

A47/A11 Thickthorn Junction

Scheme Number: TR010037

Volume 6 **6.8 Environmental Masterplan**

APFP Regulation 5(2)(o)

Planning Act 2008

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

March 2021

Infrastructure Planning

Planning Act 2008

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

The A47/A11 Thickthorn Junction
Development Consent Order 202[x]

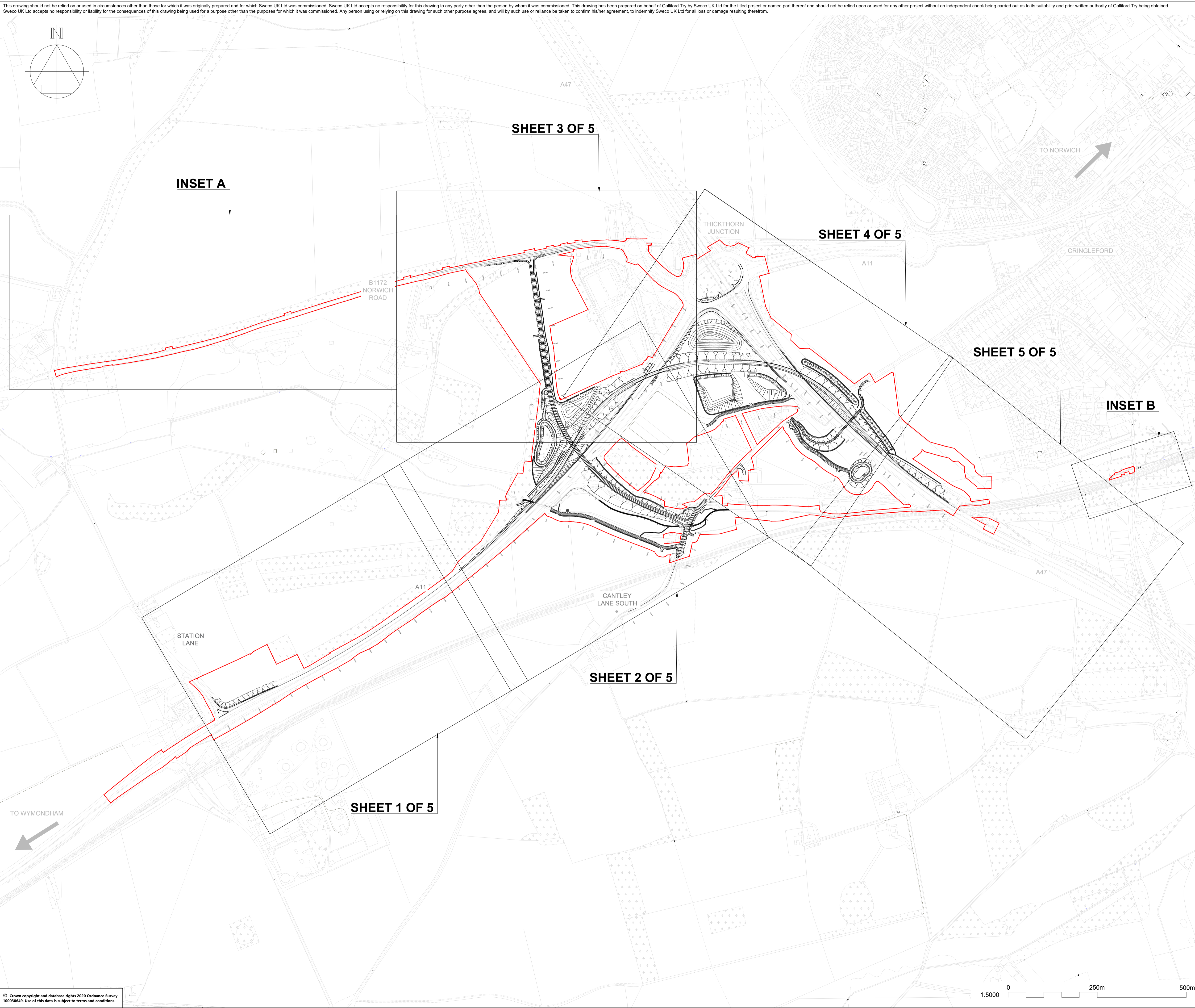
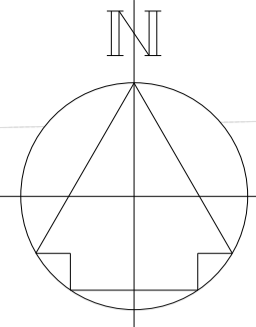
6.8 ENVIRONMENTAL MASTERPLAN

Regulation Number:	Regulation 5(2)(o)
Planning Inspectorate Scheme Reference	TR010037
Application Document Reference	TR010037/APP/6.8
BIM Document Reference	PCF STAGE 3
Author:	A47/A11 Thickthorn Junction Project Team, Highways England

Version	Date	Status of Version
Rev 0	March 2021	Application Issue


SCHEDULE OF FIGURES INCLUDED IN THIS APPLICATION DOCUMENT

Figure Title	Drawing Number
Environmental Masterplan Key Plan	HE551492-GTY-ELS-000-DR-LX-30100-P01
Environmental Masterplan Sheet 1 of 5	HE551492-GTY-ELS-000-DR-LX-30001-P01
Environmental Masterplan Sheet 2 of 5	HE551492-GTY-ELS-000-DR-LX-30002-P01
Environmental Masterplan Sheet 3 of 5	HE551492-GTY-ELS-000-DR-LX-30003-P01
Environmental Masterplan Sheet 4 of 5	HE551492-GTY-ELS-000-DR-LX-30004-P01
Environmental Masterplan Sheet 5 of 5	HE551492-GTY-ELS-000-DR-LX-30005-P01



- NOTES**
1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 2. ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
 HE551492-GTY-ELS-000-DR-LX-30001
 HE551492-GTY-ELS-000-DR-LX-30002
 HE551492-GTY-ELS-000-DR-LX-30003
 HE551492-GTY-ELS-000-DR-LX-30004
 HE551492-GTY-ELS-000-DR-LX-30005

KEY TO SYMBOLS

 DCO BOUNDARY

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBla	FB
DESIGNER					

CONTRACTOR

SWECO 

CLIENT

GallifordTry

PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

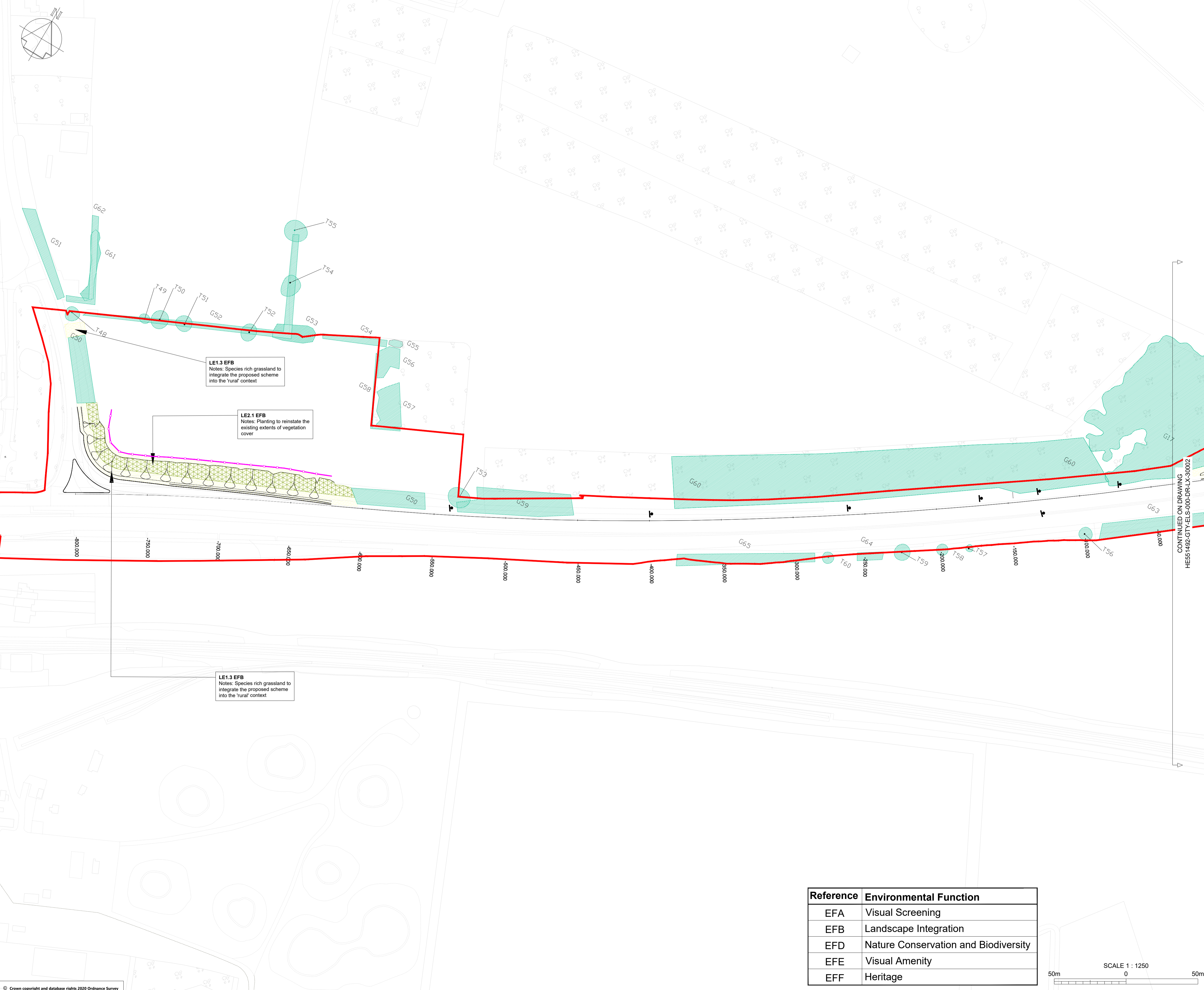
**ENVIRONMENTAL MASTERPLAN
KEY PLAN**

SUITABILITY

SUITABLE FOR STAGE APPROVAL

SHEET SIZE A1	SCALE 1:5000	STATUS S4	REVISION P01
DRAWING NUMBER HE551492-GTY-ELS-000-DR-LX-30100			





- NOTES**
1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 2. ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
HE551492-GTY-ELS-000-DR-LX-30002
HE551492-GTY-ELS-000-DR-LX-30003
HE551492-GTY-ELS-000-DR-LX-30004
HE551492-GTY-ELS-000-DR-LX-30005
 5. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
EXISTING VEGETATION	LE5.1 INDIVIDUAL TREES
ENVIRONMENTAL ELEMENTS	LE5.2 BANKS AND DITCHES
E2.1 SURFACE WATER ATTENUATION BASIN	LE5.3 COMMUNITY PROPOSED BENCH SEATING
E2.2 ECOLOGICAL PROTECTION MEASURES - BAT FLIGHT PATH	LE5.4 COUNTY
E2.3 ECOLOGICAL PROTECTION MEASURES - WATER ECOLOGICAL HABITAT ENHANCEMENT (EXISTING CHANNEL) / HABITAT CREATION (NEW REPOSED STREAM SECTION)	OTHER ELEMENTS
E2.5 REPTILE HABITAT ENHANCEMENT AREA	PROPOSED LIGHTING COLUMN LOCATION (REFER LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
COUNTY WILDLIFE SITE	PROPOSED SIGN LOCATIONS
GRADE II LISTED MILESTONE	3.5M HIGH BAT FENCE FORMED
EXISTING BARROWS	HIGHWAY BOUNDARY - TIMBER POST AND RAIL
INTERPRETATION PANEL	ACCOMMODATION WORKS FENCING - WIRE FENCE FENCE TYPE TO BE CONFIRMED
PROPOSED LANDSCAPE ELEMENTS	FALL PROTECTION FENCING - TIMBER POST AND RAIL
LE1.3 SPECIES RICH GRASSLAND	FIELD ACCESS GATE - STEEL SINGLE FIELD GATE
LE2.1 WOODLAND	FENCE SPECIFICATION EXTENDED TO ALLOW WATER VOLE PROOFING
LE2.8 SCRUB	EXISTING FENCELINE TO BE RETAINED
LE4.3 NATIVE SPECIES HEDGEROWS	

P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBia	FB
REV	DATE	REVISION NOTE	ORG	CHKD	APPD
DESIGNER					
CONTRACTOR					
CLIENT					
PROJECT TITLE					
PROJECT STAGE					
DRAWING TITLE					
SUITABILITY					
SHEET SIZE					
SCALE					
STATUS					
REVISION					
DRAWING NUMBER					

SWECO

GallifordTry

**highways
england**

A47/A11 THICKTHORN JUNCTION

PCF STAGE 3

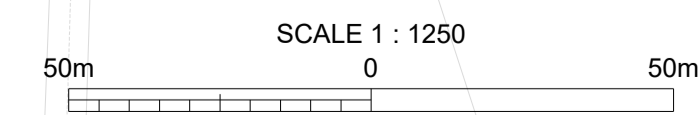
**ENVIRONMENTAL MASTERPLAN
SHEET 1 OF 5**

SUITABLE FOR STAGE APPROVAL

A1 **1:1250** **S4** **P01**

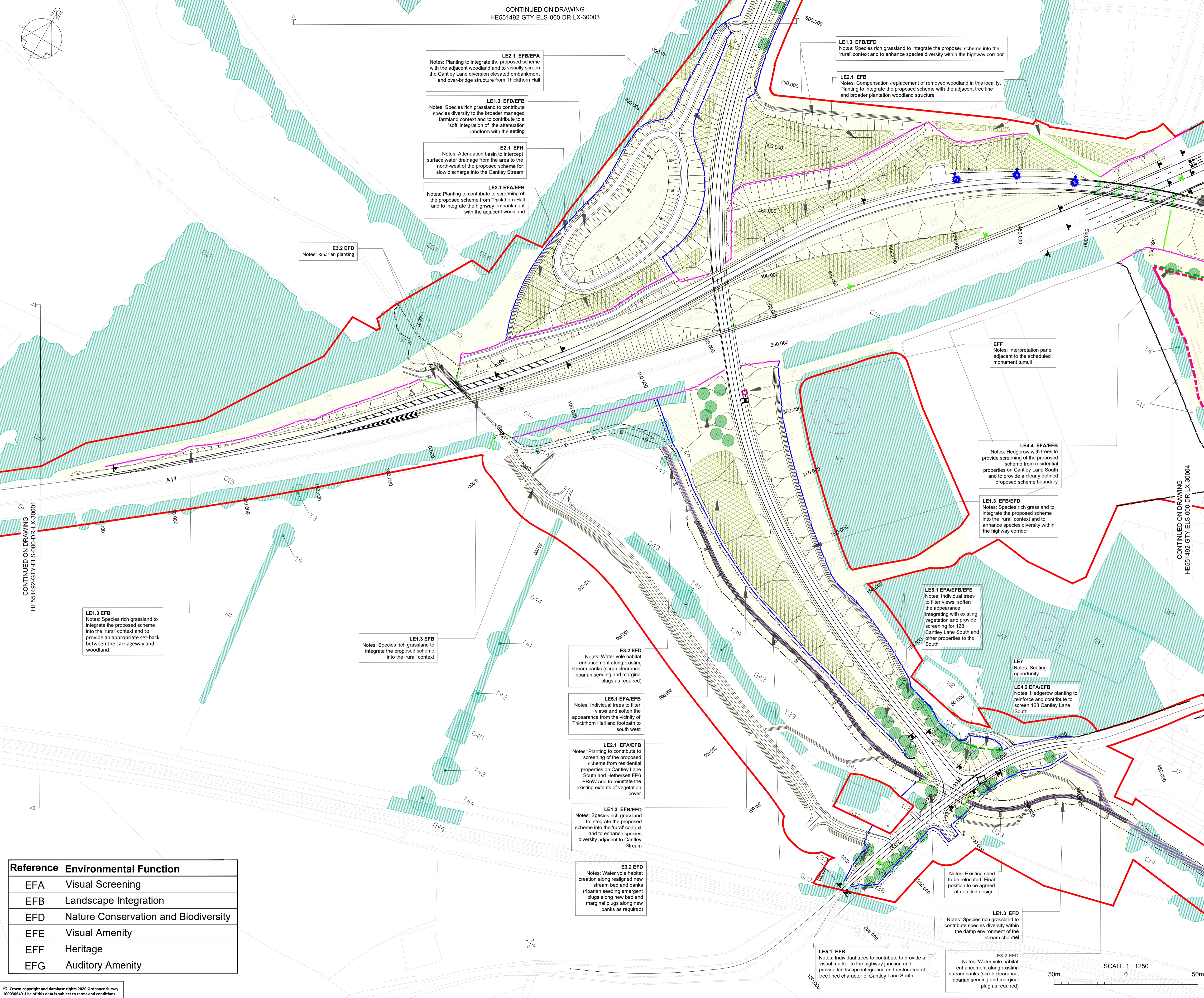
HE551492-GTY-ELS-000-DR-LX-30001

Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage



This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Ltd was commissioned. Sweco UK Ltd accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. This drawing has been prepared on behalf of Galliford Try by Sweco UK Ltd to the best of its knowledge and should not be relied upon or used for any other project without an independent check being carried out as to its suitability and prior written authority of Galliford Try being obtained. Sweco UK Ltd accepts no responsibility or liability for the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on this drawing for such other purpose agrees, and will by such use or reliance be taken to confirm his/her agreement, to indemnify Sweco UK Ltd for all loss or damage resulting therefrom.

CONTINUED ON DRAWING
HE551492-GTY-ELS-000-DR-LX-30003



- NOTES**
- THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 - ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 - DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
HE551492-GTY-ELS-000-DR-LX-30001
HE551492-GTY-ELS-000-DR-LX-30003
HE551492-GTY-ELS-000-DR-LX-30004
HE551492-GTY-ELS-000-DR-LX-30005
 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
EXISTING VEGETATION	LE5.1 INDIVIDUAL TREES
EXISTING VEGETATION TO BE RETAINED	LE6.2 BANKS AND DITCHES
ENVIRONMENTAL ELEMENTS	LE7 COMMUNITY PROPOSED BENCH SEATING
E2.1 SURFACE WATER ATTENUATION BASIN	OTHER ELEMENTS
E3.2.2 ECOLOGICAL PROTECTION MEASURES - BAT FLIGHT PATH	PROPOSED LIGHTING COLUMN LOCATION (REFER LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E3.2.4 ECOLOGICAL PROTECTION MEASURES - BATTLE HABITAT ENHANCEMENT (EXISTING QUARRY HABITAT CREATION (NEW RELOCATED STREAM SECTION))	PROPOSED SIGN LOCATIONS
E3.2.5 REFUGIUM HABITAT ENHANCEMENT AREA	3.5M HIGH BAT FENCE FORMED
COUNTY WILDLIFE SITE	HIGHWAY BOUNDARY - TIMBER POST AND RAIL
GRADE II LISTED MILESTONE	ACCOMMODATION WORKS FENCING - WIRE FENCE FENCE TYPE TO BE CONFIRMED
EXISTING BARRIERS	FALL PROTECTION FENCING - TIMBER POST AND RAIL
INTERPRETATION PANEL	FIELD ACCESS GATE - STEEL SINGLE FIELD GATE
PROPOSED LANDSCAPE ELEMENTS	FENCE SPECIFICATION EXTENDED TO ALLOW WATER VOLE PROOFING
LE1.1 SPECIES RICH GRASSLAND	EXISTING FENCELINE TO BE RETAINED
LE2.1 WOODLAND	
LE2.8 SCRUB	
LE4.3 NATIVE SPECIES HEDGEROWS	

P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBla	FB
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

GallifordTry

CLIENT

highways england

PROJECT TITLE
A47/A11 THICKTHORN JUNCTION

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
ENVIRONMENTAL MASTERPLAN SHEET 2 OF 5

SUITABILITY
SUITABLE FOR STAGE APPROVAL

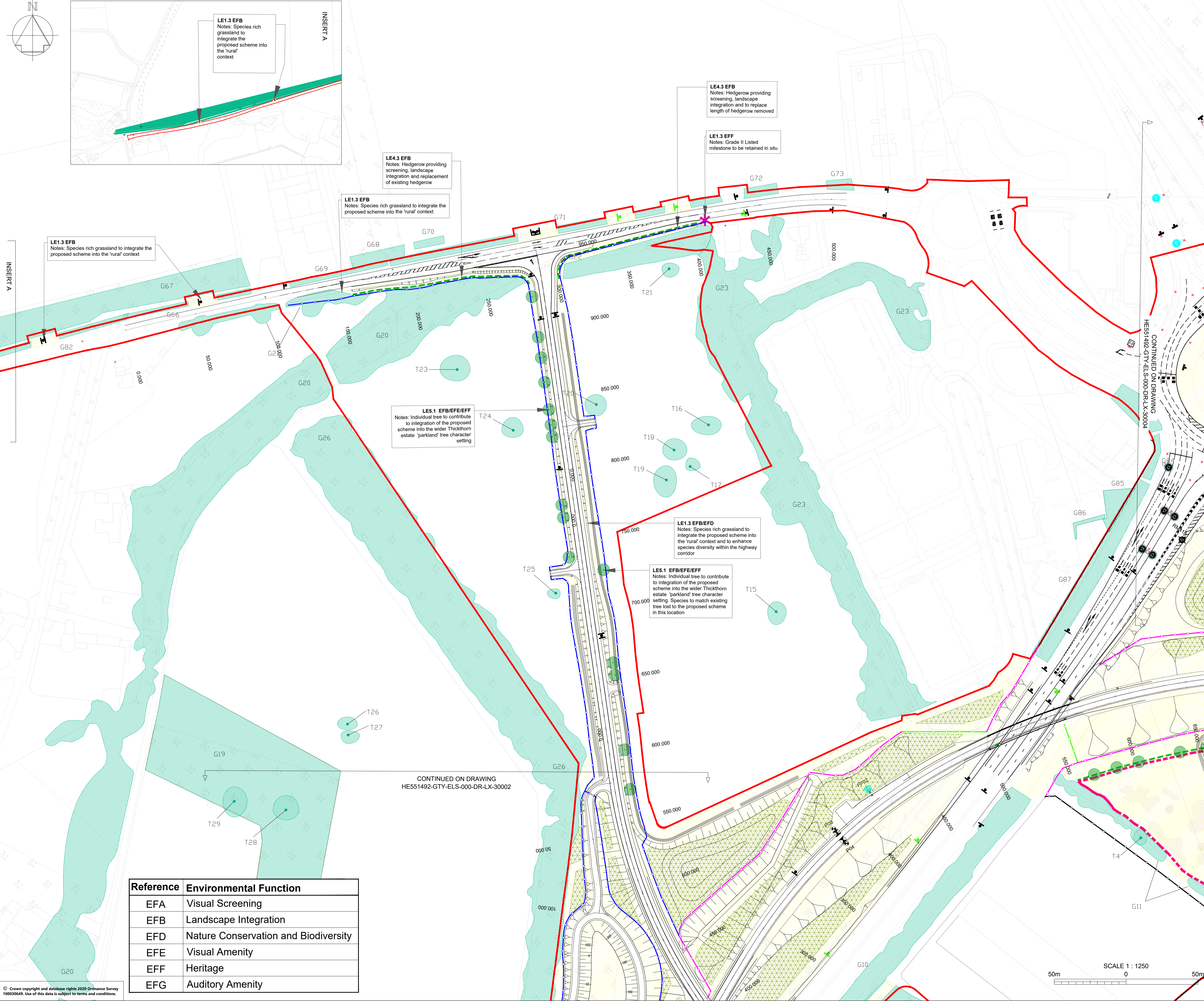
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S4	P01

DRAWING NUMBER
HE551492-GTY-ELS-000-DR-LX-30002

Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity

© Crown copyright and database rights 2020 Ordnance Survey 100030645. Use of this data is subject to terms and conditions.

This drawing should not be relied on or used in circumstances other than those for which it was originally prepared and for which Sweco UK Ltd was commissioned. Sweco UK Ltd accepts no responsibility for this drawing to any party other than the person by whom it was commissioned. This drawing has been prepared on behalf of Galliford Try by Sweco UK Ltd for the titled project or named part thereof and should not be relied upon or used for any other project without an independent check being carried out as to its suitability and prior written authority of Galliford Try being obtained. Sweco UK Ltd accepts no responsibility or liability for the consequences of this drawing being used for a purpose other than the purposes for which it was commissioned. Any person using or relying on this drawing for such other purpose agrees, and will by such use or reliance be taken to confirm his/her agreement, to indemnify Sweco UK Ltd for all loss or damage resulting therefrom.



- NOTES**
1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 2. ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
HE551492-GTY-ELS-000-DR-LX-30001
HE551492-GTY-ELS-000-DR-LX-30002
HE551492-GTY-ELS-000-DR-LX-30004
HE551492-GTY-ELS-000-DR-LX-30005
 5. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
EXISTING VEGETATION TO BE RETAINED	LE5.1 INDIVIDUAL TREES
ENVIRONMENTAL ELEMENTS	LE5.2 BANKS AND DITCHES
E2.1 SURFACE WATER ATTENUATION BASIN	LE5.3 COMMUNITY PROPOSED BENCH SEATING
E2.2 ECOLOGICAL PROTECTION MEASURES - BAT FLIGHT PATH	LE5.4 PROPOSED LIGHTING COLUMN LOCATION (REFER LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E2.3 ECOLOGICAL PROTECTION MEASURES - BAT HOP	LE5.5 PROPOSED SIGN LOCATIONS
E2.4 ECOLOGICAL PROTECTION MEASURES - WADLEYPOND HABITAT ENHANCEMENT (REFER STREAM SECTION)	COUNTY WILDLIFE SITE
E2.5 REPTILE HABITAT ENHANCEMENT AREA	GRADE II LISTED MILESTONE
COUNTY WILDLIFE SITE	INTERPRETATION PANEL
GRADE II LISTED MILESTONE	PROPOSED LANDSCAPE ELEMENTS
EXISTING BARRIERS	LE1.3 SPECIES RICH GRASSLAND
INTERPRETATION PANEL	LE2.1 WOODLAND
PROPOSED LANDSCAPE ELEMENTS	LE2.8 SCRUB
LE1.3 SPECIES RICH GRASSLAND	LE4.3 NATIVE SPECIES HEDGEROWS
LE2.1 WOODLAND	
LE2.8 SCRUB	
LE4.3 NATIVE SPECIES HEDGEROWS	

P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBla	FB
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47/A11 THICKTHORN JUNCTION

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
ENVIRONMENTAL MASTERPLAN SHEET 3 OF 5

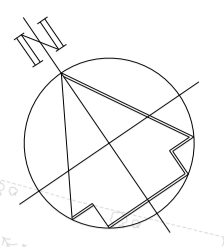
SUITABILITY
SUITABLE FOR STAGE APPROVAL

SHEET SIZE A1	SCALE 1:1250	STATUS S4	REVISION P01
-------------------------	------------------------	---------------------	------------------------

DRAWING NUMBER
HE551492-GTY-ELS-000-DR-LX-30003

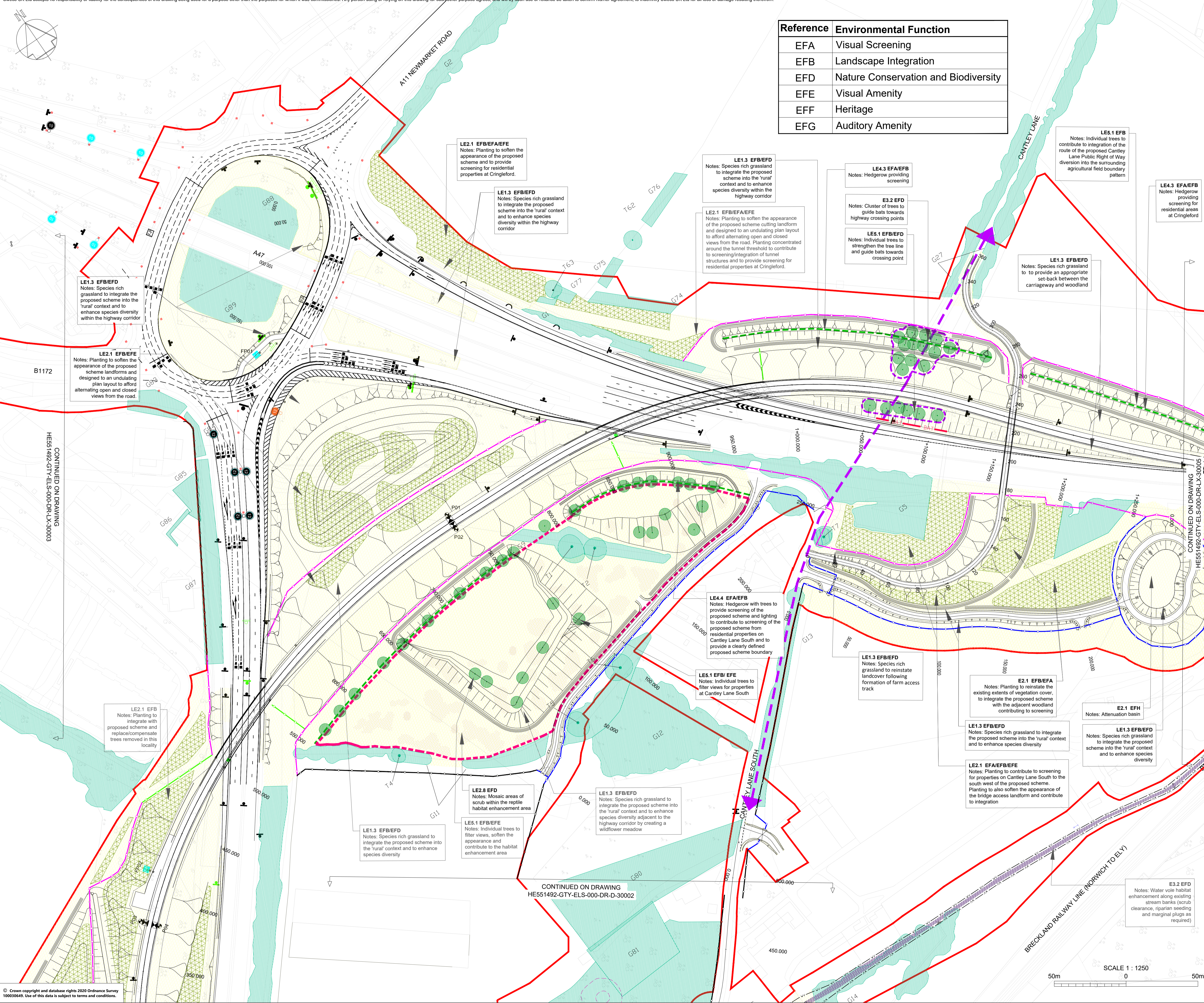
Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity

© Crown copyright and database rights 2020 Ordnance Survey 100036461. Use of this data is subject to terms and conditions.



Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity

- NOTES**
- THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 - ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 - DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
HE551492-GTY-ELS-000-DR-LX-30001
HE551492-GTY-ELS-000-DR-LX-30002
HE551492-GTY-ELS-000-DR-LX-30003
HE551492-GTY-ELS-000-DR-LX-30005
 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.



KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
EXISTING VEGETATION TO BE RETAINED	LE5.1 INDIVIDUAL TREES
EXISTING VEGETATION TO BE RETAINED	LE5.2 BANKS AND DITCHES
EXISTING VEGETATION TO BE RETAINED	LE5.3 COMMUNITY PROPOSED BENCH SEATING
EXISTING VEGETATION TO BE RETAINED	LE5.4 OTHER ELEMENTS
EXISTING VEGETATION TO BE RETAINED	LE5.5 PROPOSED LIGHTING COLUMN LOCATION (REFER LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
EXISTING VEGETATION TO BE RETAINED	LE5.6 PROPOSED SIGN LOCATIONS
EXISTING VEGETATION TO BE RETAINED	LE5.7 3.5M HIGH BAIT FENCE FORMED
EXISTING VEGETATION TO BE RETAINED	LE5.8 HIGHWAY BOUNDARY - TIMBER POST AND RAIL
EXISTING VEGETATION TO BE RETAINED	LE5.9 ACCOMMODATION WORKS FENCING - WIRE FENCE
EXISTING VEGETATION TO BE RETAINED	LE5.10 FENCE TYPE TO BE CONFIRMED
EXISTING VEGETATION TO BE RETAINED	LE5.11 FALL PROTECTION FENCING - TIMBER POST AND RAIL
EXISTING VEGETATION TO BE RETAINED	LE5.12 FIELD ACCESS GATE - STEEL SINGLE FIELD GATE
EXISTING VEGETATION TO BE RETAINED	LE5.13 FENCE SPECIFICATION EXTENDED TO ALLOW WATER VOLE PROOFING
EXISTING VEGETATION TO BE RETAINED	LE5.14 EXISTING FENCELINE TO BE RETAINED

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBlA	FB

DESIGNER



CONTRACTOR



CLIENT



PROJECT TITLE

A47/A11 THICKTHORN JUNCTION

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

ENVIRONMENTAL MASTERPLAN SHEET 4 OF 5

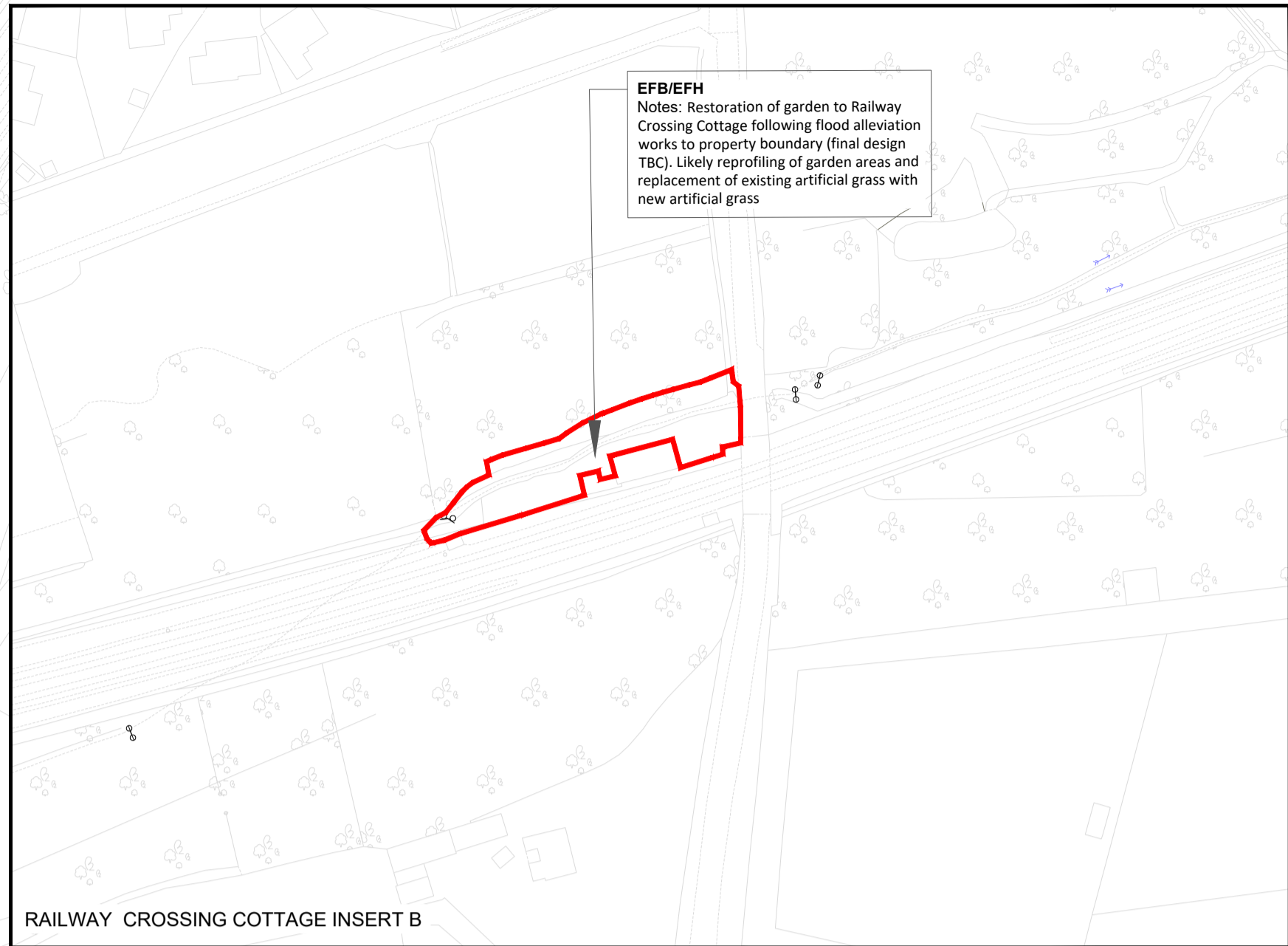
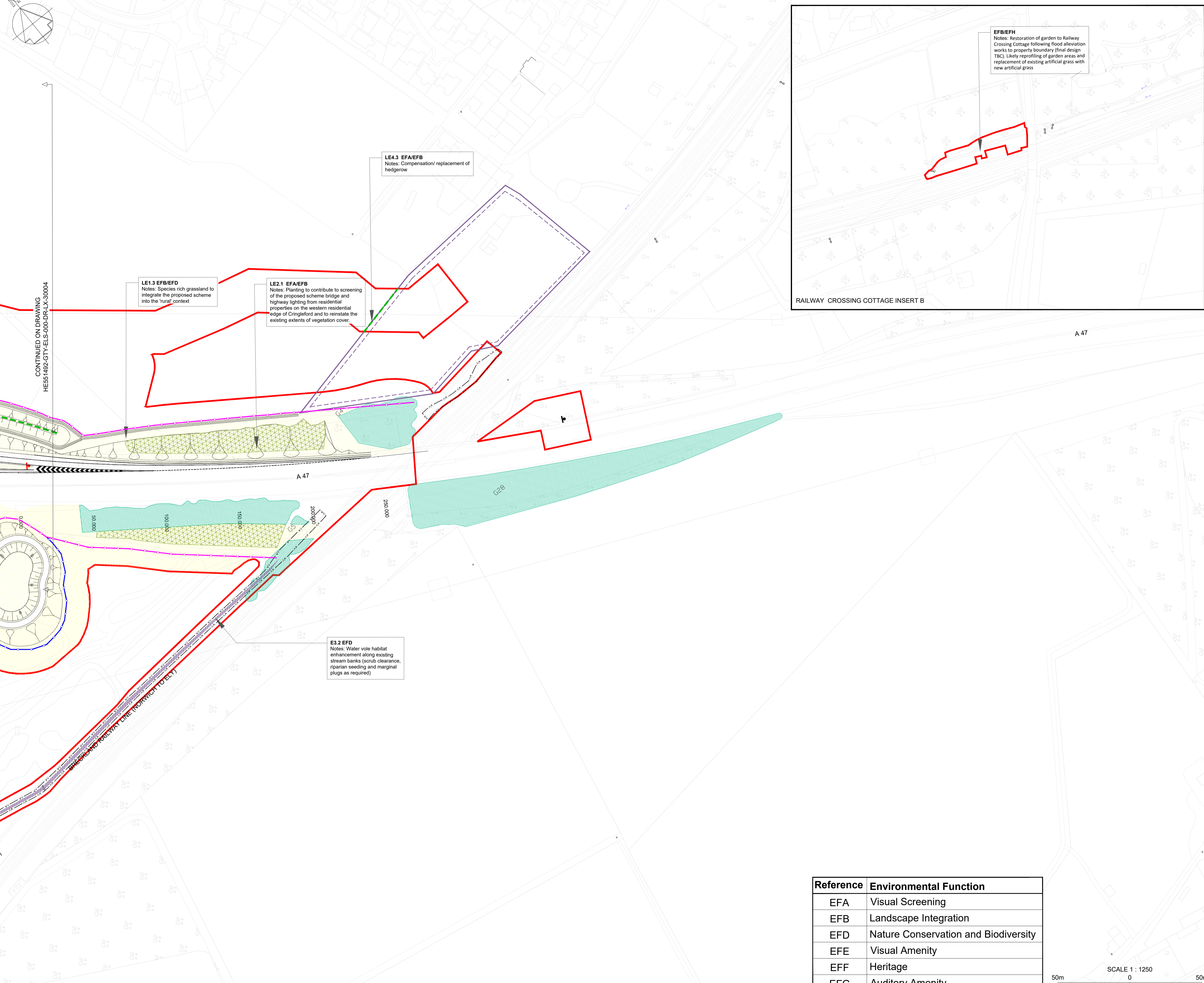
SUITABILITY

SUITABLE FOR STAGE APPROVAL

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S4	P01

DRAWING NUMBER

HE551492-GTY-ELS-000-DR-LX-30004



- NOTES**
1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 2. ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
HE551492-GTY-ELS-000-DR-LX-30001
HE551492-GTY-ELS-000-DR-LX-30002
HE551492-GTY-ELS-000-DR-LX-30003
HE551492-GTY-ELS-000-DR-LX-30004
 5. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
EXISTING VEGETATION TO BE RETAINED	LE5.1 INDIVIDUAL TREES
ENVIRONMENTAL ELEMENTS	LE6.2 BANKS AND DITCHES
E2.1 SURFACE WATER ATTENUATION BASIN	LE7.1 COMMUNITY PROPOSED BENCH SEATING
E2.2 ECOLOGICAL PROTECTION MEASURES - BAT FLIGHT PATH	OTHER ELEMENTS
E2.3 ECOLOGICAL PROTECTION MEASURES - BAT HOP	PROPOSED LIGHTING COLUMN LOCATION (REFER LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E2.4 ECOLOGICAL PROTECTION MEASURES - WATER VOLE HABITAT ENHANCEMENT (EXISTING CHANNEL HABITAT CREATION (NEW REPOSED STREAM SECTION))	PROPOSED SIGN LOCATIONS
E2.5 REPTILE HABITAT ENHANCEMENT AREA	3.5M HIGH BAT FENCE FORMED
COUNTY WILDLIFE SITE	HIGHWAY BOUNDARY - TIMBER POST AND RAIL
GRADE II LISTED MILESTONE	ACCOMMODATION WORKS FENCING - WIRE FENCE
EXISTING BARROWS	FENCE TYPE TO BE CONFIRMED
INTERPRETATION PANEL	FALL PROTECTION FENCING - TIMBER POST AND RAIL
PROPOSED LANDSCAPE ELEMENTS	FIELD ACCESS GATE - STEEL SINGLE FIELD GATE
LE1.3 SPECIES RICH GRASSLAND	FENCE SPECIFICATION EXTENDED TO ALLOW WATER VOLE PROOFING
LE2.1 WOODLAND	EXISTING FENCELINE TO BE RETAINED
LE2.8 SCRUB	
LE4.3 NATIVE SPECIES HEDGEROWS	

P01	15/03/21	FOR REVIEW & COMMENT	MHus	PBla	FB
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47/A11 THICKTHORN JUNCTION

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
ENVIRONMENTAL MASTERPLAN SHEET 5 OF 5

SUITABILITY
SUITABLE FOR STAGE APPROVAL

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	S4	P01

DRAWING NUMBER
HE551492-GTY-ELS-000-DR-LX-30005

Reference	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity

