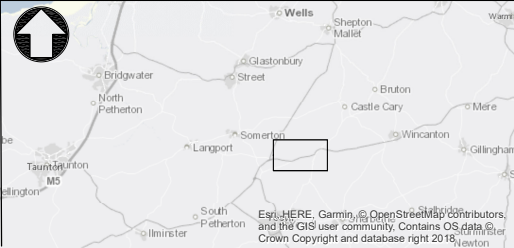
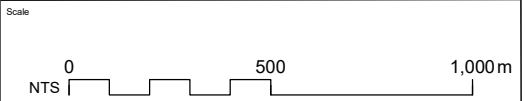


KEY

— PROPOSED RED LINE BOUNDARY

— LOCAL IMPACT AREA

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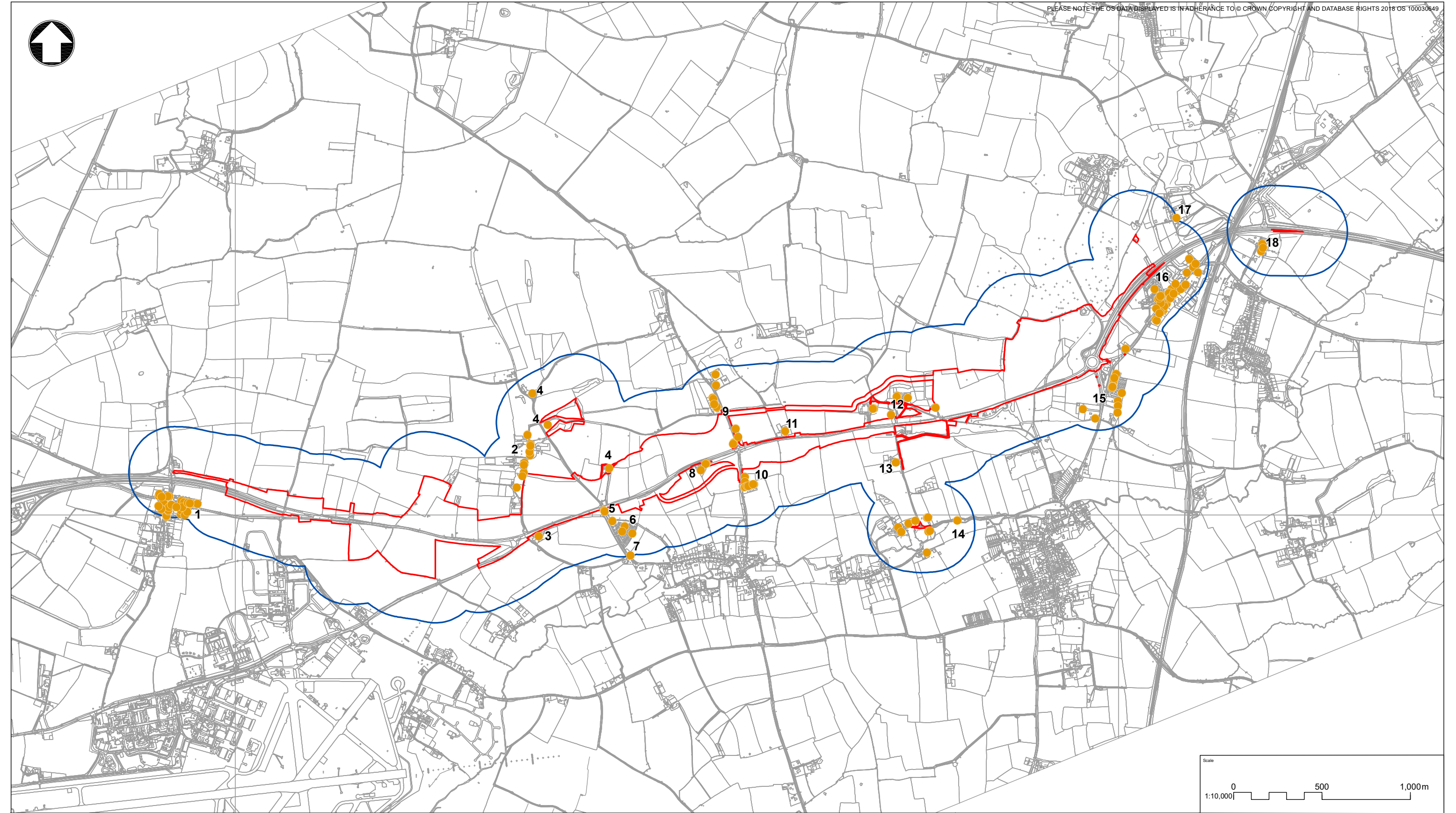
C02	18/01/19	ES ADDENDUM	SB	BM	ER
C01	JULY 2019	DCO SUBMISSION	ER	JB	ER
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

Project Title
A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title
LOCAL IMPACT AREA

Drawing Status PUBLISHED - DEFINITION				Suitability A3
Scale NTS	Designed CR	Drawn SB	Checked BM	Approved ER
Original Size A1	Date JULY 2018	Date JANUARY 2019	Date JANUARY 2019	Date JANUARY 2019
Drawing Number HE PIN				Project Ref. No. 389107
HE551507 - MMSJV - ENM -				Revision C02
000 - Location		DR - LP - 0008		
		Type Role Number		

Figure A8.2 – Residential receptors within LIA



100
80
60
40
20
0

KEY

- SCHEME RED LINE BOUNDARY
 - LOCAL IMPACT AREA
 - RESIDENTIAL PROPERTY
- | | | |
|-------------------|--------------------|------------------------------|
| 1 - PODIMORE | 8 - WEST CAMEL | 15 - A359 AND SLIP ROAD |
| 2 - DOWNHEAD WEST | 9 - STEART HILL | 16 - A359 HIGH STREET |
| 3 - HAWK HOUSE | 10 - HOWELL HILL | 17 - SPARKFORD HALL BUNGALOW |
| 4 - DOWNHEAD EAST | 11 - NORTH OF A303 | 18 - BRAINS LANE |
| 5 - PLOWAGE LANE | 12 - CAMEL HILL | |
| 6 - ORCHARD PARK | 13 - TRAITS LANE | |
| 7 - KEEP STREET | 14 - QUEEN CAMEL | |

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C02			ES ADDENDUM			SB	BM	ER
C01			DCO SUBMISSION			ER	JB	ER
REV.	DATE	AMENDMENT DETAILS			ORIG	CHK'D	APP'D	

Scale 0 500 1,000m 1:10,000				
Project Title A303 SPARKFORD TO ILCHESTER DUALLING				
Drawing Title RESIDENTIAL PROPERTIES IN THE LOCAL IMPACT AREA				
Drawing Status PUBLISHED - DEFINITION				Suitability A3
Scale 1:10,000	Designed CR	Drawn SB	Checked BM	Approved ER
Original Size A1	Date JUNE 2018	Date JANUARY 2019	Date JANUARY 2019	Date JANUARY 2019
Drawing Number HE PIN Originator Volume				Project Ref. No. 389107
HE551507 - MMSJV - ENM -				Revision C02
000 - Location		DR - LP - 0007 Type Role Number		