

# 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

September 2021

Deadline 4

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



## 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

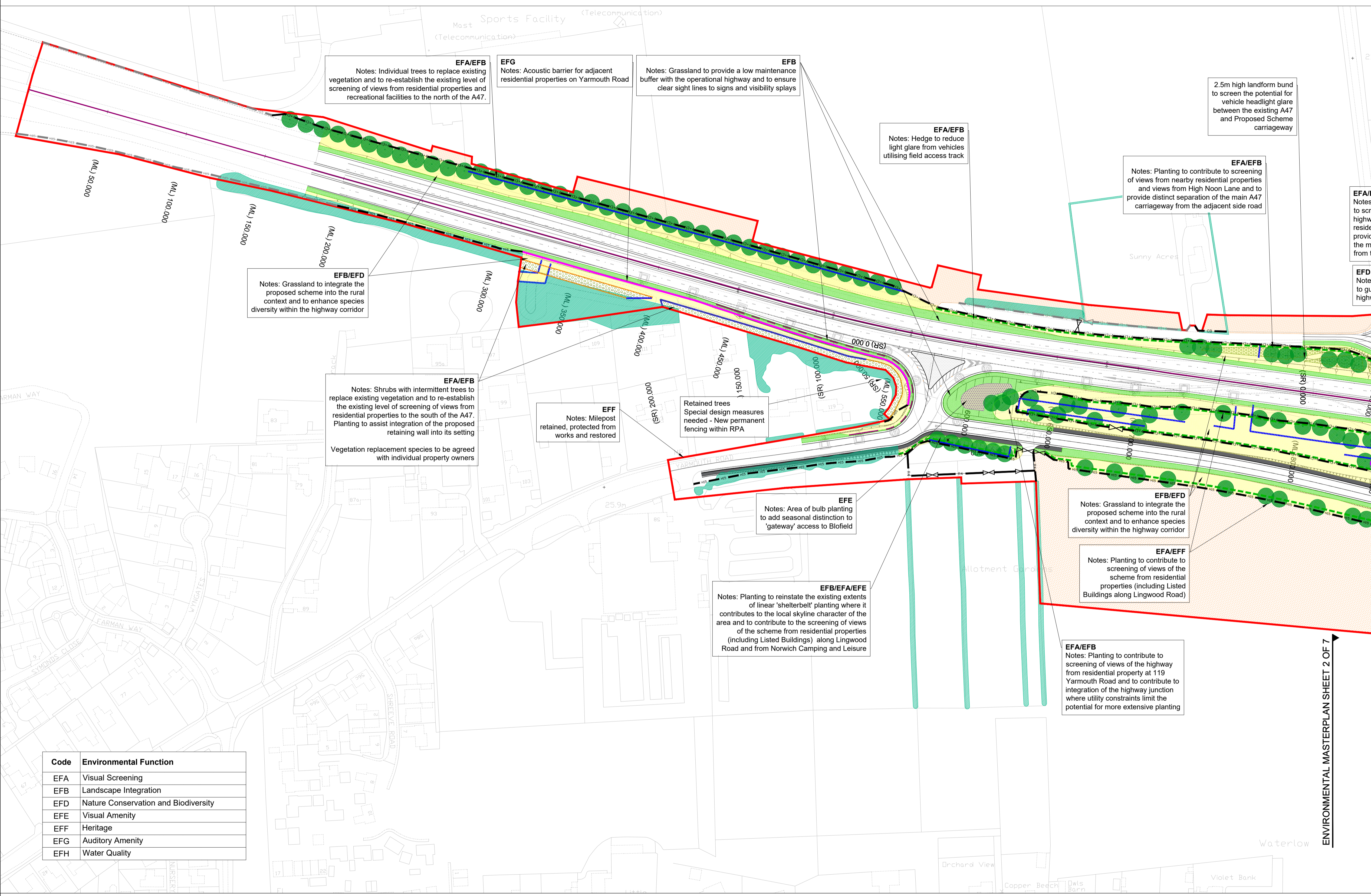
### DEADLINE 1, REV 1

- 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.





- 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-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: Individual trees to replace existing vegetation and to re-establish the existing level of screening of views from residential properties and recreational facilities to the north of the A47.

EFG Notes: Acoustic barrier for adjacent residential properties on Yarmouth Road

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 Notes: Hedge to reduce light glare from vehicles utilising field access track

EFA/EFB Notes: Planting to contribute to screening of views from nearby residential properties and views from High Noon Lane and to provide distinct separation of the main A47 carriageway from the adjacent side road

EFA/EFB Notes: to screen highway residential provide the main from th

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

EFA/EFB Notes: Shrubs with intermittent trees to replace existing vegetation and to re-establish the existing level of screening of views from residential properties to the south of the A47. Planting to assist integration of the proposed retaining wall into its setting

Vegetation replacement species to be agreed with individual property owners

EFF Notes: Milepost retained, protected from works and restored

Retained trees Special design measures needed - New permanent fencing within RPA

EFE Notes: Area of bulb planting to add seasonal distinction to 'gateway' access to Blofield

EFB/EFB/EFE Notes: Planting to reinstate the existing extents of linear 'shelterbelt' planting where it contributes to the local skyline character of the area and to contribute to the screening of views of the scheme from residential properties (including Listed Buildings) along Lingwood Road and from Norwich Camping and Leisure

EFA/EFB Notes: Planting to contribute to screening of views of the scheme from residential properties (including Listed Buildings) along Lingwood Road

EFA/EFB Notes: Planting to contribute to screening of views of the highway from residential property at 119 Yarmouth Road and to contribute to integration of the highway junction where utility constraints limit the potential for more extensive planting

2.5m high landform bund to screen the potential for vehicle headlight glare between the existing A47 and Proposed Scheme carriageway

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><b>EXISTING VEGETATION</b></p> <p>Existing vegetation to be retained</p> <p><b>PROPOSED ENVIRONMENTAL ELEMENTS</b></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><b>PROPOSED LANDSCAPE ELEMENTS</b></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><b>PROPOSED ELEMENTS - OTHER</b></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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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**

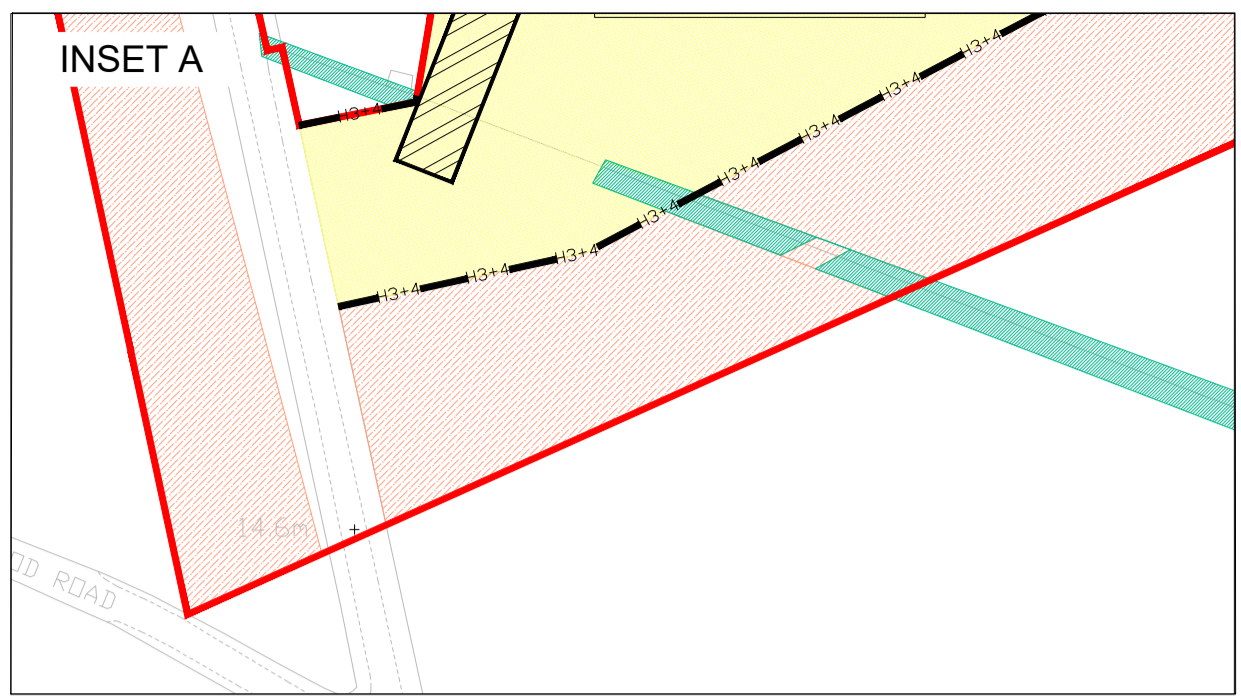
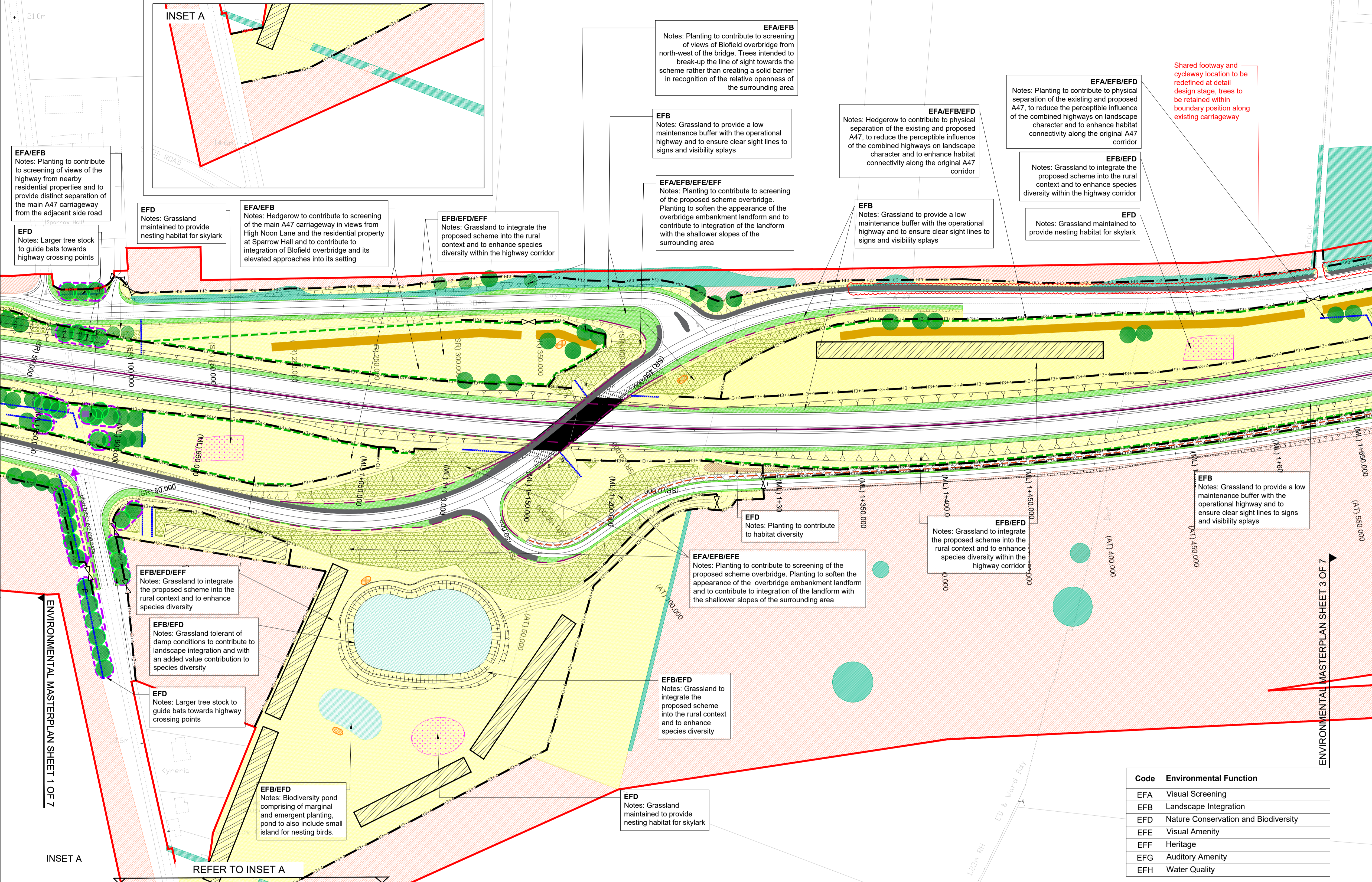
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

DRAWING NUMBER

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

ENVIRONMENTAL MASTERPLAN SHEET 2 OF 7





**EFA/EFB**  
Notes: Planting to contribute to screening of views of the highway from nearby residential properties and to provide distinct separation of the main A47 carriageway from the adjacent side road

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

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

**EFA/EFB**  
Notes: Hedgerow to contribute to screening of the main A47 carriageway in views from High Noon Lane and the residential property at Sparrow Hall and to contribute to integration of Blofield overbridge and its elevated approaches into its setting

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

**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/EFB/EFF**  
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

**EFA/EFB/EFB**  
Notes: Hedgerow 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

**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/EFB**  
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

**EFB/EFB**  
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

Shared footway and cycleway location to be redefined at detail design stage, trees to be retained within boundary position along existing carriageway

**EFD**  
Notes: Planting to contribute to habitat diversity

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

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

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

**EFB/EFB**  
Notes: Grassland tolerant of damp conditions to contribute to landscape integration and with an added value contribution to species diversity

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

**EFB/EFB**  
Notes: Biodiversity pond comprising of marginal and emergent planting, pond to also include small island for nesting birds.

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

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

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EFA	Visual Screening
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- 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

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

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

**KEY TO SYMBOLS**

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P01	22/10/20	FOR ISSUE	LS	RMea	MMur
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P04	09/09/21	DEADLINE 4	RMea	RMea	MMur



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

**PROJECT STAGE**  
PCF STAGE 3

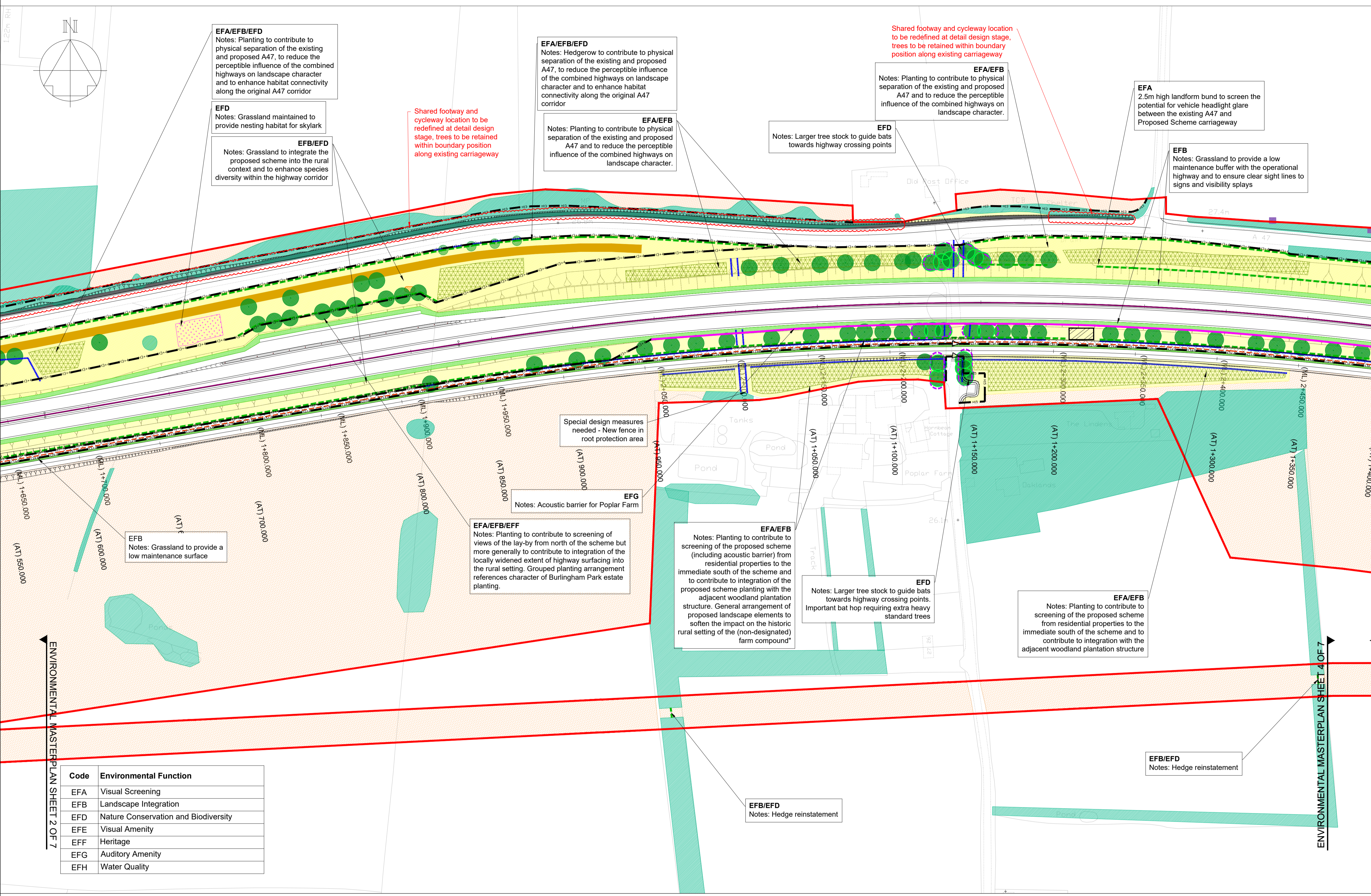
**DRAWING TITLE**  
MASTERPLAN SHEET 2 OF 7 TR010040/APP/6.8

**SUITABILITY**  
SUITABLE FOR REVIEW & COMMENT

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

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





ENVIRONMENTAL MASTERPLAN SHEET 2 OF 7

ENVIRONMENTAL MASTERPLAN SHEET 4 OF 7

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
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<p>Red line boundary</p> <p>EXISTING VEGETATION</p> <ul style="list-style-type: none"> <li>Existing vegetation to be retained</li> </ul> <p>PROPOSED ENVIRONMENTAL ELEMENTS</p> <ul style="list-style-type: none"> <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>	<p>PROPOSED LANDSCAPE ELEMENTS</p> <ul style="list-style-type: none"> <li>LE1.1 Amenity grass areas</li> <li>LE1.2 Grassland with bulbs</li> <li>LE1.3 Species rich grassland</li> </ul>	<p>EXISTING VEGETATION</p> <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> </ul> <p>PROPOSED LANDSCAPE ELEMENTS</p> <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>	<p>PROPOSED ELEMENTS - OTHER</p> <ul style="list-style-type: none"> <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>	<p>New footpath</p>
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**KEY TO SYMBOLS**

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DESIGNER

CONTRACTOR

CLIENT

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

PROJECT STAGE  
**PCF STAGE 3**

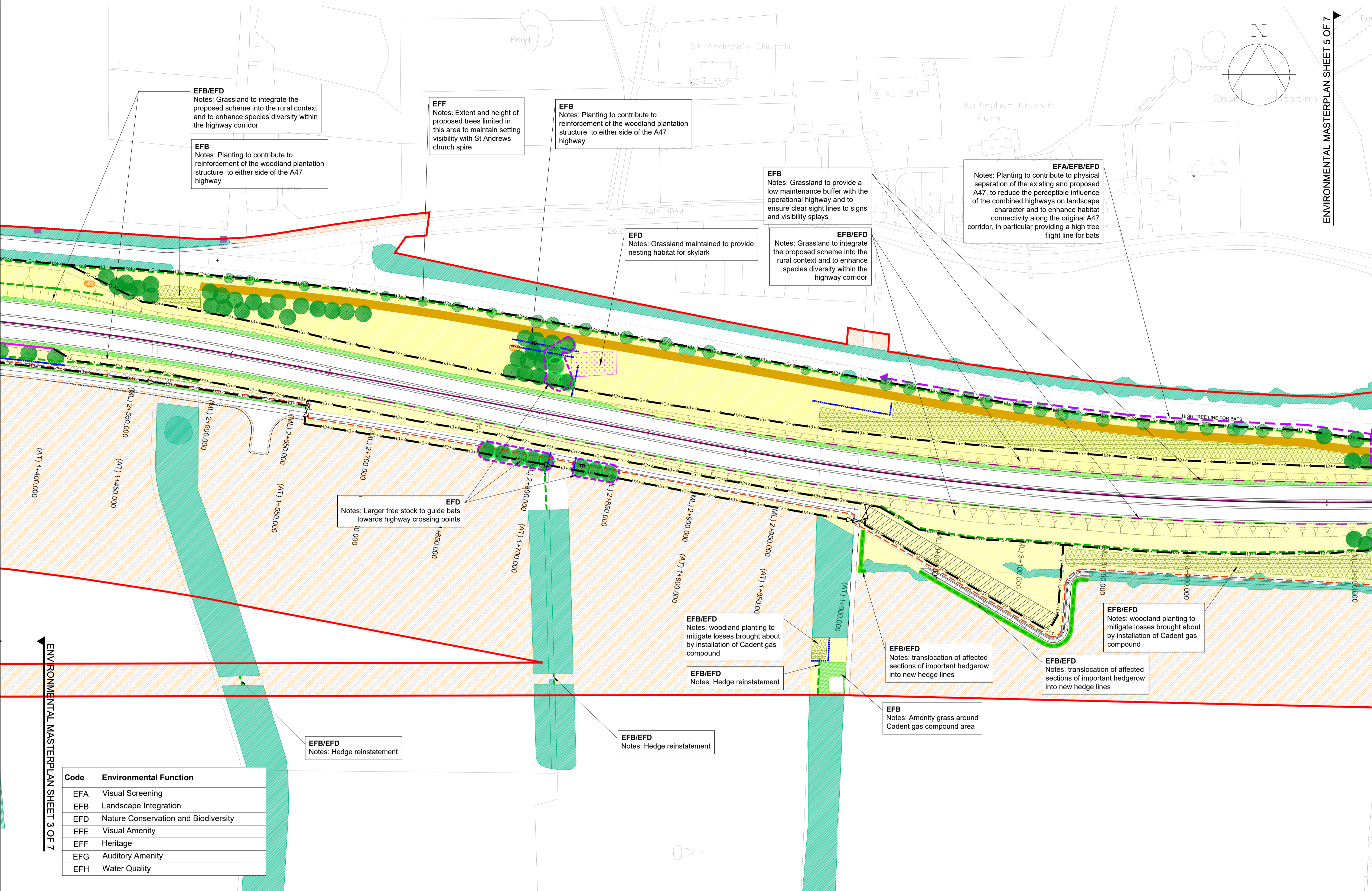
DRAWING TITLE  
**MASTERPLAN SHEET 3 OF 7 TR010040/APP/6.8**

SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S3	P04

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





**EFB/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

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

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

**efd**  
Notes: Larger tree stock to guide bats towards highway crossing points

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

**EFB/efd**  
Notes: Hedge reinstatement

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

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

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

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

**EFB/efd**  
Notes: Hedge reinstatement

**EFB/efd**  
Notes: Hedge reinstatement

Code	Environmental Function
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efh	Water Quality

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

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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	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 4 OF 7 TR010040/APP/6.8**

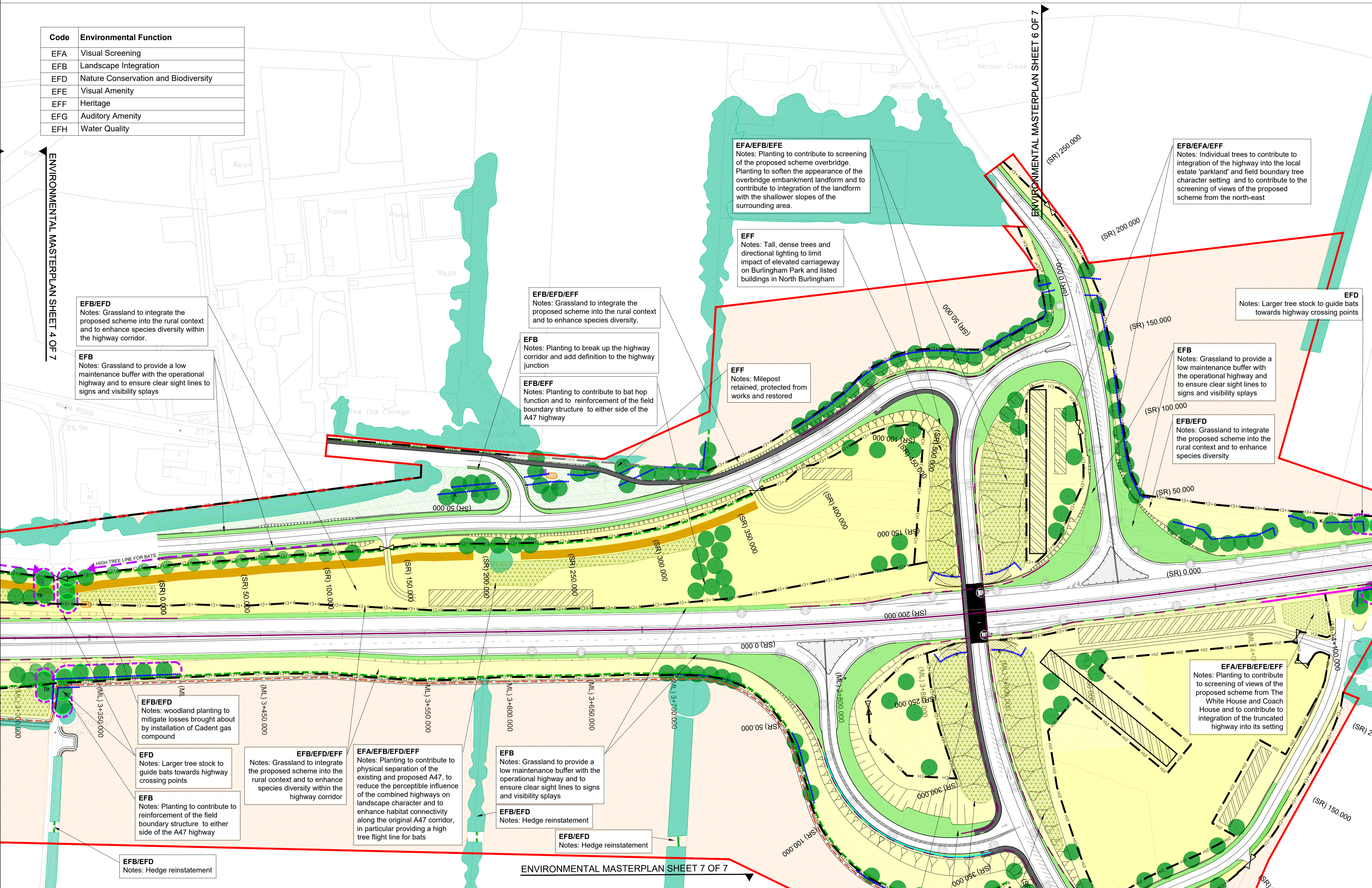
SUITABILITY  
**SUITABLE FOR REVIEW & COMMENT**

SHEET SIZE <b>A1</b>	SCALE <b>1:1250</b>	STATUS <b>S3</b>	REVISION <b>P04</b>
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DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30004**



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
  - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING 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-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**

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 5 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-30005**

**ENVIRONMENTAL MASTERPLAN SHEET 6 OF 7**

**ENVIRONMENTAL MASTERPLAN SHEET 7 OF 7**

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

**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

**PROPOSED ELEMENTS - OTHER**

- 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**

- 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)

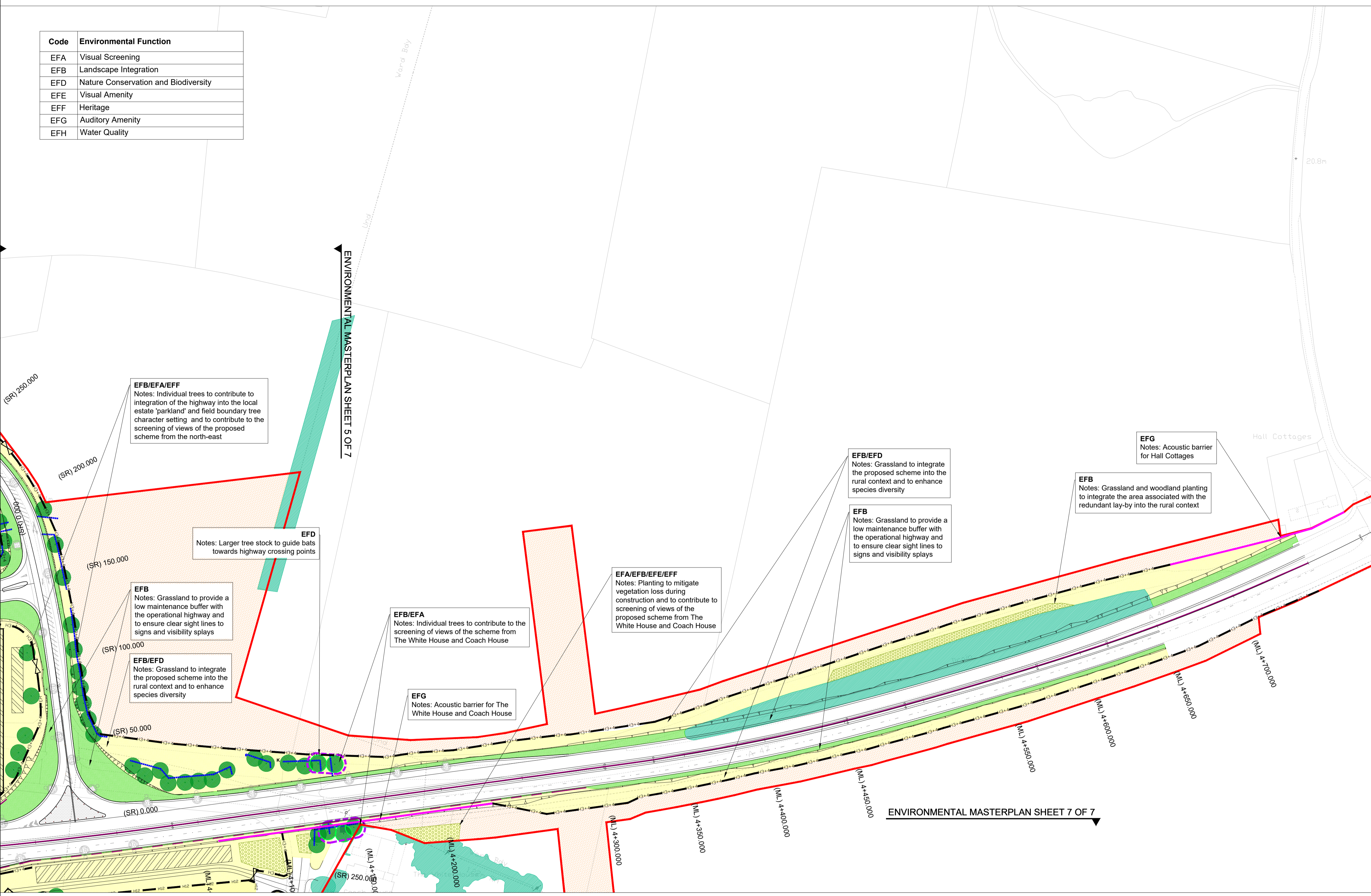
**PROPOSED ELEMENTS - OTHER**

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

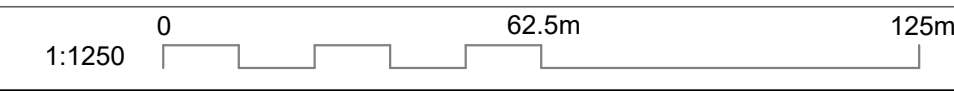
PROJECT STAGE  
**PCF STAGE 3**

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

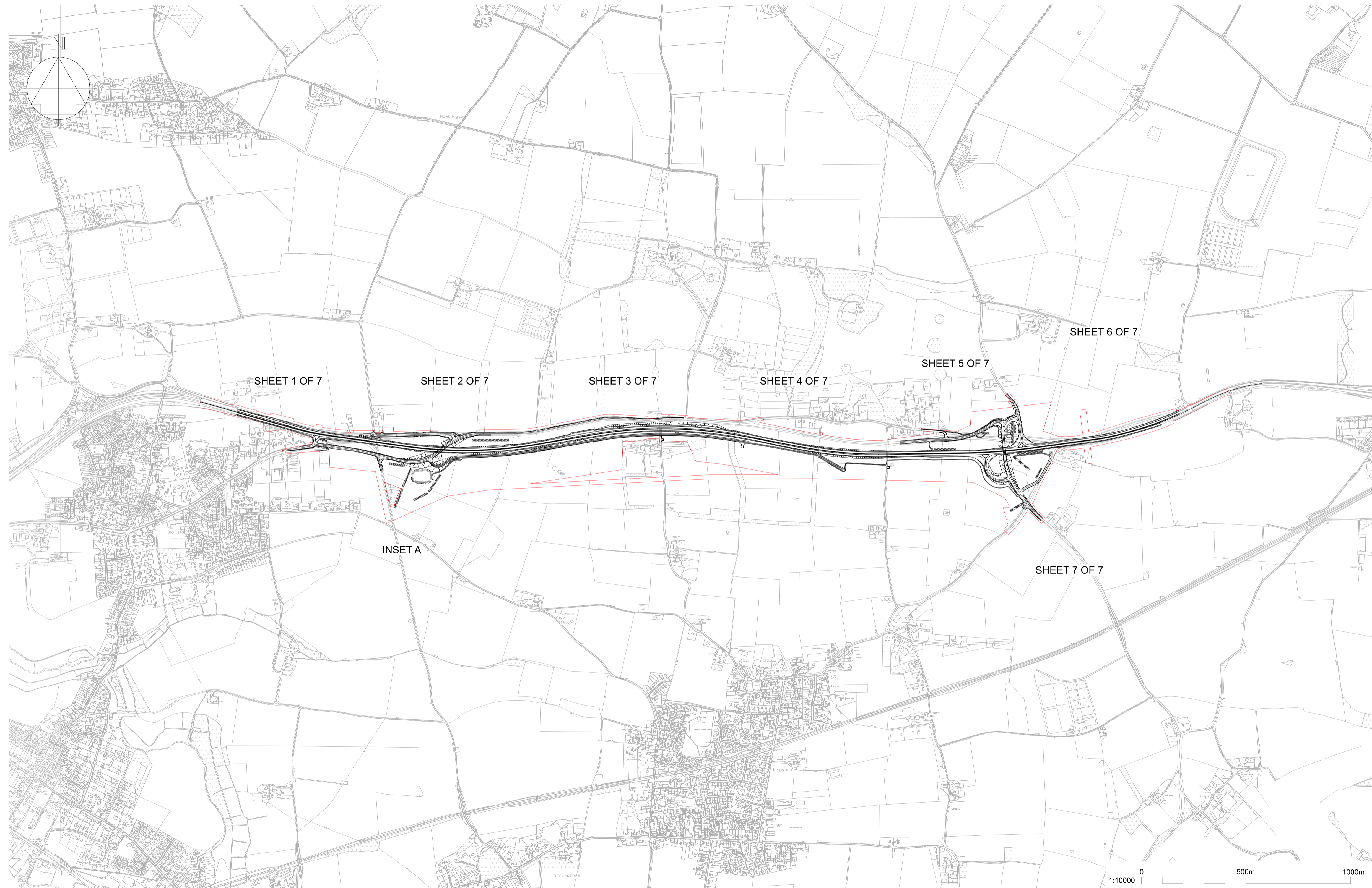
DRAWING NUMBER  
**HE551490-GTY-ELS-000-DR-LX-30006**











- 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
A1	AS SHOWN	S4	P01

DRAWING NUMBER

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



