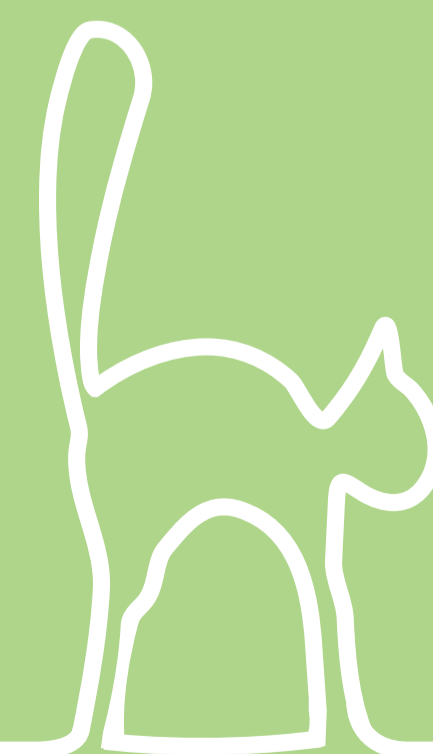


A428

Black Cat to Caxton Gibbet improvements

Public consultation 2019

Map book 1: General Arrangements



June 2019

A428 Black Cat to Caxton Gibbet map books

The three map books contain plans of the proposed project under the following headings:

- Map book 1 – General Arrangements (layout plans)
- Map book 2 – land plans
- Map book 3 – engineering plans

These plans show our current proposals and are published for the purposes of consultation on the project. The proposals are therefore subject to change due to consultation feedback and further design development.

The plans run from the Black Cat junction in the west to the Caxton Gibbet junction in the east.

Map book 1 - General Arrangements

The General Arrangements show the proposed details of the project including:

- Engineering & construction
- Environment
- Development boundary

Map book 2 - land plans

The land plans show the areas we may need to purchase or require temporary rights to use, in order to construct and operate the project.

Areas we may need to purchase or require temporary rights to use include the land for the permanent works, temporary works and compensation land.

Permanent works

Permanent use of land will be required along the route of the road, for re-connecting local roads and for associated structures, drainage ponds and landscape areas.

Temporary works

Temporary use of land is needed for the project's construction works and to provide sufficient space to do so safely. The plans show land that may be required temporarily for the main construction compounds and storage areas along the route. We will also require rights over land to divert utilities such as gas pipelines, electricity cables and water pipes. Any land that is only required temporarily will be returned to its previous use wherever possible once construction has been completed.

Compensation land

Compensation land may include environmental protection measures such as habitat creation and for flood compensation. This land may also need to be acquired permanently.

Map book 3 - engineering plans

This book contains engineering drawings in the following order:

- The plan and profile drawings which detail the vertical and horizontal alignment of the new dual carriageway
- The typical cross section of the new dual carriageway

The plan and profile drawings show the highway details of the route in plan and profile. The drawings are split into two views with the plan on the top and profile underneath.

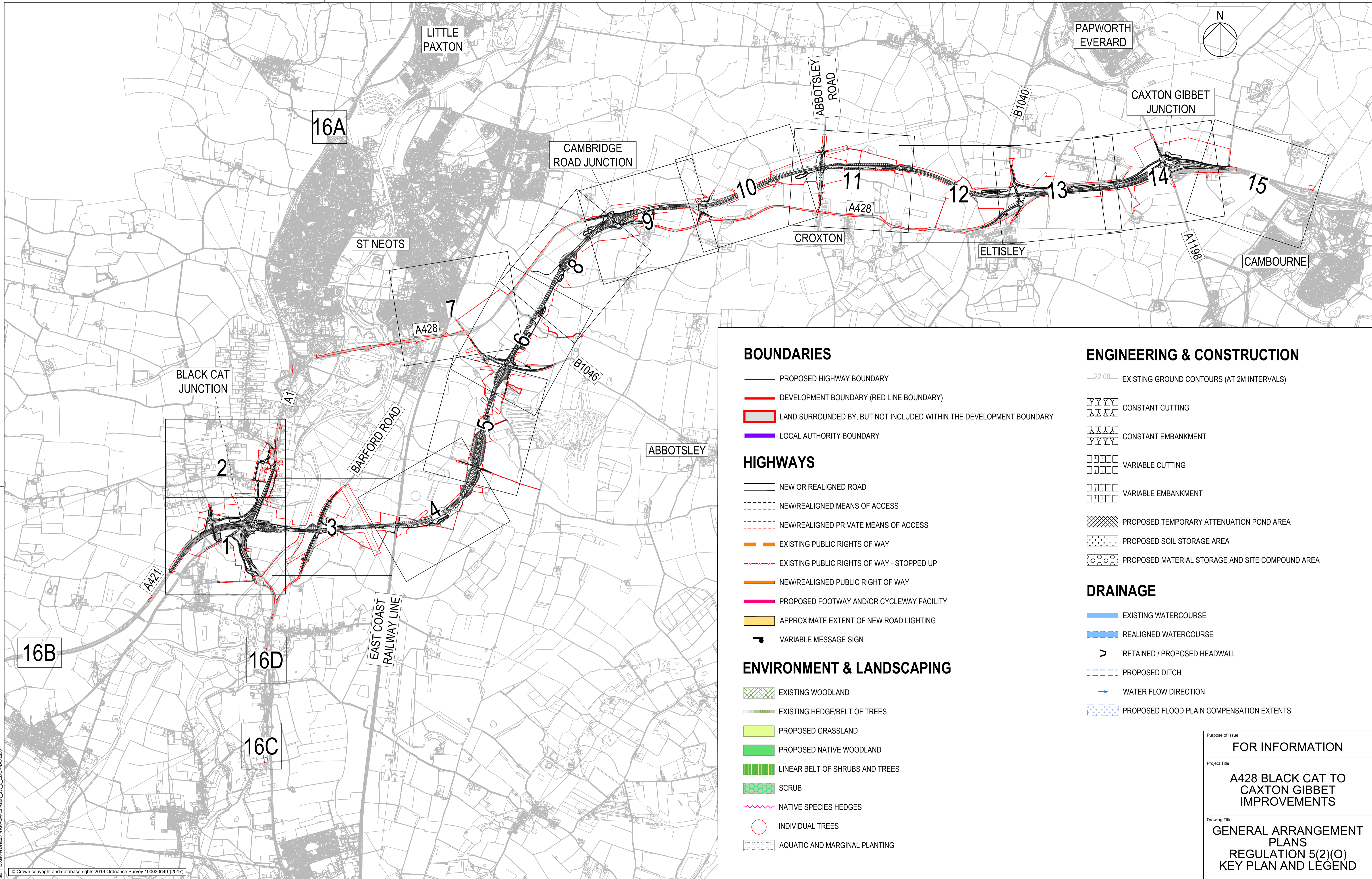
The profile gives the road level in relation to existing ground at a given chainage*. An exaggerated scale is used in the profile to help show the differences in levels and gradients of the design. The profile also shows where existing roads and public rights of way cross over or under the route.

All levels are given in relation to the ordnance datum level** which might be different on each drawing.

*Chainage measures the distance along the route in metres

**Above Ordnance Datum level (AOD) is a measurement above mean sea level





BOUNDARIES

- PROPOSED HIGHWAY BOUNDARY
- DEVELOPMENT BOUNDARY (RED LINE BOUNDARY)
- LAND SURROUNDED BY, BUT NOT INCLUDED WITHIN THE DEVELOPMENT BOUNDARY
- LOCAL AUTHORITY BOUNDARY

HIGHWAYS

- NEW OR REALIGNED ROAD
- NEW/REALIGNED MEANS OF ACCESS
- NEW/REALIGNED PRIVATE MEANS OF ACCESS
- EXISTING PUBLIC RIGHTS OF WAY
- EXISTING PUBLIC RIGHTS OF WAY - STOPPED UP
- NEW/REALIGNED PUBLIC RIGHT OF WAY
- PROPOSED FOOTWAY AND/OR CYCLEWAY FACILITY
- APPROXIMATE EXTENT OF NEW ROAD LIGHTING
- VARIABLE MESSAGE SIGN

ENVIRONMENT & LANDSCAPING

- EXISTING WOODLAND
- EXISTING HEDGE/BELT OF TREES
- PROPOSED GRASSLAND
- PROPOSED NATIVE WOODLAND
- LINEAR BELT OF SHRUBS AND TREES
- SCRUB
- NATIVE SPECIES HEDGES
- INDIVIDUAL TREES
- AQUATIC AND MARGINAL PLANTING

ENGINEERING & CONSTRUCTION

- 22.00 EXISTING GROUND CONTOURS (AT 2M INTERVALS)
- CONSTANT CUTTING
- CONSTANT EMBANKMENT
- VARIABLE CUTTING
- VARIABLE EMBANKMENT
- PROPOSED TEMPORARY ATTENUATION POND AREA
- PROPOSED SOIL STORAGE AREA
- PROPOSED MATERIAL STORAGE AND SITE COMPOUND AREA

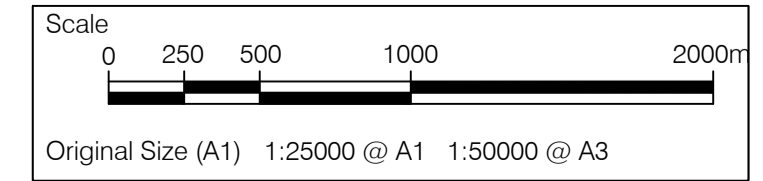
DRAINAGE

- EXISTING WATERCOURSE
- REALIGNED WATERCOURSE
- RETAINED / PROPOSED HEADWALL
- PROPOSED DITCH
- WATER FLOW DIRECTION
- PROPOSED FLOOD PLAIN COMPENSATION EXTENTS

Revision	By	Date	Check	Suffix
First Issue	JB	22/05/19	TD	P01

NOTES

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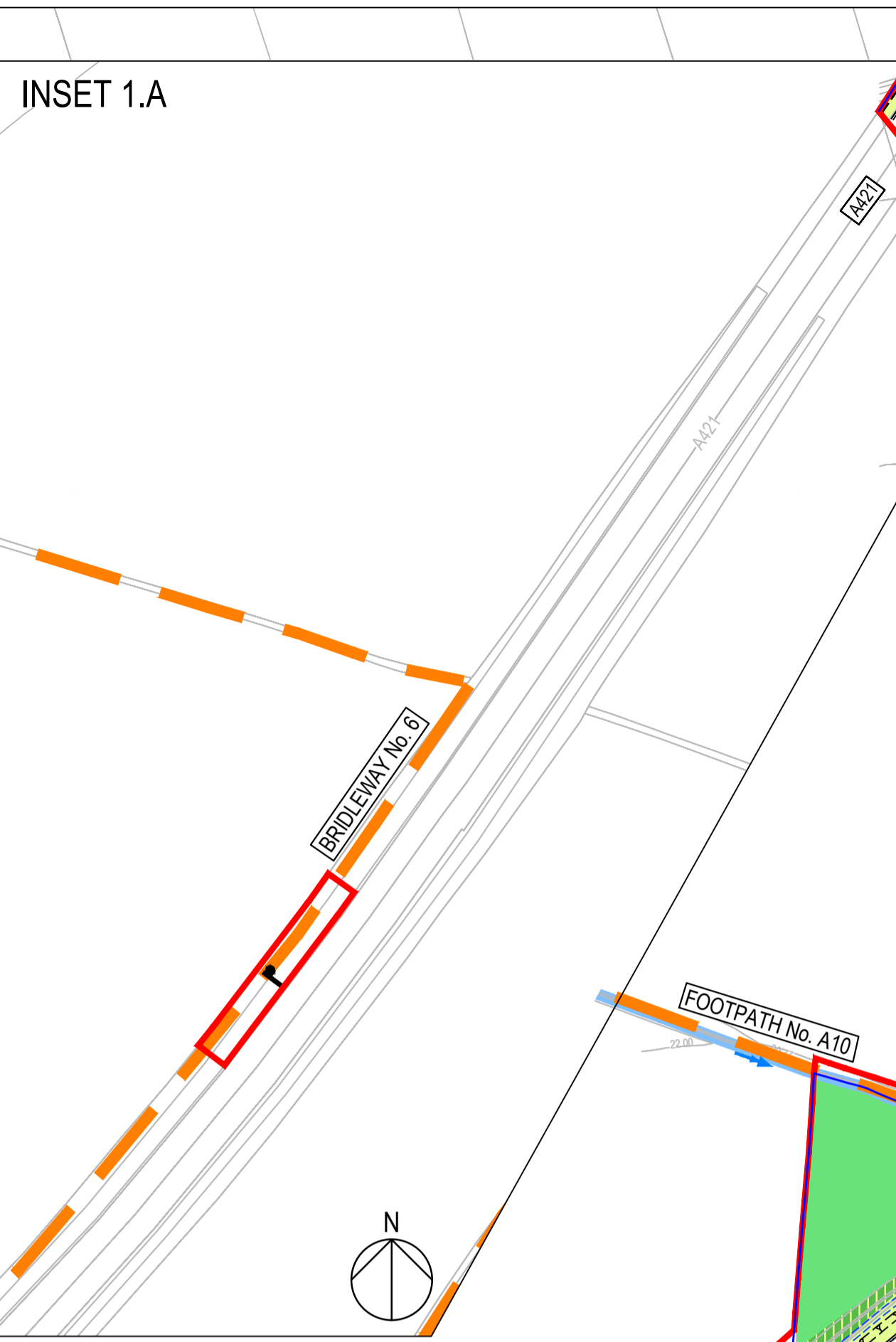


Purpose of issue				
FOR INFORMATION				
Project Title				
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS				
Drawing Title				
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Internal Project No. 60541541			Suitability S2	
Scale @ A1 1:2500			Zone General	
Drawing Number HE551495 -ACM -LSI -				
Highways England PIN 1 Originator I Volume 1				
GEN_SW_Z_ZZ			-DR-DC-2650	
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				Rev P01

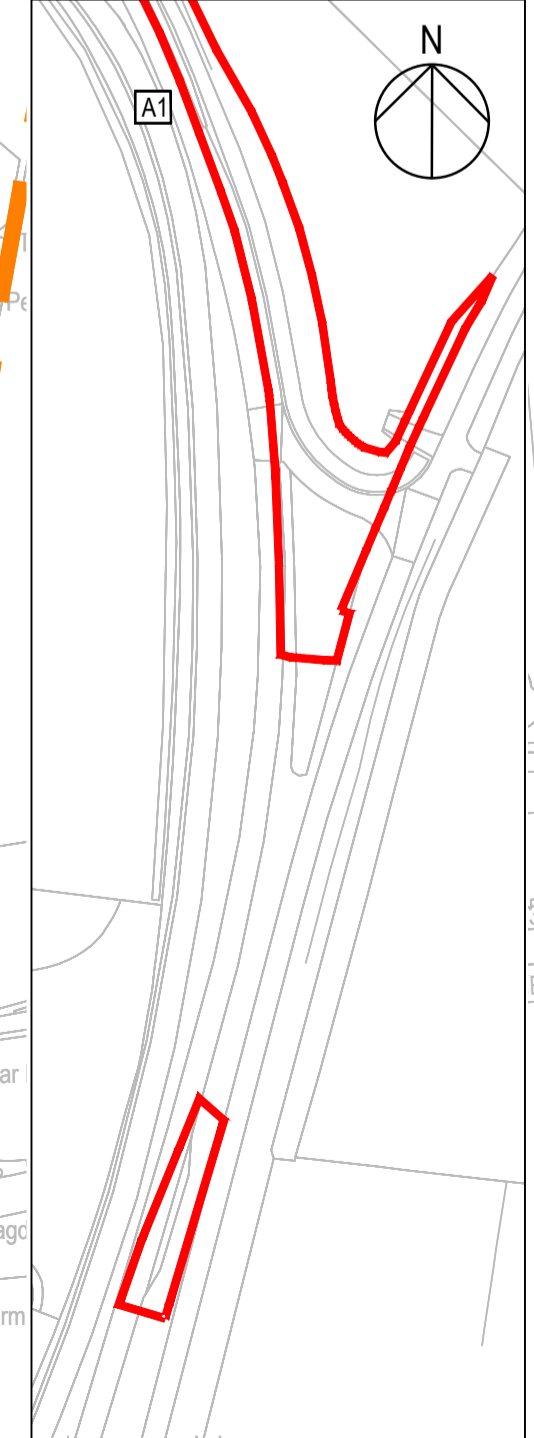
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INSET 1.A



INSET 1.B



CUT LINE SEE SHEET 2

NEW LINK ROAD BETWEEN ROXTON ROAD AND THE LAKE
FOOTPATH No. 7
FOOTPATH No. 8

NEW ROXTON ROAD ROUNDABOUT

REALIGNED FARM ACCESS TRACK AND PUBLIC FOOTPATH
PROPOSED DRY BASINS

NEW BLACK CAT JUNCTION

NEW BP GARAGE ACCESS SERVICE ROAD
PROPOSED DRY BASIN

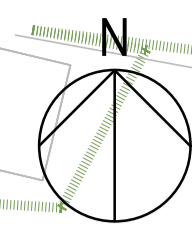
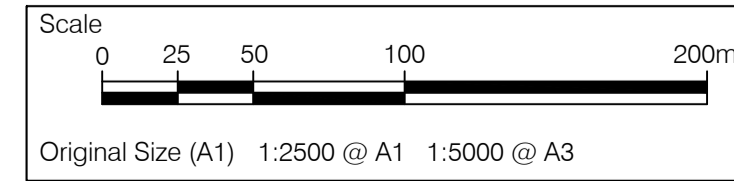
NEW GREENACRES ACCESS TRACK

NEW COMBINED KELPIE MARINA ACCESS TRACK AND PUBLIC FOOTPATH

SCHEME TO TIE INTO EXISTING CARRIAGEWAY

SEE INSET 1.A

SEE INSET 1.B



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First Issue	JB	22/05/19	P01
Revision Details	By	Date	Suffix
	Check		

FOR INFORMATION

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

Working on behalf of
highways england

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 1 OF 16**

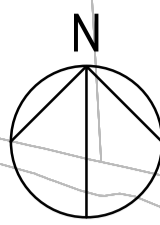
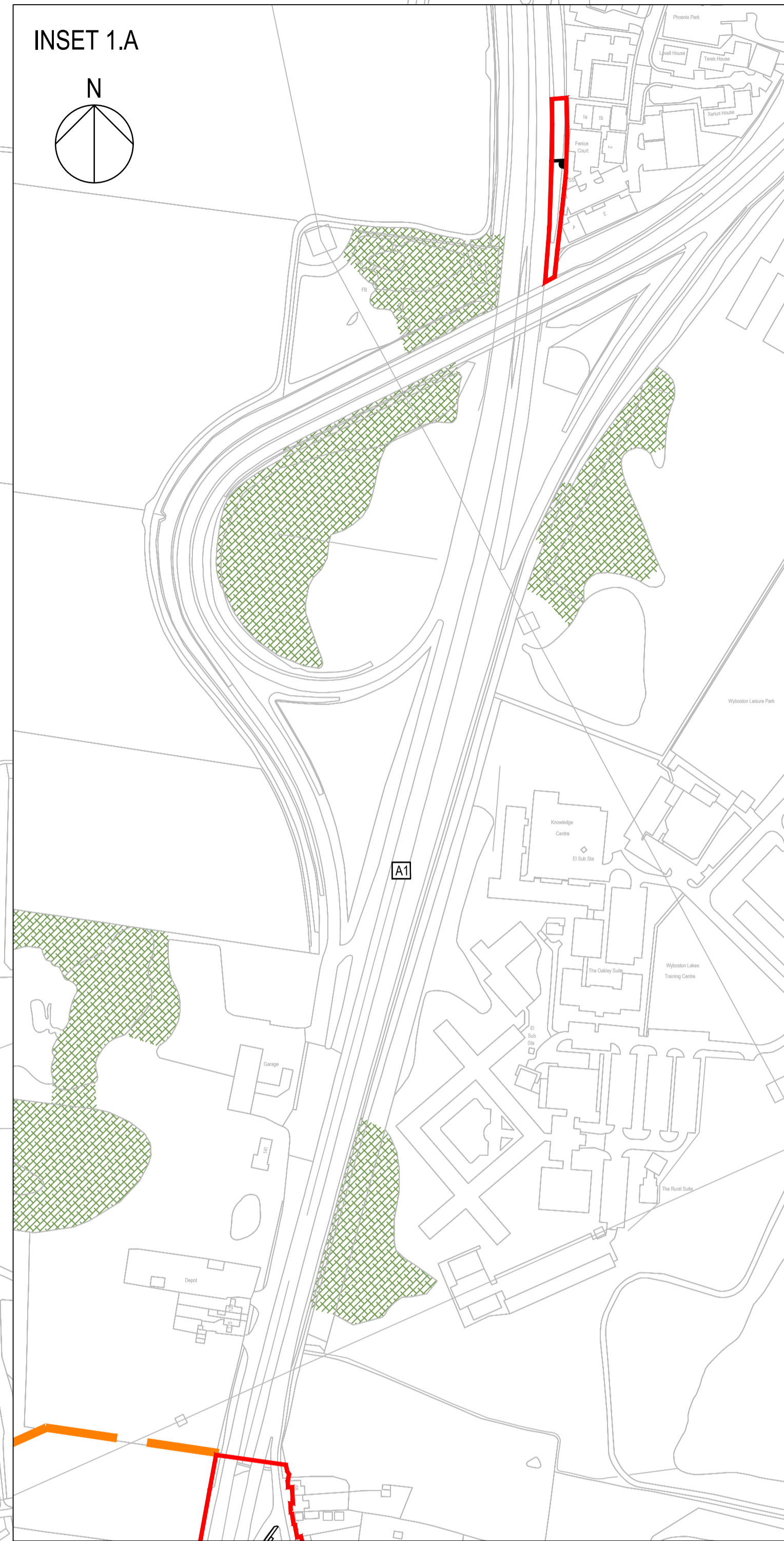
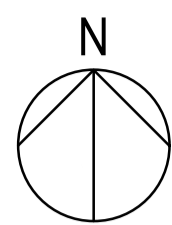
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MS	JB	PS	TD	22/05/19
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60541541	S2			
Scale @ A1	Zone			
1:2500	ZN1			

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HE551495	-ACM	-LSI	-	P01
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INSET 1.A



SEE INSET 1.A

FOOTPATH No. 33

RELOCATED BUS STOPS

THE LANE

A1 ACCESSES TO BE CLOSED OFF

NEW LINK ROAD BETWEEN ROXTON ROAD AND THE LANE

CHAWSTON

CHAWSTON LANE

BP GARAGE

NEW BP GARAGE ACCESS SERVICE ROAD

IMPROVED GREAT NORTH ROAD

FOOTPATH No. 7

SOUTH BROOK

FOOTPATH No. 8

FOOTPATH No. 9

CUT LINE

SEE SHEET 1

CUT LINE

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First Issue	JB	22/05/19	P01
Revision Details	By	Date	Suffix
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FOR INFORMATION

Client
Highways England
Woodlands
Manton Lane
Bedford
MK41 7LW

Project Title

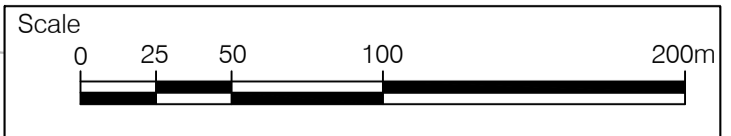


**A428 BLACK CAT TO
CAXTON GIBBET
IMPROVEMENTS**

**GENERAL ARRANGEMENT
PLANS
REGULATION 5(2)(O)
SHEET 2 OF 16**

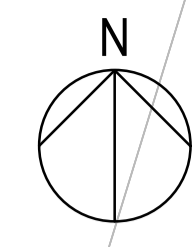
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Internal Project No. 60541541	Subsidiarity S2	Scale @ A1 1:2500		
Zone ZN1				

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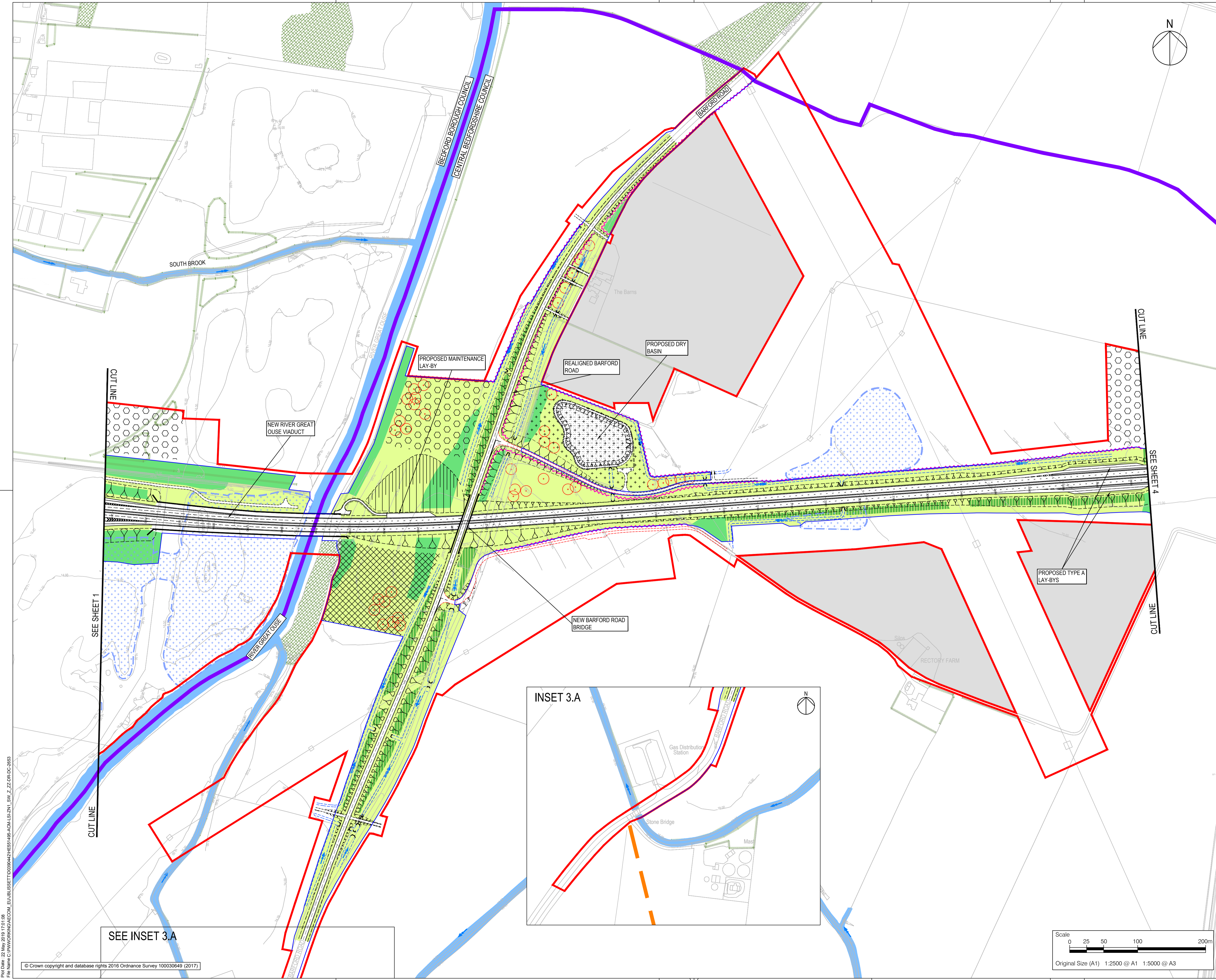


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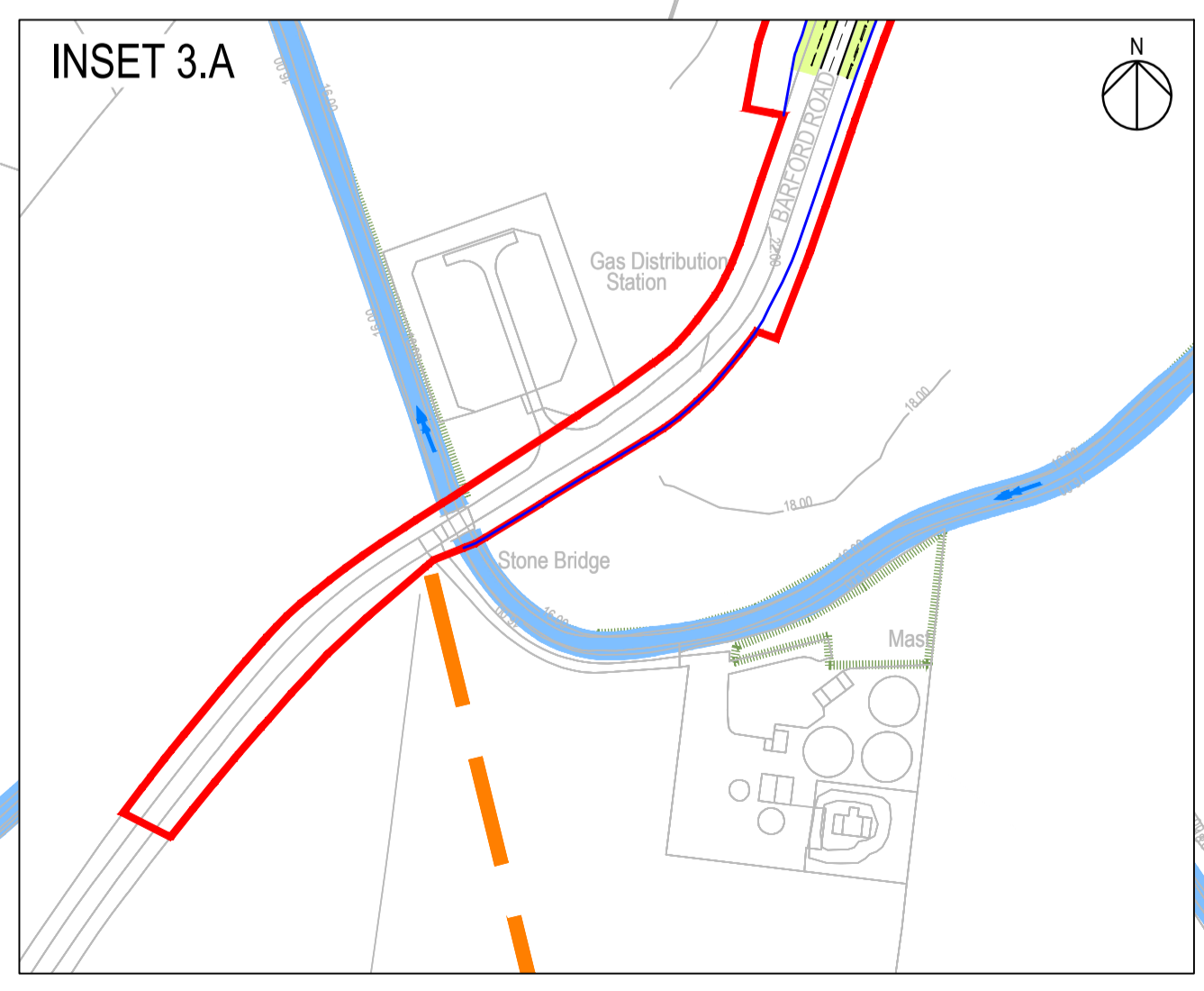


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SEE SHEET 1

SEE SHEET 4



SEE INSET 3.A

First Issue	JB	22/05/19	P01
Revision Details	TD	Date	Suffix
	By	Check	

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Client
Highways England
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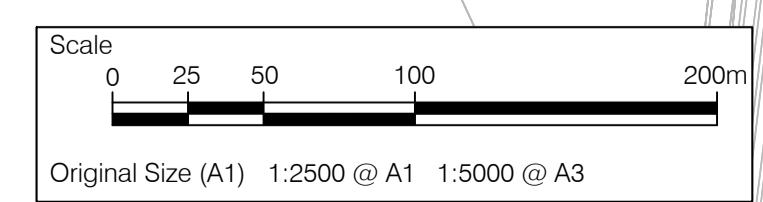


A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 3 OF 16**

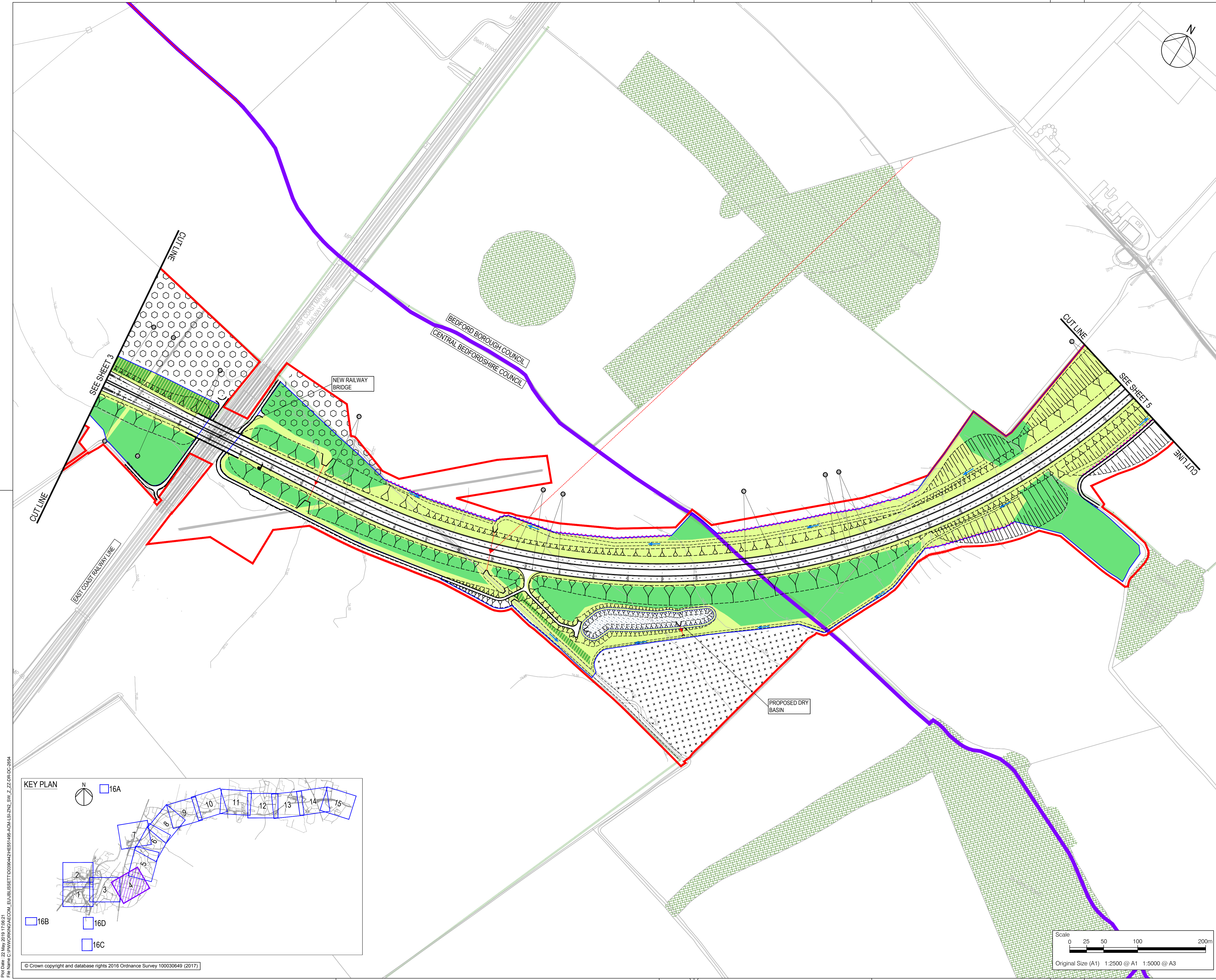
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Revision Details	By	Date	Suffix
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Purpose of issue			

FOR INFORMATION

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Highways England
Woodlands
Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS



Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 4 OF 16**

Designed	Drawn	Checked	Approved	Date
MS	JB	PS	TD	22/05/19

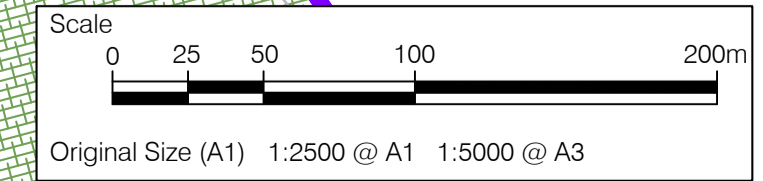
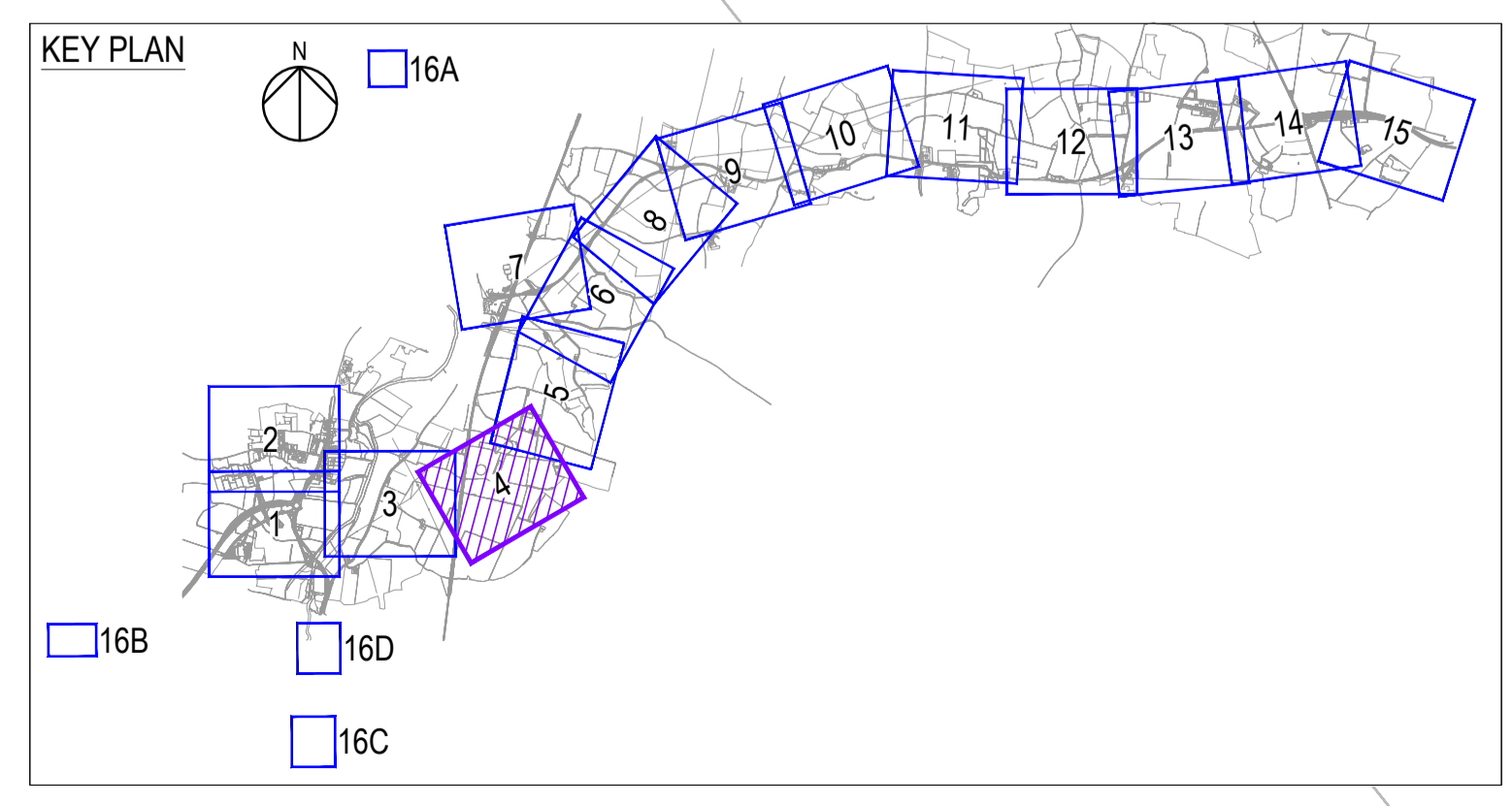
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60541541

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Suitability
S2

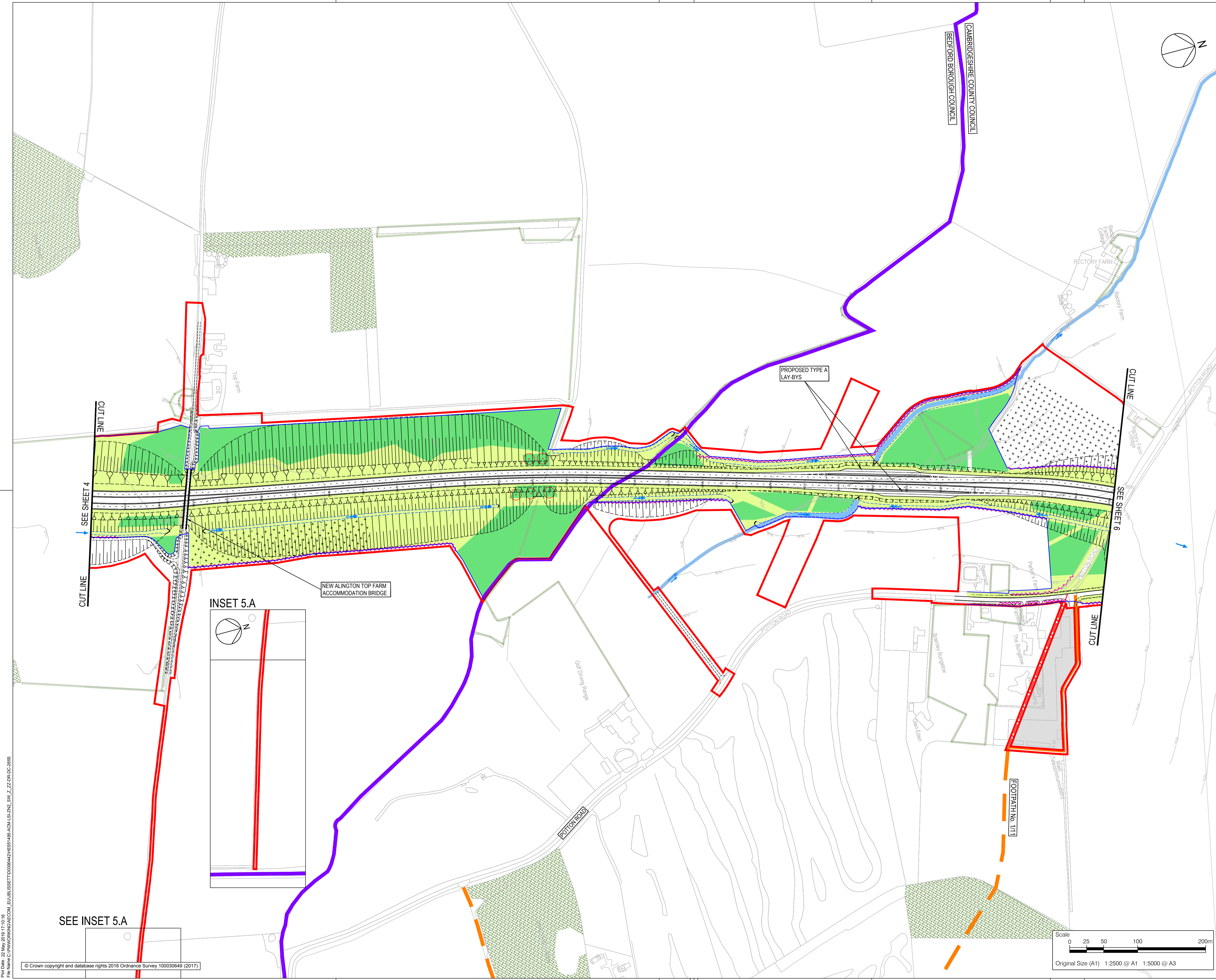
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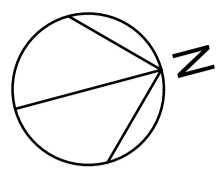
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 Bedford
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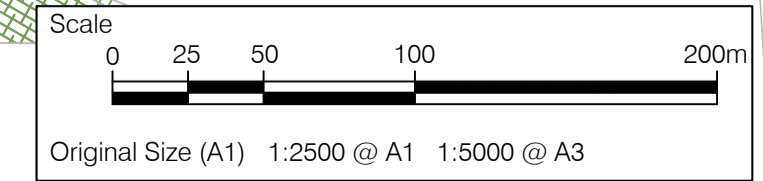


A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

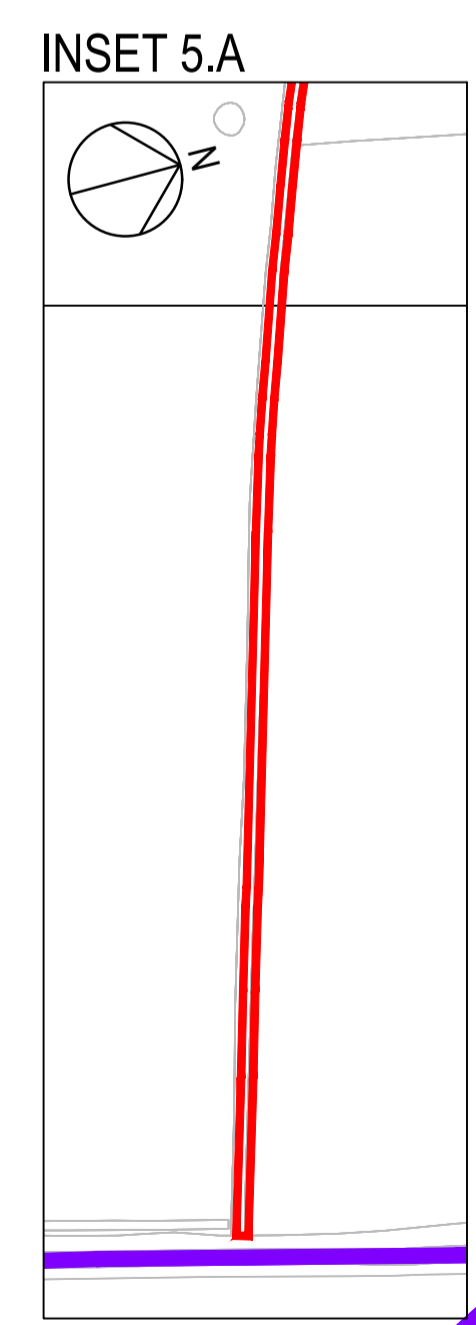
**GENERAL ARRANGEMENT PLANS
 REGULATION 5(2)(O)
 SHEET 5 OF 16**

Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541	Stability S2		Zone ZN2	

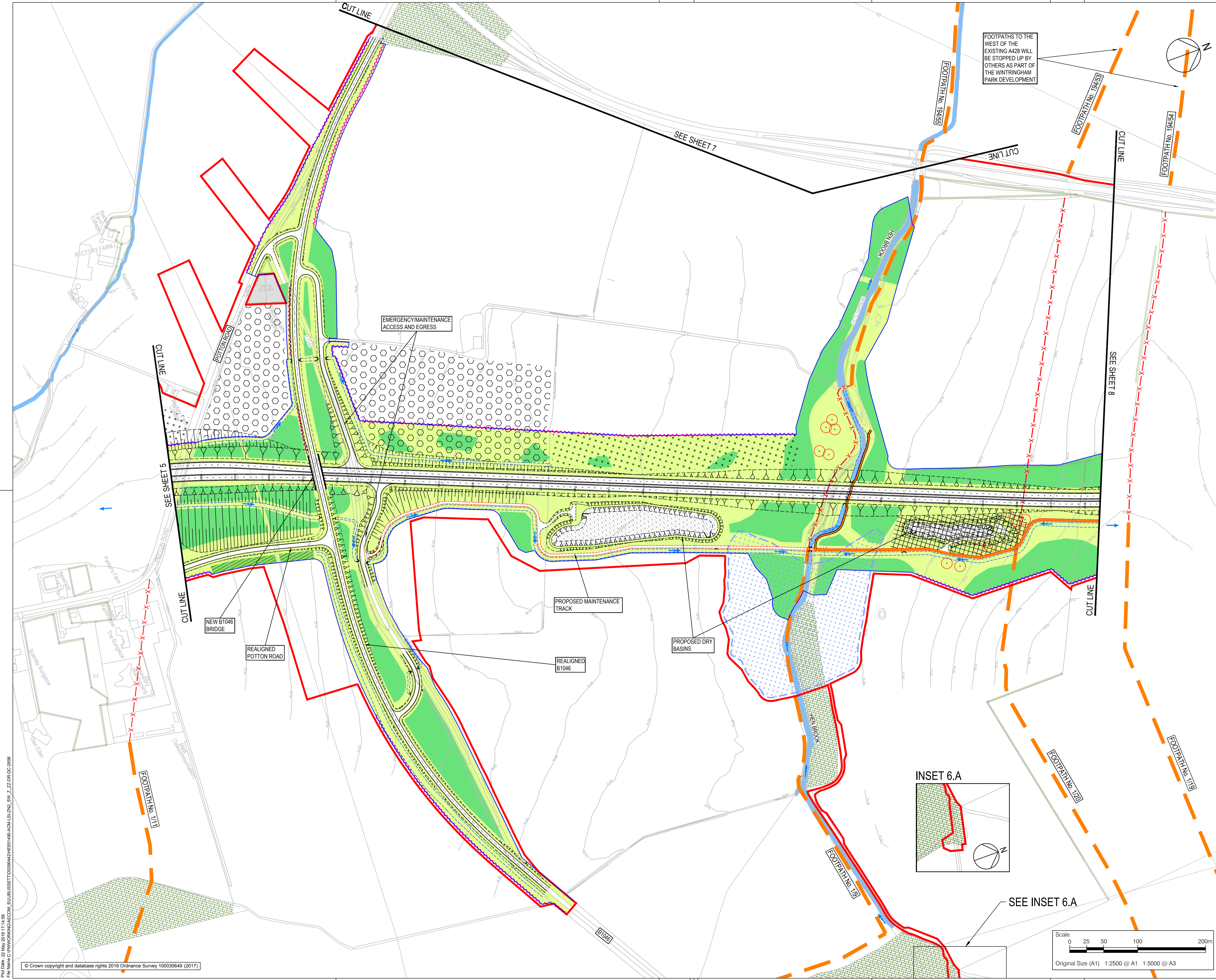
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First Issue	JB	22/05/19	P01
Revision Details	By	Date	Suffix
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Purpose of issue
FOR INFORMATION

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

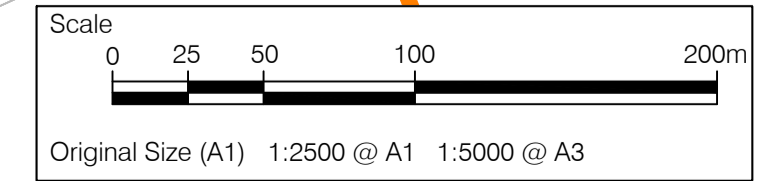
Working on behalf of
highways england

Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 6 OF 16**

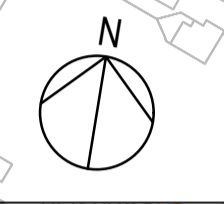
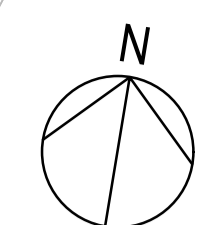
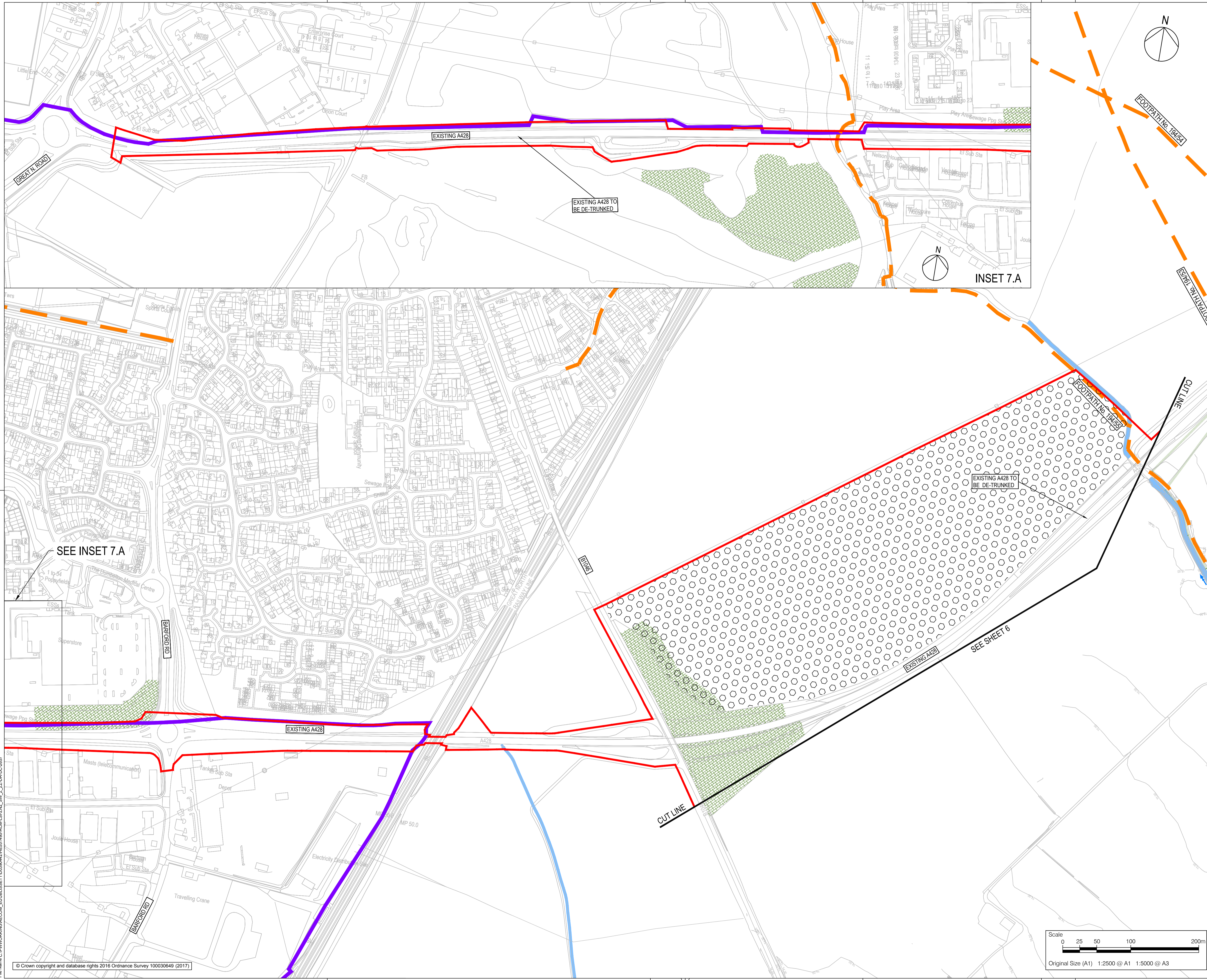
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MS	JB	PS	TD	22/05/19
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INSET 7.A

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SEE INSET 7.A

Revision Details		By	Date	Suffix

FOR INFORMATION

Client
 Highways England
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 Manton Lane
 Bedford
 MK41 2LW

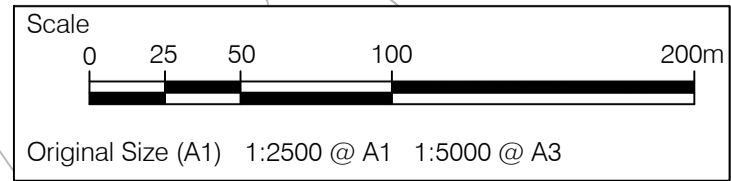


**A428 BLACK CAT TO
 CAXTON GIBBET
 IMPROVEMENTS**

**GENERAL ARRANGEMENT
 PLANS
 REGULATION 5(2)(O)
 SHEET 7 OF 16**

Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541		Subsidiary S2		Zone ZN2
Scale @ A1 1:2500				

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Drawing Number HE551495 -ACM	1 Originator -LSI	1 Volume -	Rev P01
Location ZN2_SW_Z_ZZ -DR-DC-2657			I Type I Role I Number

P:\051495 -ACM\151915 151915.DWG
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First Issue	JB	22/05/19	PO1
Revision Details	TD	Date	Suffix
	Check		

FOR INFORMATION

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

Project Title

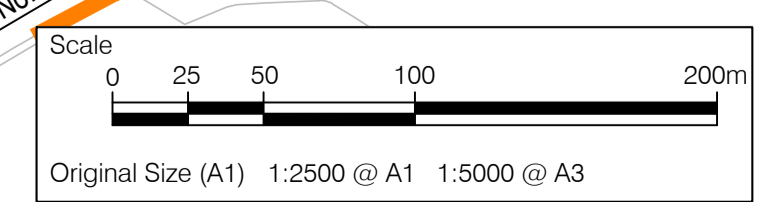


A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

**GENERAL ARRANGEMENT PLANS
 REGULATION 5(2)(O)
 SHEET 8 OF 16**

Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541	Suitability S2	Zone ZN3		

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Drawing Number HE551495 -ACM -LSI -	1 Originator	1 Volume	Rev P01
Location ZN3_SW_Z_ZZ -DR-DC-2658	I Type	I Role	I Number

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First Issue	JB	22/05/19	P01
Revision Details	TD	Date	Suffix
	Check		

Purpose of issue
FOR INFORMATION

Client
Highways England
Woodlands
Manton Lane
Bedford
MK41 7LW

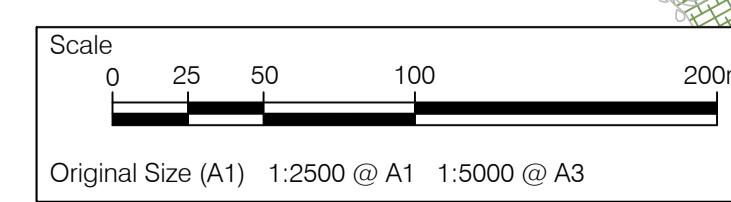


Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 9 OF 16**

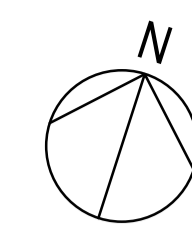
Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541			Suitability S2	
Scale @ A1 1:2500			Zone ZN3	

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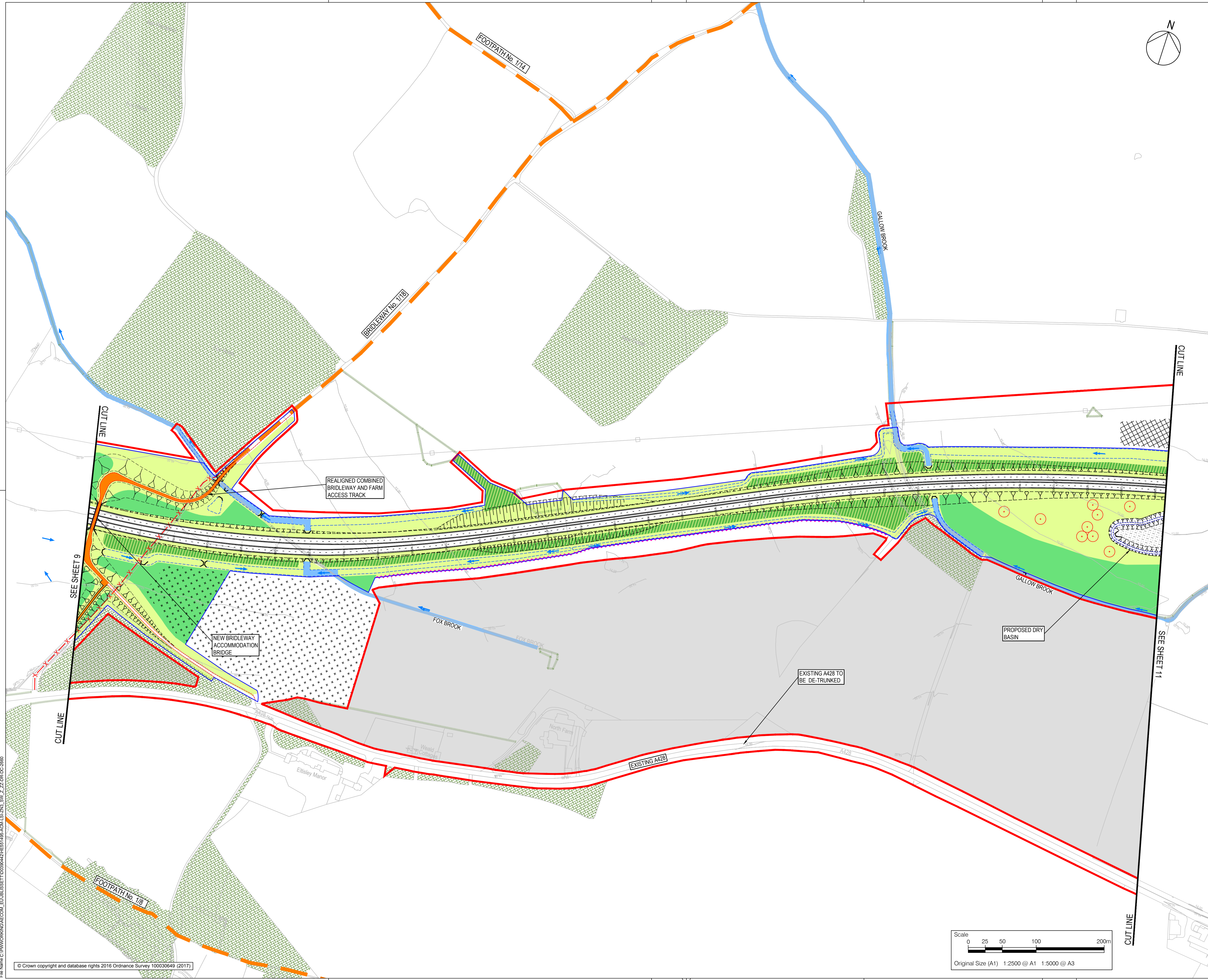


Drawing Number HE551495	Highways England PIN -ACM	1 Originator -LSI	1 Volume -	Rev P01
Location ZN3_SW_Z_ZZ -DR-DC-2659				
I Type I Role I Number				

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Revision Details			
By	Check	Date	Suffix
JB	TD	22/05/19	P01

Purpose of issue
FOR INFORMATION

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



Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLAN
REGULATION 5(2)(O)
SHEET 10 OF 16**

Designed	Drawn	Checked	Approved	Date
MS	JB	PS	TD	22/05/19

Internal Project No.
60541541

Suitability
S2

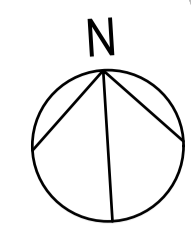
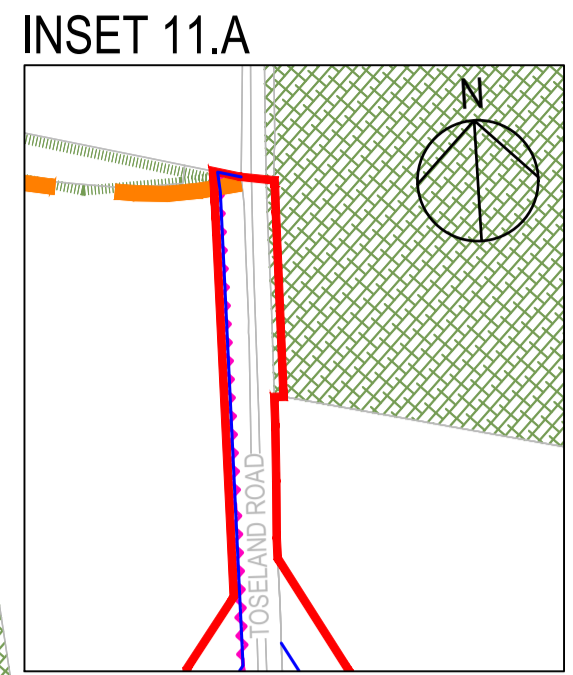
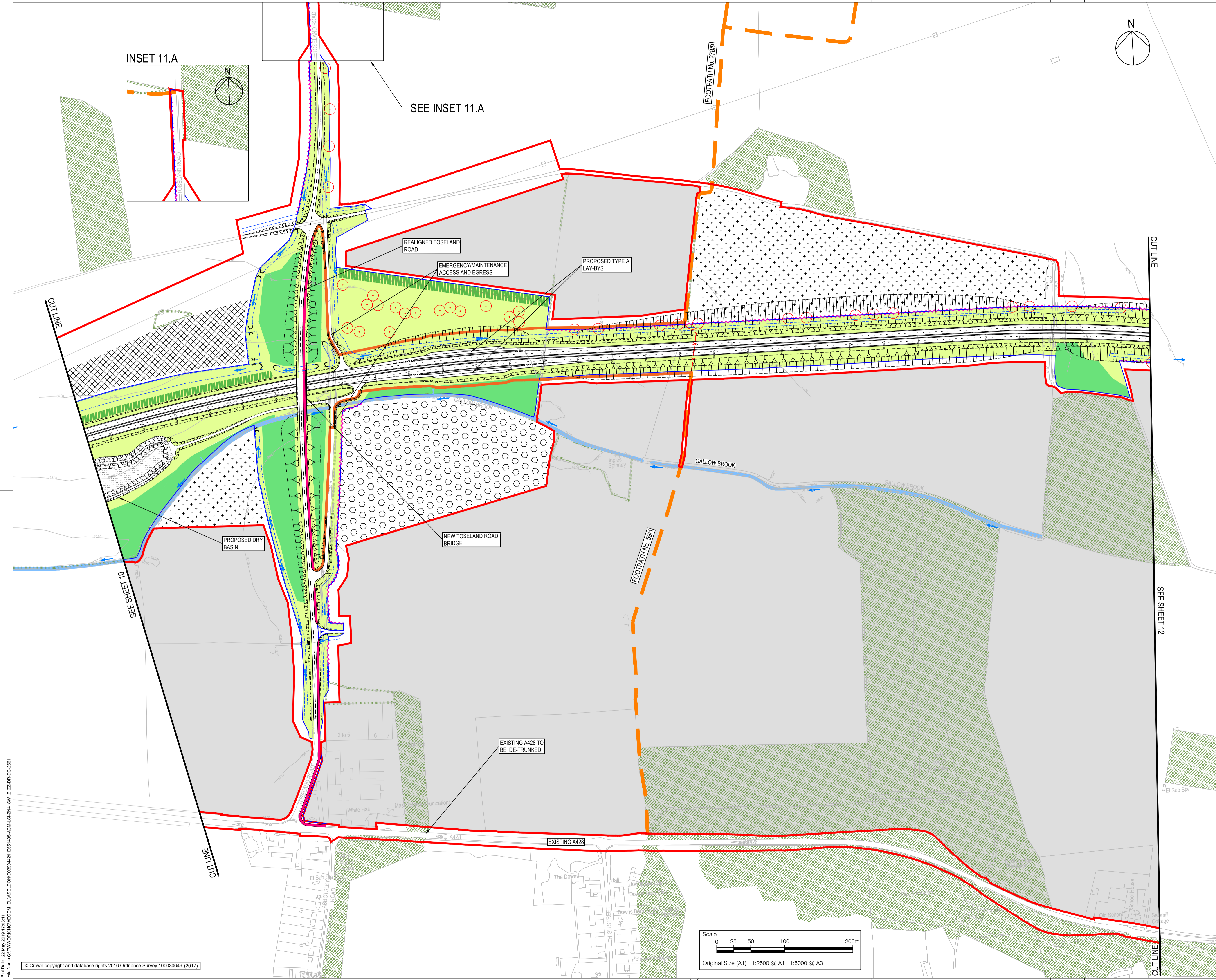
Scale @ A1
1:2500

Zone
ZN3

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Drawing Number	Highways England PIN	1 Originator	1 Volume	Rev
HE551495	-ACM	-LSI	-	P01
ZN3_SW_Z_ZZ	-DR	-DC	-2660	

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 Plot Date: 22 May 2019 15:26:37



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Revision Details	By	Check	Date	Suffix
First Issue	JB	TD	22/05/19	P01

FOR INFORMATION

Client
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 Manton Lane
 Manton Industrial Estate
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A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
 REGULATION 5(2)(O)
 SHEET 11 OF 16**

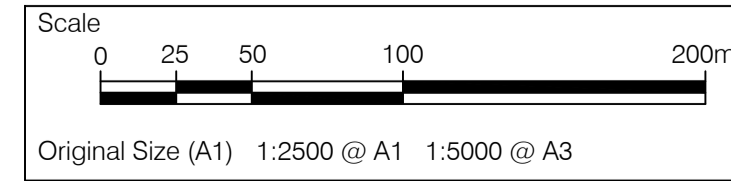
Designed	Drawn	Checked	Approved	Date
MS	JB	PS	TD	22/05/19

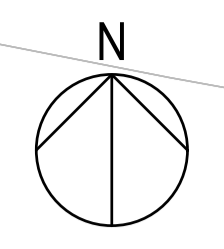
Internal Project No. 60541541
 Scale @ A1 1:2500
 Substation S2
 Zone ZN4

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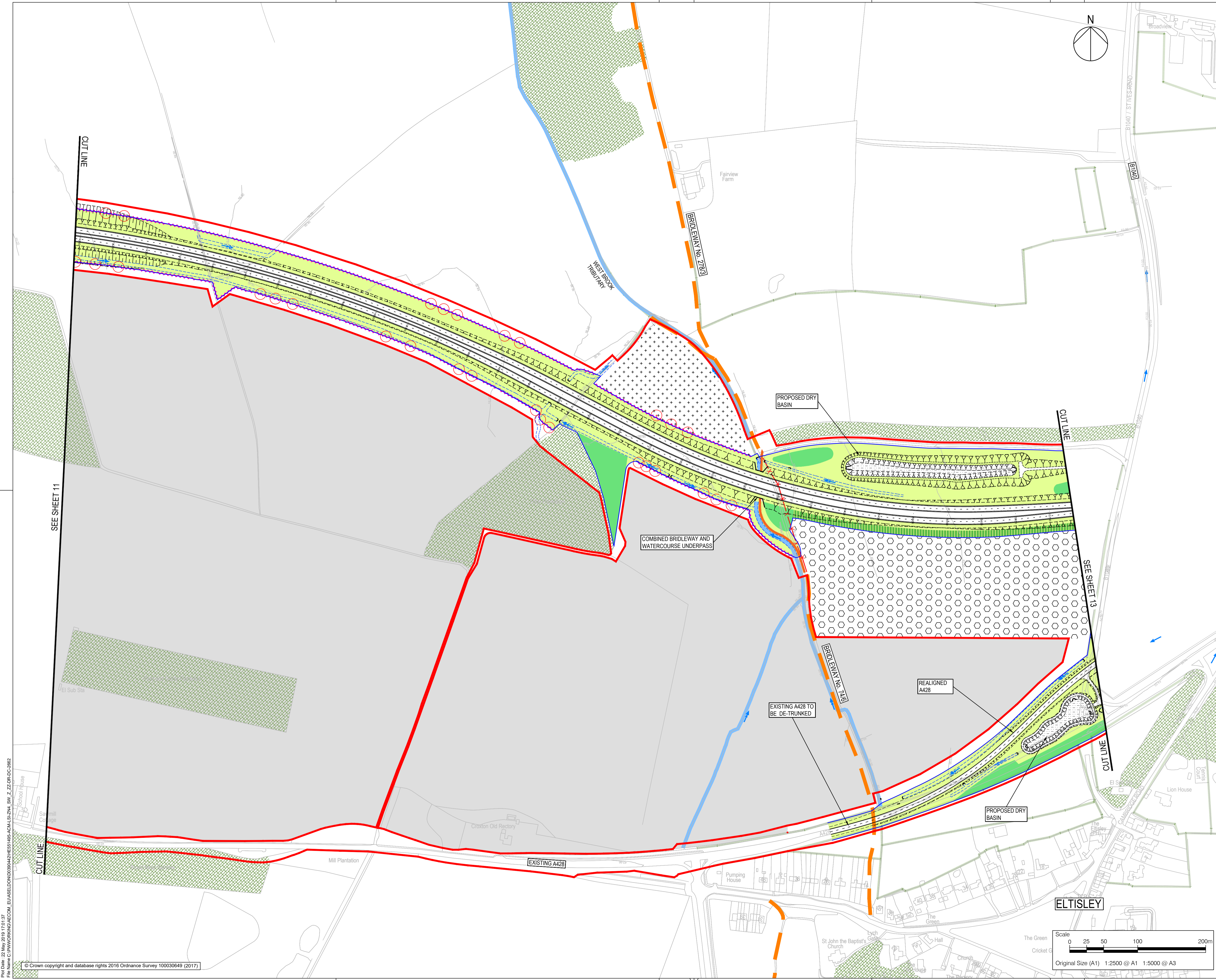
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P01 Date: 22 May 2019 11:05:11
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Revision Details	By	Check	Date	Suffix
First Issue	JB	TD	22/05/19	P01

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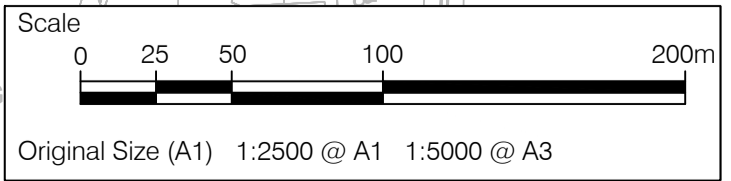
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 Bedford
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A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

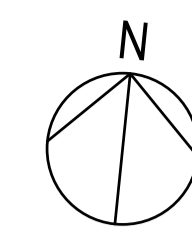
**GENERAL ARRANGEMENT PLANS
 REGULATION 5(2)(O)
 SHEET 12 OF 16**

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Internal Project No. 60541541	Subsidiary S2	Scale @ A1 1:2500		
Zone ZN4		THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.		

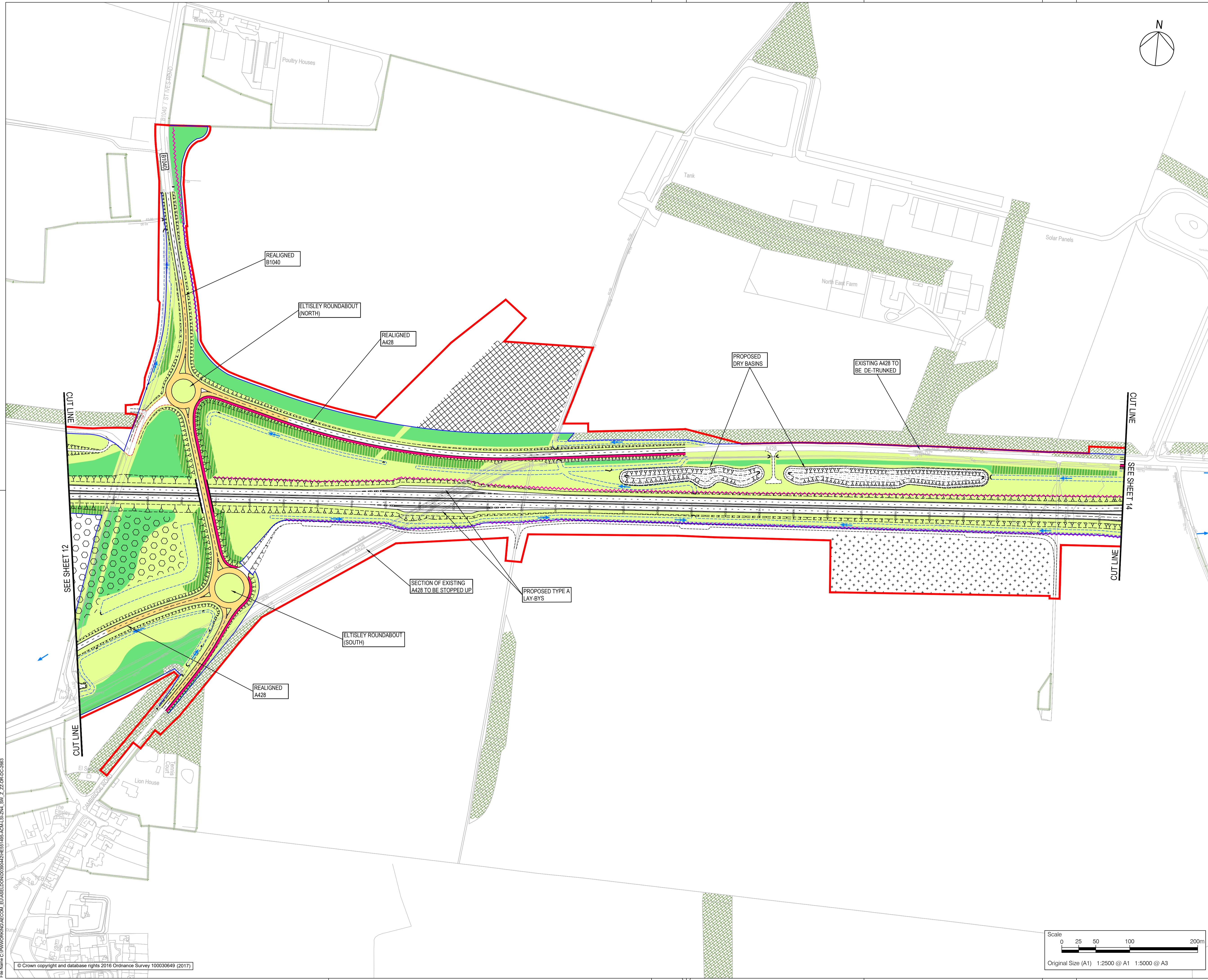


Drawing Number HE551495	Originator -ACM-	Volume -LSI-	Rev P01
Location ZN4_SW_Z_ZZ			Role -DR-DC-2662

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Revision Details			
By	Check	Date	Suffix
JB	TD	22/05/19	P01

Purpose of issue
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Client
Highways England
Woodlands
Manton Lane
Bedford
MK41 7LW

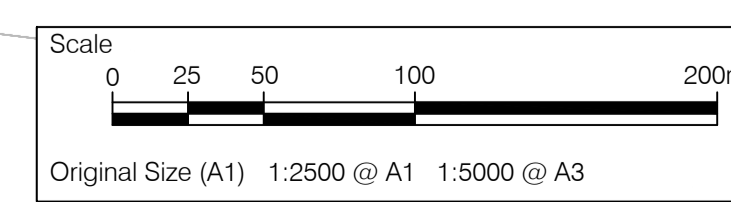


Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 13 OF 16**

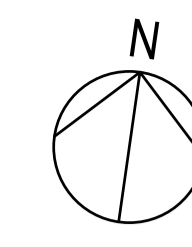
Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541			Suitability S2	
Scale @ A1 1:2500			Zone ZN4	

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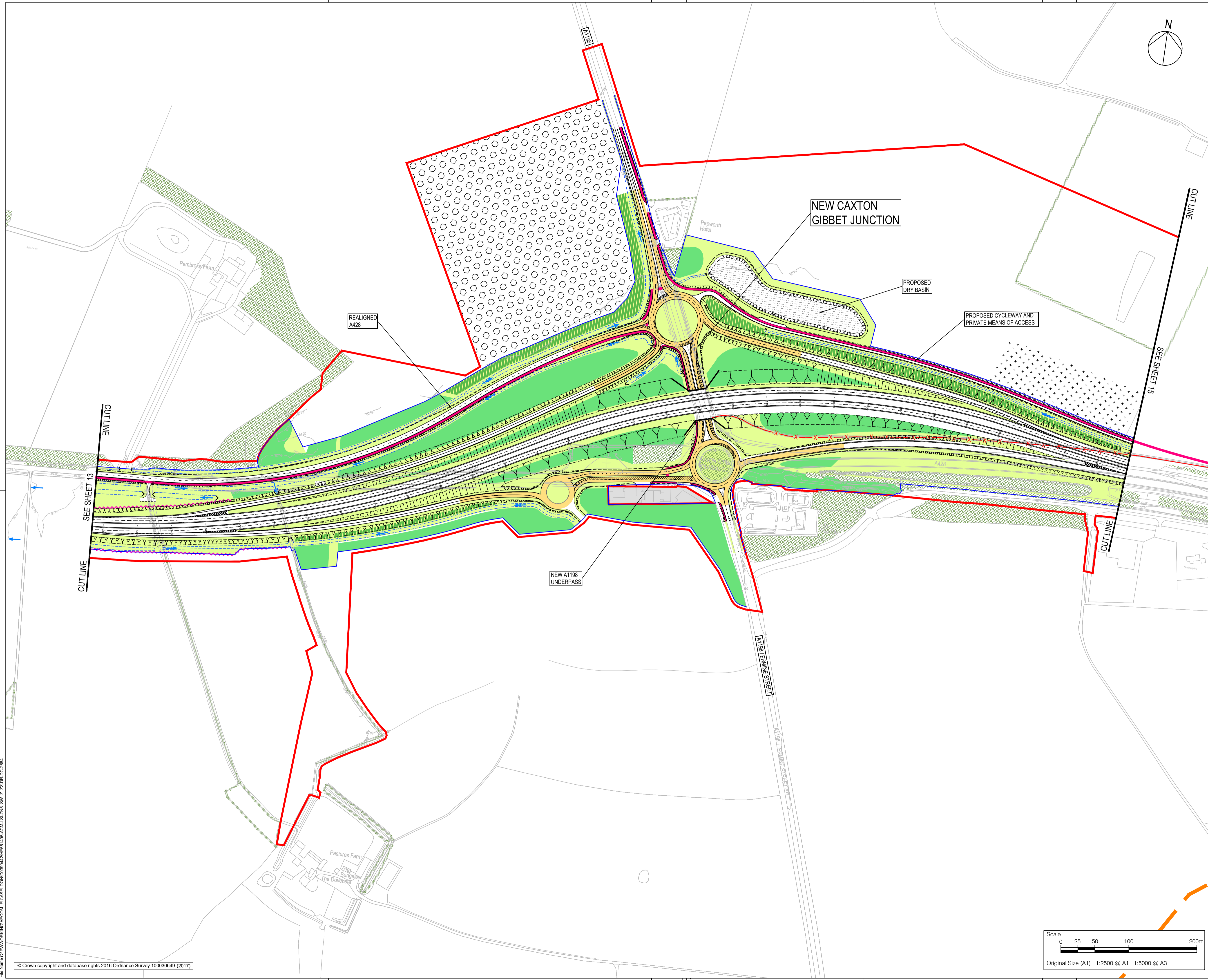


Drawing Number HE551495 -ACM -LSI -	1 Originator	1 Volume	Rev P01
Location ZN4_SW_Z_ZZ -DR -DC-2663	I Type	I Role	I Number

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 Plot Date: 22 May 2019 11:05:11
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Revision Details	By	Check	Date	Suffix
First Issue	JB	TD	22/05/19	P01

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Client
Highways England
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Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW



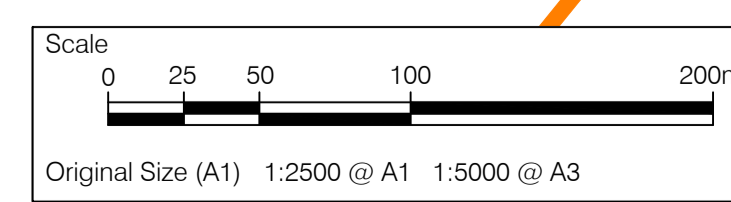
Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 14 OF 16**

Designed	Drawn	Checked	Approved	Date
MS	JB	PS	TD	22/05/19

Internal Project No. 60541541
Scale @ A1 1:2500
Subsidiary S2
Zone ZN5

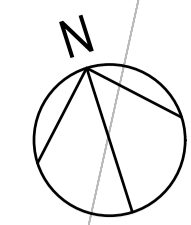
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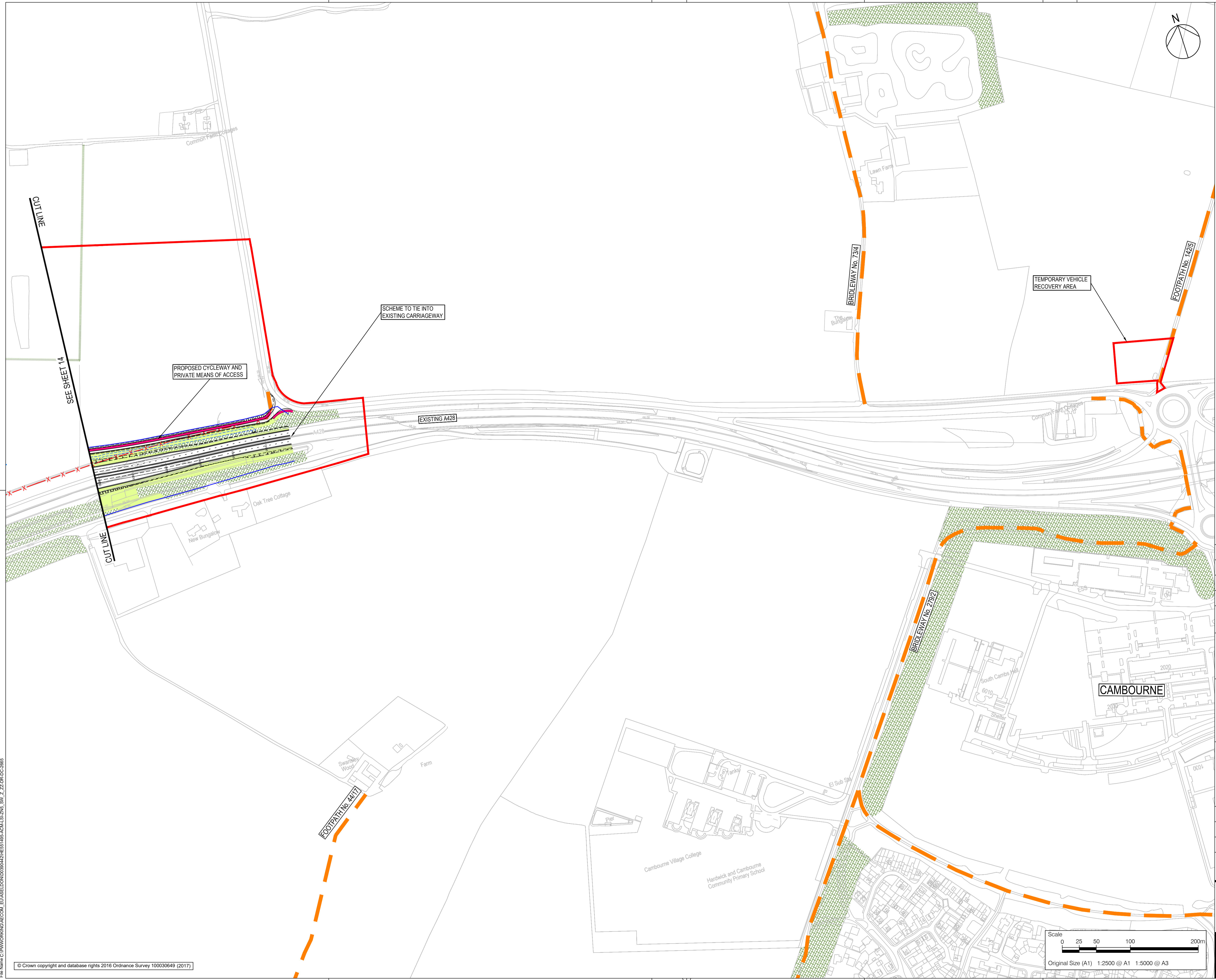
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HE551495 -ACM	-LSI	-	-	P01

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Proj Date: 22 May 2019 15:55:52
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Revision Details	By	Date	Suffix
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Client
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Manton Lane
Manton Industrial Estate
Bedford
MK41 7LW

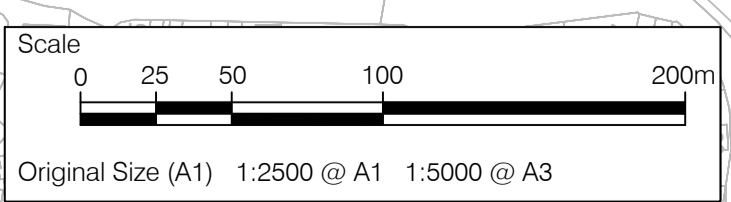


Project Title
A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

Drawing Title
**GENERAL ARRANGEMENT PLANS
REGULATION 5(2)(O)
SHEET 15 OF 16**

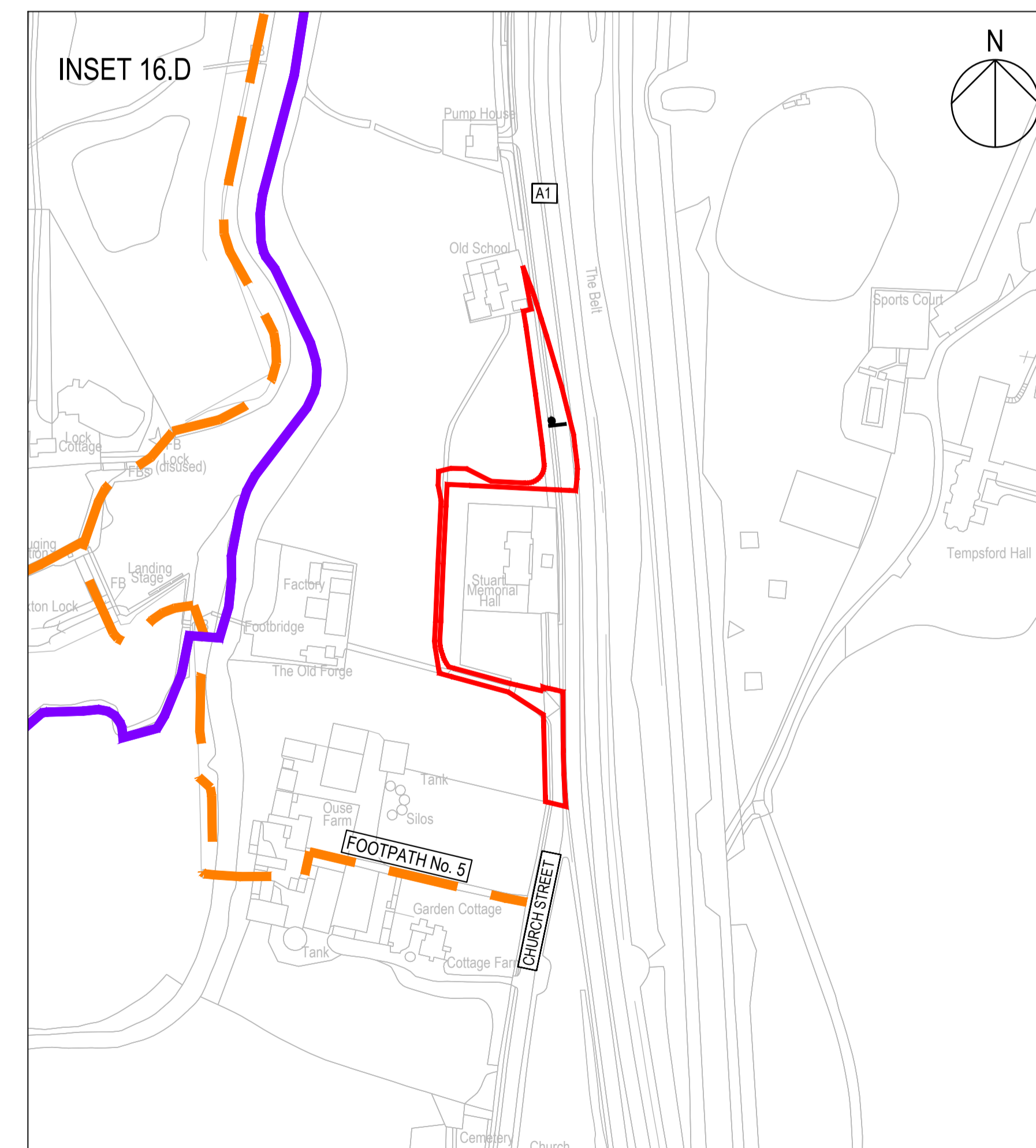
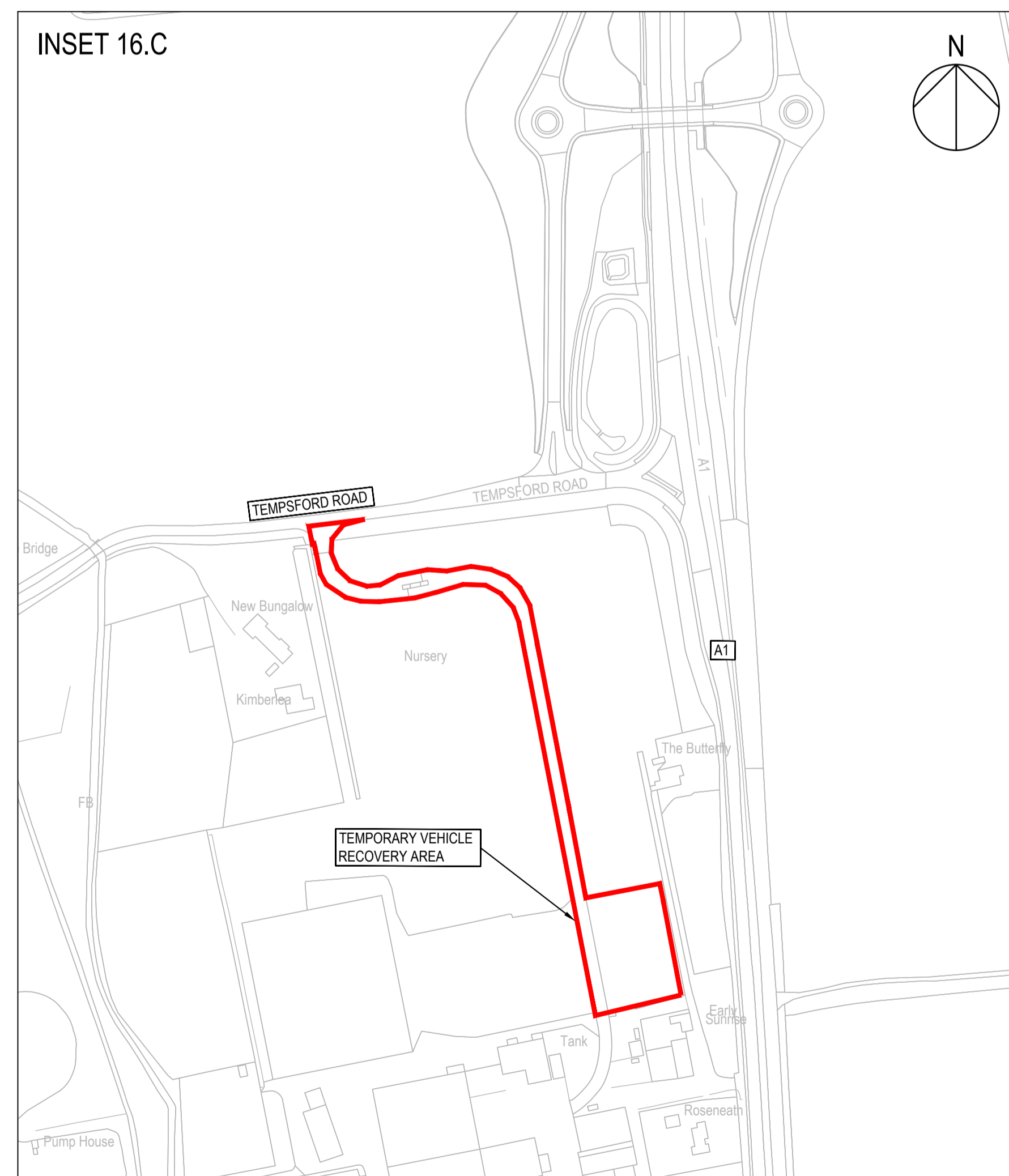
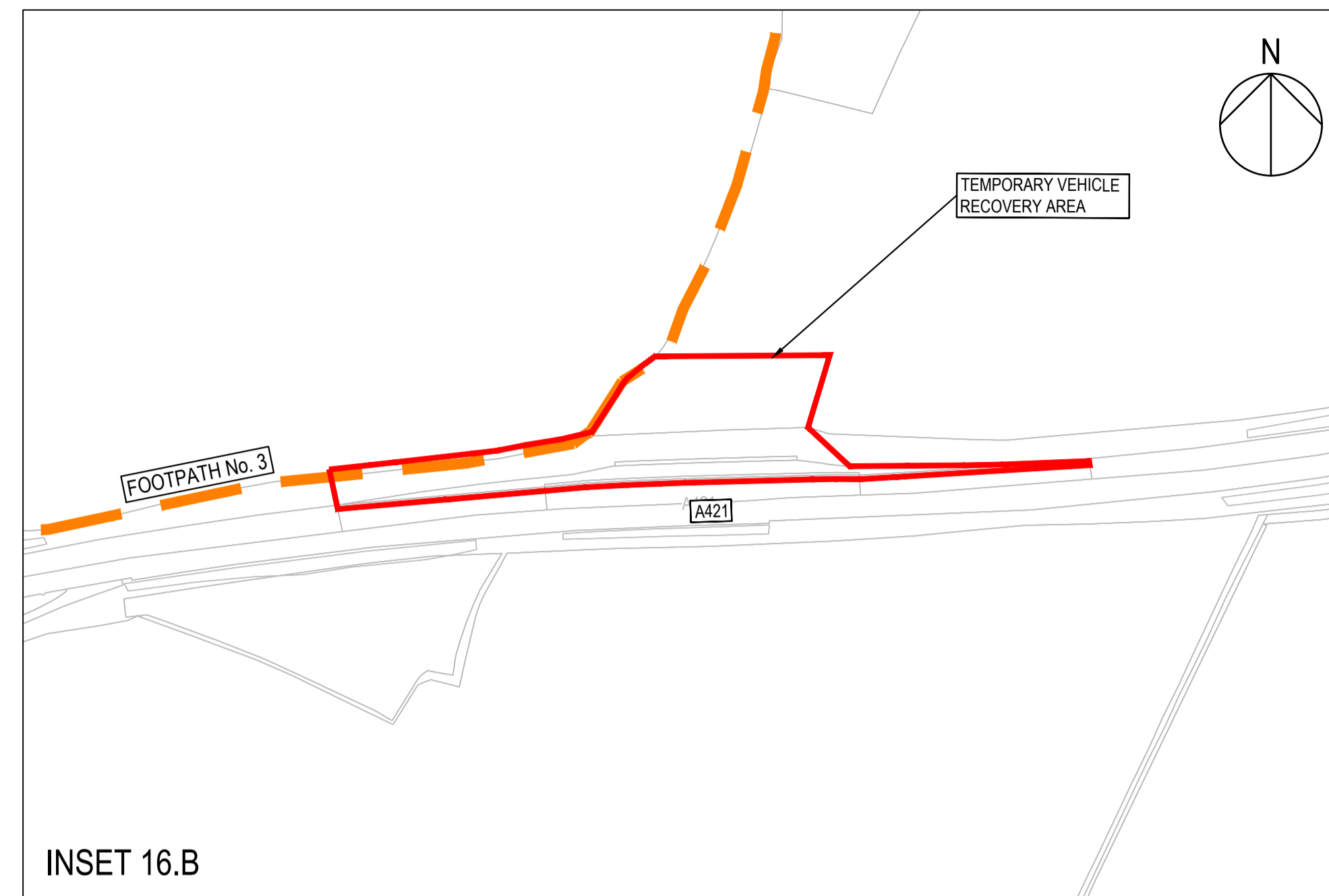
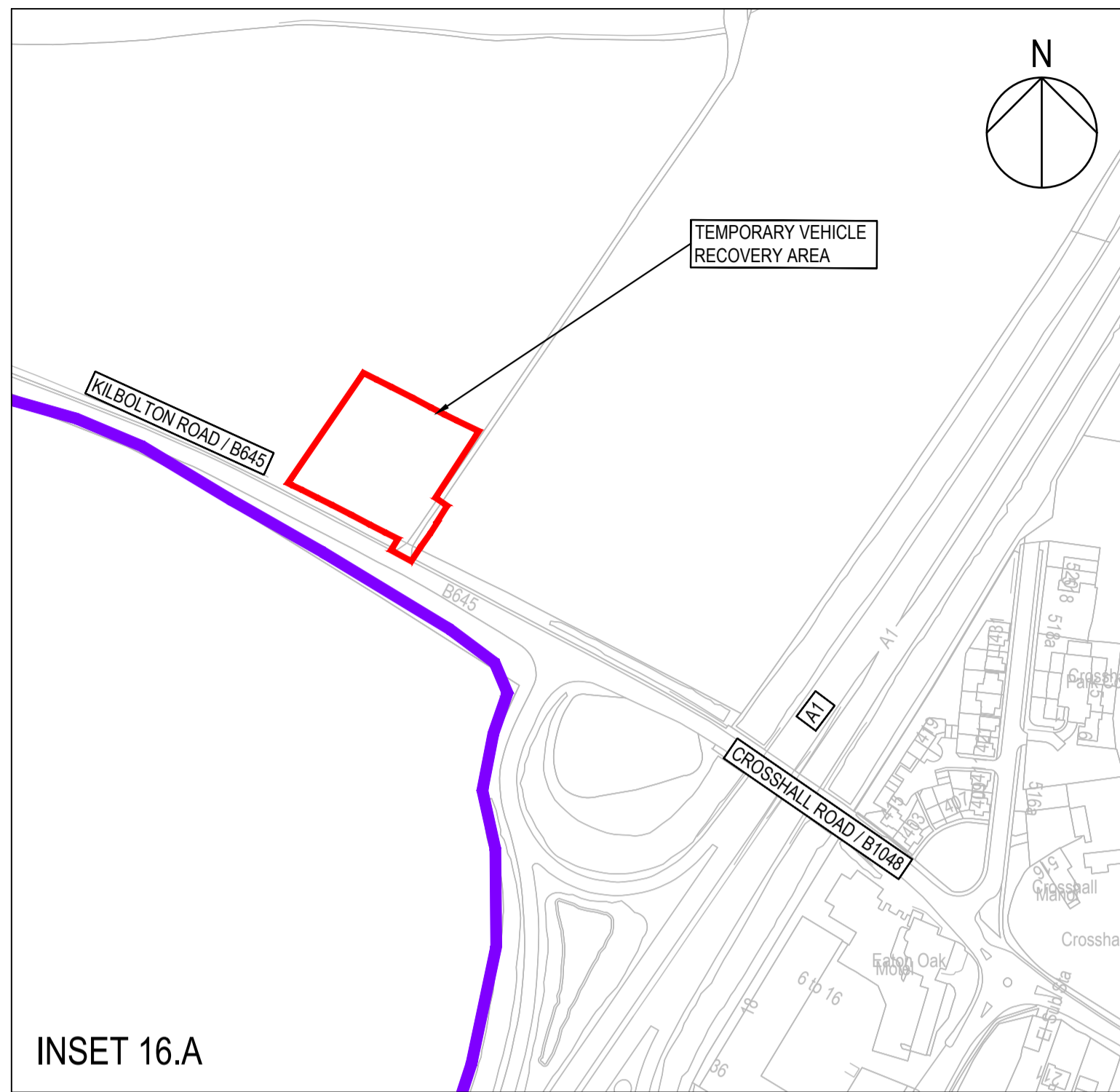
Designed MS	Drawn JB	Checked PS	Approved TD	Date 22/05/19
Internal Project No. 60541541			Suitability S2	
Scale @ A1 1:2500		Zone ZN5		

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Drawing Number HE551495	Highways England PIN -ACM	1 Originator -LSI	1 Volume -	Rev P01
Location ZN5_SW_Z_ZZ -DR -DC-2665				1 Type 1 Role 1 Number

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Revision Details			
By	Check	Date	Suffix
JB	TD	22/05/19	P01

FOR INFORMATION

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



A428 BLACK CAT TO CAXTON GIBBET IMPROVEMENTS

**GENERAL ARRANGEMENT PLANS
 REGULATION 5(2)(O)
 SHEET 16 OF 16**

Designed	Drawn	Checked	Approved	Date
MS	JB	PS	TD	22/05/19

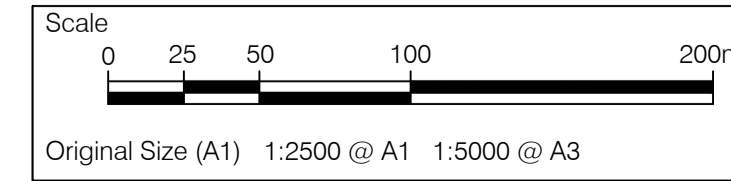
Internal Project No.
 60541541

Suitability
 S2

Scale @ A1
 1:2500

Zone
 ZN5

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Drawing Number	Highways England PIN	1 Originator	1 Volume	Rev
HE551495	-ACM	-LSI	-	P01

Location
 ZN5_SW_Z_ZZ -DR-DC-2666

P01 Date: 22 May 2019 15:51:15
 File Name: C:\PROJECTS\HE551495\ACM\LSI\ZN5_SW_Z_ZZ\DR-DC-2666

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