

# A47 Blofield to North Burlingham Dualling

**Scheme Number: TR010040**

## **Volume 6 6.8 Masterplan**

APFP Regulation 5(2)(o)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009

October 2021

Deadline 5

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009**

**A47 Blofield to North Burlingham  
Development Consent Order 202[x]**

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**MASTERPLAN**

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<b>Regulation Number:</b>	Regulation 5(2)(o)
<b>Planning Inspectorate Scheme Reference</b>	TR010040
<b>Application Document Reference</b>	6.8
<b>Author:</b>	A47 Blofield to North Burlingham Dualling Project Team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
Rev 0	December 2020	Application Issue
Rev 1	July 2021	Deadline 1
Rev 2	September 2021	Deadline 4
Rev 3	October 2021	Deadline 5

## SCHEDULE OF FIGURES INCLUDED IN THIS APPLICATION DOCUMENT

Figure Title	Drawing number
Masterplan – Key Plan	HE551490-GTY-ELS-000-DR-LX-30070
Masterplan – Sheet 1 of 7	HE551490-GTY-ELS-000-DR-LX-30001
Masterplan – Sheet 2 of 7	HE551490-GTY-ELS-000-DR-LX-30002
Masterplan – Sheet 3 of 7	HE551490-GTY-ELS-000-DR-LX-30003
Masterplan – Sheet 4 of 7	HE551490-GTY-ELS-000-DR-LX-30004
Masterplan – Sheet 5 of 7	HE551490-GTY-ELS-000-DR-LX-30005
Masterplan – Sheet 6 of 7	HE551490-GTY-ELS-000-DR-LX-30006
Masterplan – Sheet 7 of 7	HE551490-GTY-ELS-000-DR-LX-30007
Masterplan – Schedule of plants – Indicative List	HE551490-GTY-ELS-000-DR-LX-30101

## SCHEDULE OF CHANGES

### DEADLINE 1, REV 1

- Planting adjacent to The White House (Sheet 6)
- New Private Means of Access, off existing B1140.
- Fenceline and landscaping adjacent to the Agricultural Access Track updated to reflect agreement with Norfolk County Farms. (Fenceline change omitted in error, updated at Deadline 4)

### DEADLINE 4, REV 2

- Fenceline at Blofield Allotments updated to reflect preference of the Allotment Association (Sheet 1).
- Fenceline adjacent to the Agricultural Access Track relocated to reflect the agreement made with Norfolk County Farms.
- Landscaping updated to reflect additional loss of woodland and proposed replacement planting due to the change associated with Cadent Block Valve.
- Plant Schedule mixes updated.

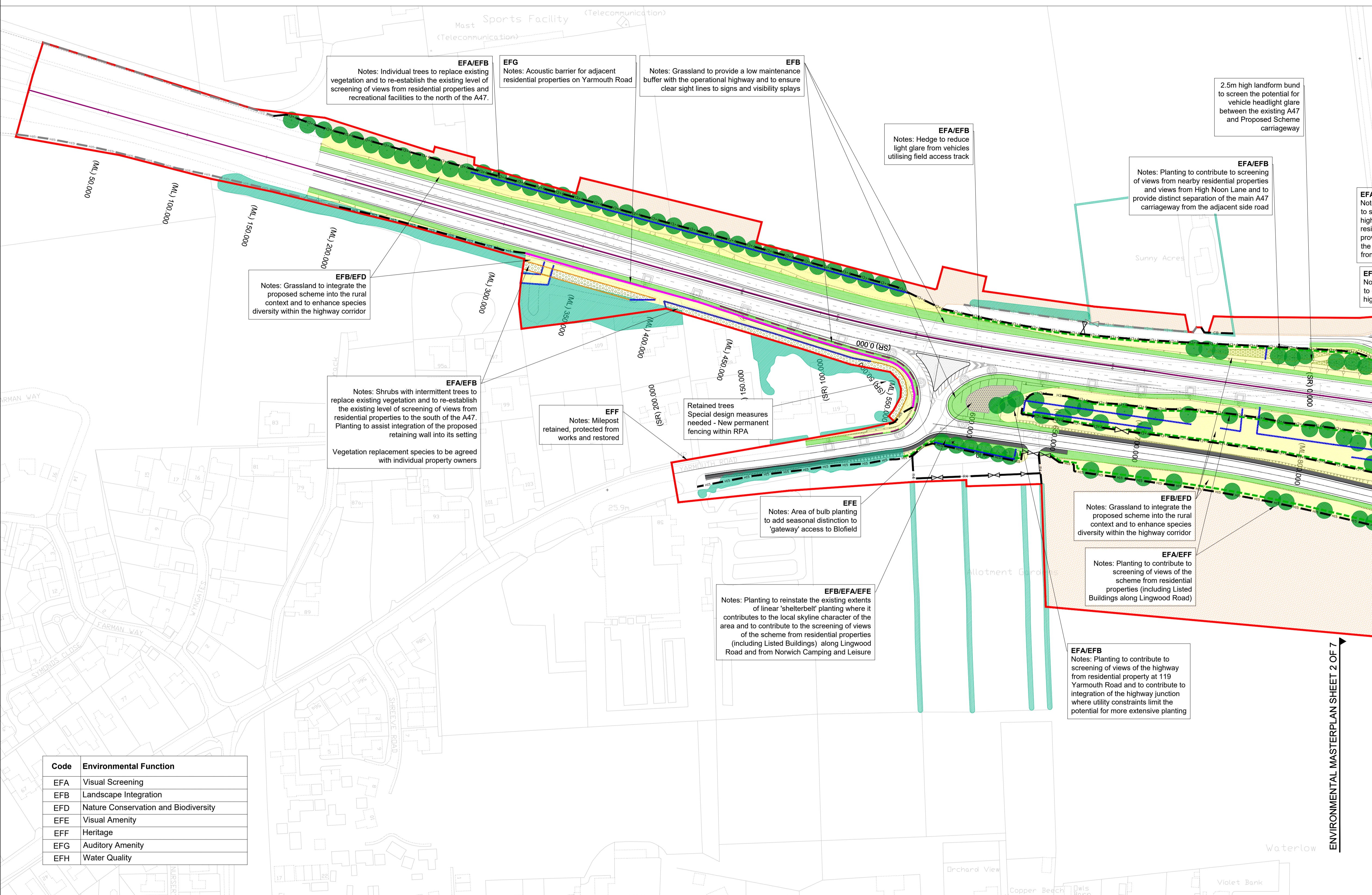
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## DEADLINE 5, REV 3

- Correction to sheet 4 to remove the proposed loss of woodland adjacent to the proposed Cadent Block Valve.

**NOTES**

- THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
- DO NOT SCALE FROM THIS DRAWING
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:  
HE551490-GTY-ELS-000-DR-LX-30002 SHEET 2 OF 7  
HE551490-GTY-ELS-000-DR-LX-30003 SHEET 3 OF 7  
HE551490-GTY-ELS-000-DR-LX-30004 SHEET 4 OF 7  
HE551490-GTY-ELS-000-DR-LX-30005 SHEET 5 OF 7  
HE551490-GTY-ELS-000-DR-LX-30006 SHEET 6 OF 7  
HE551490-GTY-ELS-000-DR-LX-30007 SHEET 7 OF 7
- FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.
- FOR ARBORICULTURAL IMPACT ASSESSMENT PLAN REFER TO DRAWING 1050831-SWEBLO-AIAP.
- AREAS OF EXISTING VEGETATION TO BE RETAINED SHOWN ON DRAWING TAKEN FROM ADAS ARBORICULTURAL PLAN 1050831-SWEBLO-AIAP.



- KEY TO SYMBOLS**
- EFA/EFB Notes: to screen highway resident provide the main from th
  - EFB Notes: to guide highw

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	Final drawing	MHus	MMur	BMCL
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	RMea	RMea	MMur

DESIGNER  
**SWECO**

CONTRACTOR  
**GallifordTry**

CLIENT  
**highways england**

PROJECT TITLE  
**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

PROJECT STAGE  
**PCF STAGE 3**

DRAWING TITLE  
**MASTERPLAN SHEET 1 OF 7 TR010040/APP/6.8**

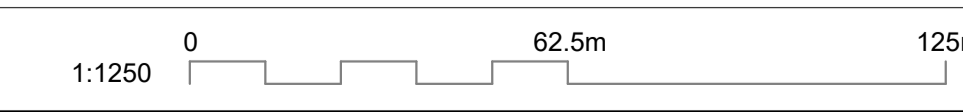
SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

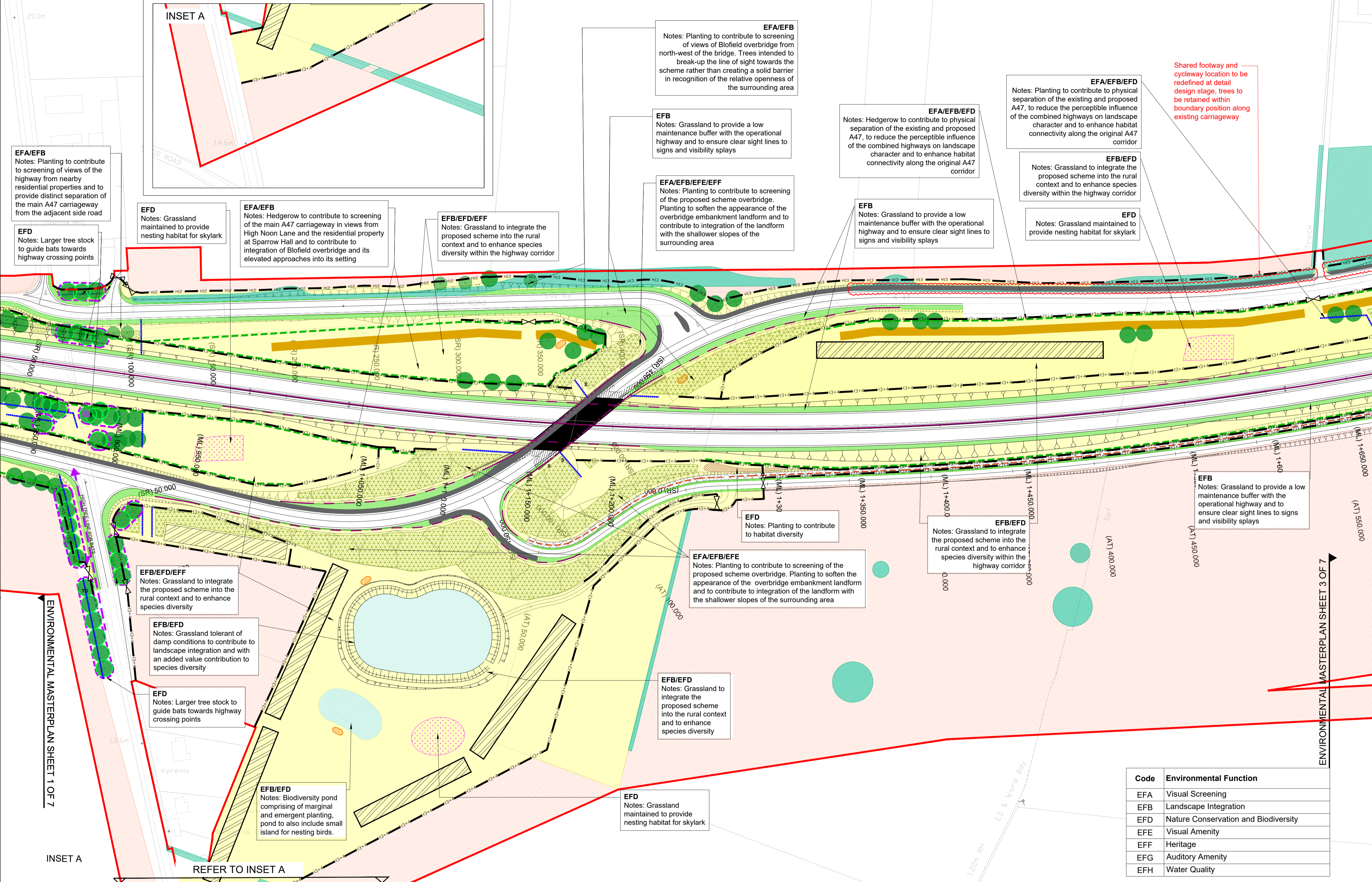
DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30001**

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
efd	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality

<ul style="list-style-type: none"> <li>Red line boundary</li> <li>EXISTING VEGETATION</li> <li>Existing vegetation to be retained</li> <li>PROPOSED ENVIRONMENTAL ELEMENTS</li> <li>E1.2 Noise barrier-built elements</li> <li>E2.1 Water pollution control measures - attenuation/infiltration ponds</li> <li>E2.3 Soakaways</li> <li>E3.2.1 Ecological protection measures - skylark plot</li> <li>E3.2.2 Ecological protection measures - bat flight path</li> <li>E3.2.3 Ecological protection measures - bat hop</li> </ul>	<ul style="list-style-type: none"> <li>E3.2.4 Habitat Piles</li> <li>E3.2.5 Bat Boxes</li> <li>E3.2.6 Kestrel Box (location to be confirmed)</li> <li>E3.2.7 Turtledove Box (location to be confirmed)</li> <li>E3.2.8 Swift Box (location to be confirmed)</li> <li>E3.2.9 Tawny Owl Box (location to be confirmed)</li> <li>PROPOSED LANDSCAPE ELEMENTS</li> <li>LE1.1 Amenity grass areas</li> <li>LE1.2 Grassland with bulbs</li> <li>LE1.3 Species rich grassland</li> </ul>	<ul style="list-style-type: none"> <li>LE1.6 Open grassland</li> <li>LE2.1 Woodland</li> <li>LE2.5 Shrubs with intermittent trees</li> <li>LE2.8 Scrub</li> <li>LE4.3 Native species hedgerows</li> <li>LE4.4 Native hedgerows with trees</li> <li>LE5.1.1 Individual trees - Large &amp; medium species</li> <li>LE5.1.2 Individual trees - Small species</li> <li>LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens</li> </ul>	<ul style="list-style-type: none"> <li>LE6.2 Banks and ditches</li> <li>LE6.4 Marsh and wet grassland</li> <li>PROPOSED ELEMENTS - OTHER</li> <li>Agricultural land (restored)</li> <li>Lighting column location (refer Lighting drawing series for further information)</li> <li>Fencing (refer Fencing drawing series for further information)</li> <li>VRS Vehicle Restraint Systems</li> <li>Root barrier (subject to confirmed location of utilities and easement protection requirements)</li> <li>Planting areas where replacement plant species to be agreed with property owners</li> <li>Important hedgerow translocated hedge</li> </ul>	<ul style="list-style-type: none"> <li>New footpath</li> </ul>
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ENVIRONMENTAL MASTERPLAN SHEET 2 OF 7



- NOTES**
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**KEY TO SYMBOLS**

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	Final drawing	MHus	MMur	BMcL
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	RMea	RMea	MMur



PROJECT TITLE  
**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

PROJECT STAGE  
**PCF STAGE 3**

DRAWING TITLE  
**MASTERPLAN SHEET 2 OF 7 TR010040/APP/6.8**

SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30002**

**EXISTING VEGETATION**

- Red line boundary
- Existing vegetation to be retained

**PROPOSED ENVIRONMENTAL ELEMENTS**

- E1.2 Noise barrier-built elements
- E2.1 Water pollution control measures - attenuation/infiltration ponds
- E2.3 Soakaways
- E3.2.1 Ecological protection measures - skylark plot
- E3.2.2 Ecological protection measures - bat flight path
- E3.2.3 Ecological protection measures - bat hop

**PROPOSED LANDSCAPE ELEMENTS**

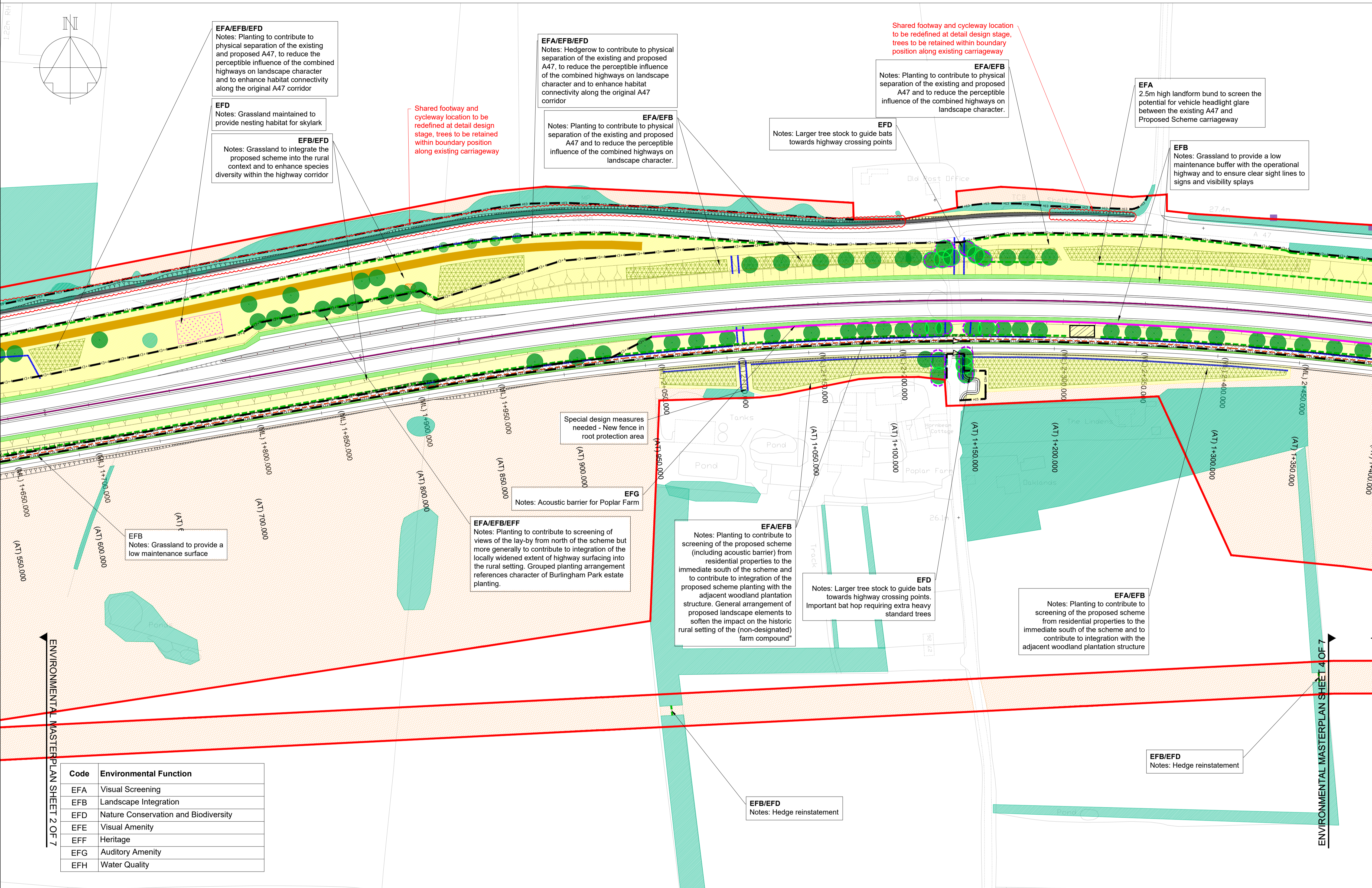
- LE1.1 Amenity grass areas
- LE1.2 Grassland with bulbs
- LE1.3 Species rich grassland

**PROPOSED ELEMENTS - OTHER**

- LE3.2.4 Habitat Piles
- LE3.2.5 Bat Boxes
- LE3.2.6 Kestrel Box (location to be confirmed)
- LE3.2.7 Turtledove Box (location to be confirmed)
- LE3.2.8 Swift Box (location to be confirmed)
- LE3.2.9 Tawny Owl Box (location to be confirmed)
- LE1.6 Open grassland
- LE2.1 Woodland
- LE2.5 Shrubs with intermittent trees
- LE2.8 Scrub
- LE4.3 Native species hedgerows
- LE4.4 Native hedgerows with trees
- LE5.1.1 Individual trees - Large & medium species
- LE5.1.2 Individual trees - Small species
- LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens
- LE6.2 Banks and ditches
- LE6.4 Marsh and wet grassland
- Agricultural land (restored)
- Lighting column location (refer Lighting drawing series for further information)
- Fencing (refer Fencing drawing series for further information)
- VRS Vehicle Restraint Systems
- Root barrier (subject to confirmed location of utilities and easement protection requirements)
- Planting areas where replacement plant species to be agreed with property owners
- Important hedgerow translocated hedge
- New footpath

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1:1250 0 62.5m 125m



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**KEY TO SYMBOLS**

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	FOR ISSUE	MHus	MMur	BMcl
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	RMea	RMea	MMur

DESIGNER  
**SWECO**

CONTRACTOR  
**GallifordTry**

CLIENT  
**highways england**

PROJECT TITLE  
**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

PROJECT STAGE  
**PCF STAGE 3**

DRAWING TITLE  
**MASTERPLAN SHEET 3 OF 7 TR010040/APP/6.8**

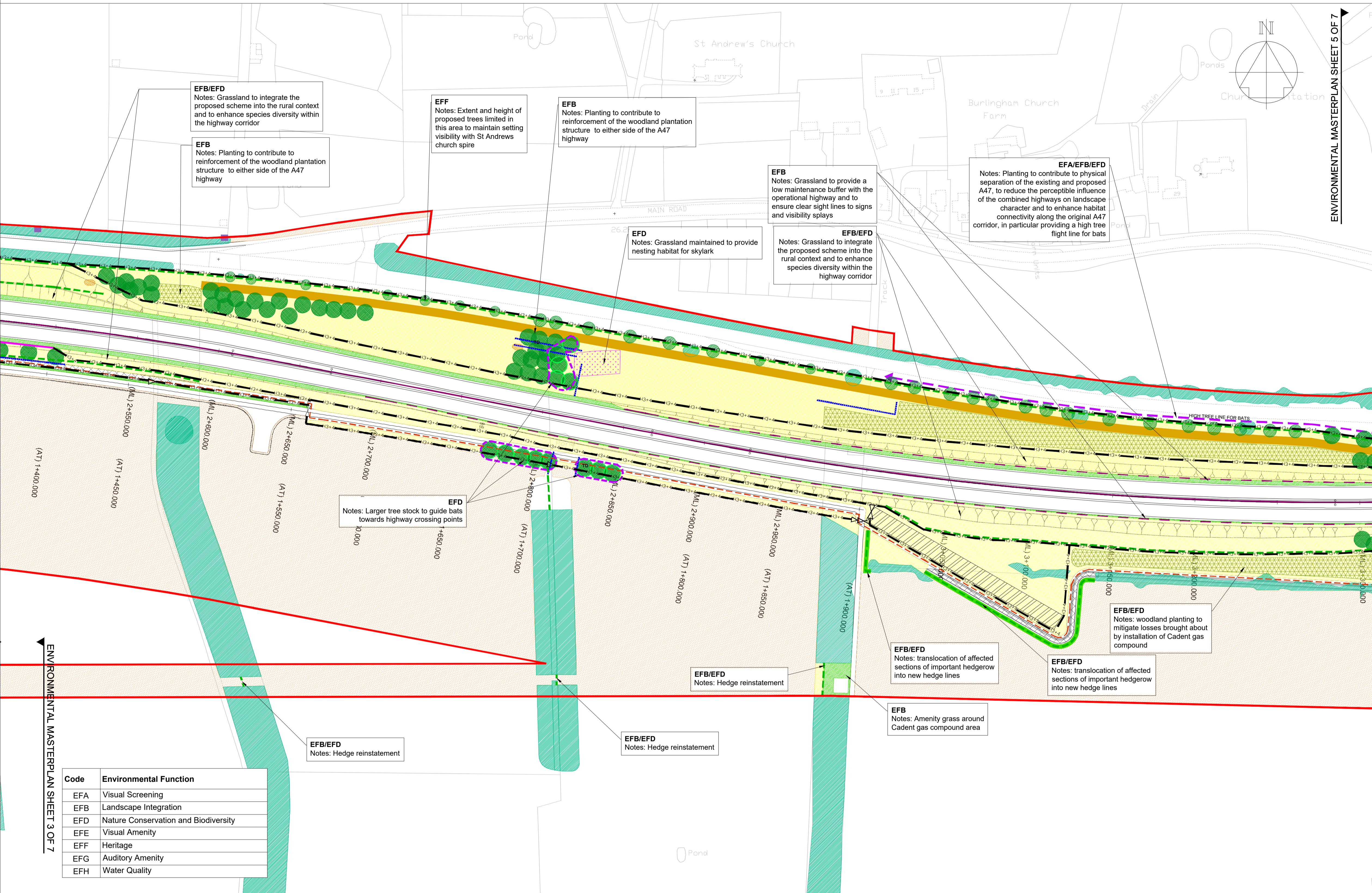
SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30003**

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality

- Red line boundary
- EXISTING VEGETATION
  - Existing vegetation to be retained
- PROPOSED ENVIRONMENTAL ELEMENTS
  - E1.2 Noise barrier-built elements
  - E2.1 Water pollution control measures - attenuation/infiltration ponds
  - E2.3 Soakaways
  - E3.2.1 Ecological protection measures - skylark plot
  - E3.2.2 Ecological protection measures - bat flight path
  - E3.2.3 Ecological protection measures - bat hop
- PROPOSED LANDSCAPE ELEMENTS
  - LE1.1 Amenity grass areas
  - LE1.2 Grassland with bulbs
  - LE1.3 Species rich grassland
  - E3.2.4 Habitat Piles
  - E3.2.5 Bat Boxes
  - E3.2.6 Kestrel Box (location to be confirmed)
  - E3.2.7 Turtledove Box (location to be confirmed)
  - E3.2.8 Swift Box (location to be confirmed)
  - E3.2.9 Tawny Owl Box (location to be confirmed)
  - LE1.6 Open grassland
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  - LE2.5 Shrubs with intermittent trees
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  - LE4.3 Native species hedgerows
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  - LE5.1.1 Individual trees - Large & medium species
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  - LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens
  - LE6.2 Banks and ditches
  - LE6.4 Marsh and wet grassland
- PROPOSED ELEMENTS - OTHER
  - Agricultural land (restored)
  - Lighting column location (refer Lighting drawing series for further information)
  - Fencing (refer Fencing drawing series for further information)
  - VRS Vehicle Restraint Systems
  - Root barrier (subject to confirmed location of utilities and easement protection requirements)
  - Planting areas where replacement plant species to be agreed with property owners
  - Important hedgerow translocated hedge
  - New footpath



**EFA/EFD**  
Notes: Grassland to integrate the proposed scheme into the rural context and to enhance species diversity within the highway corridor

**EFB**  
Notes: Planting to contribute to reinforcement of the woodland plantation structure to either side of the A47 highway

**EFF**  
Notes: Extent and height of proposed trees limited in this area to maintain setting visibility with St Andrews church spire

**EFB**  
Notes: Planting to contribute to reinforcement of the woodland plantation structure to either side of the A47 highway

**EFB**  
Notes: Grassland to provide a low maintenance buffer with the operational highway and to ensure clear sight lines to signs and visibility splays

**EFA/EFB/EFD**  
Notes: Planting to contribute to physical separation of the existing and proposed A47, to reduce the perceptible influence of the combined highways on landscape character and to enhance habitat connectivity along the original A47 corridor, in particular providing a high tree flight line for bats

**EFA/EFB/EFD**  
Notes: Grassland to integrate the proposed scheme into the rural context and to enhance species diversity within the highway corridor

**EFD**  
Notes: Grassland maintained to provide nesting habitat for skylark

**EFA/EFB/EFD**  
Notes: Larger tree stock to guide bats towards highway crossing points

**EFD**  
Notes: Hedge reinstatement

**EFA/EFB/EFD**  
Notes: Hedge reinstatement

**EFA/EFB/EFD**  
Notes: translocation of affected sections of important hedgerow into new hedge lines

**EFA/EFB/EFD**  
Notes: translocation of affected sections of important hedgerow into new hedge lines

**EFB**  
Notes: Amenity grass around Cadent gas compound area

**EFA/EFB/EFD**  
Notes: woodland planting to mitigate losses brought about by installation of Cadent gas compound

**EFA/EFB/EFD**  
Notes: Hedge reinstatement

**EFA/EFB/EFD**  
Notes: Hedge reinstatement

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6. AREAS OF EXISTING VEGETATION TO BE RETAINED SHOWN ON DRAWING TAKEN FROM ADAS ARBORICULTURAL PLAN 1050831-SWEBLO-AIAP

KEY TO SYMBOLS

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	FOR ISSUE	MHus	MMur	BMcl
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	RMea	RMea	MMur
P05	19/10/21	DEADLINE 5	LS	RMea	MMur

DESIGNER

CONTRACTOR

CLIENT

Red line boundary	E3.2.4 Habitat Piles	LE1.6 Open grassland	LE6.2 Banks and ditches	New footpath
EXISTING VEGETATION Existing vegetation to be retained	E3.2.5 Bat Boxes	LE2.1 Woodland	LE6.4 Marsh and wet grassland	
PROPOSED ENVIRONMENTAL ELEMENTS E1.2 Noise barrier-built elements	E3.2.6 Kestrel Box (location to be confirmed)	LE2.5 Shrubs with intermittent trees	PROPOSED ELEMENTS - OTHER Agricultural land (restored)	
E2.1 Water pollution control measures - attenuation/infiltration ponds	E3.2.7 Turtledove Box (location to be confirmed)	LE2.8 Scrub	Lighting column location (refer Lighting drawing series for further information)	
E2.3 Soakaways	E3.2.8 Swift Box (location to be confirmed)	LE4.3 Native species hedgerows	Fencing (refer Fencing drawing series for further information)	
E3.2.1 Ecological protection measures - skylark plot	E3.2.9 Tawny Owl Box (location to be confirmed)	LE4.4 Native hedgerows with trees	VRS Vehicle Restraint Systems	
E3.2.2 Ecological protection measures - bat flight path		LE5.1.1 Individual trees - Large & medium species	Root barrier (subject to confirmed location of utilities and easement protection requirements)	
E3.2.3 Ecological protection measures - bat hop		LE5.1.2 Individual trees - Small species	Planting areas where replacement plant species to be agreed with property owners	
		LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens	Important hedgerow translocated hedge	

PROJECT TITLE

**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

PROJECT STAGE

**PCF STAGE 4**

DRAWING TITLE

**MASTERPLAN SHEET 4 OF 7 TR010040/APP/6.8**

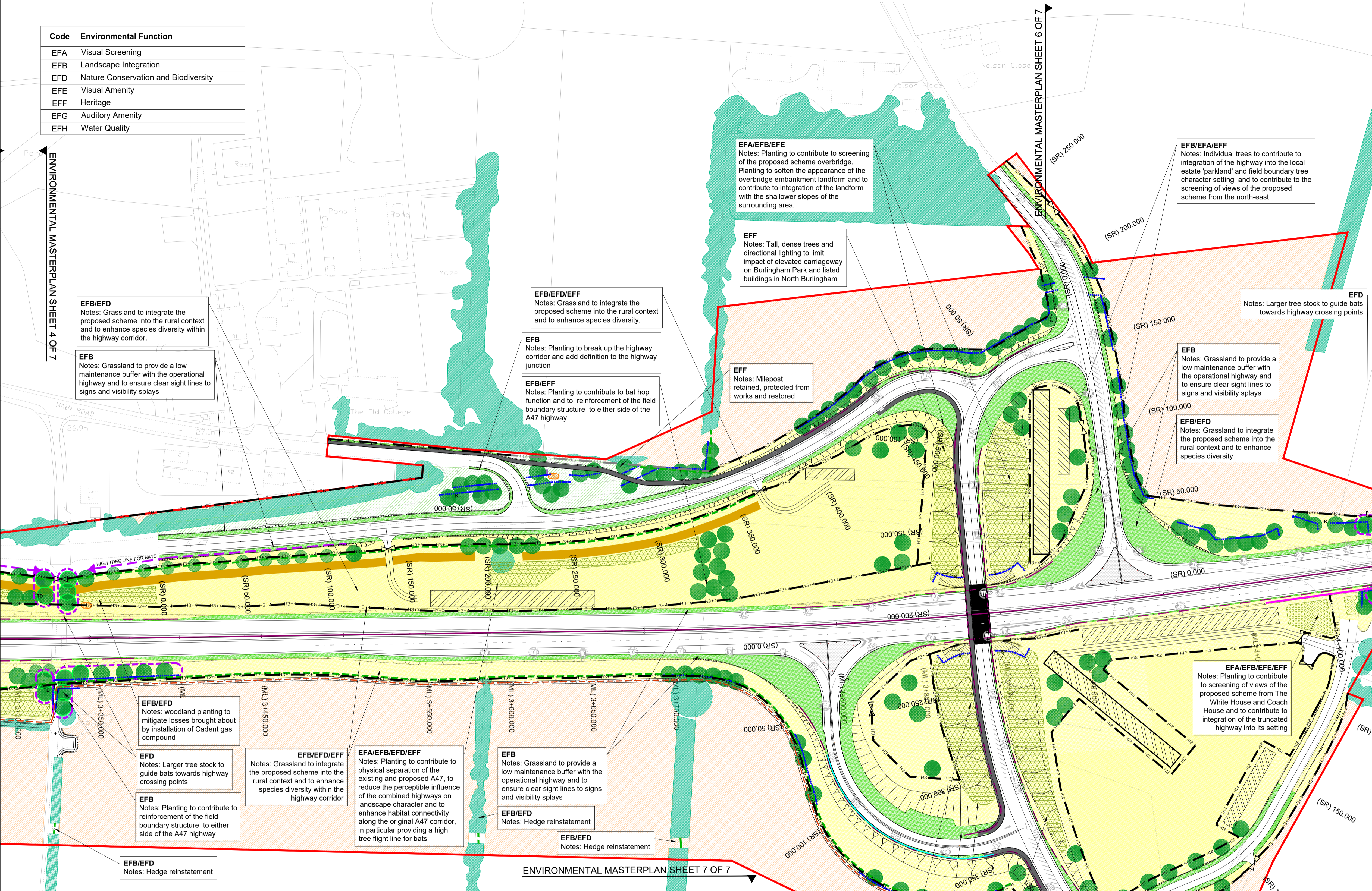
SUITABILITY

**SUITABLE FOR STAGE APPROVAL**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S4	P05



Code	Environmental Function
EFA	Visual Screening
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P04	09/09/21	DEADLINE 4	RMea	RMea	MMur

DESIGNER  
**SWECO**

CONTRACTOR  
**GallifordTry**

CLIENT  
**highways england**

PROJECT TITLE  
**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

PROJECT STAGE  
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SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30005**

**EXISTING VEGETATION**

- Existing vegetation to be retained

**PROPOSED ENVIRONMENTAL ELEMENTS**

- E1.2 Noise barrier-built elements
- E2.1 Water pollution control measures - attenuation/infiltration ponds
- E2.3 Soakaways
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- E3.2.2 Ecological protection measures - bat flight path
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**PROPOSED LANDSCAPE ELEMENTS**

- LE1.1 Amenity grass areas
- LE1.2 Grassland with bulbs
- LE1.3 Species rich grassland

**PROPOSED ELEMENTS - OTHER**

- Agricultural land (restored)
- Lighting column location (refer Lighting drawing series for further information)
- Fencing (refer Fencing drawing series for further information)
- VRS Vehicle Restraint Systems
- Root barrier (subject to confirmed location of utilities and easement protection requirements)
- Planting areas where replacement plant species to be agreed with property owners
- Important hedgerow translocated hedge

**EXISTING VEGETATION**

- E3.2.4 Habitat Piles
- E3.2.5 Bat Boxes
- E3.2.6 Kestrel Box (location to be confirmed)
- E3.2.7 Turtledove Box (location to be confirmed)
- E3.2.8 Swift Box (location to be confirmed)
- E3.2.9 Tawny Owl Box (location to be confirmed)

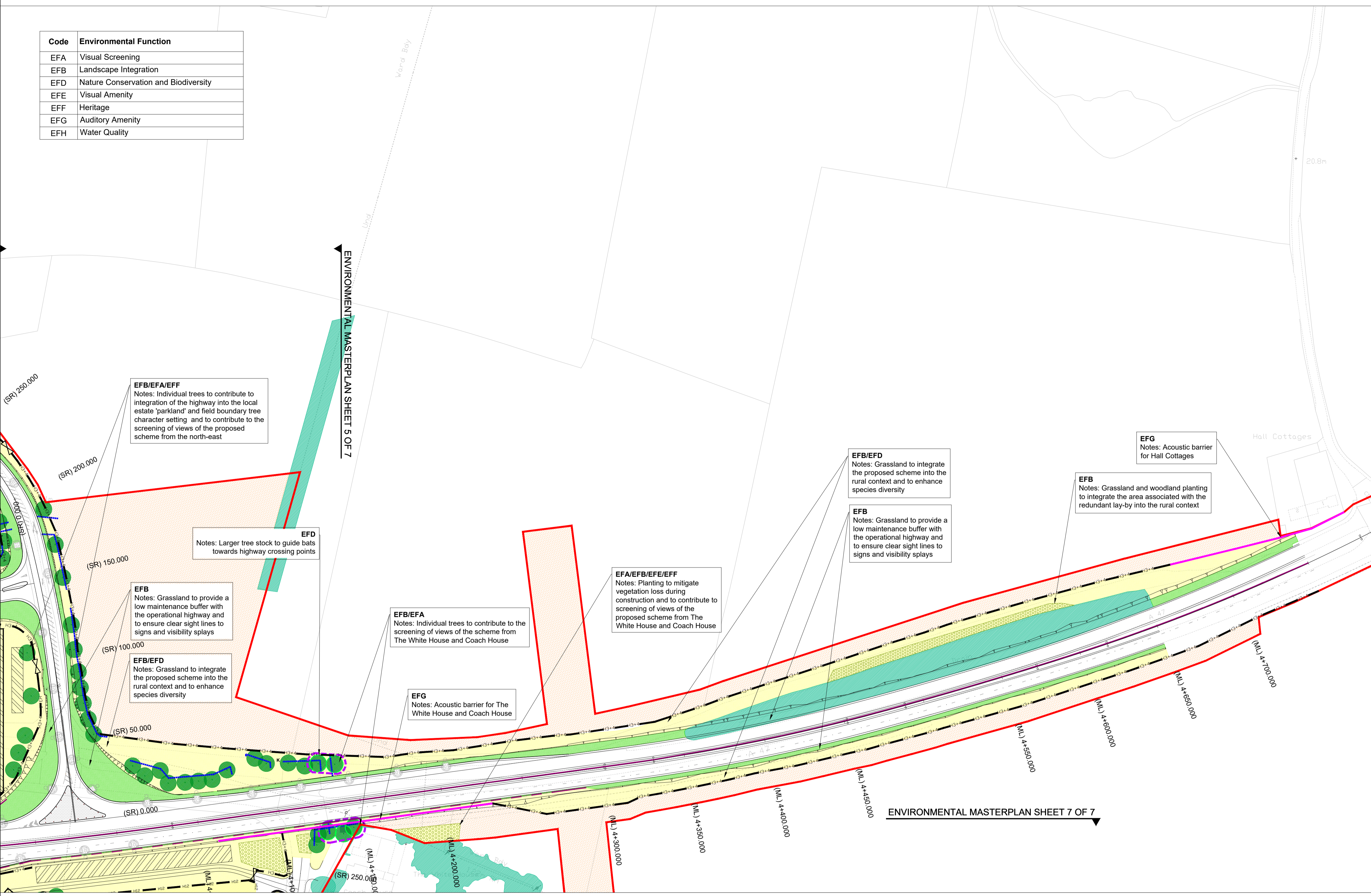
**PROPOSED LANDSCAPE ELEMENTS**

- LE1.6 Open grassland
- LE2.1 Woodland
- LE2.5 Shrubs with intermittent trees
- LE2.8 Scrub
- LE4.3 Native species hedgerows
- LE4.4 Native hedgerows with trees
- LE5.1.1 Individual trees - Large & medium species
- LE5.1.2 Individual trees - Small species
- LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens

**PROPOSED ELEMENTS - OTHER**

- LE6.2 Banks and ditches
- LE6.4 Marsh and wet grassland
- New footpath

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality



- NOTES**
- THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE
  - DO NOT SCALE FROM THIS DRAWING
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HE551490-GTY-ELS-000-DR-LX-30001 SHEET 1 OF 7  
HE551490-GTY-ELS-000-DR-LX-30002 SHEET 2 OF 7  
HE551490-GTY-ELS-000-DR-LX-30003 SHEET 3 OF 7  
HE551490-GTY-ELS-000-DR-LX-30004 SHEET 4 OF 7  
HE551490-GTY-ELS-000-DR-LX-30005 SHEET 5 OF 7  
HE551490-GTY-ELS-000-DR-LX-30007 SHEET 7 OF 7
  - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT
  - FOR ARBORICULTURAL IMPACT ASSESSMENT PLAN REFER TO DRAWING 1050831-SWEBLO-AIAP
  - AREAS OF EXISTING VEGETATION TO BE RETAINED SHOWN ON DRAWING TAKEN FROM ADAS ARBORICULTURAL PLAN 1050831-SWEBLO-AIAP

**KEY TO SYMBOLS**

Code	Description
Red line	Red line boundary
Green outline	Existing vegetation to be retained
Pink outline	E1.2 Noise barrier-built elements
Blue outline	E2.1 Water pollution control measures - attenuation/infiltration ponds
Grey outline	E2.3 Soakaways
Light green fill	E3.2.1 Ecological protection measures - skylark plot
Dark green fill	E3.2.2 Ecological protection measures - bat flight path
Light blue fill	E3.2.3 Ecological protection measures - bat hop
Orange fill	E3.2.4 Habitat Piles
Purple fill	E3.2.5 Bat Boxes
Yellow fill	E3.2.6 Kestrel Box (location to be confirmed)
Light purple fill	E3.2.7 Turtledove Box (location to be confirmed)
Light blue fill	E3.2.8 Swift Box (location to be confirmed)
Light green fill	E3.2.9 Tawny Owl Box (location to be confirmed)
Light green fill	LE1.1 Amenity grass areas
Light green fill	LE1.2 Grassland with bulbs
Light green fill	LE1.3 Species rich grassland
Light green fill	LE1.6 Open grassland
Light green fill	LE2.1 Woodland
Light green fill	LE2.5 Shrubs with intermittent trees
Light green fill	LE2.8 Scrub
Light green fill	LE4.3 Native species hedgerows
Light green fill	LE4.4 Native hedgerows with trees
Light green fill	LE5.1.1 Individual trees - Large & medium species
Light green fill	LE5.1.2 Individual trees - Small species
Light green fill	LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens
Light green fill	LE6.2 Banks and ditches
Light green fill	LE6.4 Marsh and wet grassland
Light green fill	Agricultural land (restored)
Light green fill	Lighting column location (refer Lighting drawing series for further information)
Light green fill	Fencing (refer Fencing drawing series for further information)
Light green fill	VRS Vehicle Restraint Systems
Light green fill	Root barrier (subject to confirmed location of utilities and easement protection requirements)
Light green fill	Planting areas where replacement plant species to be agreed with property owners
Light green fill	Important hedgerow translocated hedge
Light green fill	New footpath

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	Final drawing	MHus	MMur	BMcL
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	RMea	RMea	MMur

DESIGNER  
**SWECO**

CONTRACTOR  
**GallifordTry**

CLIENT  
**highways england**

PROJECT TITLE  
**A47 BLOFIELD TO NORTH BURLINGHAM DUALLING**

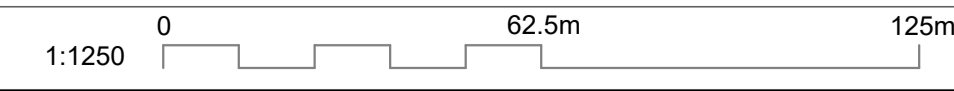
PROJECT STAGE  
**PCF STAGE 3**

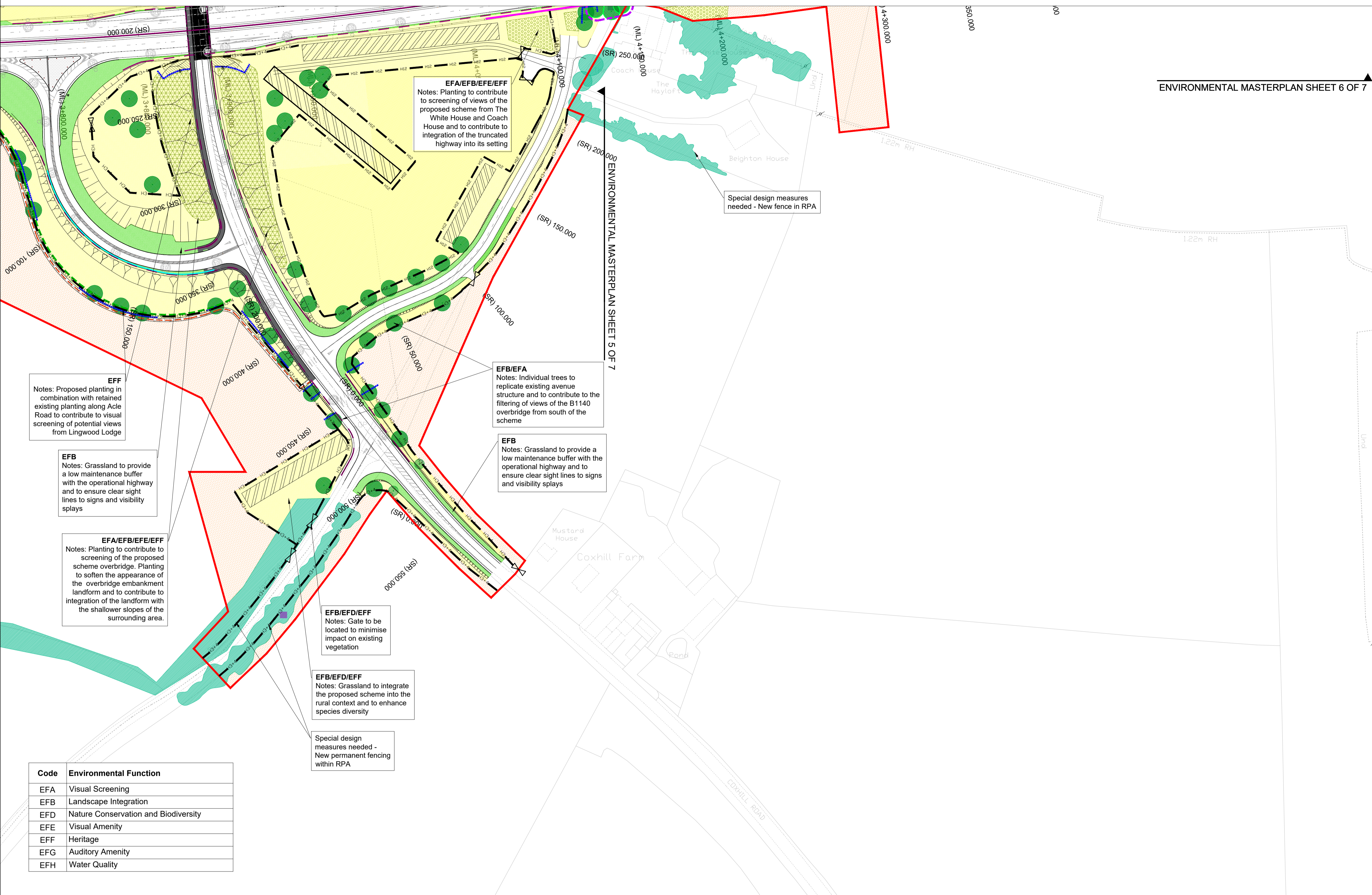
DRAWING TITLE  
**MASTERPLAN SHEET 6 OF 7 TR010040/APP/6.8**

SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30006**





**EFA/EFB/EFE/EFH**  
Notes: Planting to contribute to screening of views of the proposed scheme from The White House and Coach House and to contribute to integration of the truncated highway into its setting

**EFF**  
Notes: Proposed planting in combination with retained existing planting along Acle Road to contribute to visual screening of potential views from Lingwood Lodge

**EFB**  
Notes: Grassland to provide a low maintenance buffer with the operational highway and to ensure clear sight lines to signs and visibility splays

**EFA/EFB/EFE/EFH**  
Notes: Planting to contribute to screening of the proposed scheme overbridge. Planting to soften the appearance of the overbridge embankment landform and to contribute to integration of the landform with the shallower slopes of the surrounding area.

**EFB/EFA**  
Notes: Individual trees to replicate existing avenue structure and to contribute to the filtering of views of the B1140 overbridge from south of the scheme

**EFB**  
Notes: Grassland to provide a low maintenance buffer with the operational highway and to ensure clear sight lines to signs and visibility splays

**EFB/EFD/EFH**  
Notes: Gate to be located to minimise impact on existing vegetation

**EFB/EFD/EFH**  
Notes: Grassland to integrate the proposed scheme into the rural context and to enhance species diversity

Special design measures needed - New permanent fencing within RPA

Special design measures needed - New fence in RPA

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality

<p>Red line boundary</p> <p>EXISTING VEGETATION</p> <p>Existing vegetation to be retained</p> <p>PROPOSED ENVIRONMENTAL ELEMENTS</p> <p>E1.2 Noise barrier-built elements</p> <p>E2.1 Water pollution control measures - attenuation/infiltration ponds</p> <p>E2.3 Soakaways</p> <p>E3.2.1 Ecological protection measures - skylark plot</p> <p>E3.2.2 Ecological protection measures - bat flight path</p> <p>E3.2.3 Ecological protection measures - bat hop</p>	<p>E3.2.4 Habitat Piles</p> <p>E3.2.5 Bat Boxes</p> <p>E3.2.6 Kestrel Box (location to be confirmed)</p> <p>E3.2.7 Turtledove Box (location to be confirmed)</p> <p>E3.2.8 Swift Box (location to be confirmed)</p> <p>E3.2.9 Tawny Owl Box (location to be confirmed)</p> <p>PROPOSED LANDSCAPE ELEMENTS</p> <p>LE1.1 Amenity grass areas</p> <p>LE1.2 Grassland with bulbs</p> <p>LE1.3 Species rich grassland</p>	<p>LE1.6 Open grassland</p> <p>LE2.1 Woodland</p> <p>LE2.5 Shrubs with intermittent trees</p> <p>LE2.8 Scrub</p> <p>LE4.3 Native species hedgerows</p> <p>LE4.4 Native hedgerows with trees</p> <p>LE5.1.1 Individual trees - Large &amp; medium species</p> <p>LE5.1.2 Individual trees - Small species</p> <p>LE5.1.3 Individual trees - Small to large species planted as extra heavy standard specimens</p>	<p>LE6.2 Banks and ditches</p> <p>LE6.4 Marsh and wet grassland</p> <p>PROPOSED ELEMENTS - OTHER</p> <p>Agricultural land (restored)</p> <p>Lighting column location (refer Lighting drawing series for further information)</p> <p>Fencing (refer Fencing drawing series for further information)</p> <p>VRS Vehicle Restraint Systems</p> <p>Root barrier (subject to confirmed location of utilities and easement protection requirements)</p> <p>Planting areas where replacement plant species to be agreed with property owners</p> <p>Important hedgerow translocated hedge</p>	<p>New footpath</p>
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- NOTES**
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HE551490-GTY-ELS-000-DR-LX-30001 SHEET 1 OF 7  
HE551490-GTY-ELS-000-DR-LX-30002 SHEET 2 OF 7  
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  - AREAS OF EXISTING VEGETATION TO BE RETAINED SHOWN ON DRAWING TAKEN FROM ADAS ARBORICULTURAL PLAN 1050831-SWEBLO-AIAP

**KEY TO SYMBOLS**

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	22/10/20	FOR ISSUE	LS	RMea	MMur
P02	04/03/21	Final drawing	MHus	MMur	BMCL
P03	05/07/21	DEADLINE 1	LS	MMur	BJon
P04	09/09/21	DEADLINE 4	LS	RMea	MMur

DESIGNER

<b>SWECO</b>					
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CONTRACTOR

<b>GallifordTry</b>					
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CLIENT

<b>highways england</b>					
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PROJECT TITLE

**A47 BLOFIELD TO  
NORTH BURLINGHAM DUALLING**

PROJECT STAGE

**PCF STAGE 3**

DRAWING TITLE

**MASTERPLAN  
SHEET 7 OF 7  
TR010040/APP/6.8**

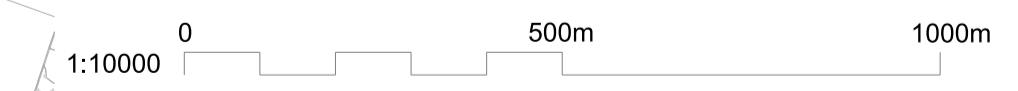
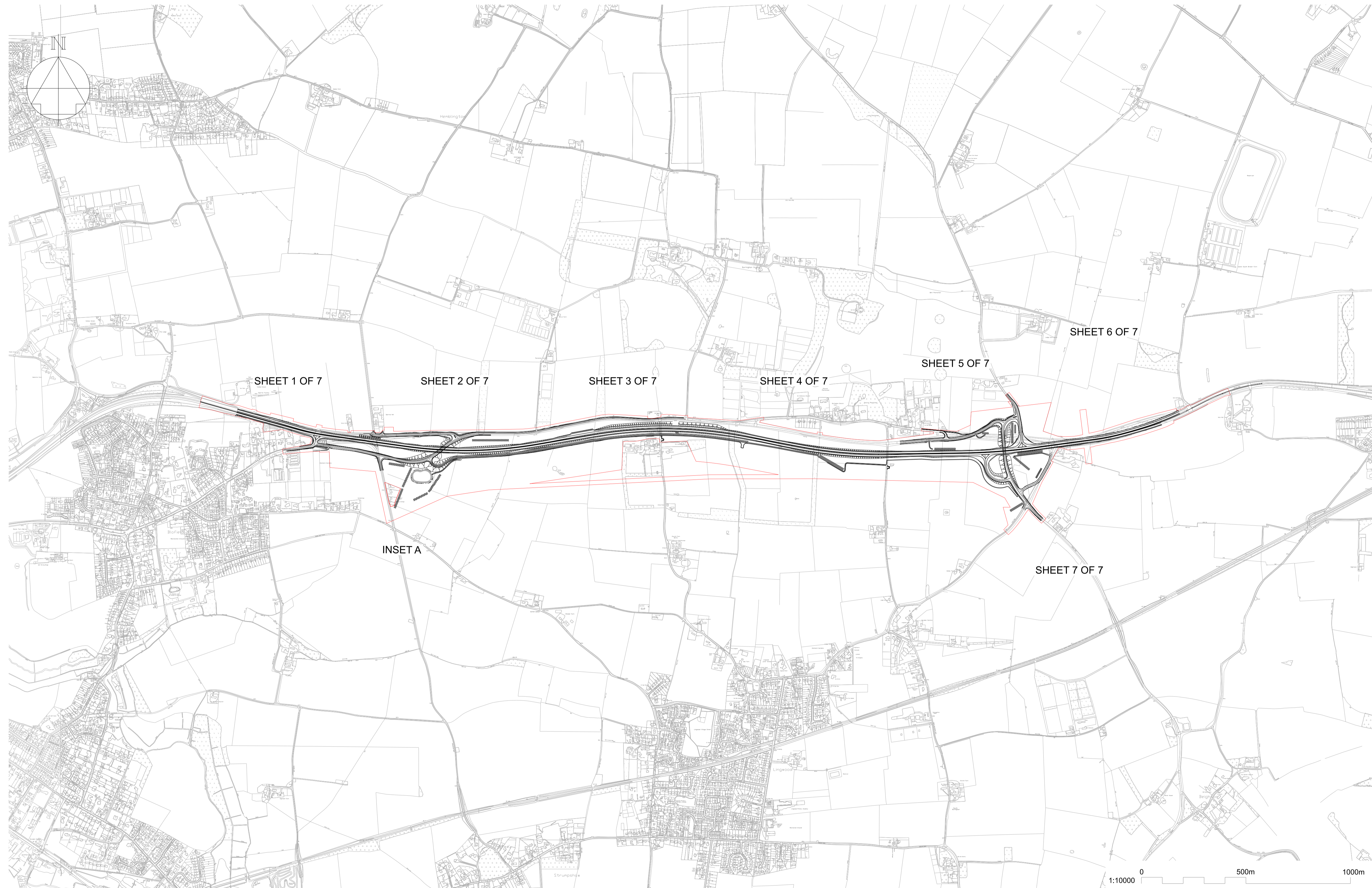
SUITABILITY

**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER

**HE551490-GTY-ELS-000-DR-LX-30007**



- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
  2. THESE PLANS SHOULD BE READ IN CONJUNCTION WITH DRAWINGS:  
 HE551490-GTY-ELS-000-DR-LX-30001 SHEET 1 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30002 SHEET 2 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30003 SHEET 3 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30004 SHEET 4 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30005 SHEET 5 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30006 SHEET 6 OF 7  
 HE551490-GTY-ELS-000-DR-LX-30007 SHEET 7 OF 7

**KEY TO SYMBOLS**

— RED LINE BOUNDARY


P01	04/03/21	Final drawing		MHus	MMur	MMur
REV	DATE	REVISION NOTE		ORG	CHKD	APPD

DESIGNER

**SWECO** 

CONTRACTOR

**GallifordTry** 

CLIENT

**highways**  
england 

PROJECT TITLE

**A47 BLOFIELD TO  
NORTH BURLINGHAM DUALLING**

PROJECT STAGE

**PCF STAGE 3**

DRAWING TITLE

**MASTERPLAN  
KEY PLAN  
TR010040/APP/6.8**

SUITABILITY

**SUITABLE FOR STAGE APPROVAL**

SHEET SIZE	SCALE	STATUS	REVISION
<b>A1</b>	<b>AS SHOWN</b>	<b>S4</b>	<b>P01</b>

DRAWING NUMBER

**HE551490-GTY-ELS-000-DR-LX-30070**

