

A47 North Tuddenham to Easton Dualling

Scheme Number: TR010038

Volume 6 **6.8 Environmental Masterplan**

APFP Regulation 5(2)(a)

Planning Act 2008

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

June 2021

Infrastructure Planning

Planning Act 2008

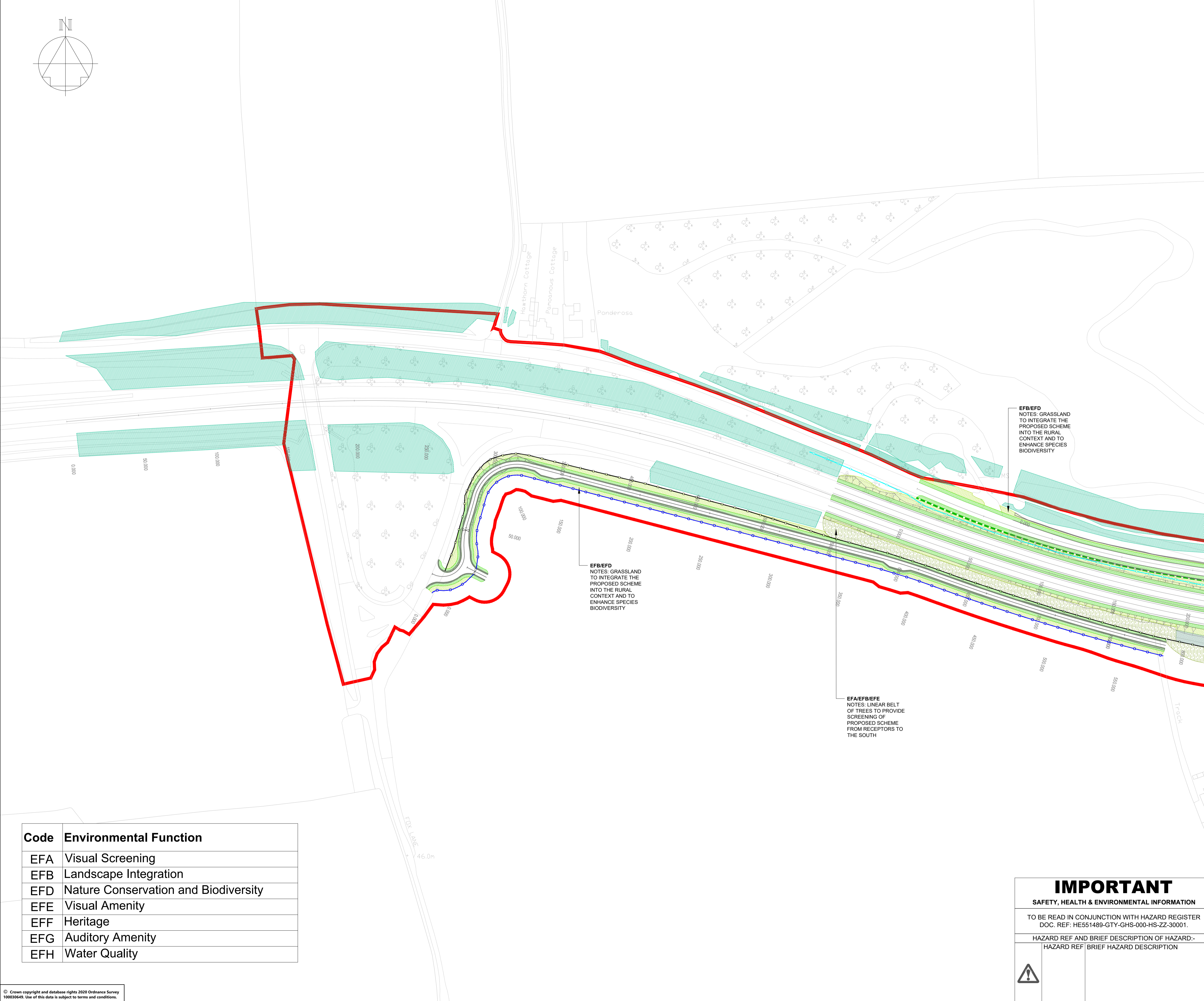
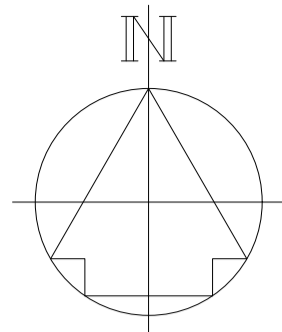
**The Infrastructure Planning
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The A47 North Tuddenham to Easton
Development Consent Order 202[x]

ENVIRONMENTAL MASTERPLAN

Regulation Number:	5(2)(a)
Planning Inspectorate Scheme Reference	TR010038
Application Document Reference	TR010038/APP/6.8
BIM Document Reference	HE551489-GTY-ELS-000-DR-LX-30003-C03
Author:	A47 North Tuddenham to Easton Dualling Project Team, Highways England

Version	Date	Status of Version
Rev 0	March 2021	Application Issue
Rev 1	June 2021	S51 Advice and S55 Checklist Amendment



- NOTES**
- A MAINTENANCE STRIP OF 1M (MINIMUM) WILL BE REQUIRED ON THE HIGHWAY SIDE OF ALL PROPOSED FENCING. TO BE PLANTED WITH SPECIES RICH GRASSLAND/AMENITY GRASS, WHERE APPROPRIATE. DETAILING WILL BE PROVIDED AT STAGE 5.
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 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
ORSTED HORNSSEA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXISTING STANDINGS SPECIES
EXISTING VEGETATION	LE6.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION PONDS	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT 1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H3 POST AND STRAINED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND	3m HIGH NOISE BARRIER
LE2.1 WOODLAND RIV (RIPARIAN WOODLAND)	BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.5 SHRUBS WITH INTERMITTENT TREES	FIELD ACCESS GATE - MCHW VOL. 3 SECT 1 H7 STEEL SINGLE FIELD GATE
LE2.6 SHRUBS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PASSAGE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
LE4.3 NATIVE SPECIES HEDGEROWS	

PO1	26/02/21	FOR ISSUE	LS	ECoo	BJon
PO2	03/03/21	FINAL	SWH	ECoo	BJon
CO1	03/03/21	FINAL	SWH	ECoo	BJon
PO3	04/03/21	FINAL	LS	JMee	BJon
CO2	04/03/21	FINAL	LS	JMee	BJon
PO4	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
CO3	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
REV	DATE	REVISION NOTE	ORG	CHKD	APPD

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

highways england

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

Environmental Masterplan Sheet 1 of 14 TR010038/APP/6.8

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER

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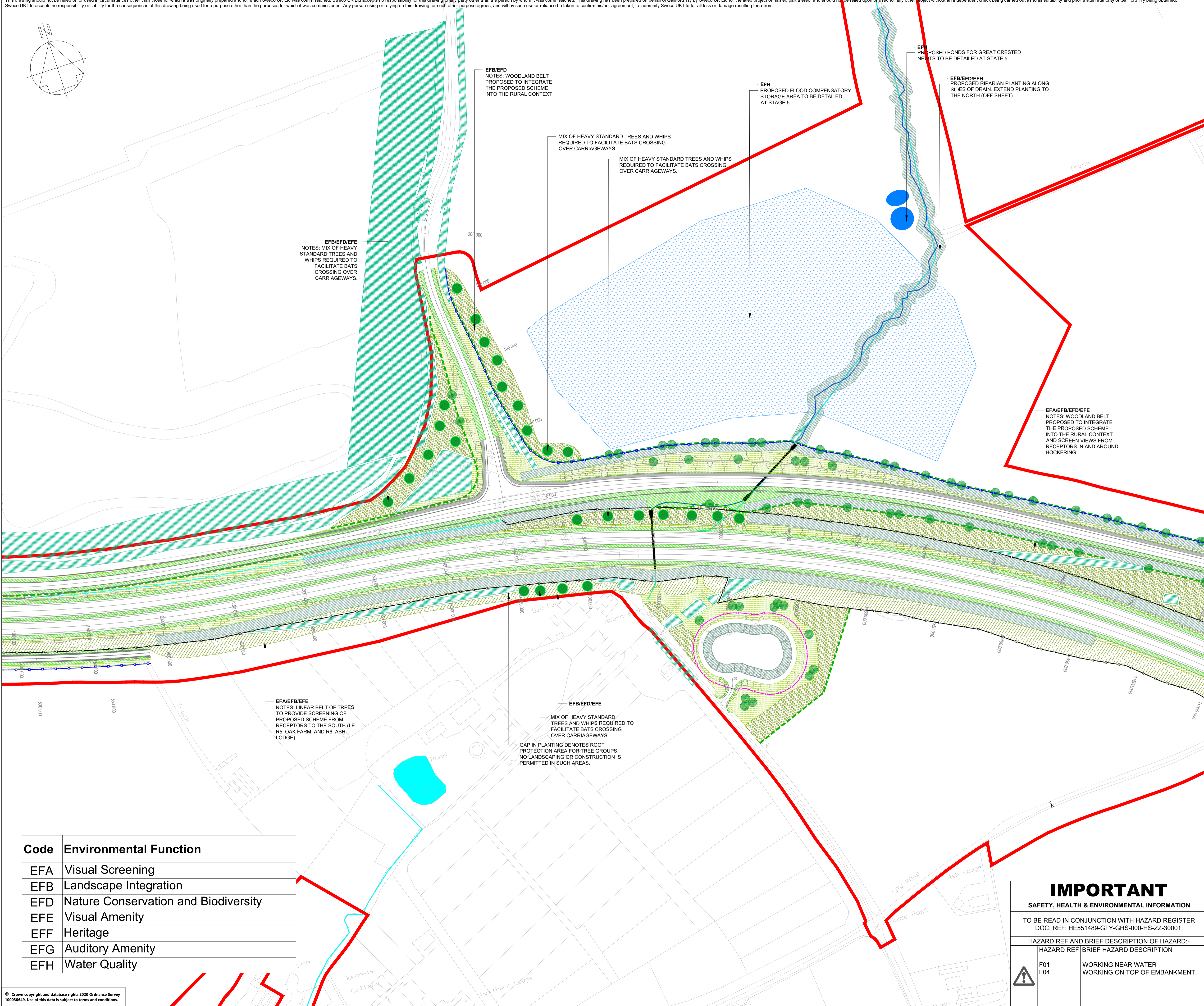
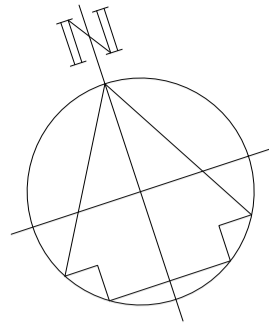
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EFA	Visual Screening
EFB	Landscape Integration
efd	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
EFH	Water Quality

IMPORTANT

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF DESCRIPTION OF HAZARD-
	BRIEF HAZARD DESCRIPTION



NOTES

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KEY TO SYMBOLS

DOO BOUNDARY	EXISTING VEGETATION TO BE RETAINED	PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LANDSCAPE ELEMENTS	LE4.4 NATIVE HEDGEROWS WITH TREES
CRISTED HORNSEA WIND FARM	EXISTING VEGETATION	ES 1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION POND	LE1.1 AMENITY GRASS AREAS	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED COMPENSATORY FLOOD STORAGE AREA	LE1.3 SPECIES RICH GRASSLAND	LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
EXISTING VEGETATION	PROPOSED LANDSCAPE ELEMENTS	LISTED MILESTONE	LE2.1 WOODLAND	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LANDSCAPE ELEMENTS	PROPOSED ENVIRONMENTAL ELEMENTS	LE2.1 WOODLAND RW (RIPARIAN WOODLAND)	PROPOSED ELEMENTS - OTHER
PROPOSED COMPENSATORY FLOOD STORAGE AREA	PROPOSED LANDSCAPE ELEMENTS	LISTED MILESTONE	LE2.4 LINEAR BELTS OF SHRUBS AND TREES	PROPOSED LIGHTING COLUMN LOCATION - REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION
LISTED MILESTONE	PROPOSED LANDSCAPE ELEMENTS	PROPOSED ENVIRONMENTAL ELEMENTS	LE2.5 SHRUBS WITH INTERMITTENT TREES	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
PROPOSED LANDSCAPE ELEMENTS	PROPOSED LANDSCAPE ELEMENTS	PROPOSED ENVIRONMENTAL ELEMENTS	LE2.6 SHRUBS	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H13 POST AND STRAINED WIRE
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DESIGNER

CONTRACTOR

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PROJECT TITLE

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Environmental Masterplan Sheet 2 of 14 TR010038/APP/6.8

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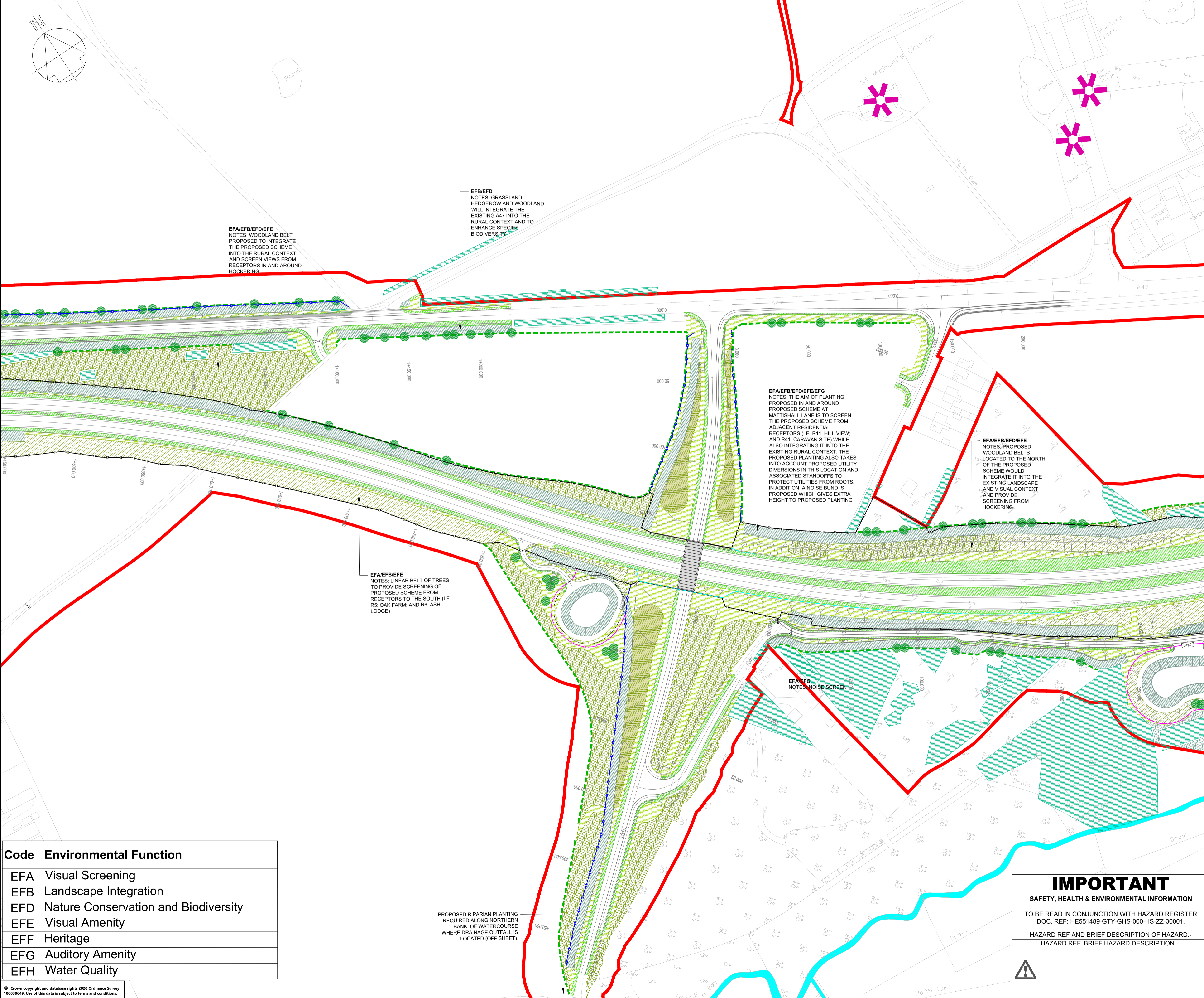
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HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:-

HAZARD REF	BRIEF HAZARD DESCRIPTION
F01	WORKING NEAR WATER
F04	WORKING ON TOP OF EMBANKMENT



EFA/EFB/EFD/EFE
 NOTES: WOODLAND BELT PROPOSED TO INTEGRATE THE PROPOSED SCHEME INTO THE RURAL CONTEXT AND SCREEN VIEWS FROM RECEPTORS IN AND AROUND HOCKERING

EFB/EFD
 NOTES: GRASSLAND, HEDGEROW AND WOODLAND WILL INTEGRATE THE EXISTING A47 INTO THE RURAL CONTEXT AND TO ENHANCE SPECIES BIODIVERSITY

EFA/EFB/EFD/EFE/EFG
 NOTES: THE AIM OF PLANTING PROPOSED IN AND AROUND PROPOSED SCHEME AT MATTISHALL LANE IS TO SCREEN THE PROPOSED SCHEME FROM ADJACENT RESIDENTIAL RECEPTORS (I.E. R11: HILL VIEW; AND R41: CARAVAN SITE) WHILE ALSO INTEGRATING IT INTO THE EXISTING RURAL CONTEXT. THE PROPOSED PLANTING ALSO TAKES INTO ACCOUNT PROPOSED UTILITY DIVERSIONS IN THIS LOCATION AND ASSOCIATED STANDOFFS TO PROTECT UTILITIES FROM ROOTS. IN ADDITION, A NOISE BUND IS PROPOSED WHICH GIVES EXTRA HEIGHT TO PROPOSED PLANTING

EFA/EFB/EFD/EFE
 NOTES: PROPOSED WOODLAND BELTS LOCATED TO THE NORTH OF THE PROPOSED SCHEME WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM HOCKERING

EFA/EFB/EFE
 NOTES: LINEAR BELT OF TREES TO PROVIDE SCREENING OF PROPOSED SCHEME FROM RECEPTORS TO THE SOUTH (I.E. R5: OAK FARM; AND R6: ASH LODGE)

PROPOSED RIPARIAN PLANTING REQUIRED ALONG NORTHERN BANK OF WATERCOURSE WHERE DRAINAGE OUTFALL IS LOCATED (OFF SHEET).

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
efd	Nature Conservation and Biodiversity
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KEY TO SYMBOLS

SYMBOL	DESCRIPTION
[Red line]	DCO BOUNDARY
[Blue hatched area]	CRISTED HORNESEA WIND FARM
[Yellow hatched area]	EXISTING PUBLIC RIGHT OF WAY
[Green hatched area]	EXISTING VEGETATION
[Green circle]	EXISTING VEGETATION TO BE RETAINED
[Blue circle]	PROPOSED ENVIRONMENTAL ELEMENTS
[Blue square]	ES.1 WATER POLLUTION CONTROL MEASURES - SITEREVEGETATION TRAP POND
[Blue rectangle]	PROPOSED COMPENSATORY FLOOD STORAGE AREA
[Pink star]	LISTED MILESTONE
[Green hatched area]	PROPOSED LANDSCAPE ELEMENTS
[Light green hatched area]	LE1.1 AMENITY GRASS AREAS
[Medium green hatched area]	LE1.3 SPECIES RICH GRASSLAND
[Dark green hatched area]	LE2.1 WOODLAND
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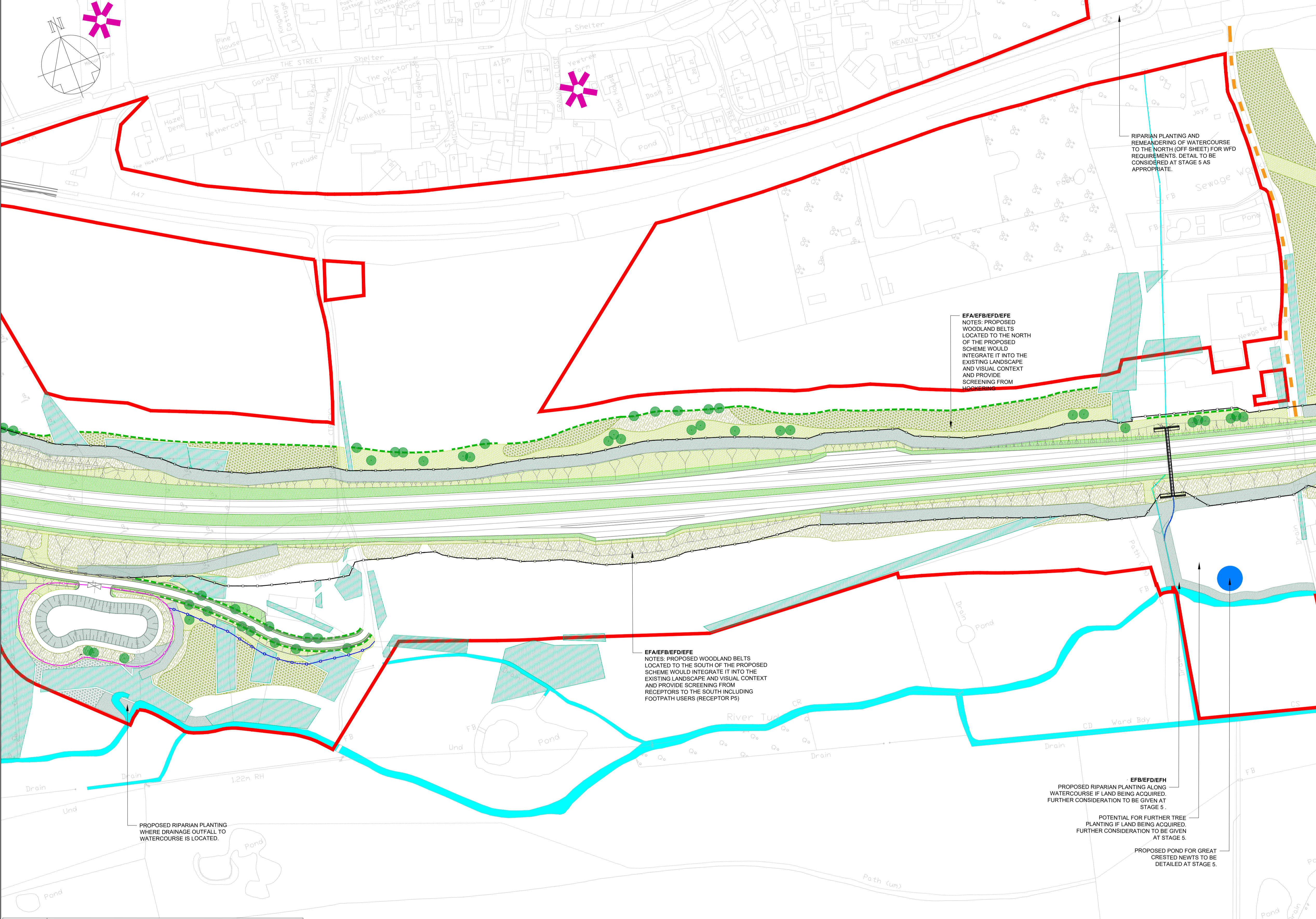
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HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:-
 HAZARD REF: BRIEF HAZARD DESCRIPTION

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 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DDOO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
CRISTED HORNSEA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
EXISTING VEGETATION	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED ELEMENTS - OTHER
PROPOSED WATER POLLUTION CONTROL MEASURES - ATTENUATION/FILTRATION PONDS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
PROPOSED COMPENSATORY FLOOD STORAGE	HIGHWAY BOUNDARY - MCHW VOL.3 SECT.1 HD3 TIMBER POST AND RAIL
LISTED MILESTONE	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - HD3 POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BADGER PROOF FENCING - HD3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE2.1 WOODLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND RW (RIPARIAN WOODLAND)	3m HIGH NOISE BARRIER
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	BASIN FENCING - MCHW HD3 POST AND STRAINED WIRE
LE2.5 SHRUBS WITH INTERMITTENT TREES	ANTI GLARE SCREEN - 3m HIGH CLOSE BOARDED FENCE
LE2.6 SHRUBS	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 HD3 STEEL SINGLE FIELD GATE
LE4.3 NATIVE SPECIES HEDGEROWS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	26/02/21	FOR ISSUE	LS	ECoo	BJon
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C01	03/03/21	FINAL	SWI	ECoo	BJon
P03	04/03/21	FINAL	LS	JMee	BJon
C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
Environmental Masterplan Sheet 4 of 14 TR010038/APP/6.8

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

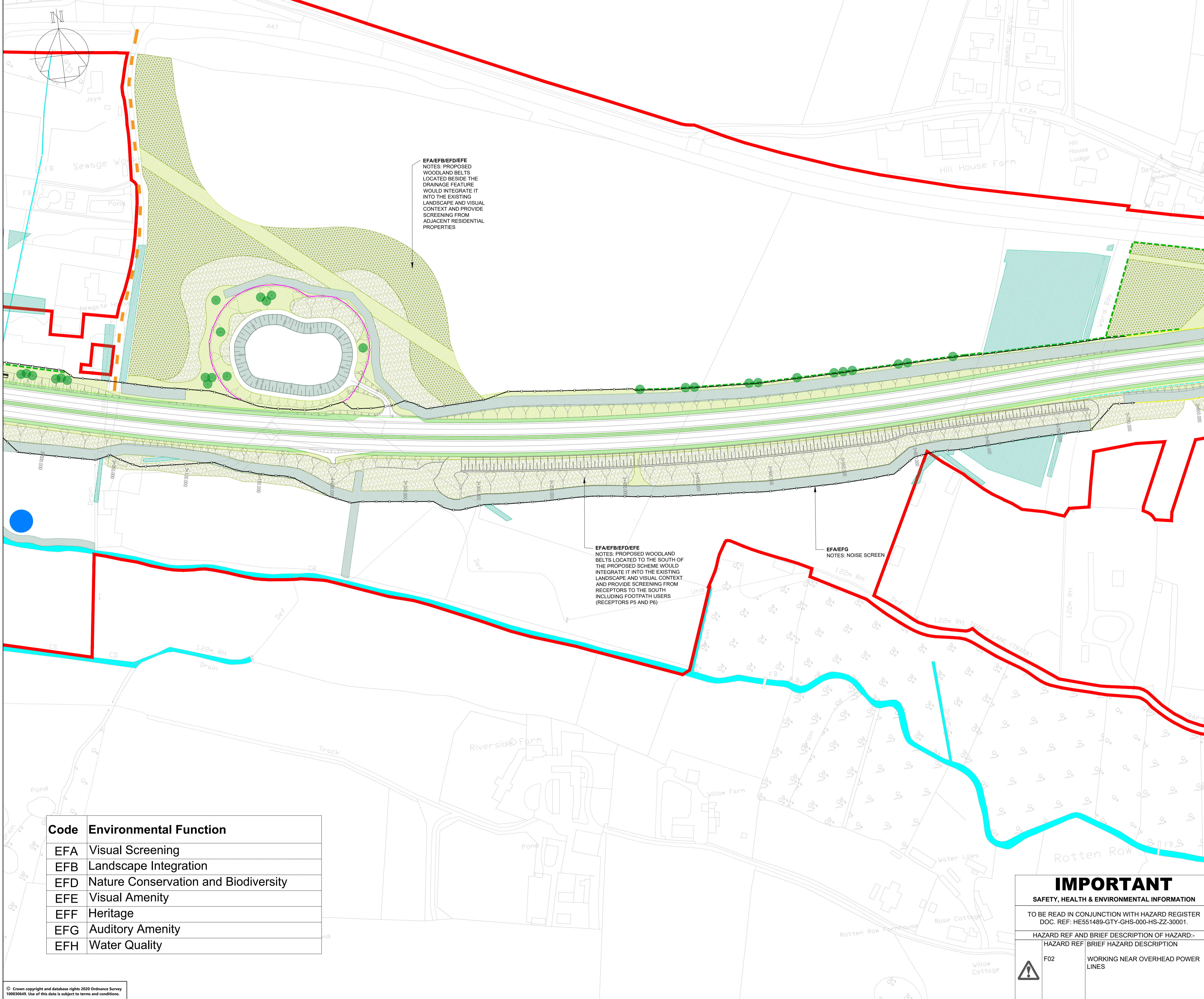
DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30006

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

IMPORTANT
SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF HAZARD DESCRIPTION
F02	WORKING NEAR OVERHEAD POWER LINES

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EFA/EFB/EFD/EFE
 NOTES: PROPOSED WOODLAND BELTS LOCATED BESIDE THE DRAINAGE FEATURE WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM ADJACENT RESIDENTIAL PROPERTIES

EFA/EFB/EFD/EFE
 NOTES: PROPOSED WOODLAND BELTS LOCATED TO THE SOUTH OF THE PROPOSED SCHEME WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM RECEPTORS TO THE SOUTH INCLUDING FOOTPATH USERS (RECEPTORS P5 AND P6)

EFA/EFG
 NOTES: NOISE SCREEN

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**
- A MAINTENANCE STRIP OF 1M (MINIMUM) WILL BE REQUIRED ON THE HIGHWAY SIDE OF ALL PROPOSED FENCING. TO BE PLANTED WITH SPECIES RICH GRASSLAND/AMENITY GRASS, WHERE APPROPRIATE. DETAILING WILL BE PROVIDED AT STAGE 5.
 - ALL AREAS OF PROPOSED WOODLAND, LINEAR BELTS OF SHRUBS AND TREES, SHRUBS WITH INTERMITTENT TREES, AND SHRUBS TO BE PLANTED WITH SPECIES RICH GRASSLAND. ALL AREAS OF RIPARIAN WOODLAND TO BE PLANTED WITH RIPARIAN SEEDING MIX. SEE PLANTING SCHEDULE FOR FURTHER DETAILS.
 - ALL STATS CORRIDORS ARE INDICATIVE ONLY AND WILL BE FINALISED AT THE DETAILED DESIGN STAGE.
 - 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:
 HE551489-GTY-ELS-000-DR-LX-30003
 HE551489-GTY-ELS-000-DR-LX-30004
 HE551489-GTY-ELS-000-DR-LX-30005
 HE551489-GTY-ELS-000-DR-LX-30006
 HE551489-GTY-ELS-000-DR-LX-30008
 HE551489-GTY-ELS-000-DR-LX-30009
 HE551489-GTY-ELS-000-DR-LX-30010
 HE551489-GTY-ELS-000-DR-LX-30011
 HE551489-GTY-ELS-000-DR-LX-30012
 HE551489-GTY-ELS-000-DR-LX-30013
 HE551489-GTY-ELS-000-DR-LX-30014
 HE551489-GTY-ELS-000-DR-LX-30015
 HE551489-GTY-ELS-000-DR-LX-30016
 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DDO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
ORSTED HORNSEA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EITHER HEAVY OR LIGHT SPECIES
EXISTING VEGETATION	LE6.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION POND	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H13 POST AND STRAINED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H13 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.1 WOODLAND	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 H17 STEEL SINGLE FIELD GATE
LE2.1 WOODLAND RW (RIPARIAN WOODLAND)	4.5m WIDE SINGLE HEAVY DUTY TIMBER PAUSAIDE GATE, GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
LE2.2 SHRUBS WITH INTERMITTENT TREES	
LE2.6 SHRUBS	
LE4.3 NATIVE SPECIES HEDGEROWS	

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	26/02/21	FOR ISSUE	LS	ECo	BJon
P02	03/03/21	FINAL	SWH	ECo	BJon
C01	03/03/21	FINAL	SWH	ECo	BJon
P03	04/03/21	FINAL	LS	JMee	BJon
C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

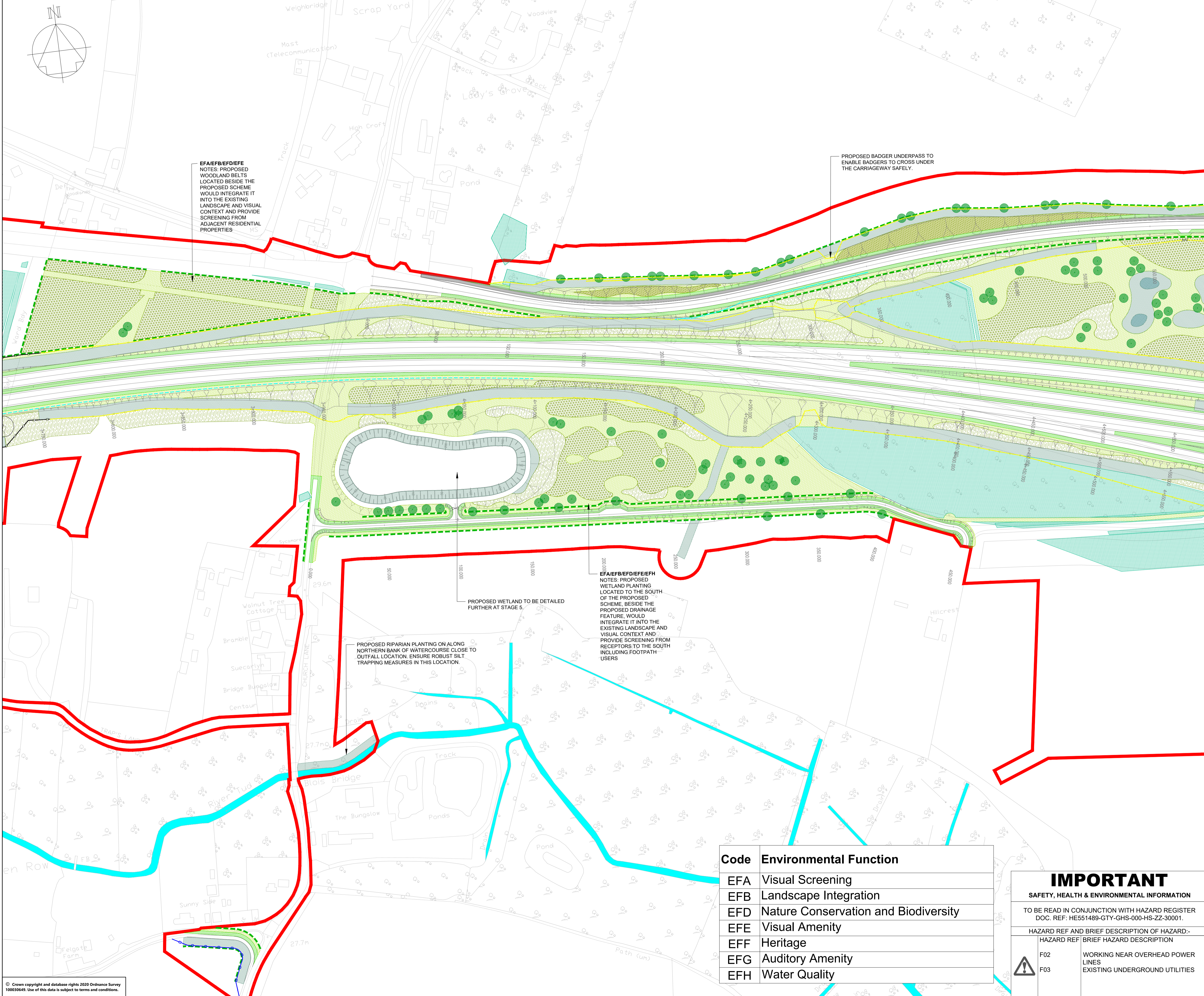
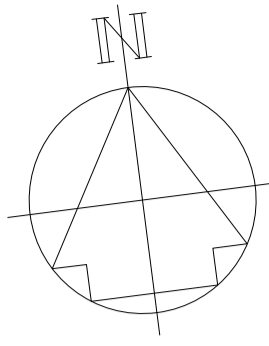
DRAWING TITLE
Environmental Masterplan Sheet 5 of 14 TR010038/APP/6.8

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30007

IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
 TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.
 HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:
 HAZARD REF: F02
 BRIEF HAZARD DESCRIPTION: WORKING NEAR OVERHEAD POWER LINES



EFA/EFB/EFD/EFE
 NOTES: PROPOSED WOODLAND BELTS LOCATED BESIDE THE PROPOSED SCHEME WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM ADJACENT RESIDENTIAL PROPERTIES

PROPOSED BADGER UNDERPASS TO ENABLE BADGERS TO CROSS UNDER THE CARRIAGEWAY SAFELY.

PROPOSED RIPARIAN PLANTING ON ALONG NORTHERN BANK OF WATERCOURSE CLOSE TO OUTFALL LOCATION. ENSURE ROBUST SILT TRAPPING MEASURES IN THIS LOCATION.

PROPOSED WETLAND TO BE DETAILED FURTHER AT STAGE 5.

EFG/EFH
 NOTES: PROPOSED WETLAND PLANTING LOCATED TO THE SOUTH OF THE PROPOSED SCHEME, BESIDE THE PROPOSED DRAINAGE FEATURE, WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM RECEPTORS TO THE SOUTH INCLUDING FOOTPATH USERS

- NOTES**
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 HE551489-GTY-ELS-000-DR-LX-30003
 HE551489-GTY-ELS-000-DR-LX-30004
 HE551489-GTY-ELS-000-DR-LX-30005
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 HE551489-GTY-ELS-000-DR-LX-30015
 HE551489-GTY-ELS-000-DR-LX-30016
 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

	DDO BOUNDARY		LE4.1 NATIVE HEDGEROWS WITH TREES
	EXISTING HORNSEA WIND FARM		LE5.1 INDIVIDUAL TREES
	EXISTING PUBLIC RIGHT OF WAY		LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
	EXISTING VEGETATION		LE6.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
	EXISTING VEGETATION TO BE RETAINED		PROPOSED ELEMENTS - OTHER
	PROPOSED ENVIRONMENTAL ELEMENTS		PROPOSED LIGHTING COLUMN LOCATION
	LE1.1 WATER POLLUTION CONTROL MEASURES - 115 TREATMENT/RETENTION POND		REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION
	PROPOSED COMPENSATORY FLOOD STORAGE AREA		HIGHWAY BOUNDARY - MCHW VOL. 3 SECT 1 H3 TIMBER POST AND RAIL
	LISTED MILESTONE		LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H3 POST AND STRAINED WIRE
	PROPOSED LANDSCAPE ELEMENTS		BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
	LE1.1 AMENITY GRASS AREAS		BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
	LE2.1 GRASSLAND		BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
	LE2.1 WOODLAND		2m HIGH NOISE AND VISUAL SCREEN
	LE2.1 WOODLAND RHW (RIPARIAN WOODLAND)		3m HIGH NOISE BARRIER
	LE2.4 LINEAR BELTS OF SHRUBS AND TREES		BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE
	LE2.5 SHRUBS WITH INTERMITTENT TREES		ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
	LE2.6 SHRUBS		FIELD ACCESS GATE - MCHW VOL. 3 SECT 1 H17 STEEL SINGLE FIELD GATE
	LE4.3 NATIVE SPECIES HEDGEROWS		4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	26/02/21	FOR ISSUE	LS	ECoo	BJon
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C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
 Environmental Masterplan Sheet 6 of 14
 TR010038/APP/6.8

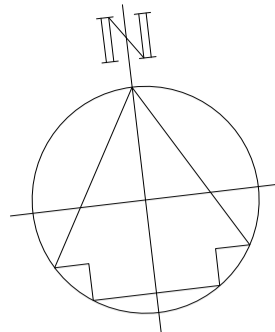
SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03
DRAWING NUMBER			
HE551489-GTY-ELS-000-DR-LX-30008			

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

IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
 TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF HAZARD DESCRIPTION
F02	WORKING NEAR OVERHEAD POWER LINES
F03	EXISTING UNDERGROUND UTILITIES



Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
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NOTES

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HE551489-GTY-ELS-000-DR-LX-30003
HE551489-GTY-ELS-000-DR-LX-30005
HE551489-GTY-ELS-000-DR-LX-30006
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HE551489-GTY-ELS-000-DR-LX-30016
- FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DDD BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
CRISTED HORSESHOE WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS*
EXISTING VEGETATION	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	LE6.2 NATIVE SPECIES HEDGEROWS
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E2.1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/FILTRATION PONDS	HIGHWAY BOUNDARY - MCHW VOL.3 SECT.1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H15 POST AND STRAINED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND	3m HIGH NOISE BARRIER
LE2.1 WOODLAND ROW (RIPARIAN WOODLAND)	BASH FENCING - MCHW HCD H13 POST AND STRAINED WIRE
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 3m HIGH CLOSE BOARDED FENCE
LE2.5 SHRUBS WITH INTERMITTENT TREES	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 H17 STEEL SINGLE FIELD GATE
LE2.6 SHRUBS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
LE4.3 NATIVE SPECIES HEDGEROWS	

EFA/EFB/EFD/EFE
NOTES: PROPOSED WOODLAND BELTS LOCATED BESIDE THE PROPOSED SCHEME WOULD INTEGRATE IT INTO THE EXISTING LANDSCAPE AND VISUAL CONTEXT AND PROVIDE SCREENING FROM VISUAL RECEPTORS IN THE VICINITY OF THE WOOD LANE JUNCTION

EFA/EFB/EFD/EFE
NOTES: PROPOSED WOODLAND BELTS LOCATED BESIDE THE WOOD LANE JUNCTION PROVIDES SPACE FOR A PROPOSED PEDESTRIAN ROUTE WHILE SCREENING VIEWS FROM ADJACENT RECEPTORS

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	26/02/21	FOR ISSUE	LS	ECoo	BJon
P02	03/03/21	FINAL	SWR	ECoo	BJon
C01	03/03/21	FINAL	SWR	ECoo	BJon
P03	04/03/21	FINAL	LS	JMee	BJon
C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

Environmental Masterplan Sheet 7 of 14
TR010038/APP/6.8

SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER

HE551489-GTY-ELS-000-DR-LX-30009

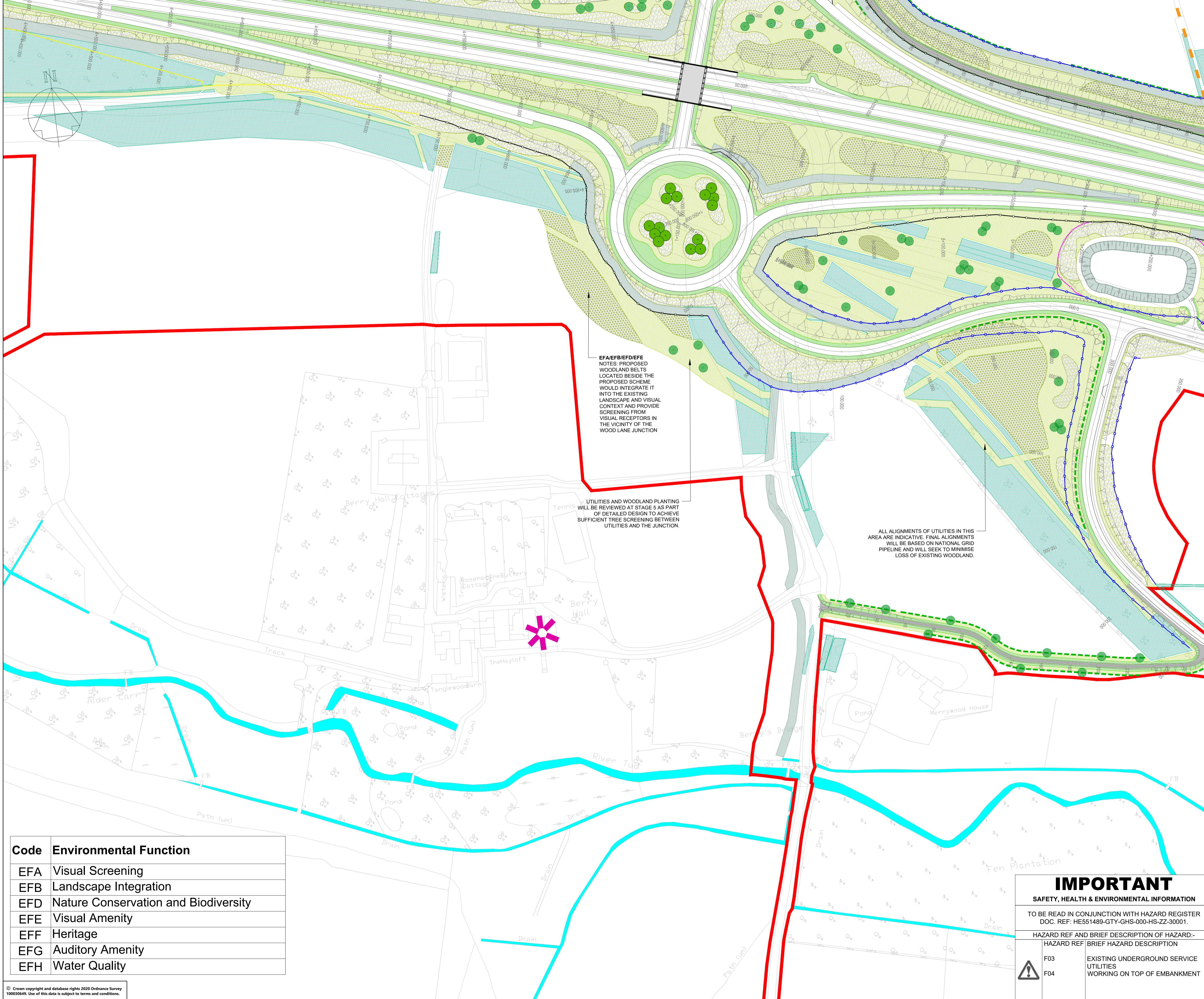
IMPORTANT

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

TO BE READ IN CONJUNCTION WITH HAZARD REGISTER
DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:-
HAZARD REF: BRIEF HAZARD DESCRIPTION

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 use of Galliford Try on the project named in the title block and should not be 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 of reliance be taken to confirm his/her agreement as to the use of Sweco UK Ltd for all loss or damage resulting therefrom.



EFAEFBIEFIEFE
 NOTES: PROPOSED
 WOODLAND BELTS
 LOCATED BESIDE THE
 PROPOSED SCHEME
 WOULD INTEGRATE IT
 INTO THE EXISTING
 LANDSCAPE AND VISUAL
 CONTEXT AND PROVIDE
 SCREENING FROM
 VISUAL RECEPTORS IN
 THE VICINITY OF THE
 WOOD LANE JUNCTION

UTILITIES AND WOODLAND PLANTING
 WILL BE REVIEWED AT STAGE 5 AS PART
 OF DETAILED DESIGN TO ACHIEVE
 SUFFICIENT TREE SCREENING BETWEEN
 UTILITIES AND THE JUNCTION.

ALL ALIGNMENTS OF UTILITIES IN THIS
 AREA ARE INDICATIVE. FINAL ALIGNMENTS
 WILL BE BASED ON NATIONAL GRID
 PIPELINE AND WILL SEEK TO MINIMISE
 LOSS OF EXISTING WOODLAND.

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**
- A MAINTENANCE STRIP OF 1M (MINIMUM) WILL BE REQUIRED ON THE HIGHWAY SIDE OF ALL PROPOSED FENCING. TO BE PLANTED WITH SPECIES RICH GRASSLAND AND NITROGEN FIXING GRASS, WHERE APPROPRIATE. DETAILING WILL BE PROVIDED AT STAGE 5.
 - ALL AREAS OF PROPOSED WOODLAND, LINEAR BELTS OF SHRUBS AND TREES, SHRUBS WITH INTERMITTENT TREES, AND SHRUBS TO BE PLANTED WITH SPECIES RICH GRASSLAND. ALL AREAS OF RIPARIAN WOODLAND TO BE PLANTED WITH RIPARIAN SEEDING MIX. SEE PLANTING SCHEDULE FOR FURTHER DETAILS.
 - ALL STAGS CORRIDORS ARE INDICATIVE ONLY AND WILL BE FINALISED AT THE DETAILED DESIGN STAGE.
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 - ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 - DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
 HE551489-GTY-ELS-000-DR-LX-30003
 HE551489-GTY-ELS-000-DR-LX-30004
 HE551489-GTY-ELS-000-DR-LX-30005
 HE551489-GTY-ELS-000-DR-LX-30006
 HE551489-GTY-ELS-000-DR-LX-30007
 HE551489-GTY-ELS-000-DR-LX-30008
 HE551489-GTY-ELS-000-DR-LX-30009
 HE551489-GTY-ELS-000-DR-LX-30011
 HE551489-GTY-ELS-000-DR-LX-30012
 HE551489-GTY-ELS-000-DR-LX-30013
 HE551489-GTY-ELS-000-DR-LX-30014
 HE551489-GTY-ELS-000-DR-LX-30015
 HE551489-GTY-ELS-000-DR-LX-30016
 FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

SYMBOL	DESCRIPTION
[Red line]	DDO BOUNDARY
[Hatched area]	EXISTING HORNSSEA WIND FARM
[Orange line]	EXISTING PUBLIC RIGHT OF WAY
[Blue line]	EXISTING VEGETATION
[Green line]	EXISTING VEGETATION TO BE RETAINED
[Blue circle]	ES 1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/FILTRATION PONDS
[Blue square]	PROPOSED COMPENSATORY FLOOD STORAGE AREA
[Pink star]	LISTED MILESTONE
[Green hatched]	PROPOSED LANDSCAPE ELEMENTS
[Light green hatched]	LE1 1 AMENITY GRASS AREAS
[Light green hatched]	LE1 3 SPECIES RICH GRASSLAND
[Light green hatched]	LE2 1 WOODLAND
[Light green hatched]	LE2 1 WOODLAND RW (RIPARIAN WOODLAND)
[Light green hatched]	LE2 4 LINEAR BELTS OF SHRUBS AND TREES
[Light green hatched]	LE2 5 SHRUBS WITH INTERMITTENT TREES
[Light green hatched]	LE2 6 SHRUBS
[Light green hatched]	LE4 3 NATIVE SPECIES HEDGEROWS
[Green circle]	LE4 4 NATIVE HEDGEROWS WITH TREES
[Green circle]	LE5 1 INDIVIDUAL TREES
[Green circle]	LE5 1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
[Green circle]	LE5 2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
[Green circle]	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
[Blue line]	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
[Blue line]	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H3 POST AND STRAINED WIRE
[Blue line]	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
[Blue line]	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
[Blue line]	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
[Blue line]	2m HIGH NOISE AND VISUAL SCREEN
[Blue line]	3m HIGH NOISE BARRIER
[Blue line]	BASIN FENCING - MCHW HCD H3 POST AND STRAINED WIRE
[Blue line]	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARD FENCE
[Blue line]	FIELD ACCESS GATE - MCHW VOL.3 SECT. 1 H17 STEEL SINGLE FIELD GATE
[Blue line]	4.2m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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P03	04/03/21	FINAL	LS	JMee	BJon
C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
Environmental Masterplan Sheet 8 of 14 TR010038/APP/6.8

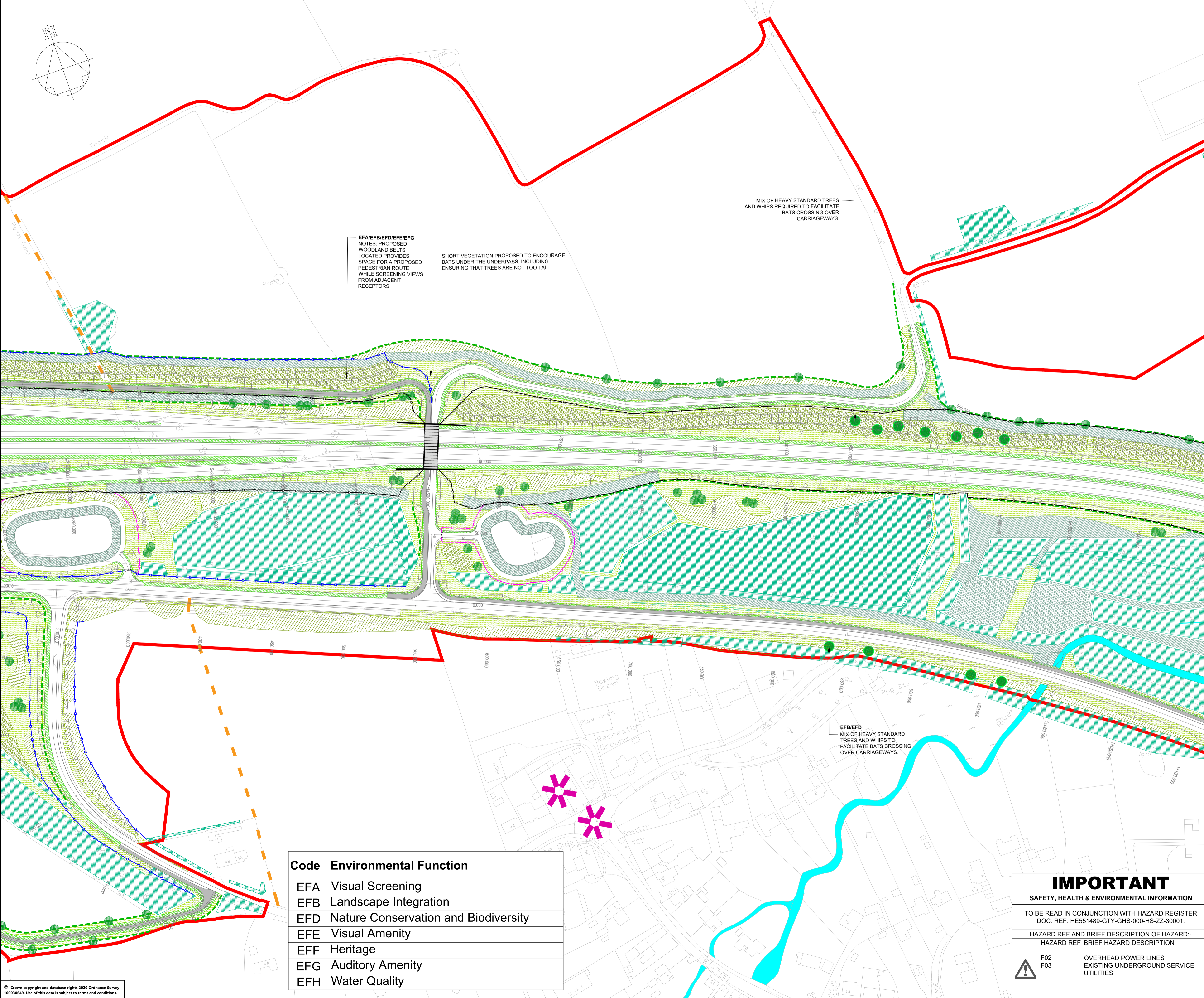
SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	A3	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30010

IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
 TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF HAZARD DESCRIPTION
F03	EXISTING UNDERGROUND SERVICE UTILITIES
F04	WORKING ON TOP OF EMBANKMENT



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 - HE551489-GTY-ELS-000-DR-LX-30008
 - HE551489-GTY-ELS-000-DR-LX-30009
 - HE551489-GTY-ELS-000-DR-LX-30010
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KEY TO SYMBOLS

DDO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
CRISTED HORNSEA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
EXISTING VEGETATION	LE6.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
WATER FILLING CONTROL MEASURES - TREATMENT/STORAGE POND	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H3 POST AND STRAINED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE2.3 SPECIES RICH GRASSLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND	3m HIGH NOISE BARRIER
LE2.1 WOODLAND RIV (RIPARIAN WOODLAND)	BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.5 SHRUBS WITH INTERMITTENT TREES	FIELD ACCESS GATE - MCHW VOL. 3 SECT. 1 H17 STEEL SINGLE FIELD GATE
LE2.6 SHRUBS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
LE4.3 NATIVE SPECIES HEDGEROWS	

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P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR



PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
Environmental Masterplan Sheet 9 of 14 TR010038/APP/6.8

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

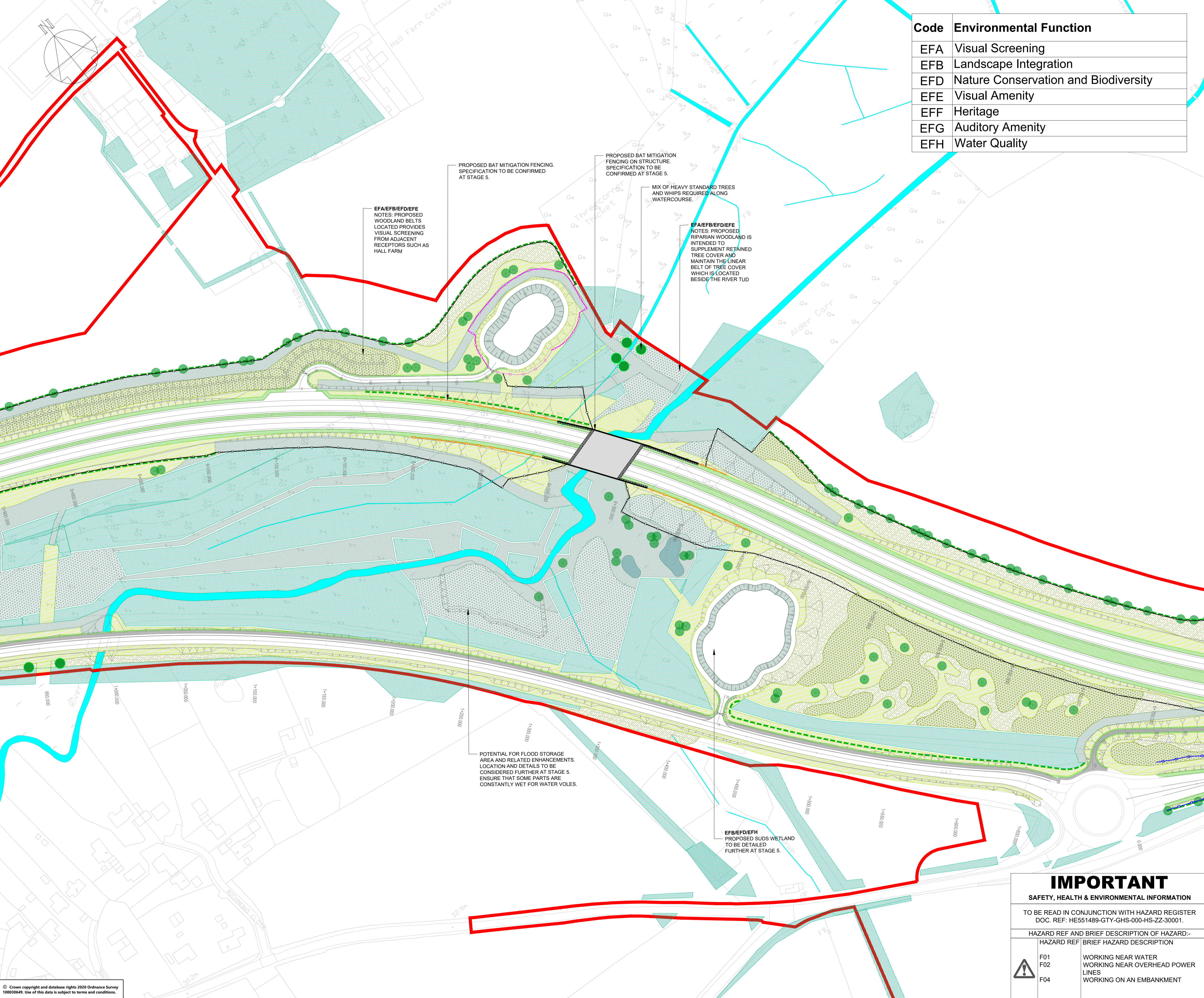
SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30011

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

IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
 TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.
 HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:
 HAZARD REF: F02 F03
 BRIEF HAZARD DESCRIPTION:
 OVERHEAD POWER LINES
 EXISTING UNDERGROUND SERVICE UTILITIES

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HE551489-GTY-ELS-000-DR-LX-30016
FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
CRISTED HORNSIA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
EXISTING VEGETATION	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E2-1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/FILTRATION PONDS	HIGHWAY BOUNDARY - MCHW VOL.3 SECT.1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY ACCOMMODATION WORKS FENCING - H13 POST AND STRAINED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND	3m HIGH NOISE BARRIER
LE2.1 WOODLAND RW (RIPARIAN WOODLAND)	BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.5 SHRUBS WITH INTERMITTENT TREES	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 H17 STEEL SINGLE FIELD GATE
LE2.6 SHRUBS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
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DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
Environmental Masterplan Sheet 10 of 14 TR010038/APP/6.8

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

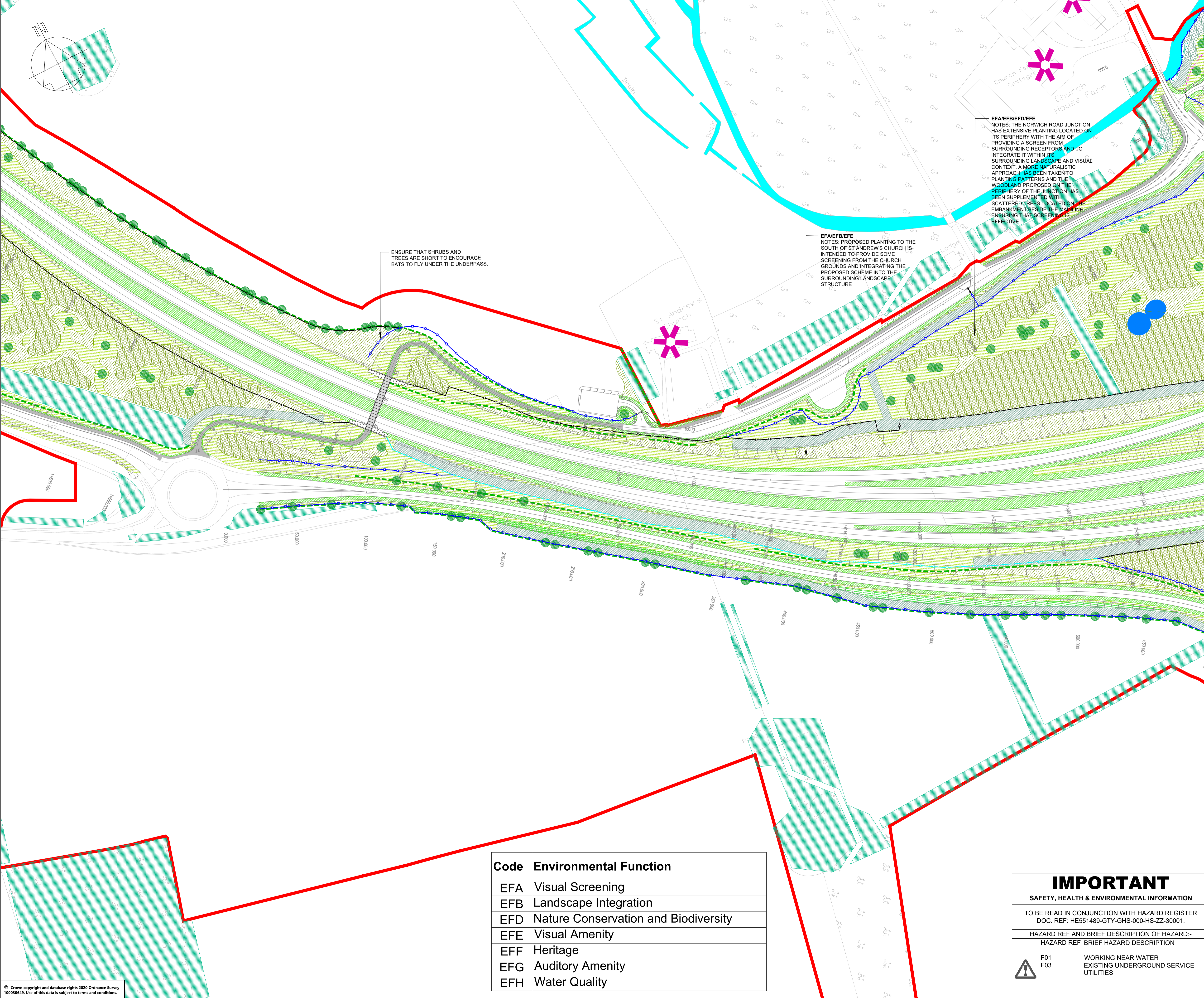
DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30012

IMPORTANT
SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF DESCRIPTION OF HAZARD-
F01	WORKING NEAR WATER
F02	WORKING NEAR OVERHEAD POWER LINES
F04	WORKING ON AN EMBANKMENT

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KEY TO SYMBOLS

	DOO BOUNDARY		LE4.4 NATIVE HEDGEROWS WITH TREES
	EXISTED HORNSEA WIND FARM		LE5.1 INDIVIDUAL TREES
	EXISTING PUBLIC RIGHT OF WAY		LE5.1 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS
	EXISTING VEGETATION		LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
	EXISTING VEGETATION TO BE RETAINED		PROPOSED ENVIRONMENTAL ELEMENTS
	EXISTING WATER POLLUTION CONTROL MEASURES - TREATMENT TRENCHES		PROPOSED LIGHTING COLUMN LOCATION - REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION
	PROPOSED COMPENSATORY FLOOD STORAGE AREA		PROPOSED LIGHTING COLUMN LOCATION - LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H13 POST AND STRAINED WIRE
	LISTED MILESTONE		PROPOSED LIGHTING COLUMN LOCATION - BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
	PROPOSED LANDSCAPE ELEMENTS		PROPOSED LIGHTING COLUMN LOCATION - BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
	LE1.1 AMENITY GRASS AREAS		PROPOSED LIGHTING COLUMN LOCATION - 2m HIGH NOISE AND VISUAL SCREEN
	LE1.2 WOODLAND		PROPOSED LIGHTING COLUMN LOCATION - 3m HIGH NOISE BARRIER
	LE1.3 SPECIES RICH GRASSLAND		PROPOSED LIGHTING COLUMN LOCATION - BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE
	LE1.4 WOODLAND RIV (RIPARIAN WOODLAND)		PROPOSED LIGHTING COLUMN LOCATION - ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
	LE1.5 LINEAR BELTS OF SHRUBS AND TREES		PROPOSED LIGHTING COLUMN LOCATION - FIELD ACCESS GATE - MCHW VOL3 SECT 1 H17 STEEL SINGLE FIELD GATE
	LE2.5 SHRUBS WITH INTERMITTENT TREES		PROPOSED LIGHTING COLUMN LOCATION - 4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT
	LE2.6 SHRUBS		
	LE4.3 NATIVE SPECIES HEDGEROWS		

ENSURE THAT SHRUBS AND TREES ARE SHORT TO ENCOURAGE BATS TO FLY UNDER THE UNDERPASS.

EFA/EFB/EFE
NOTES: PROPOSED PLANTING TO THE SOUTH OF ST ANDREW'S CHURCH IS INTENDED TO PROVIDE SOME SCREENING FROM THE CHURCH GROUNDS AND INTEGRATING THE PROPOSED SCHEME INTO THE SURROUNDING LANDSCAPE STRUCTURE

EFA/EFB/EFE/DFE
NOTES: THE NORWICH ROAD JUNCTION HAS EXTENSIVE PLANTING LOCATED ON ITS PERIPHERY WITH THE AIM OF PROVIDING A SCREEN FROM SURROUNDING RECEPTORS AND TO INTEGRATE IT WITHIN ITS SURROUNDING LANDSCAPE AND VISUAL CONTEXT. A MORE NATURALISTIC APPROACH HAS BEEN TAKEN TO PLANTING PATTERNS AND THE WOODLAND PROPOSED ON THE PERIPHERY OF THE JUNCTION HAS BEEN SUPPLEMENTED WITH SCATTERED TREES LOCATED ON THE EMBANKMENT BESIDE THE MAINLINE. ENSURING THAT SCREENING IS EFFECTIVE

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
EFD	Nature Conservation and Biodiversity
EFE	Visual Amenity
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TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF DESCRIPTION OF HAZARD-
F01 F03	WORKING NEAR WATER EXISTING UNDERGROUND SERVICE UTILITIES

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C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER

SWECO

CONTRACTOR

GallifordTry

CLIENT

**highways
england**

PROJECT TITLE

A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE

PCF STAGE 3

DRAWING TITLE

Environmental Masterplan Sheet 11 of 14
TR010038/APP/6.8

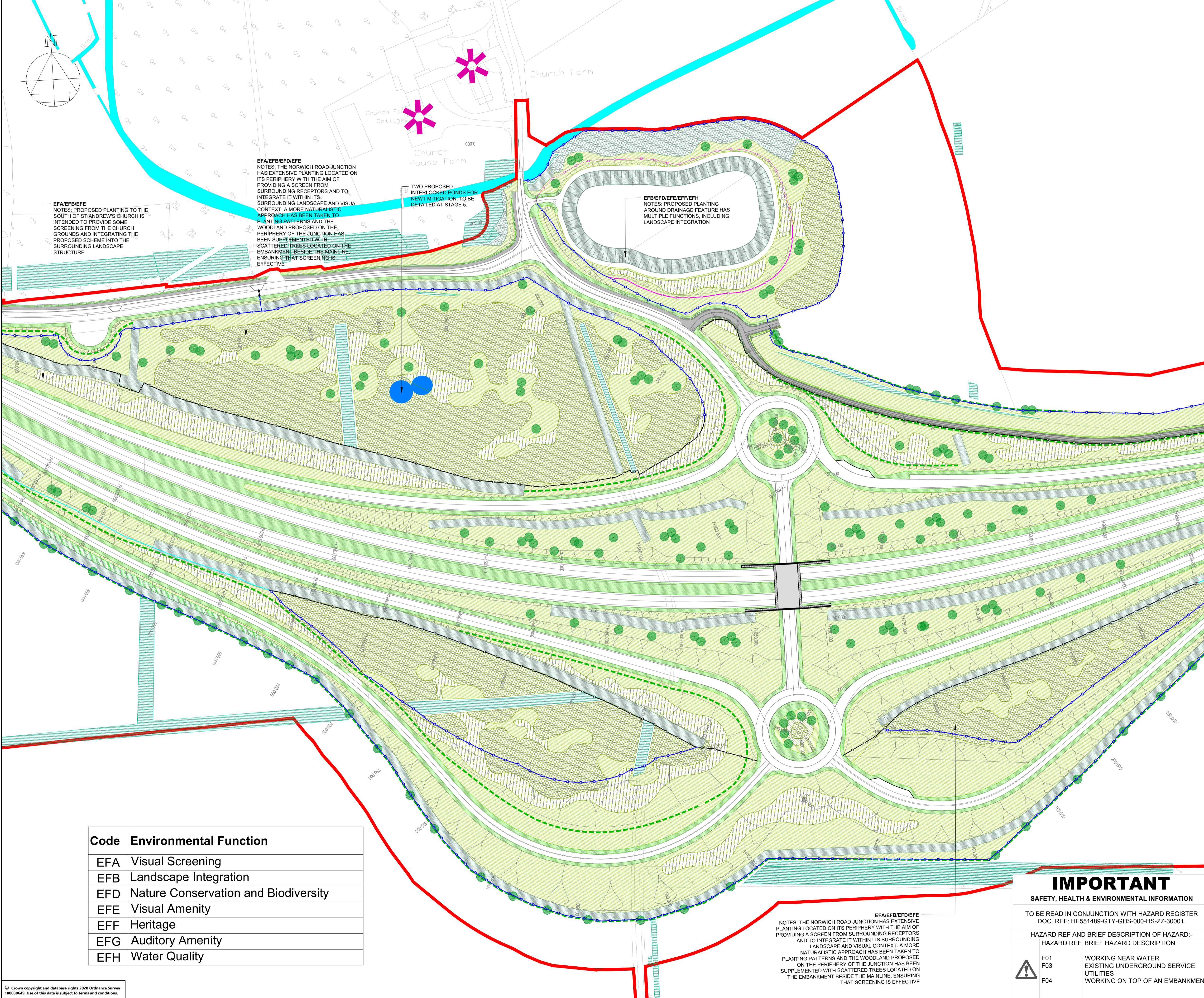
SUITABILITY

AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER

HE551489-GTY-ELS-000-DR-LX-30013



- NOTES**
1. A MAINTENANCE STRIP OF 1M (MINIMUM) WILL BE REQUIRED ON THE HIGHWAY SIDE OF ALL PROPOSED FENCING. TO BE PLANTED WITH SPECIES RICH GRASSLAND/AMENITY GRASS, WHERE APPROPRIATE. DETAILING WILL BE PROVIDED AT STAGE 5.
 2. ALL AREAS OF PROPOSED WOODLAND, LINEAR BELTS OF SHRUBS AND TREES, SHRUBS WITH INTERMITTENT TREES, AND SHRUBS TO BE PLANTED WITH SPECIES RICH GRASSLAND. ALL AREAS OF RIPARIAN WOODLAND TO BE PLANTED WITH RIPARIAN SEEDING MIX. SEE PLANTING SCHEDULE FOR FURTHER DETAILS.
 3. ALL STAFF CORRIDORS ARE INDICATIVE ONLY AND WILL BE FINALISED AT THE DETAILED DESIGN STAGE.
 4. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 5. ALL DIMENSION IN METRES (m) UNLESS OTHERWISE STATED.
 6. DO NOT SCALE FROM THIS DRAWING.
 7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
 HE551489-GTY-ELS-000-DR-LX-30003
 HE551489-GTY-ELS-000-DR-LX-30004
 HE551489-GTY-ELS-000-DR-LX-30005
 HE551489-GTY-ELS-000-DR-LX-30006
 HE551489-GTY-ELS-000-DR-LX-30007
 HE551489-GTY-ELS-000-DR-LX-30008
 HE551489-GTY-ELS-000-DR-LX-30009
 HE551489-GTY-ELS-000-DR-LX-30010
 HE551489-GTY-ELS-000-DR-LX-30011
 HE551489-GTY-ELS-000-DR-LX-30012
 HE551489-GTY-ELS-000-DR-LX-30013
 HE551489-GTY-ELS-000-DR-LX-30016
 8. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCD BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
ORSTED HORNSWEE WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE5.1.1 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMEN
EXISTING VEGETATION	LE5.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E2.1 WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION POND	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H13 POST AND STRANDED WIRE
LISTED MILESTONE	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
LE1.1 AMENITY GRASS AREAS	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE1.3 SPECIES RICH GRASSLAND	3m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND	2m HIGH NOISE AND VISUAL SCREEN
LE2.1 WOODLAND RIV (RIPARIAN WOODLAND)	3m HIGH NOISE BARRIER
LE2.4 LINEAR BELTS OF SHRUBS AND TREES	BASIN FENCING - MCHW HCD H13 POST AND STRANDED WIRE
LE2.5 SHRUBS WITH INTERMITTENT TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.6 SHRUBS	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 H17 STEEL SINGLE FIELD GATE
LE4.3 NATIVE SPECIES HEDGEROWS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
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P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER
SWECO

CONTRACTOR
GallifordTry

CLIENT
highways england

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
**Environmental Masterplan Sheet 12 of 14
 TR010038/APP/6.8**

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30014

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

IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

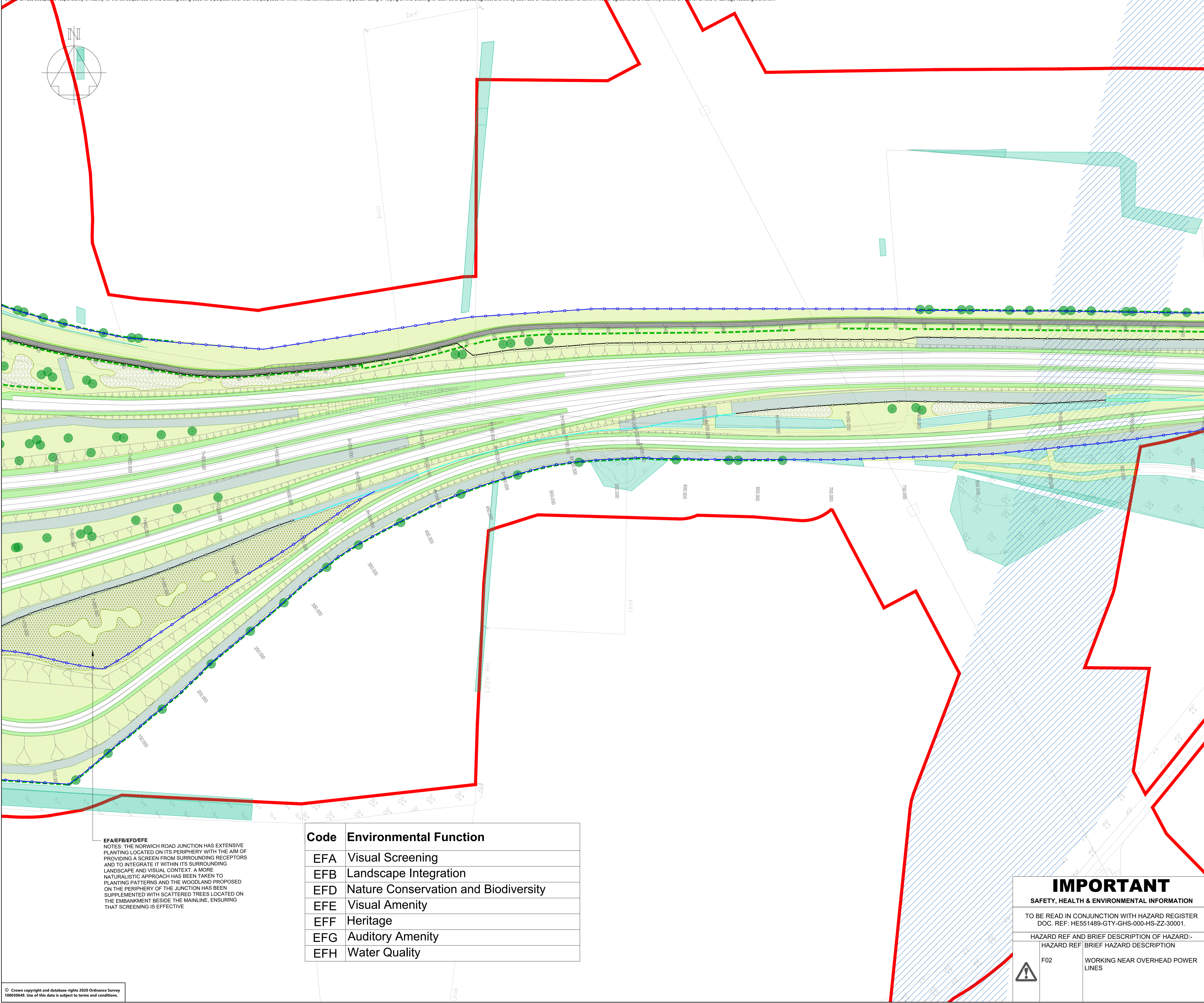
TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:-
 HAZARD REF: BRIEF HAZARD DESCRIPTION

F01	WORKING NEAR WATER
F03	EXISTING UNDERGROUND SERVICE UTILITIES
F04	WORKING ON TOP OF AN EMBANKMENT

EFA/EFB/EFD/EFE/EFH
 NOTES: THE NORWICH ROAD JUNCTION HAS EXTENSIVE PLANTING LOCATED ON ITS PERIPHERY WITH THE AIM OF PROVIDING A SCREEN FROM SURROUNDING RECEPTORS AND TO INTEGRATE IT WITHIN ITS SURROUNDING LANDSCAPE AND VISUAL CONTEXT. A MORE NATURALISTIC APPROACH HAS BEEN TAKEN TO PLANTING PATTERNS AND THE WOODLAND PROPOSED ON THE PERIPHERY OF THE JUNCTION HAS BEEN SUPPLEMENTED WITH SCATTERED TREES LOCATED ON THE EMBANKMENT BESIDE THE MAINLINE, ENSURING THAT SCREENING IS EFFECTIVE

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 HE551489-GTY-ELS-000-DR-LX-30004
 HE551489-GTY-ELS-000-DR-LX-30005
 HE551489-GTY-ELS-000-DR-LX-30006
 HE551489-GTY-ELS-000-DR-LX-30007
 HE551489-GTY-ELS-000-DR-LX-30008
 HE551489-GTY-ELS-000-DR-LX-30009
 HE551489-GTY-ELS-000-DR-LX-30010
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 HE551489-GTY-ELS-000-DR-LX-30013
 HE551489-GTY-ELS-000-DR-LX-30014
 HE551489-GTY-ELS-000-DR-LX-30016
 8. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	LE4.4 NATIVE HEDGEROWS WITH TREES
ORSTED HORNSEA WIND FARM	LE5.1 INDIVIDUAL TREES
EXISTING PUBLIC RIGHT OF WAY	LE4.4 NATIVE TREES (SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMEN)
EXISTING VEGETATION	LE6.2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)
EXISTING VEGETATION TO BE RETAINED	PROPOSED ELEMENTS - OTHER
PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)
E21 WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION POND	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT. 1 H3 TIMBER POST AND RAIL
PROPOSED COMPENSATORY FLOOD STORAGE AREA	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H13 POST AND STRANDED WIRE
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PROPOSED LANDSCAPE ELEMENTS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED
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LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.5 SHRUBS WITH INTERMITTENT TREES	FIELD ACCESS GATE - MCHW VOL.3 SECT.1 H17 STEEL SINGLE FIELD GATE
LE2.6 SHRUBS	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY DROP BOLT.
LE4.3 NATIVE SPECIES HEDGEROWS	

REV	DATE	REVISION NOTE	ORG	CHKD	APPD
P01	26/02/21	FOR ISSUE	LS	ECoO	BJon
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P03	04/03/21	FINAL	LS	JMee	BJon
C02	04/03/21	FINAL	LS	JMee	BJon
P04	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR
C03	24/06/21	S55 CHECKLIST AMENDMENT	LS	JMee	MR

DESIGNER

CONTRACTOR

CLIENT

PROJECT TITLE
A47 NORTH TUDDENHAM TO EASTON DUALLING

PROJECT STAGE
PCF STAGE 3

DRAWING TITLE
Environmental Masterplan Sheet 13 of 14 TR010038/APP/6.8

SUITABILITY
AUTHORISED AS STAGE 3 COMPLETED

SHEET SIZE	SCALE	STATUS	REVISION
A1	1:1250	A3	C03

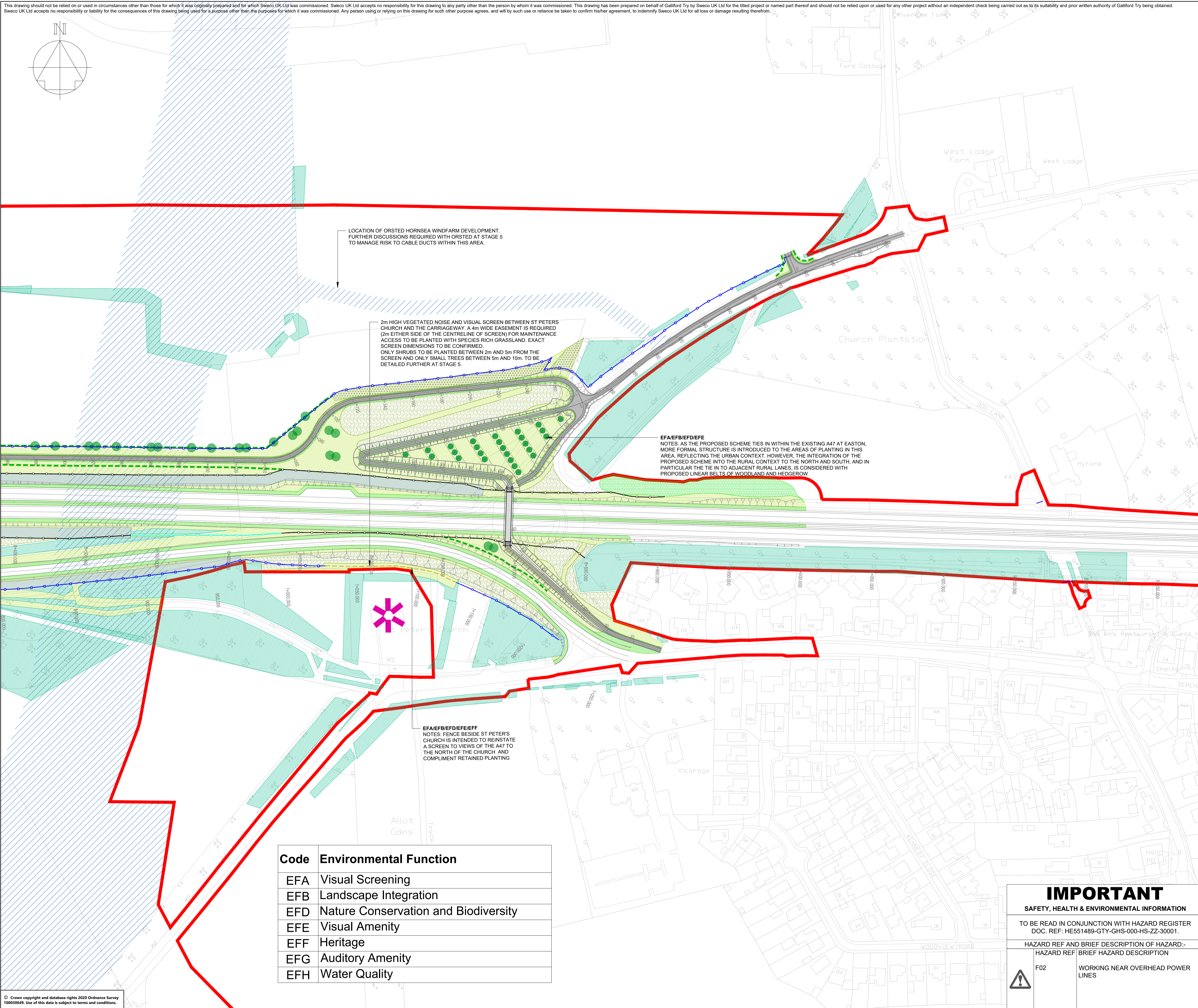
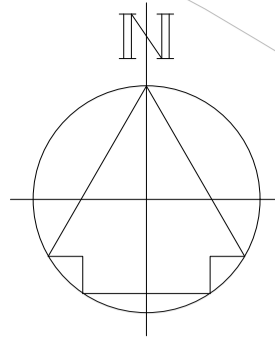
DRAWING NUMBER
HE551489-GTY-ELS-000-DR-LX-30015

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

EFA/EFB/EFD/EFE
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IMPORTANT
 SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
 TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.

HAZARD REF	BRIEF HAZARD DESCRIPTION
F02	WORKING NEAR OVERHEAD POWER LINES



LOCATION OF ORSTED HORNSEA WINDFARM DEVELOPMENT. FURTHER DISCUSSIONS REQUIRED WITH ORSTED AT STAGE 5 TO MANAGE RISK TO CABLE DUCTS WITHIN THIS AREA.

2m HIGH VEGETATED NOISE AND VISUAL SCREEN BETWEEN ST PETERS CHURCH AND THE CARRIAGEWAY. A 4m WIDE EASEMENT IS REQUIRED (2m EITHER SIDE OF THE CENTRELINE OF SCREEN) FOR MAINTENANCE ACCESS TO BE PLANTED WITH SPECIES RICH GRASSLAND. EXACT SCREEN DIMENSIONS TO BE CONFIRMED. ONLY SHRUBS TO BE PLANTED BETWEEN 2m AND 5m FROM THE SCREEN AND ONLY SMALL TREES BETWEEN 5m AND 10m. TO BE DETAILED FURTHER AT STAGE 5.

EFA/EFB/EFD/EFE
NOTES: AS THE PROPOSED SCHEME TIES IN WITHIN THE EXISTING A47 AT EASTON, MORE FORMAL STRUCTURE IS INTRODUCED TO THE AREAS OF PLANTING IN THIS AREA, REFLECTING THE URBAN CONTEXT. HOWEVER, THE INTEGRATION OF THE PROPOSED SCHEME INTO THE RURAL CONTEXT TO THE NORTH AND SOUTH, AND IN PARTICULAR THE TIE IN TO ADJACENT RURAL LANES, IS CONSIDERED WITH PROPOSED LINEAR BELTS OF WOODLAND AND HEDGEROW.

EFA/EFB/EFD/EFE/EFF
NOTES: FENCE BESIDE ST PETER'S CHURCH IS INTENDED TO REINSTATE A SCREEN TO VIEWS OF THE A47 TO THE NORTH OF THE CHURCH AND COMPLEMENT RETAINED PLANTING

Code	Environmental Function
EFA	Visual Screening
EFB	Landscape Integration
efd	Nature Conservation and Biodiversity
EFE	Visual Amenity
EFF	Heritage
EFG	Auditory Amenity
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HE551489-GTY-ELS-000-DR-LX-30015
 - FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

KEY TO SYMBOLS

DCO BOUNDARY	ORSTED HORNSEA WIND FARM	EXISTING PUBLIC RIGHT OF WAY	EXISTING VEGETATION	EXISTING VEGETATION TO BE RETAINED	PROPOSED ENVIRONMENTAL ELEMENTS	PROPOSED LANDSCAPE ELEMENTS	PROPOSED ELEMENTS - OTHER
LE4.4 NATIVE HEDGEROWS WITH TREES	LE1 INDIVIDUAL TREES	LE1.4 INDIVIDUAL TREES - SMALL TO LARGE SPECIES PLANTED AS EXTRA HEAVY STANDARD SPECIMENS	LE2 BANKS AND DITCHES (RIPARIAN SEEDING MIX)	PROPOSED LIGHTING COLUMN LOCATION (REFER TO LIGHTING DRAWING SERIES FOR FURTHER INFORMATION)	PROPOSED WATER POLLUTION CONTROL MEASURES - ATTENUATION/RETENTION POND	LE1.1 AMENITY GRASS AREAS	HIGHWAY BOUNDARY - MCHW VOL. 3 SECT 1 H3 TIMBER POST AND RAIL
LE2.1 WOODLAND	LE2.2 SHRUBS WITH INTERMITTENT TREES	LE2.3 SHRUBS	LE2.4 NATIVE SPECIES HEDGEROWS	LOCAL AUTHORITY / ACCOMMODATION WORKS FENCING - H3 POST AND STRAINED WIRE	PROPOSED COMPENSATORY FLOOD STORAGE AREA	LE1.3 SPECIES RICH GRASSLAND	BADGER PROOF FENCING - H3 TIMBER POST AND RAIL WITH BADGER PROOF MESH
LE2.5 SHRUBS	LE2.6 SHRUBS	LE2.7 SHRUBS	LE2.8 SHRUBS	BAT MITIGATION FENCING - SPECIFICATION TO BE CONFIRMED	LISTED MILESTONE	LE1.2 WOODLAND (RIPARIAN WOODLAND)	BAT MITIGATION FENCING ON STRUCTURE - SPECIFICATION TO BE CONFIRMED
LE2.9 SHRUBS	LE2.10 SHRUBS	LE2.11 SHRUBS	LE2.12 SHRUBS	BASIN FENCING - MCHW HCD H13 POST AND STRAINED WIRE	PROPOSED ENVIRONMENTAL ELEMENTS	LE2.4 LINEAR BELTS OF SHRUBS AND TREES	ANTI GLARE SCREEN - 2m HIGH CLOSE BOARDED FENCE
LE2.13 SHRUBS	LE2.14 SHRUBS	LE2.15 SHRUBS	LE2.16 SHRUBS	FIELD ACCESS GATE - MCHW VOL. 3 SECT 1 H7 STEEL SINGLE FIELD GATE	PROPOSED ENVIRONMENTAL ELEMENTS	LE2.5 SHRUBS WITH INTERMITTENT TREES	4.5m WIDE SINGLE HEAVY DUTY TIMBER PALISADE GATE. GATE SHALL BE LOCKABLE AND SHALL HAVE HEAVY DUTY ORDER BOLT.

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DESIGNER

CONTRACTOR

CLIENT

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PROJECT STAGE
PCF STAGE 3

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Environmental Masterplan Sheet 14 of 14 TR010038/APP/6.8

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IMPORTANT
SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: HE551489-GTY-GHS-000-HS-ZZ-30001.
HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:
HAZARD REF: F02
BRIEF HAZARD DESCRIPTION: WORKING NEAR OVERHEAD POWER LINES