

ENVIRONMENTAL MASTERPLAN - SCHEME LAYOUT

BOUNDARIES

- ORDER LIMITS
- LAND SURROUNDED BY, BUT NOT INCLUDED WITHIN THE ORDER LIMITS
- LOCAL AUTHORITY BOUNDARY

HIGHWAYS

- NEW OR REALIGNED PUBLIC HIGHWAY
- NEW OR REALIGNED PRIVATE ACCESS
- EXISTING PUBLIC RIGHTS OF WAY
- EXISTING PUBLIC RIGHTS OF WAY - STOPPED UP
- NEW/REALIGNED PUBLIC RIGHT OF WAY
- PROPOSED PUBLIC RIGHT OF WAY IN VERGE
- VARIABLE MESSAGE SIGN

DRAINAGE

- EXISTING WATERCOURSE
- REALIGNED WATERCOURSE
- RETAINED / PROPOSED HEADWALL
- PROPOSED DITCH
- WATER FLOW DIRECTION
- PROPOSED FLOOD STORAGE AREA

ENVIRONMENTAL FUNCTIONS

- EFA - VISUAL SCREENING
- EFB - LANDSCAPE INTEGRATION
- EFC - ENHANCING THE BUILT ENVIRONMENT
- EFD - NATURE CONSERVATION AND BIODIVERSITY
- EFE - VISUAL AMENITY
- EFG - AUDITORY AMENITY
- EFH - WATER QUALITY

PROPOSED - ENVIRONMENTAL ELEMENTS

- E1.3 NOISE-REDUCING EARTHWORKS
- E3.1 PROTECTED SPECIES
- E3.2 ECOLOGICAL PROTECTION MEASURES
- E4.1 INJURIOUS WEEDS

ENVIRONMENT & LANDSCAPE

EXISTING

- EXISTING WOODLAND (NATIONAL FOREST INVENTORY)
- EXISTING HEDGE/BELT OF TREES
- OTHER EXISTING VEGETATION

PROPOSED - LANDSCAPE ELEMENTS

- EXISTING VEGETATION TO BE REMOVED
- LE1.1 AMENITY GRASS
- LE1.3 SPECIES RICH (OR CONSERVATION) GRASSLAND
- LE1.6 OPEN GRASSLAND
- LE2.1 WOODLAND
- LE2.2 WOODLAND EDGE
- LE2.4 LINEAR BELT OF SHRUBS AND TREES
- LE2.5 SHRUBS WITH INTERMITTENT TREES
- LE2.6 SHRUBS
- LE2.8 SCRUB
- LE4.3 NATIVE SPECIES HEDGEROWS
- LE4.4 NATIVE HEDGEROW WITH TREES
- LE5.1 INDIVIDUAL TREES
- LE6.2 BANKS AND DITCHES
- LE6.3 REED BEDS
- LE6.4 MARSH AND WET GRASSLAND

PROPOSED - SPECIFIC E3.2 ECOLOGICAL PROTECTION MEASURES

- CULVERTS HAVE BEEN DESIGNED TO REDUCE THEIR IMPACT ON WATERCOURSES BY ENSURING CONVEYANCE OF FLOWS AND PROVISION OF A NATURALISED BED (MIN. 150MM SUNKEN INVERT, INCREASED TO 300MM WHERE POSSIBLE) AND MAMMAL LEDGES WHERE APPLICABLE. (EFD)
- WATERCOURSE REACH IDENTIFIED FOR POTENTIAL ENVIRONMENTAL ENHANCEMENT (EFD & EFH)
- MAMMAL FENCING (EFD)
- PROTECTED SPECIES (EFD)

ENGINEERING & CONSTRUCTION

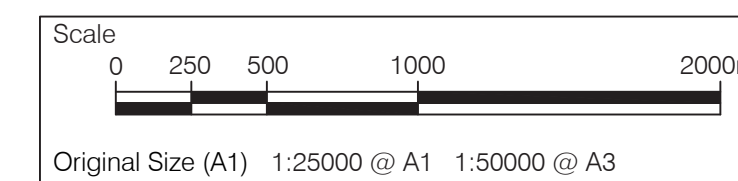
- 22.00 EXISTING GROUND CONTOURS (AT 2M INTERVALS)
- CONSTANT CUTTING
- CONSTANT EMBANKMENT
- VARIABLE CUTTING
- VARIABLE EMBANKMENT
- PROPOSED MULTIPLE PURPOSE CONSTRUCTION AREA
- PROPOSED SOIL STORAGE AREA
- PROPOSED SITE COMPOUND AREA
- PROPOSED BORROW LAND AREA
- PROPOSED - SPECIFIC E1.1 NOISE-REDUCING SURFACE**
- LOW NOISE SURFACING IS TO BE PROVIDED ON ALL NEW ROADS PROPOSED AS PART OF THE SCHEME (EFG).

NOTE

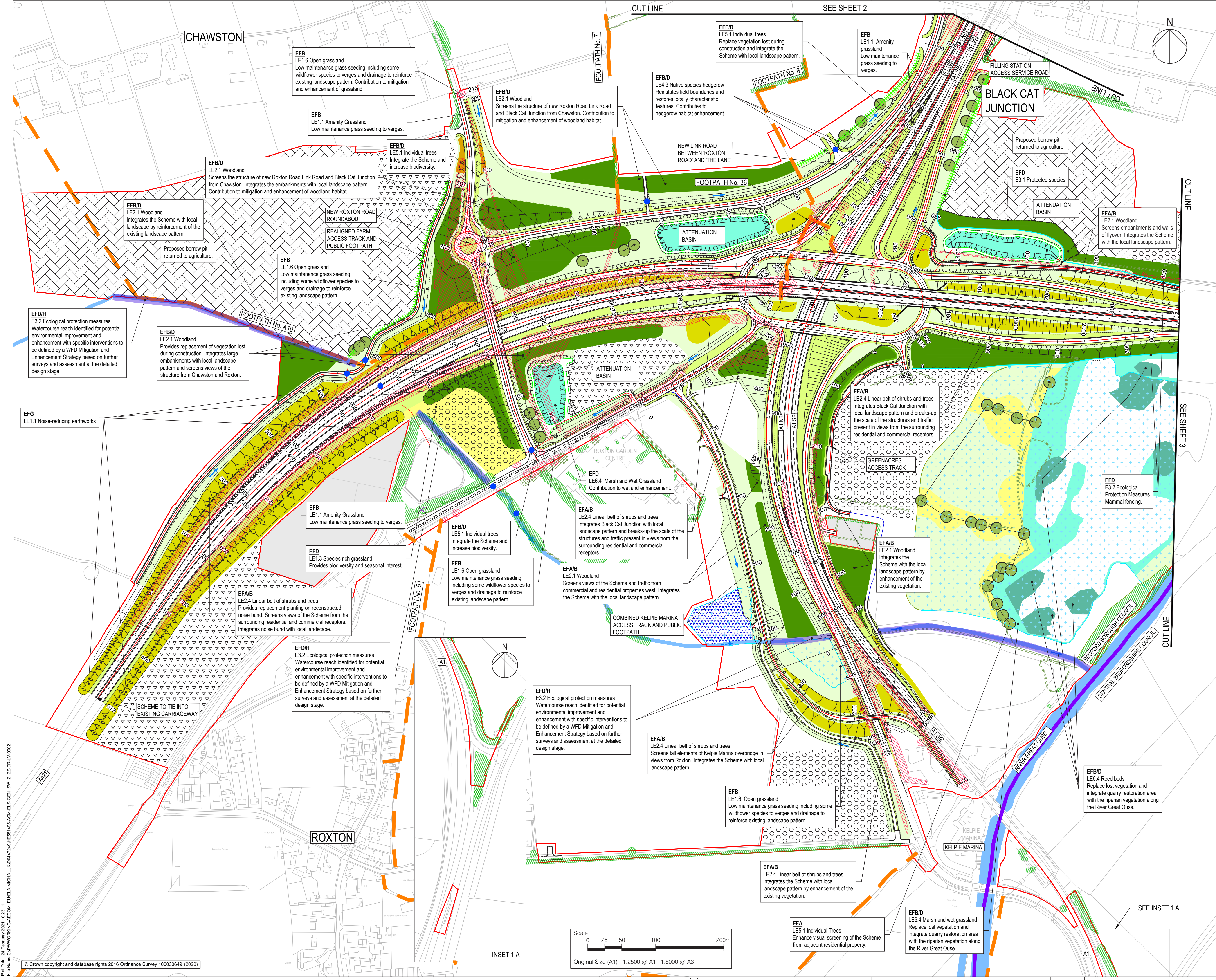
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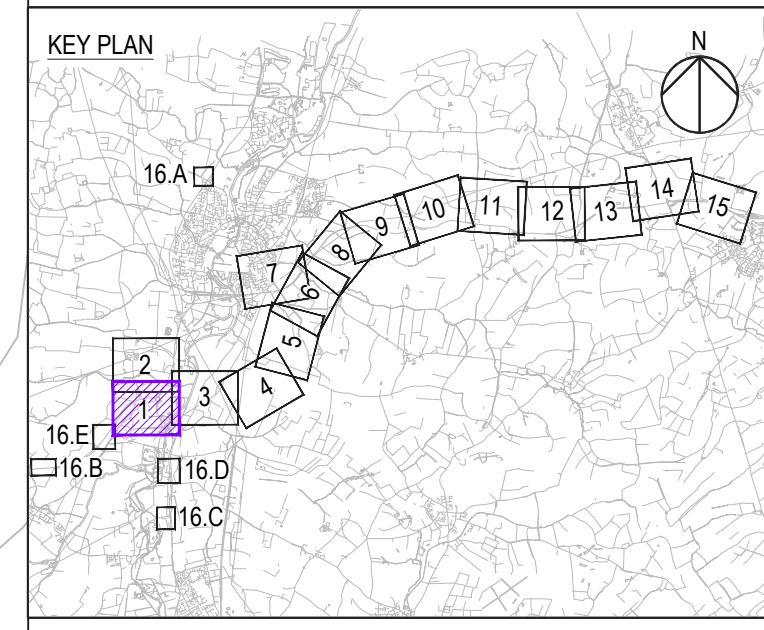
Revision Details	By	Date	Suffix
Submission for Deadline 4	EJ	04/11/21	P02
Final for DCO Application	EJ	19/02/21	P01
Check	MKM		



Purpose of Issue			
DCO APPLICATION			
Client	National Highways	Working on behalf of	
Woodlands	Marion Lane		
Marion Industrial Estate	Bedford		
MK41 7LW	Development Consent Order Number		
TR010044			
Project Title			
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS			
Drawing Title			
ENVIRONMENTAL MASTERPLAN KEY PLAN			
Designed	Drawn	Checked	Approved
EJ	EJ	MKM	MKM
Internal Project No.			Suitability
60541541			D7
Scale @ A1			Zone
---			General
Drawing Number	Highways England PIN	Originator	I Volume
HE551495 -ACM		-ELS	
GEN_SW_Z_ZZ		-DR-LV-0001	P02
Location	I Type	I Role	I Number



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Revision Details			
By	Check	Date	Suffix
EJ	MMK	04/11/21	P02
EJ	MMK	19/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of national highways
 Woodlands, Manton Lane, Manton Industrial Estate, Bedford, MK41 7LW

Development Consent Order Number: **TR010044**

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 1 OF 16

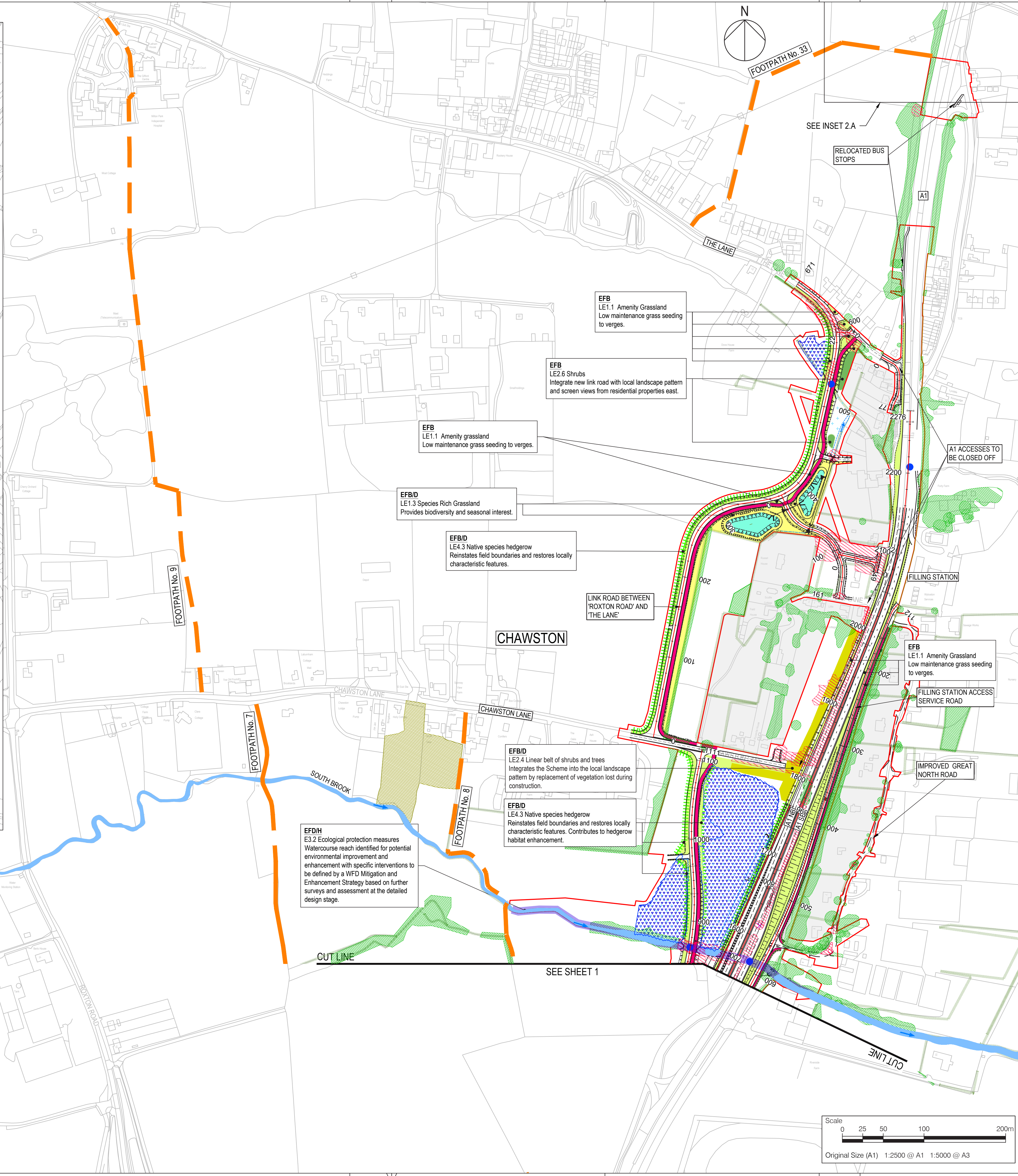
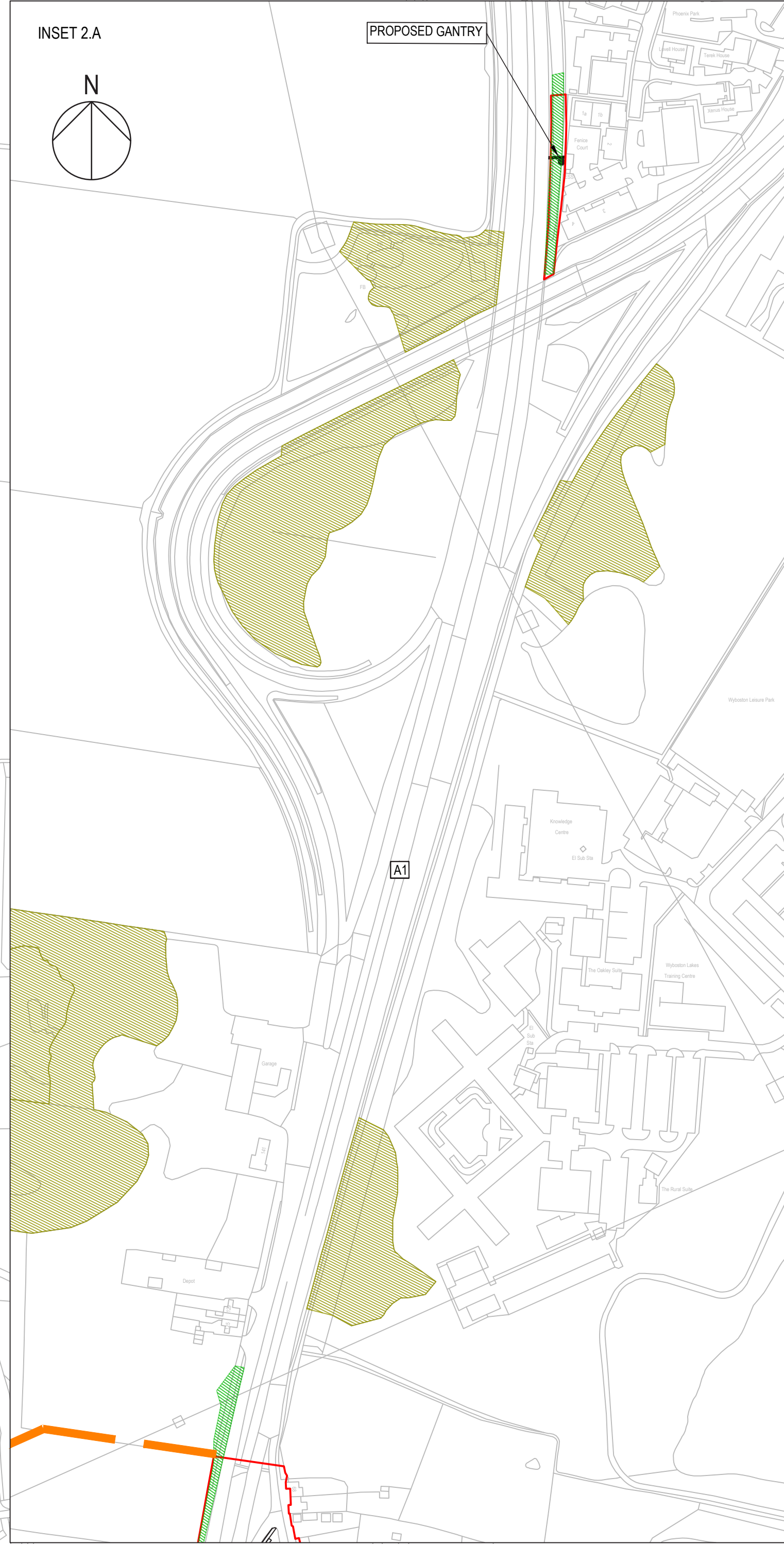
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MMK	MMK	04/11/21

Internal Project No: 60541541
 Scale @ A1: 1:2500
 Substation: D7
 Zone: General

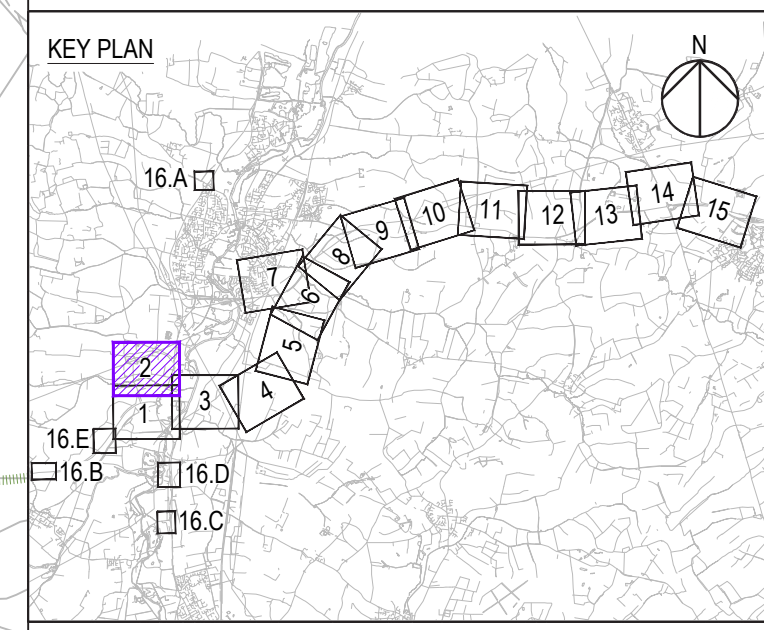
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Drawing Number: HE551495 - ACM - ELS - GEN_SW_Z_ZZ-DR-LV-0002
 1 Originator, 1 Volume, 1 Role, 1 Number
P02

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Revision Details		By	Check	Date	Suffix
Submission for Deadline 4	EJ	MKM		04/11/21	P02
Final for DCO Application	EJ	MKM		19/02/21	P01

Purpose of issue

DCO APPLICATION

Client
National Highways
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
national highways

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 2 OF 16

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No.
60541541

Scale @ A1
1:2500

Suitability
D7

Zone
General

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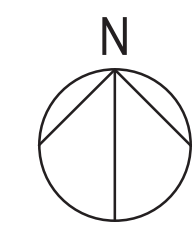
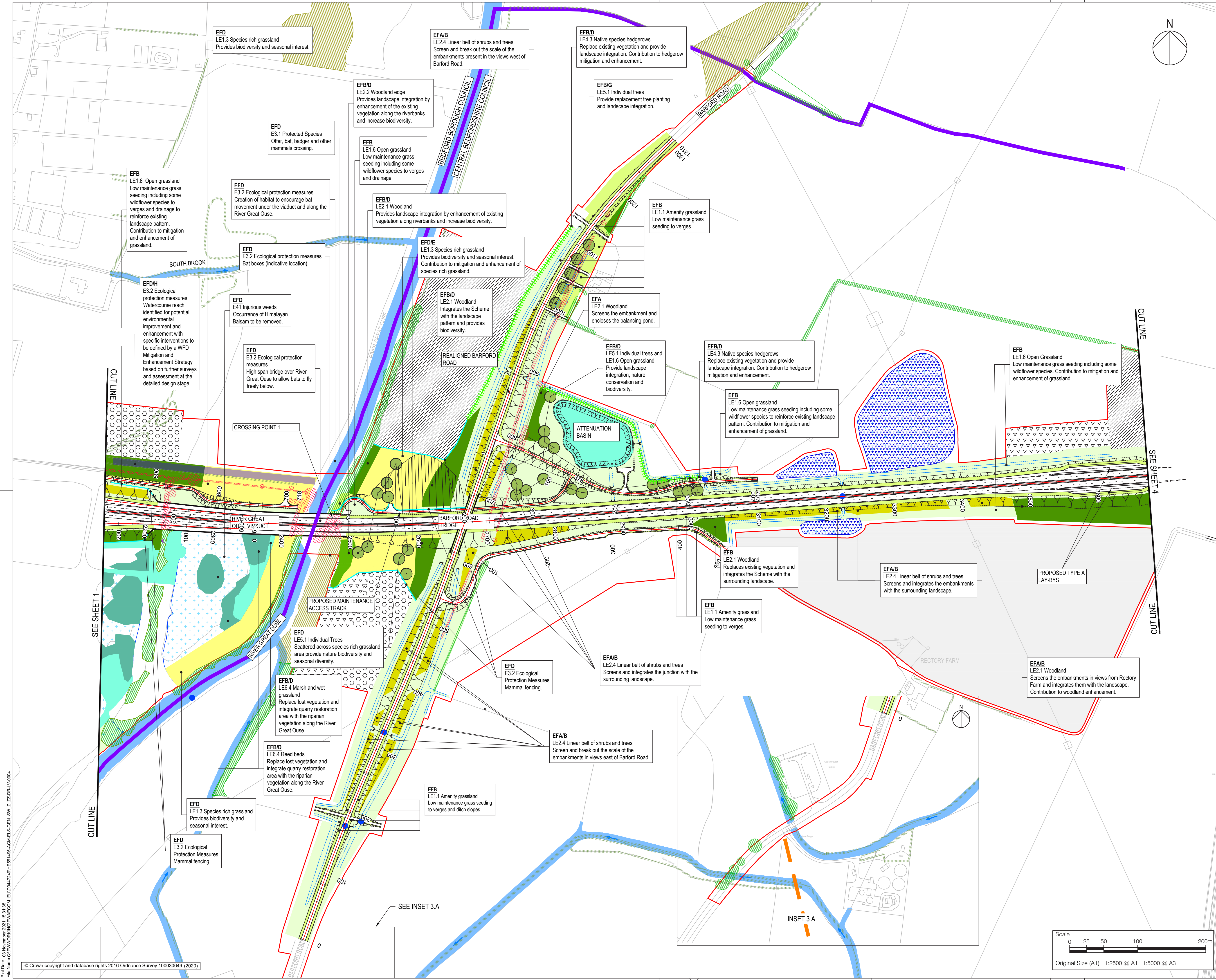
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Highways England PIN
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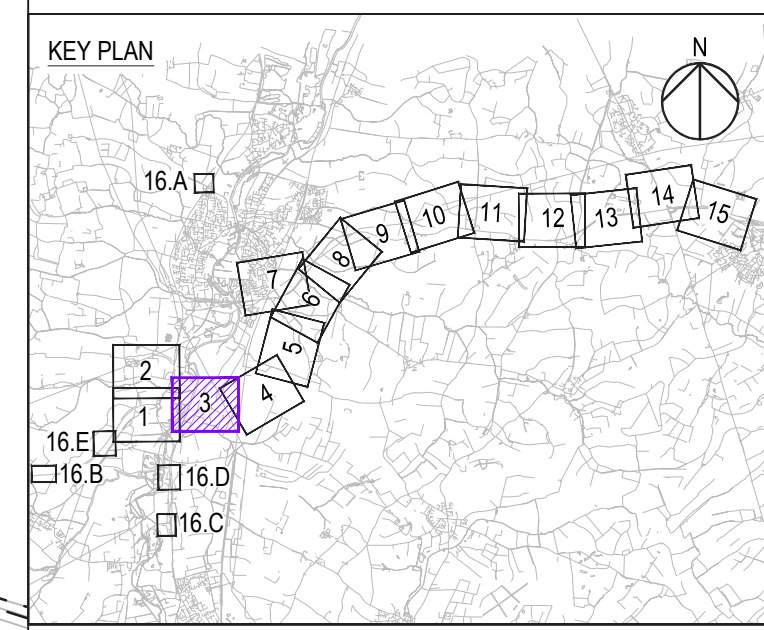
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Revision Details			
By	Date	Check	Suffix
EJ	04/11/21		P02
EJ	19/02/21		P01
MKM			

DCO APPLICATION

Client: National Highways
 Working on behalf of:
 Woodlands
 Marlon Lane
 Marlon Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

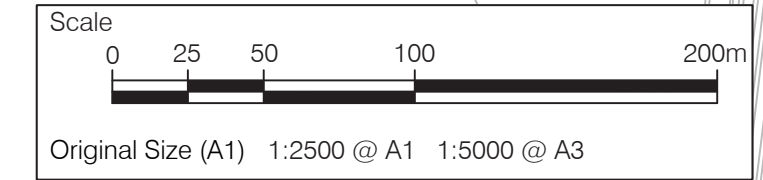
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Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

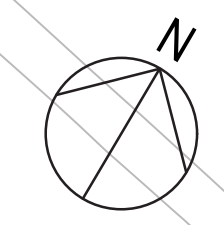
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 Subtitle: D7
 Scale @ A1: 1:2500
 Zone: General

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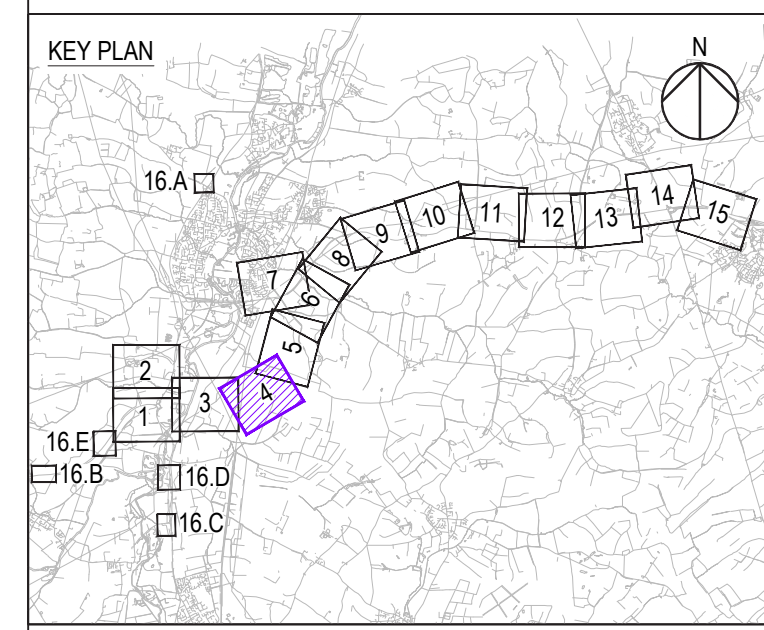
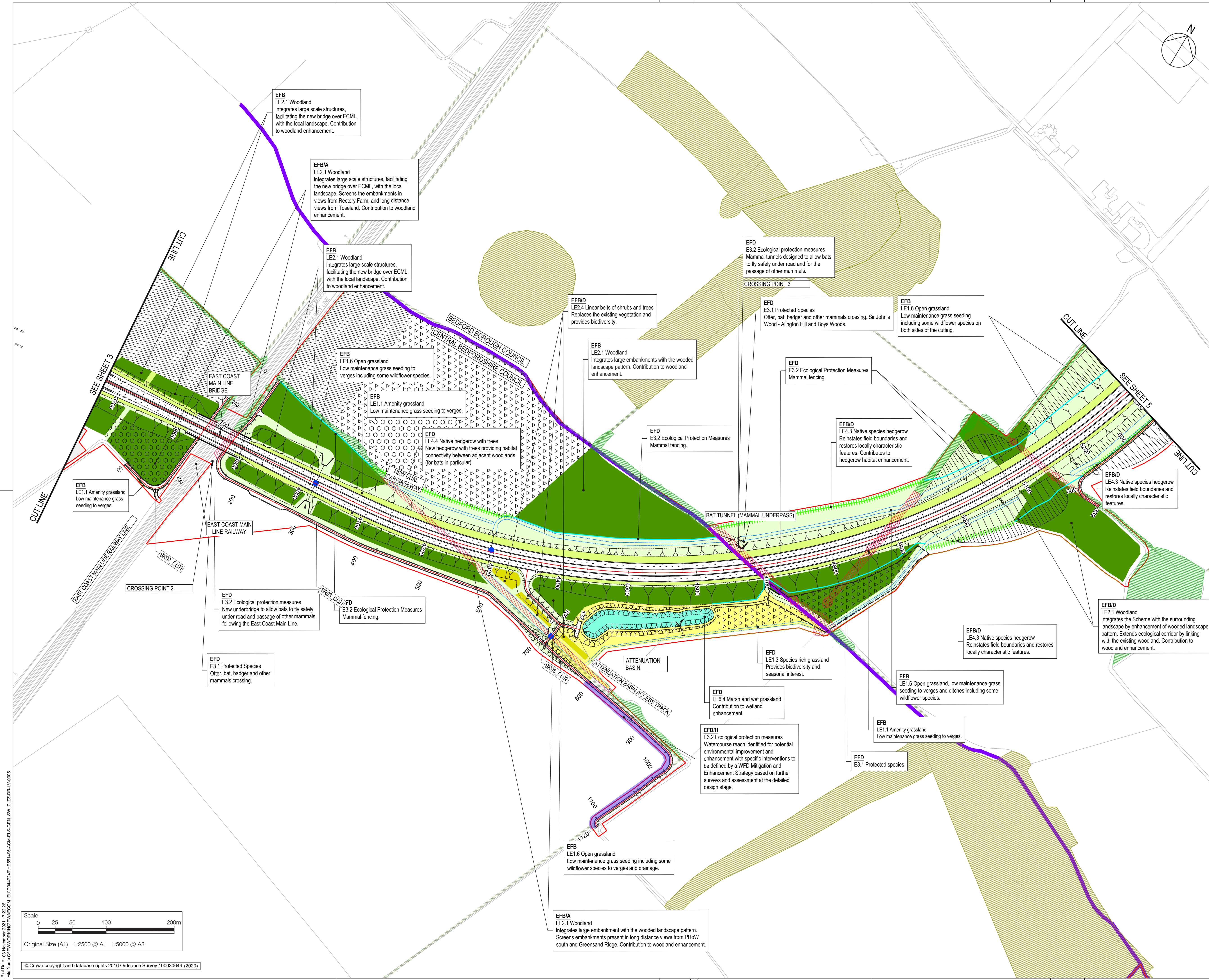
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 Location: I Type: 1 Role: 1 Number: P02



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Revision Details			
By	Check	Date	Suffix
EJ	MKM	04/11/21	P02
EJ	MKM	19/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of:
 Woodlands
 Marlon Lane
 Marlon Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 4 OF 16**

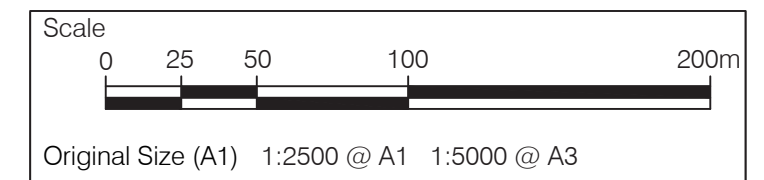
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No. 60541541
 Scale @ A1: 1:2500
 Zone: General

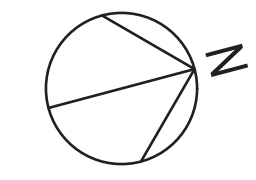
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HE551495 - ACM - ELS - P02
 GEN_SW_Z_ZZ_DR-LV-0005

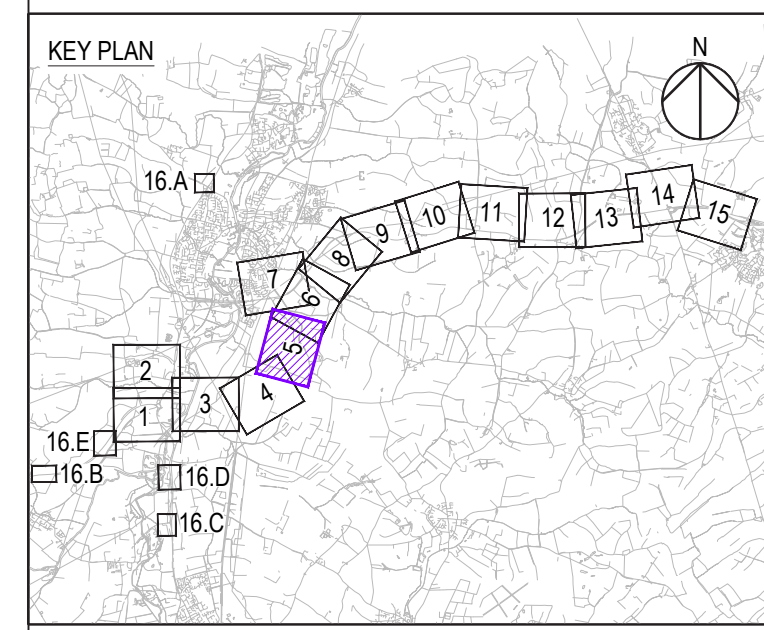
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Revision Details		By	Date	Suffix
Submission for Deadline 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	19/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of national highways
 Woodlands
 Marlton Lane
 Marlton Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

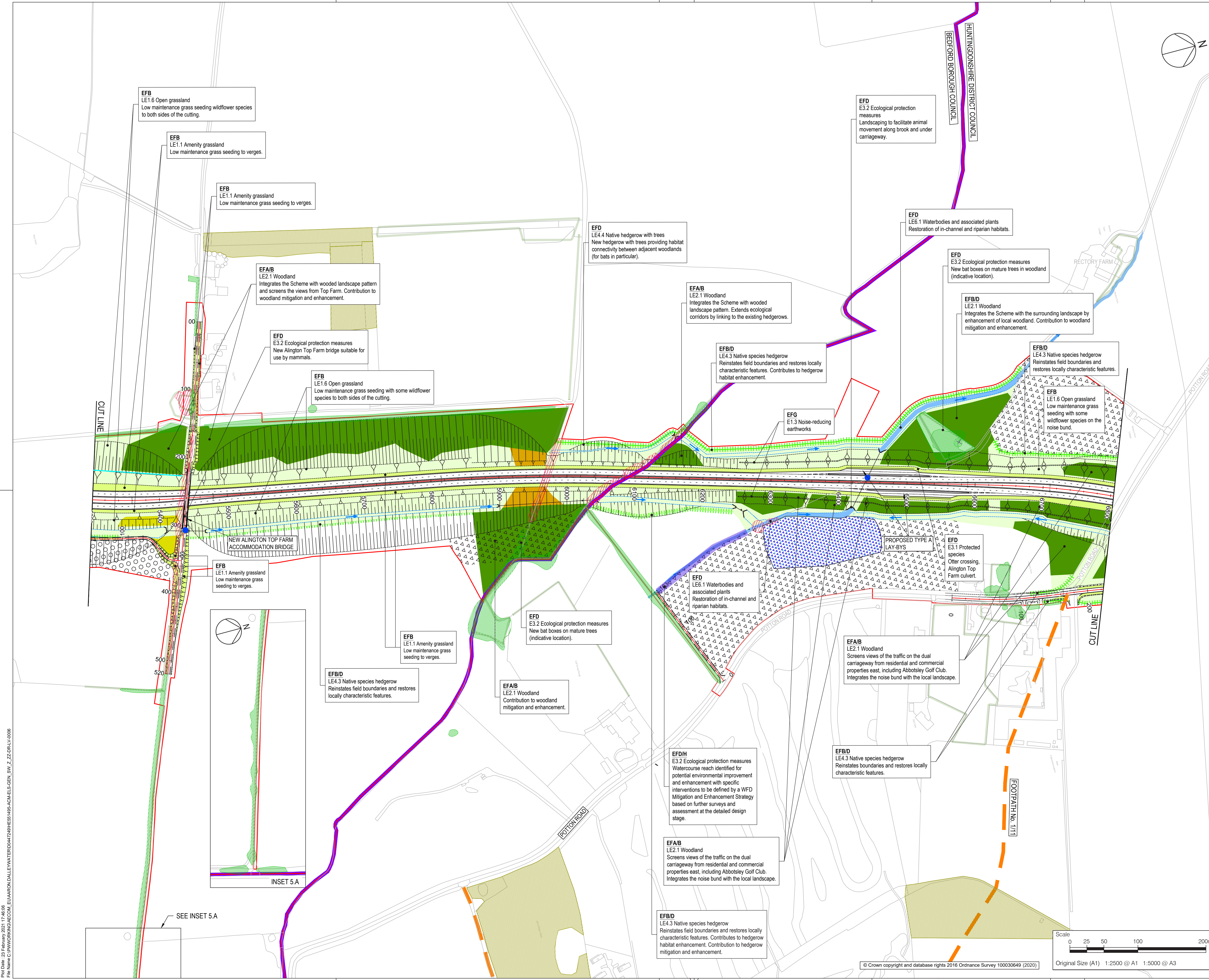
Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 5 OF 16**

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

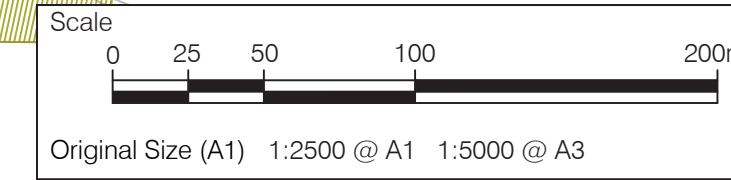
Internal Project No. 60541541
 Scale @ A1 1:2500
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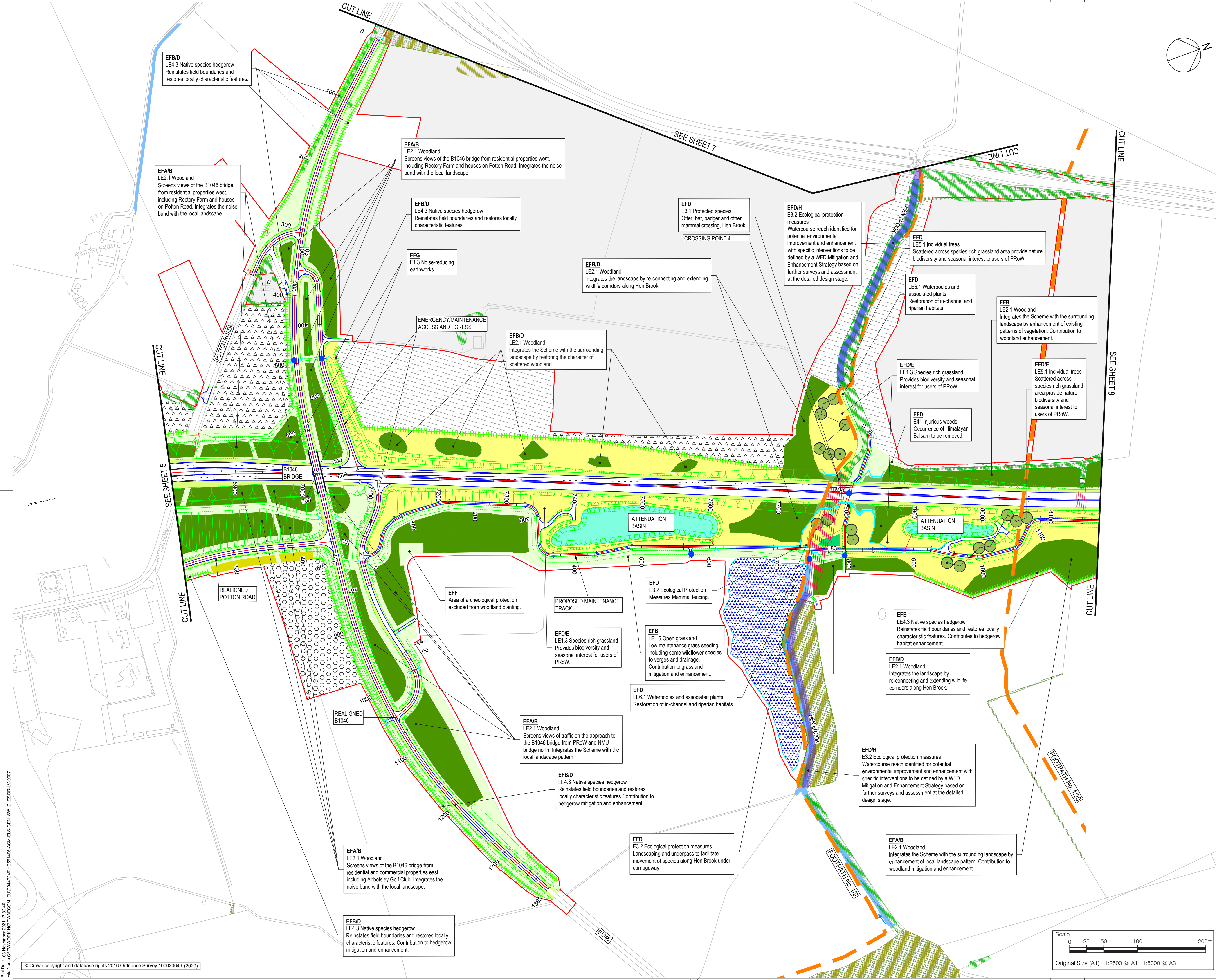
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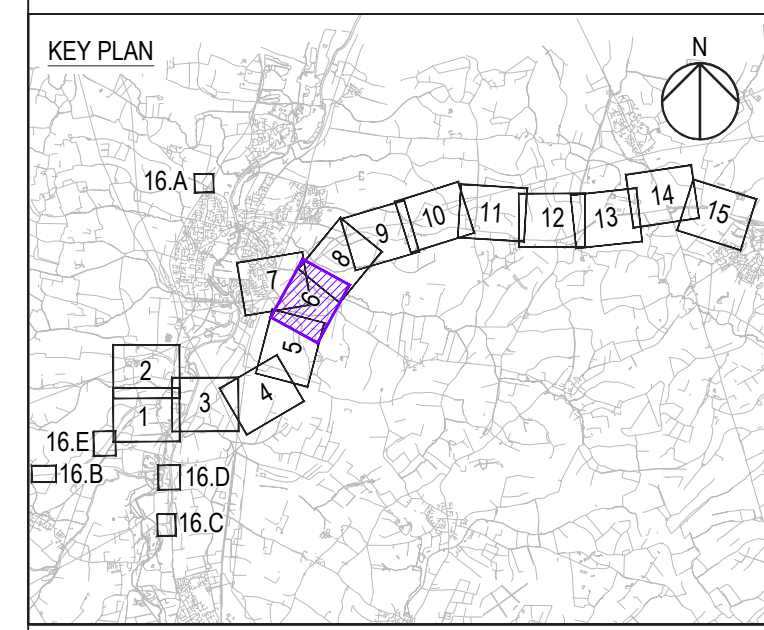
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SEE INSET 5.A

INSET 5.A



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Revision	By	Check	Date	Suffix
Deadline for Submission 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	19/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of national highways
 Woodlands
 Marston Lane
 Marston Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 6 OF 16**

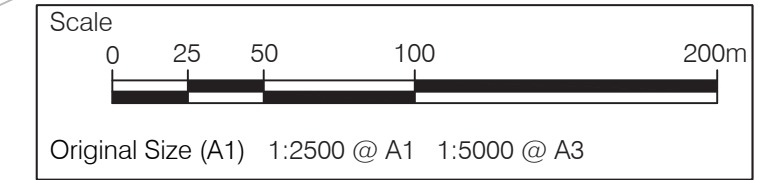
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

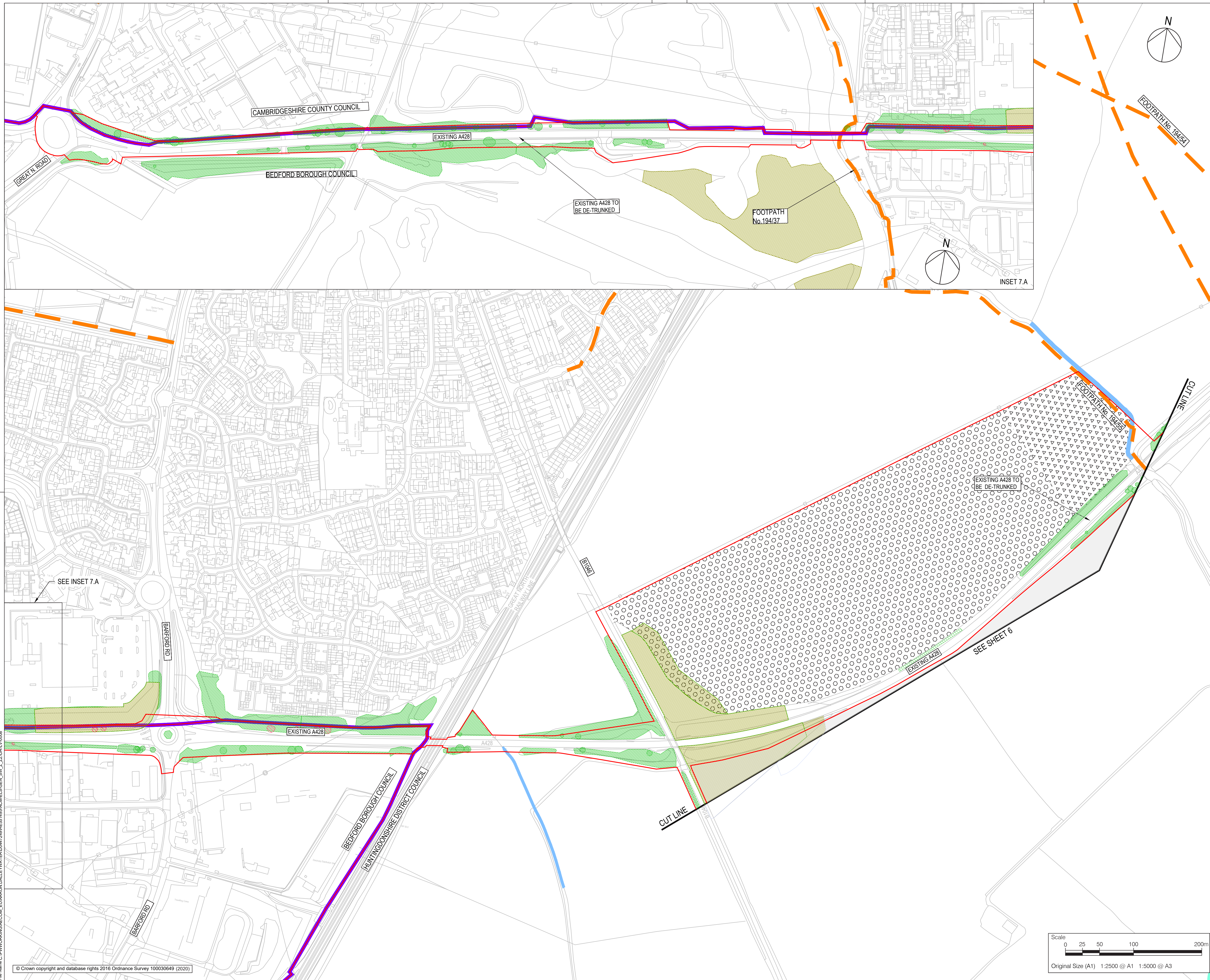
Internal Project No. 60541541
 Scale @ A1: 1:2500
 Subtitle: D7
 Zone: General

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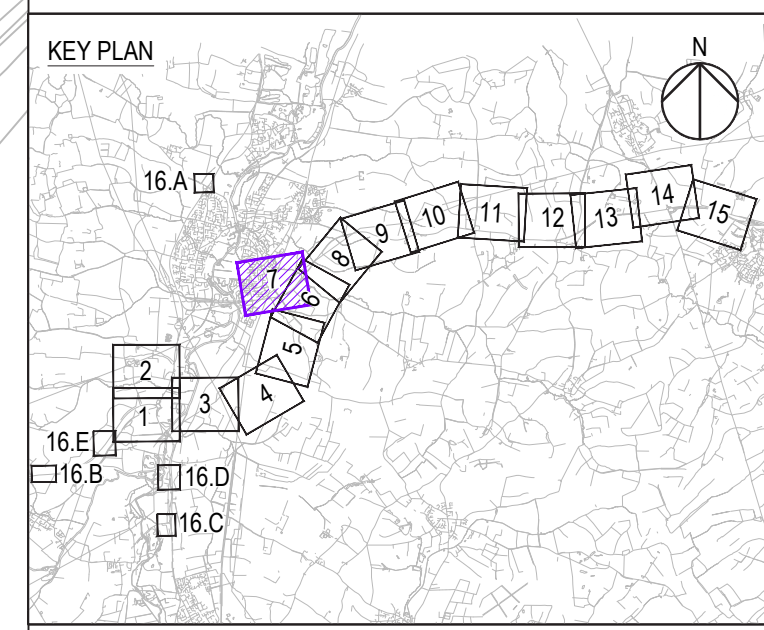
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Plot Date: 03 November 2021 11:25:41
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Revision Details		By	Date	Suffix
Deadline for Submission 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	19/02/21	P01
	By	Check		

DCO APPLICATION

Client: National Highways
 Working on behalf of national highways

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 7 OF 16**

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No. 60541541
 Scale @ A1: 1:2500
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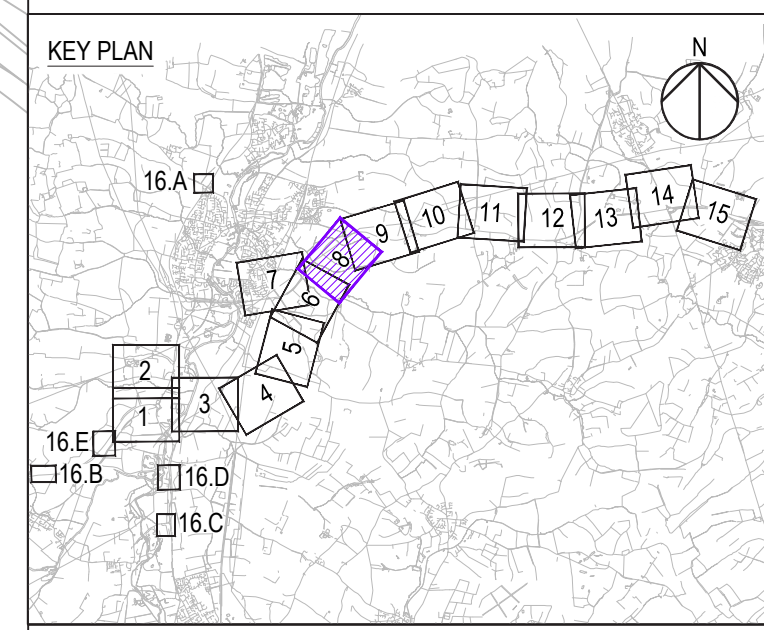
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 - THE DRAFT DEVELOPMENT CONSENT ORDER [TR010044/APPG.1] AND ACCOMPANYING APPLICATION DOCUMENTATION; AND
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Revision Details	By	Check	Date	Suffix
Deadline for Submission 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	19/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of:
 Woodlands
 Marlon Lane
 Marlon Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 8 OF 16**

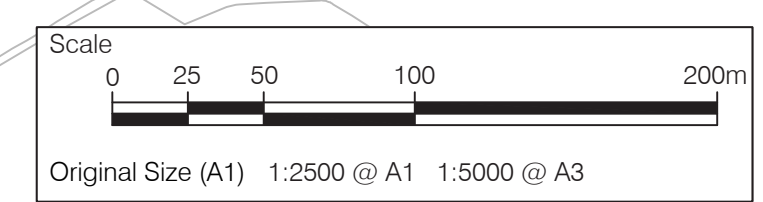
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No. 60541541
 Scale @ A1: 1:2500
 Subtlety: D7
 Zone: General

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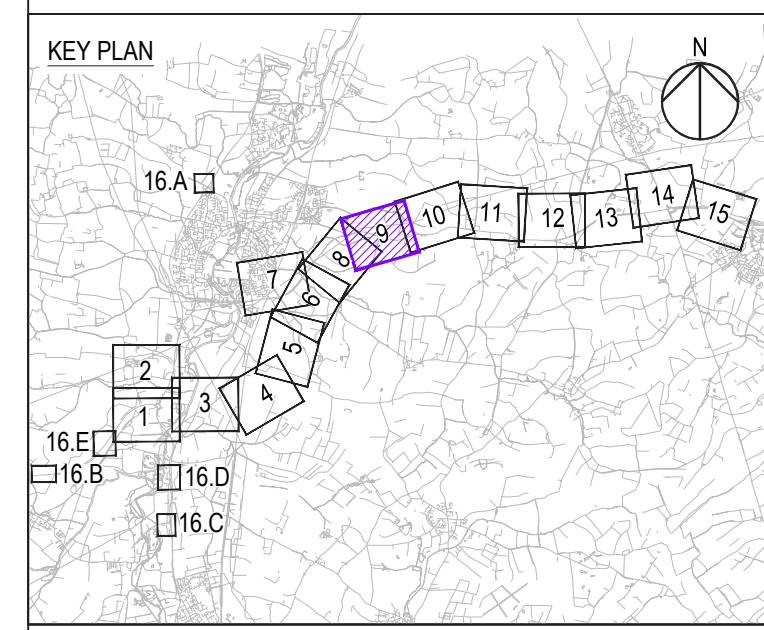
Highways England PIN	1 Originator	1 Volume	Rev
HE551495	ACM	ELS	P02
Location	GEN_SW_Z_ZZ_DR-LV-0009	I Type	1 Role

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Revision Details		By	Check	Date	Suffix
Deadline for Submission 4	EJ	MKM		04/11/21	P02
Final for DCO Application	EJ	MKM		19/02/21	P01

DCO APPLICATION

Client: National Highways
 Woodlands
 Marlon Lane
 Marlon Industrial Estate
 Bedford
 MK41 7LW

Working on behalf of

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

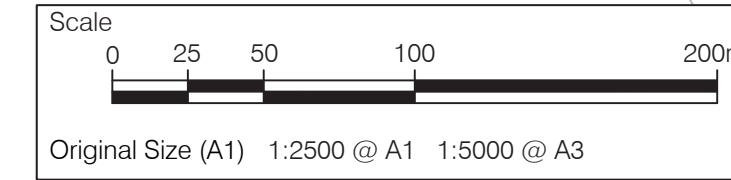
Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 9 OF 16

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

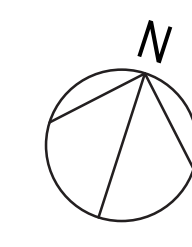
Internal Project No. 60541541
 Scale @ A1 1:2500
 Subtlety D7
 Zone General

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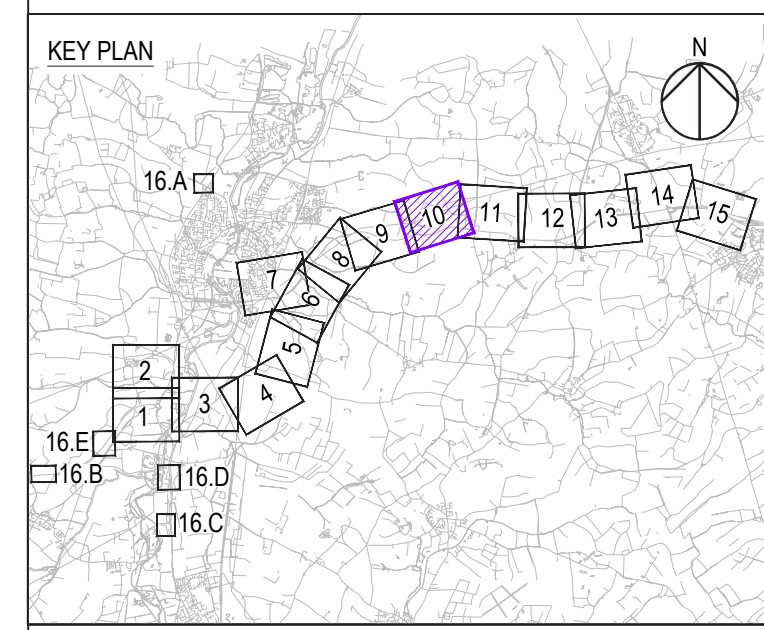
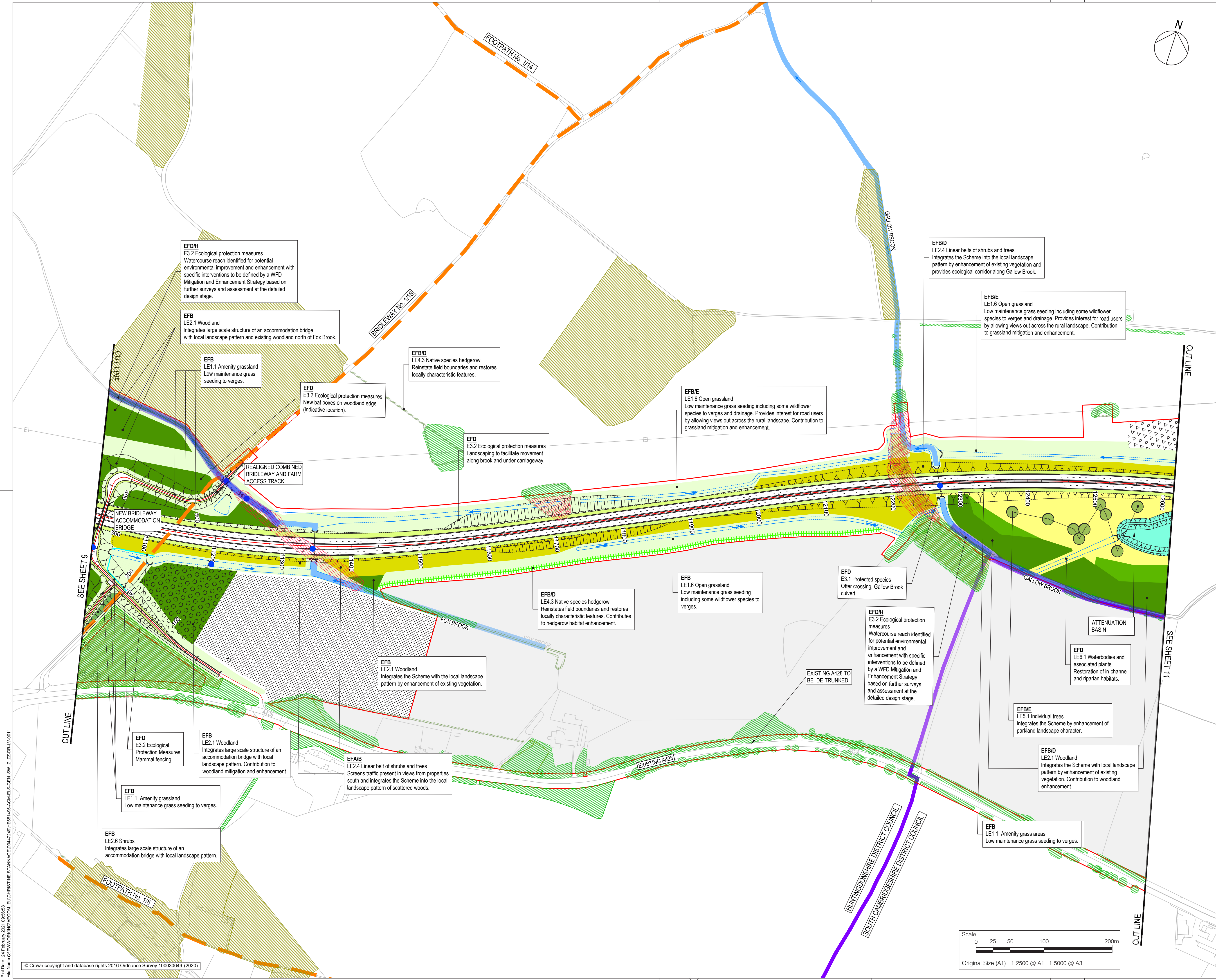
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Revision Details		By	Date	Suffix
Submission for Deadline 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	19/02/21	P01

DCO APPLICATION

Client
National Highways
Woodlands
Marlton Lane
Merton Industrial Estate
Bedford
MK41 7LW

Working on behalf of

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 10 OF 16

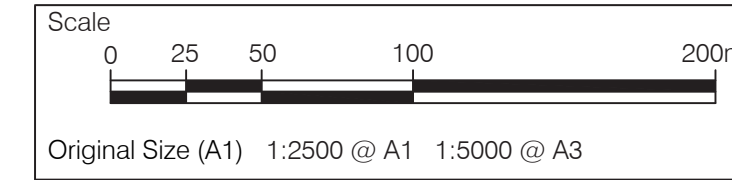
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

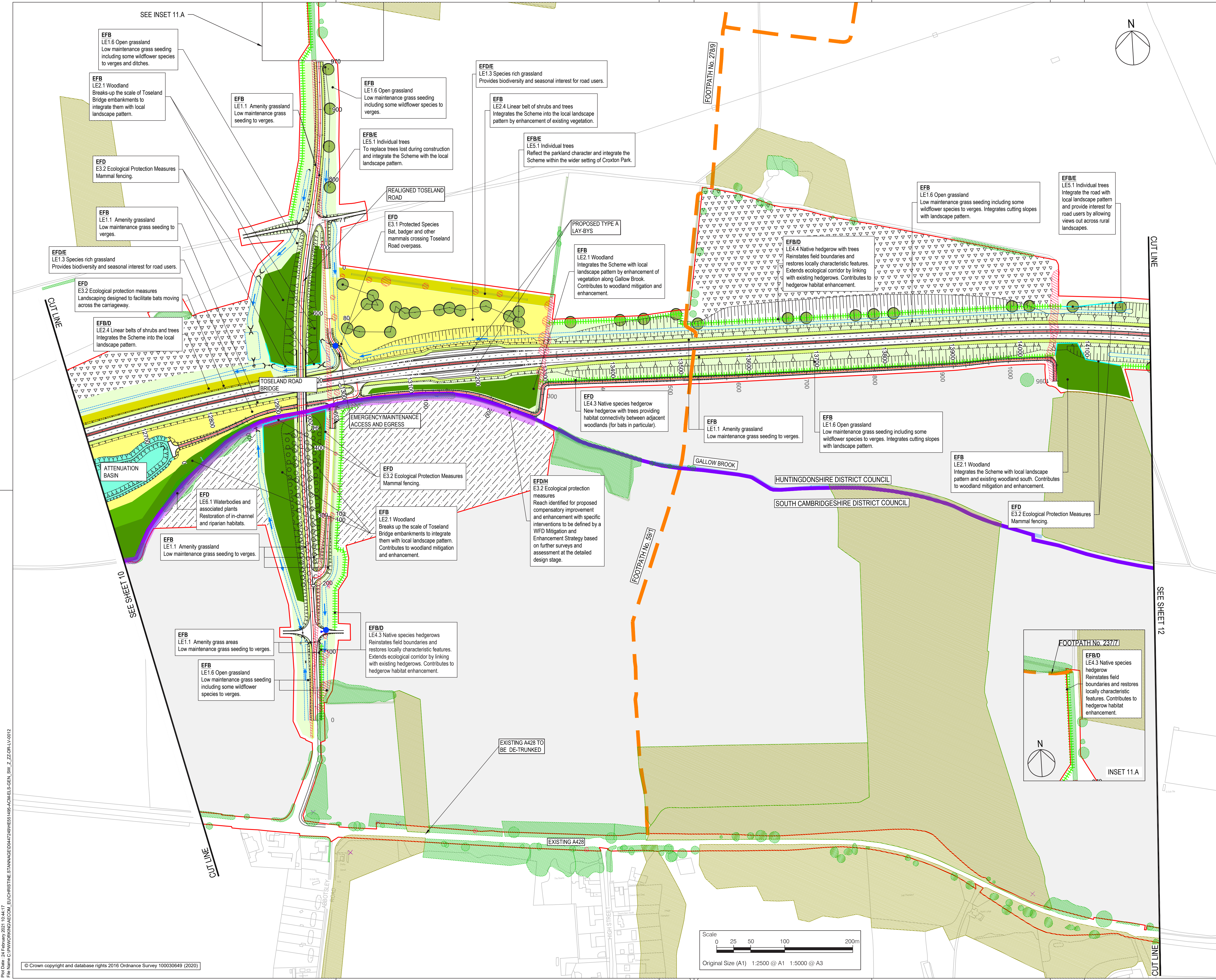
Internal Project No. 60541541
Scale @ A1 1:2500
Subsidiary D7
Zone General

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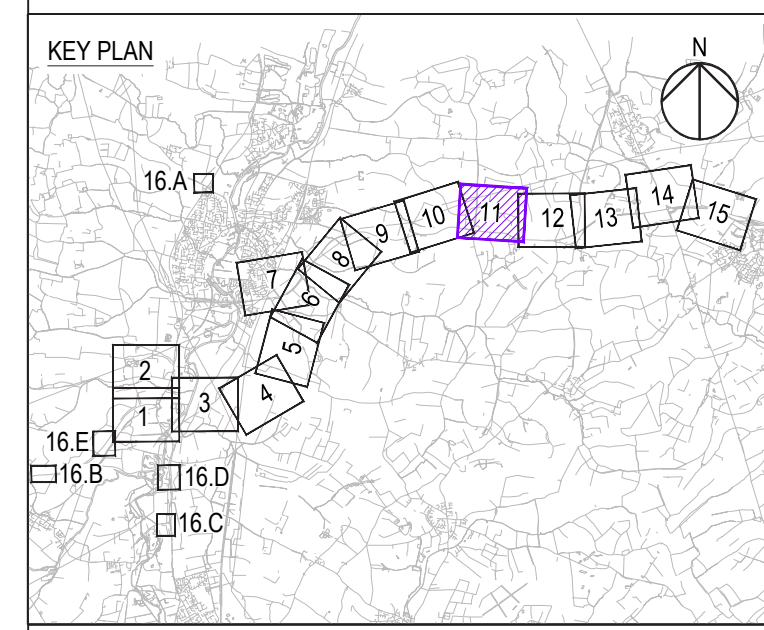
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HE551495 - ACM - ELS - GEN_SW_Z_ZZ - DR - LV - 0011			P02

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Revision Details		By	Date	Suffix
Submission for Deadline 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	23/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of National Highways
 Woodlands
 Marlon Lane
 Marlon Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 11 OF 16**

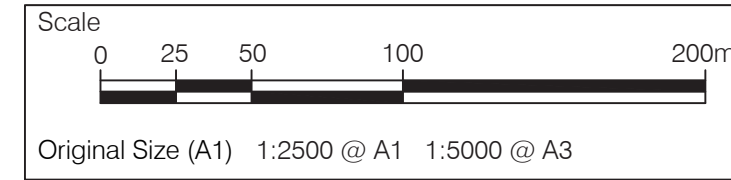
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

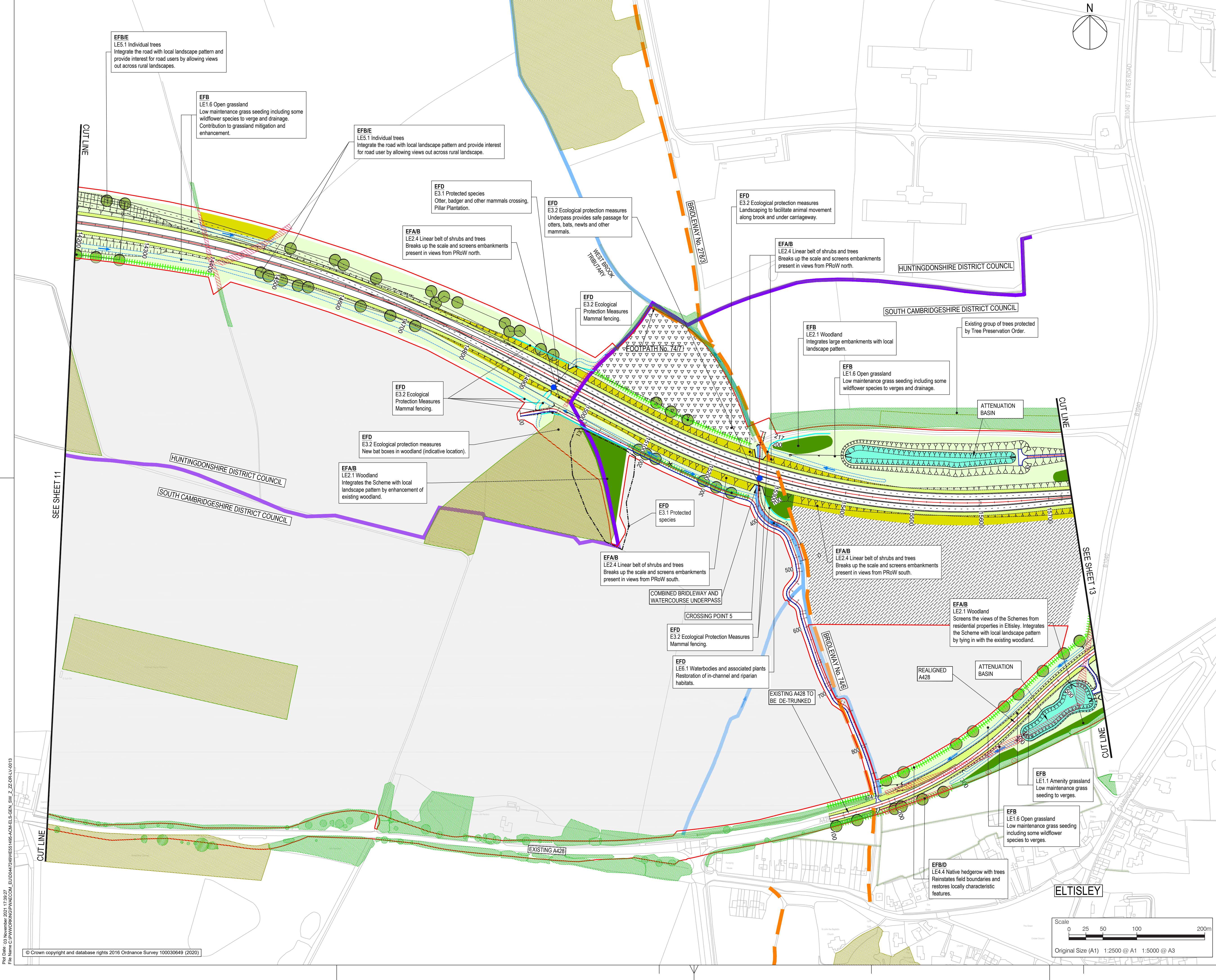
Internal Project No. 60541541
 Scale @ A1: 1:2500
 Subtlety: D7
 Zone: General

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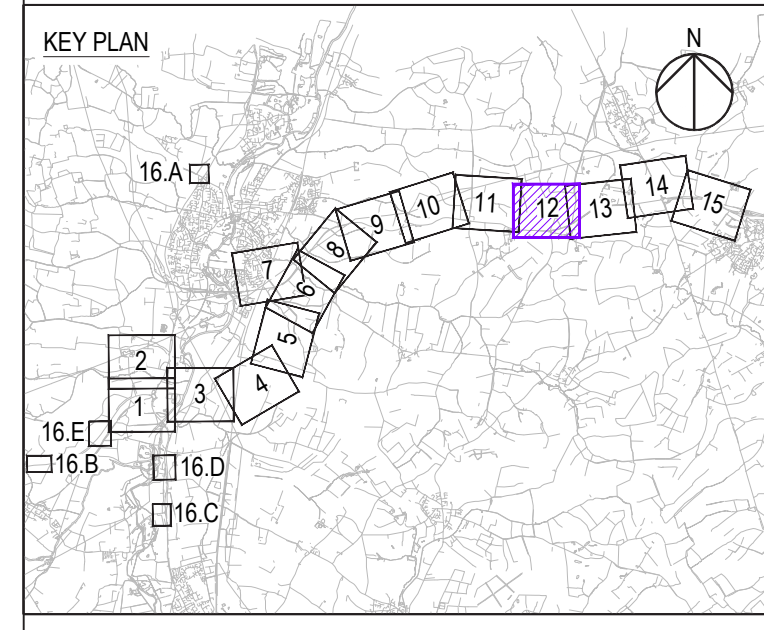
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Revision Details		By	Date	Suffix
Final for DCO Application	EJ	MKM	23/02/21	P01
Deadline for Submission 4	EJ	MKM	04/11/21	P02

DCO APPLICATION

Client: National Highways
 Working on behalf of: national highways

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 12 OF 16**

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

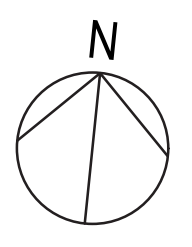
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 Scale @ A1: 1:2500
 Suitability: D7
 Zone: General

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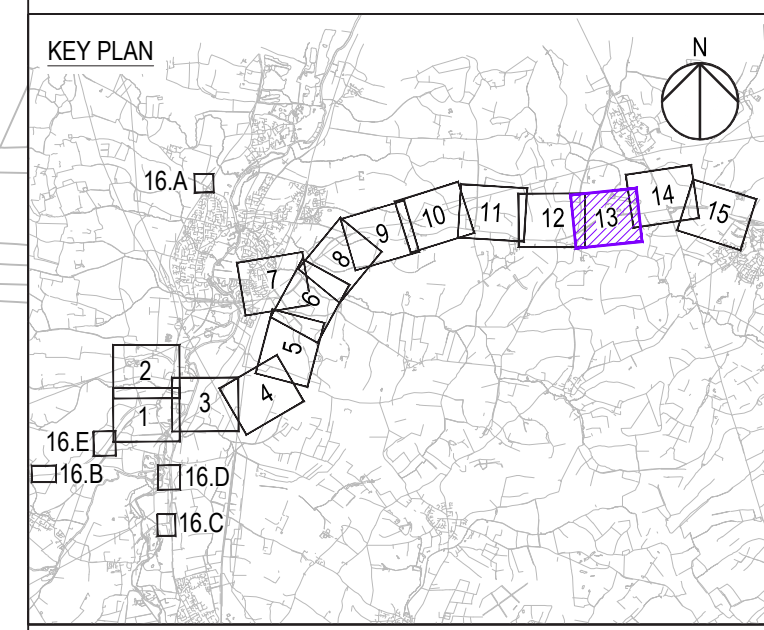
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Revision Details		By	Date	Suffix
Deadline for Submission 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	23/02/21	P01

DCO APPLICATION

Client
National Highways
Woodlands
Marlton Lane
Marlton Industrial Estate
Bedford
MK41 7LW

Working on behalf of

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 13 OF 16

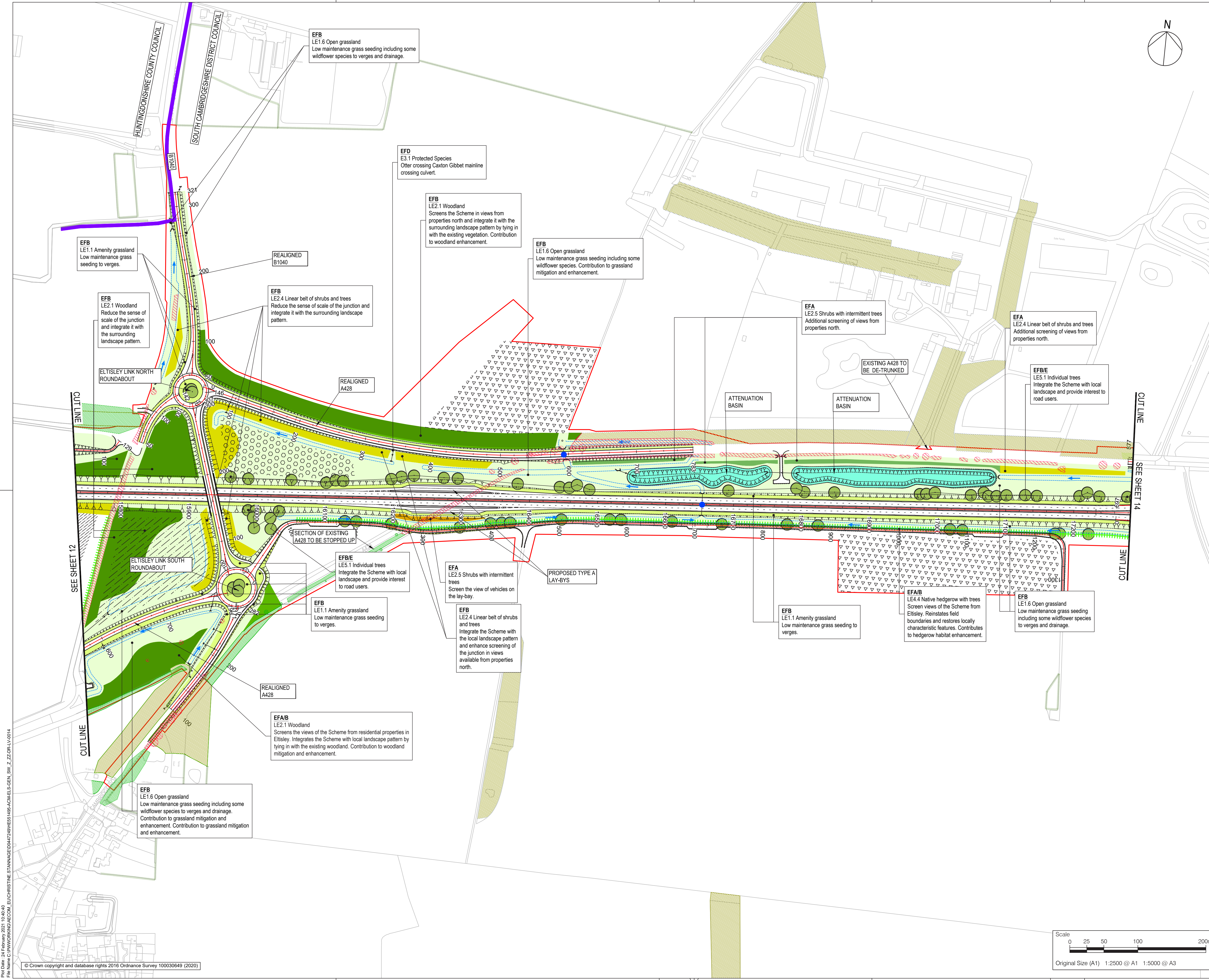
Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No. 60541541
Scale @ A1 1:2500
Subsidiary D7
Zone General

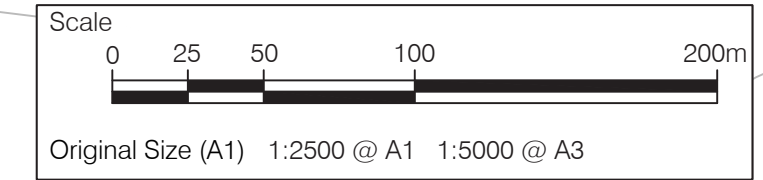
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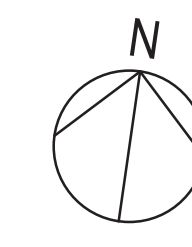
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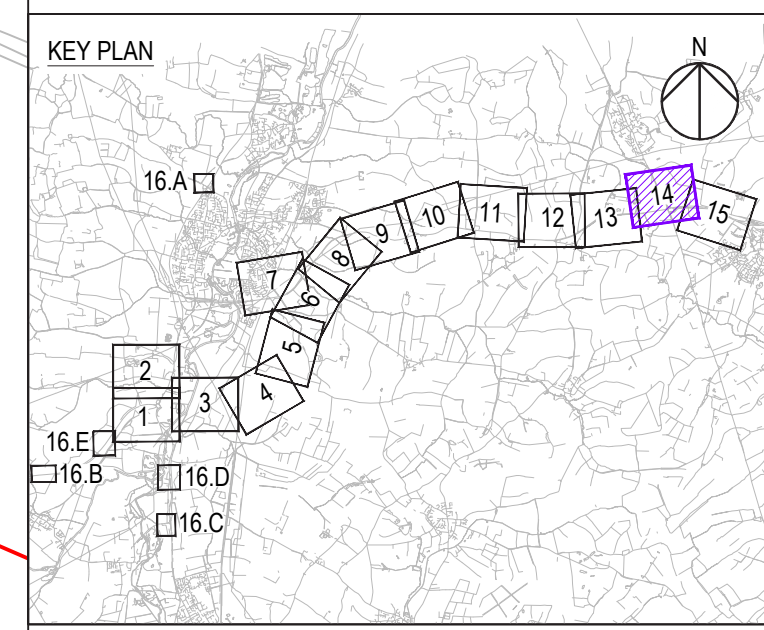


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Revision Details		By	Date	Suffix
Deadline for Submission 4	EJ	MKM	04/11/21	P02
Final for DCO Application	EJ	MKM	23/02/21	P01

DCO APPLICATION

Client: National Highways
 Working on behalf of:
 Woodlands
 Marlton Lane
 Marlton Industrial Estate
 Bedford
 MK41 7LW

Development Consent Order Number: **TR010044**

Project Title: **A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS**

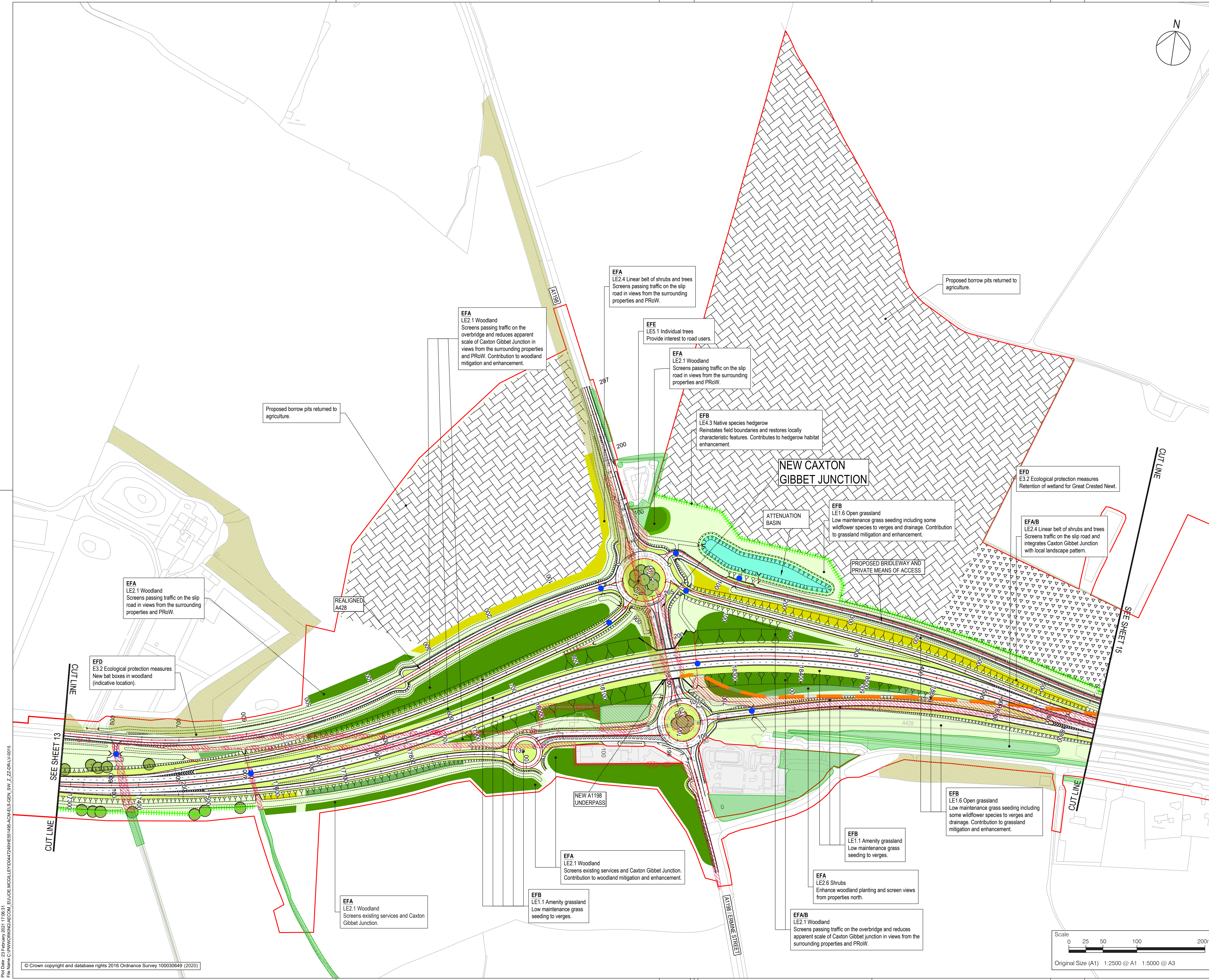
Drawing Title: **ENVIRONMENTAL MASTERPLAN SHEET 14 OF 16**

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

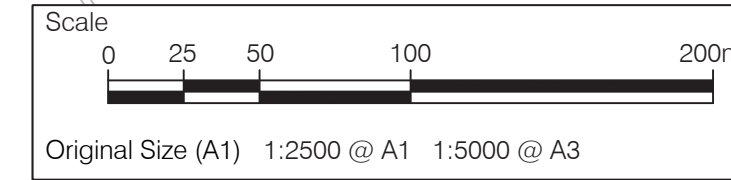
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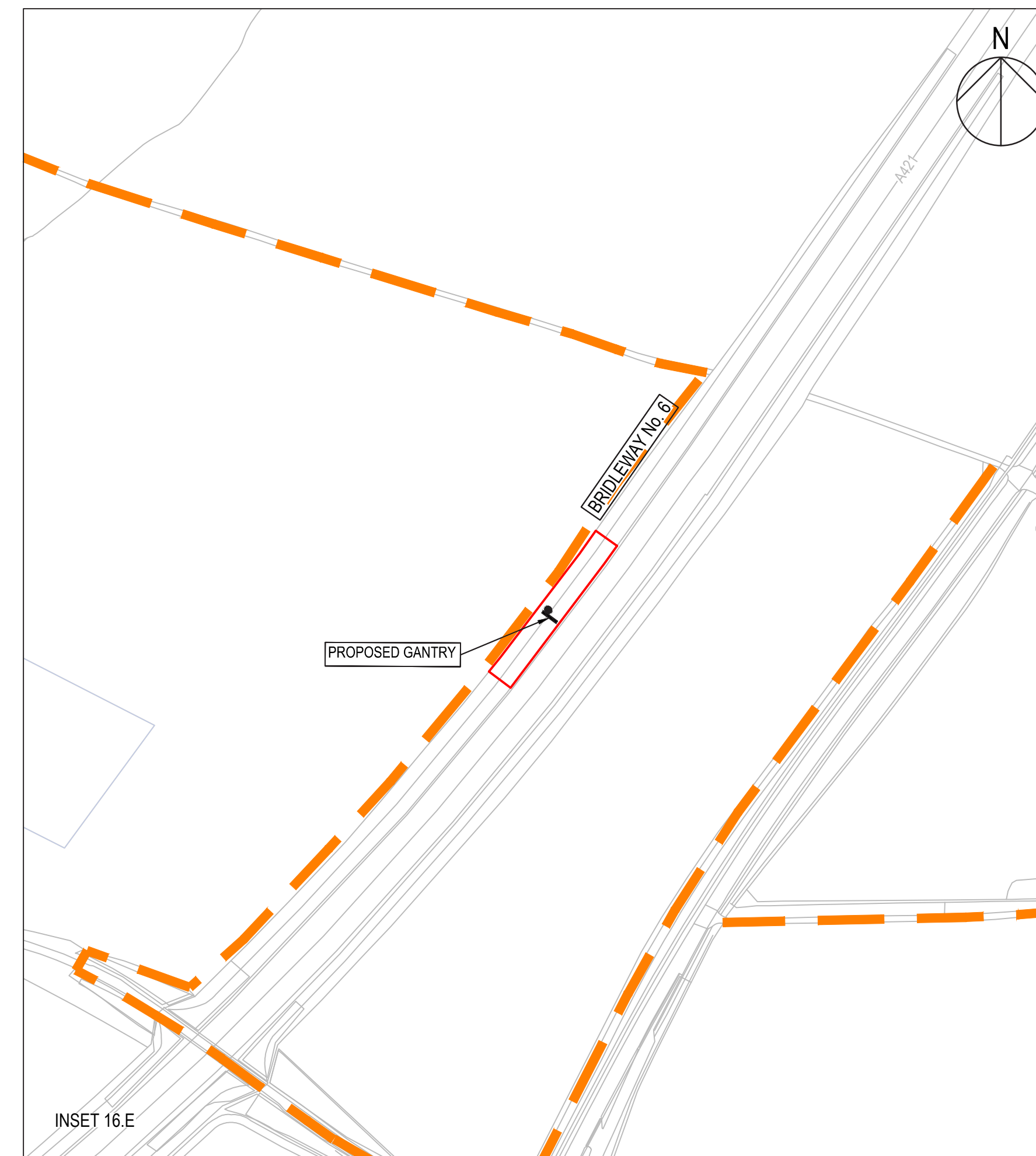
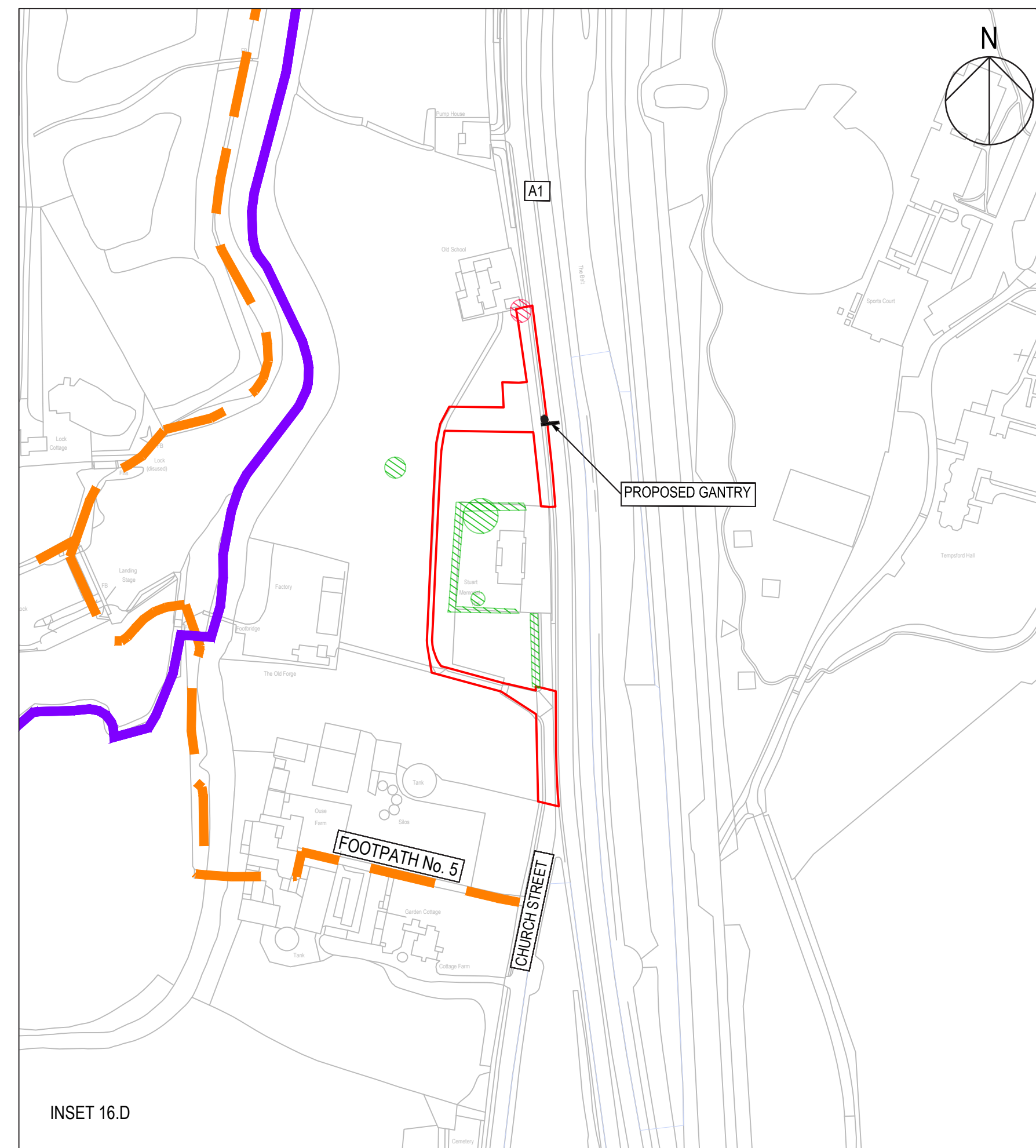
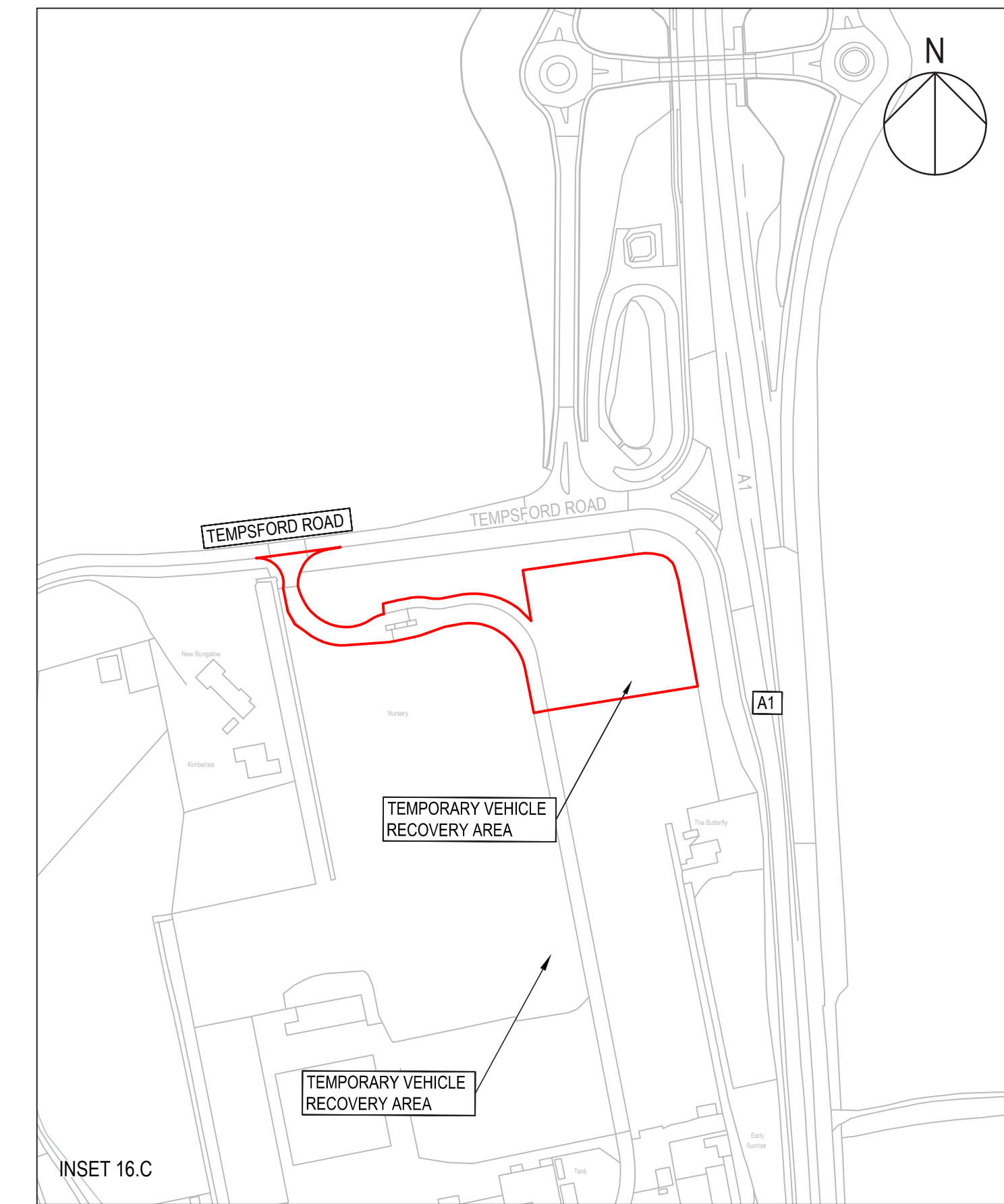
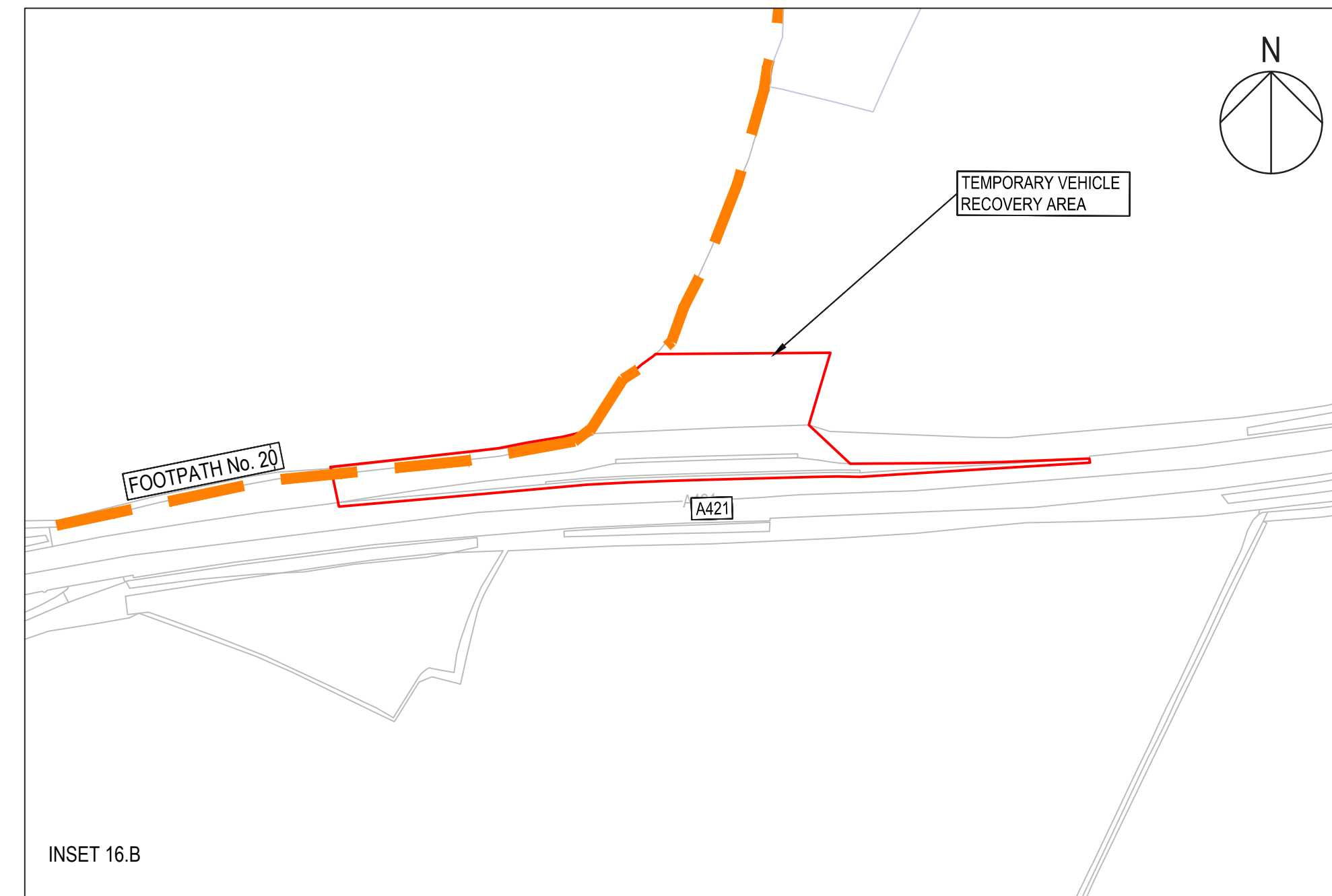
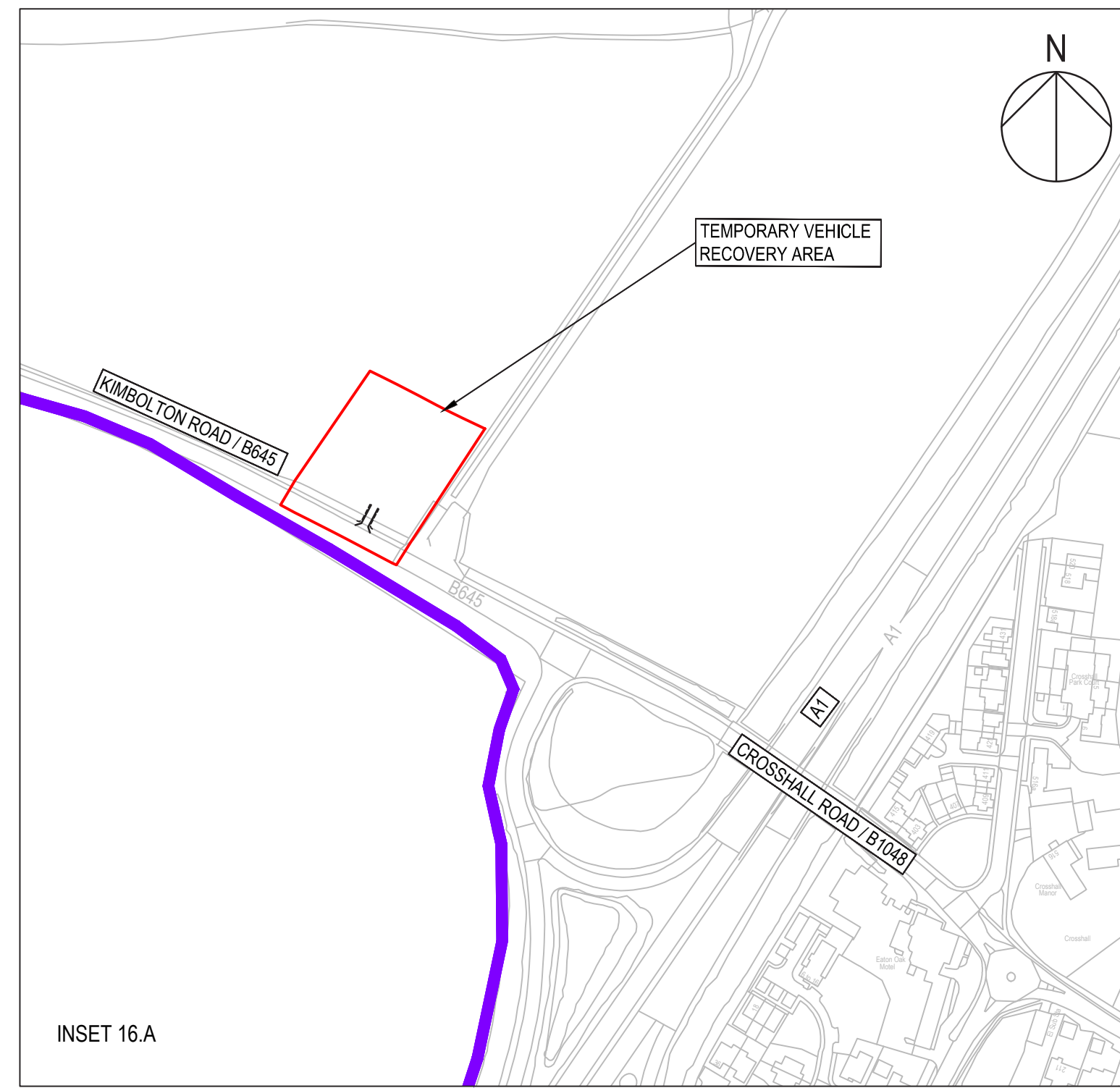
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Drawing Number: **HE551495 - ACM - ELS - GEN_SW_Z_ZZ - DR - LV - 0015**
 Location: **P02**

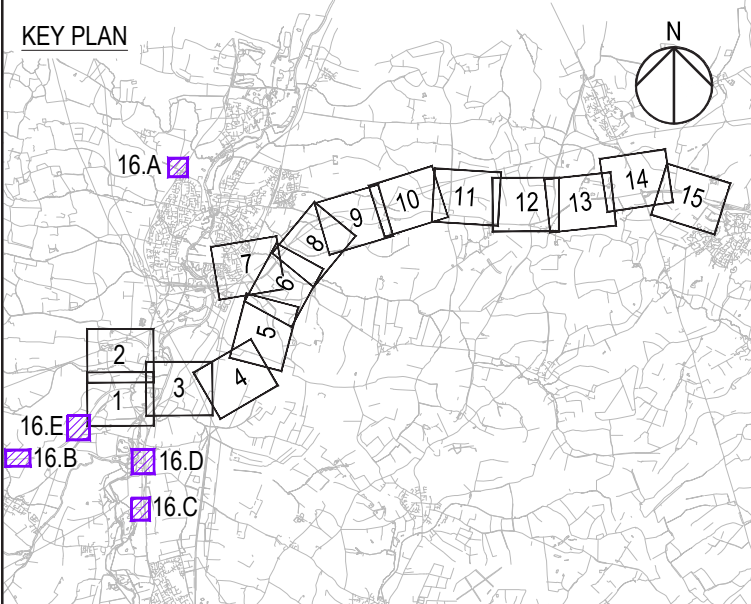


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Revision Details			
By	Check	Date	Suffix
EJ	MKM	04/11/21	P02
EJ	MKM	23/02/21	P01

DCO APPLICATION

Client
National Highways
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Working on behalf of
national highways

Development Consent Order Number
TR010044

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

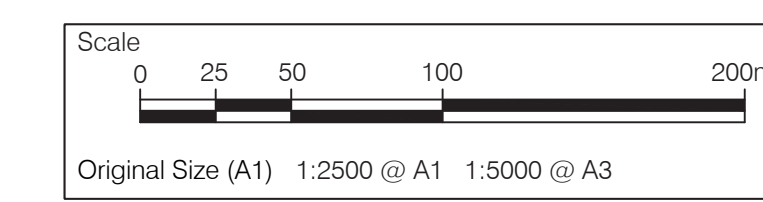
Drawing Title
ENVIRONMENTAL MASTERPLAN SHEET 16 OF 16

Designed	Drawn	Checked	Approved	Date
EJ	EJ	MKM	MKM	04/11/21

Internal Project No. 60541541
Scale @ A1 1:2500
Suitability D7
Zone General

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Drawing Number	Highways England PIN	1 Originator	1 Volume	Rev
HE551495 - ACM	- ELS -			P02
GEN_SW_Z_ZZ-DR-LV-0017				



Plot Date: 04/11/2021 10:51:23
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