

A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010059

6.5 Landscape Mitigation Masterplan Part A

Rule 8(1)(C)

Planning Act 2008

Infrastructure Planning (Examination Procedure) Rules 2010

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Examination Procedure) Rules
2010**

**The A1 in Northumberland: Morpeth to
Ellingham**

Development Consent Order 20[xx]

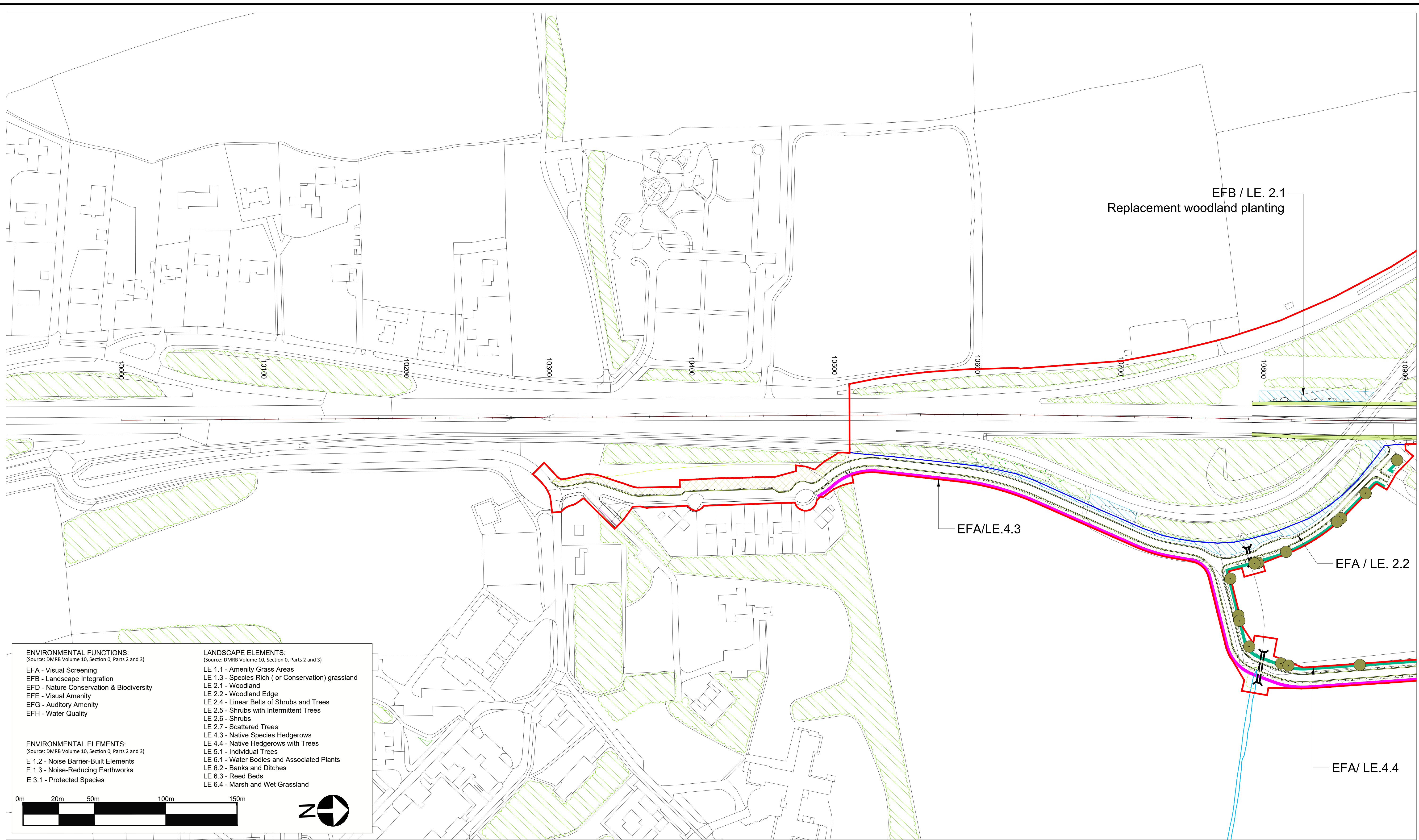
Landscape Mitigation Masterplan Part A

Rule Reference:	8(1)(c)
Planning Inspectorate Scheme Reference:	TR010059
Doc Reference:	6.5
Author:	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

Version	Date	Status of Version
Rev 5	June 2021	Deadline 8a

DO NOT SCALE

0 10 100
Millimetres



ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich (or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
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LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland



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10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		Client
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW		
7	29.08.2019	Update to Key	GH	AW	NM		
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2	14.03.2019	Changes to Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	



For Information

Status

S1

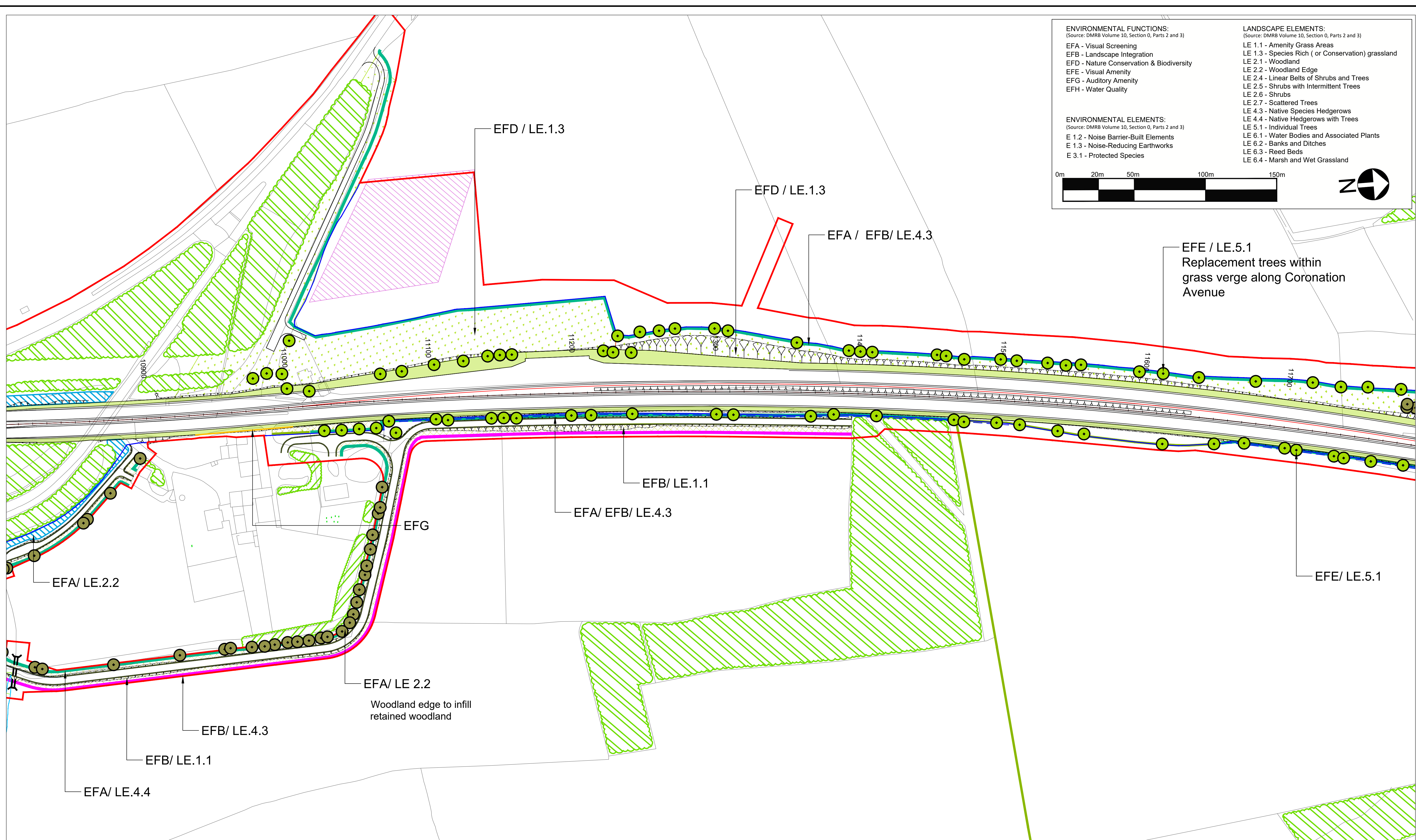
Project Title
A1 IN NORTHUMBERLAND:
MORPETH TO ELLINGHAM

Drawing Title
Figure 7.8 - Landscape Mitigation Masterplan
SHEET 1 OF 19

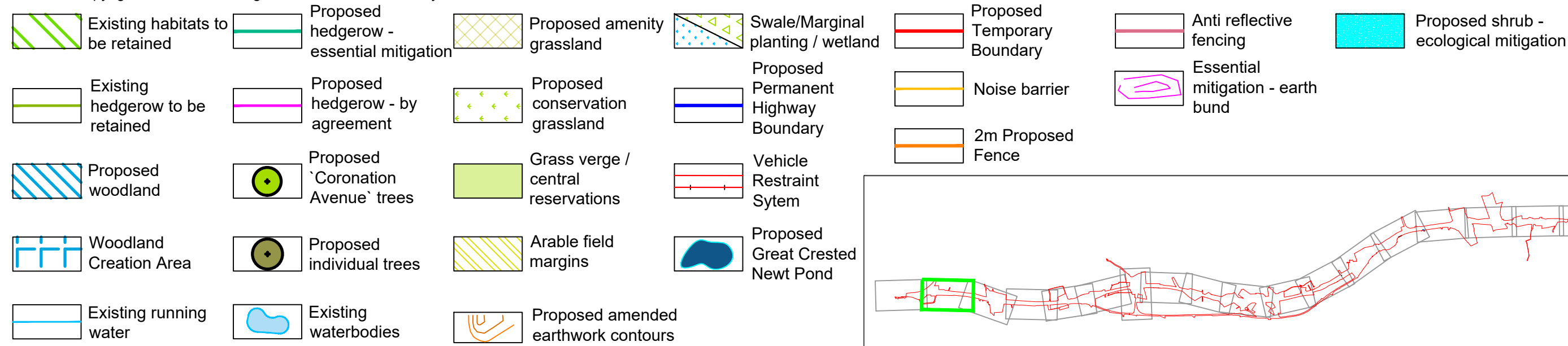
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Drawing Number	HE551459	Project	WSP	Volume	6.2	Revision	P10	PW Stage Code	
Section	Type	ID	Direction	Type	Role	Number			

DO NOT SCALE

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Millimetres



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Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	



For Information

S1

Project Title					A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM				
Drawing Title					Figure 7.8 - Landscape Mitigation Masterplan SHEET 2 OF 19				
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Section		Type	ID	Direction	Type	Role	Number	PW Stage Code	

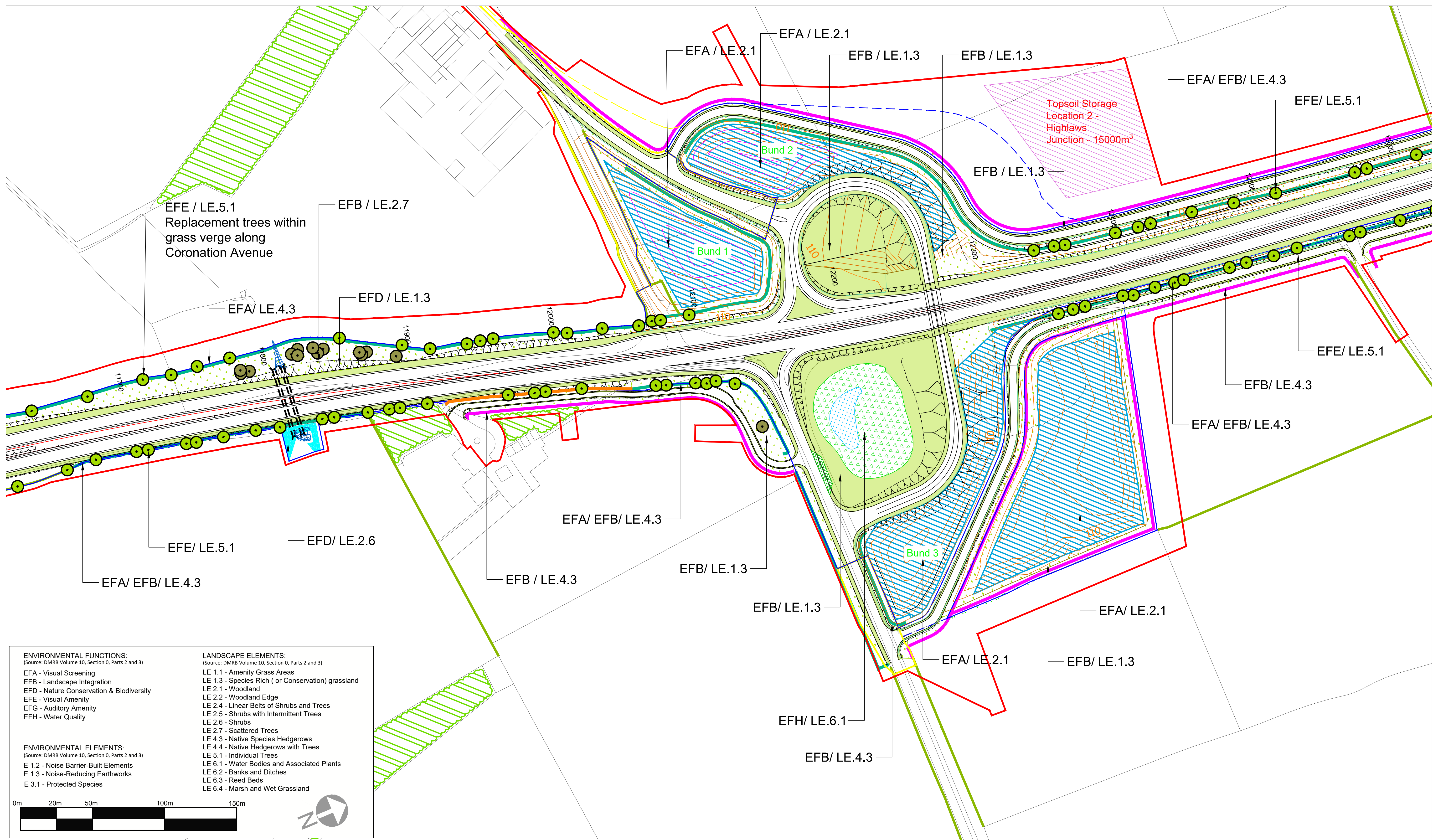
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ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
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ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

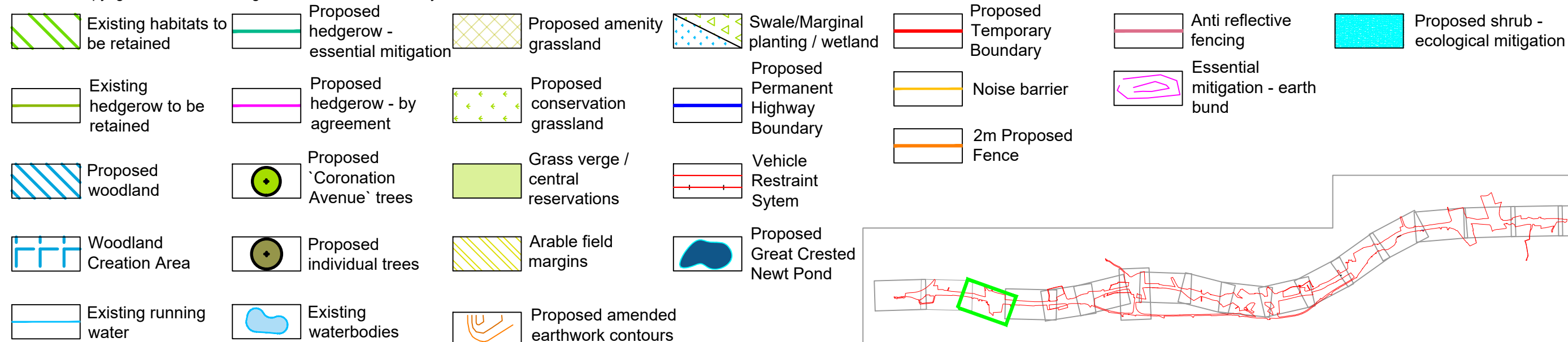
E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
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Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd

Suitability	For Information	Status	S1
Client	highways england		

Status	Project Title				
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	Drawing Title				
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Project	Originator	Volume	P10		
HE551459	WSP	6.2	PW Stage Code		
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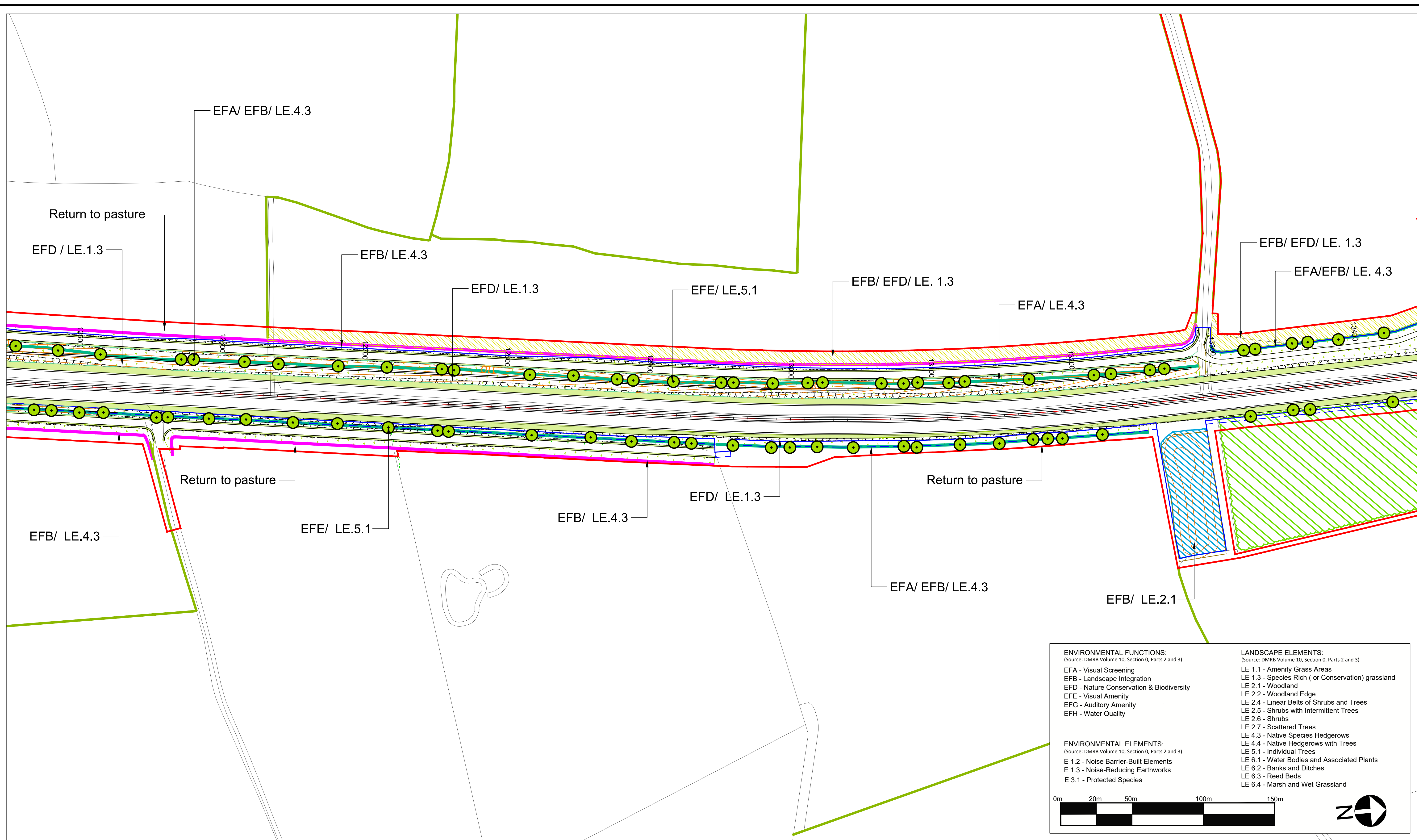
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Millimetres

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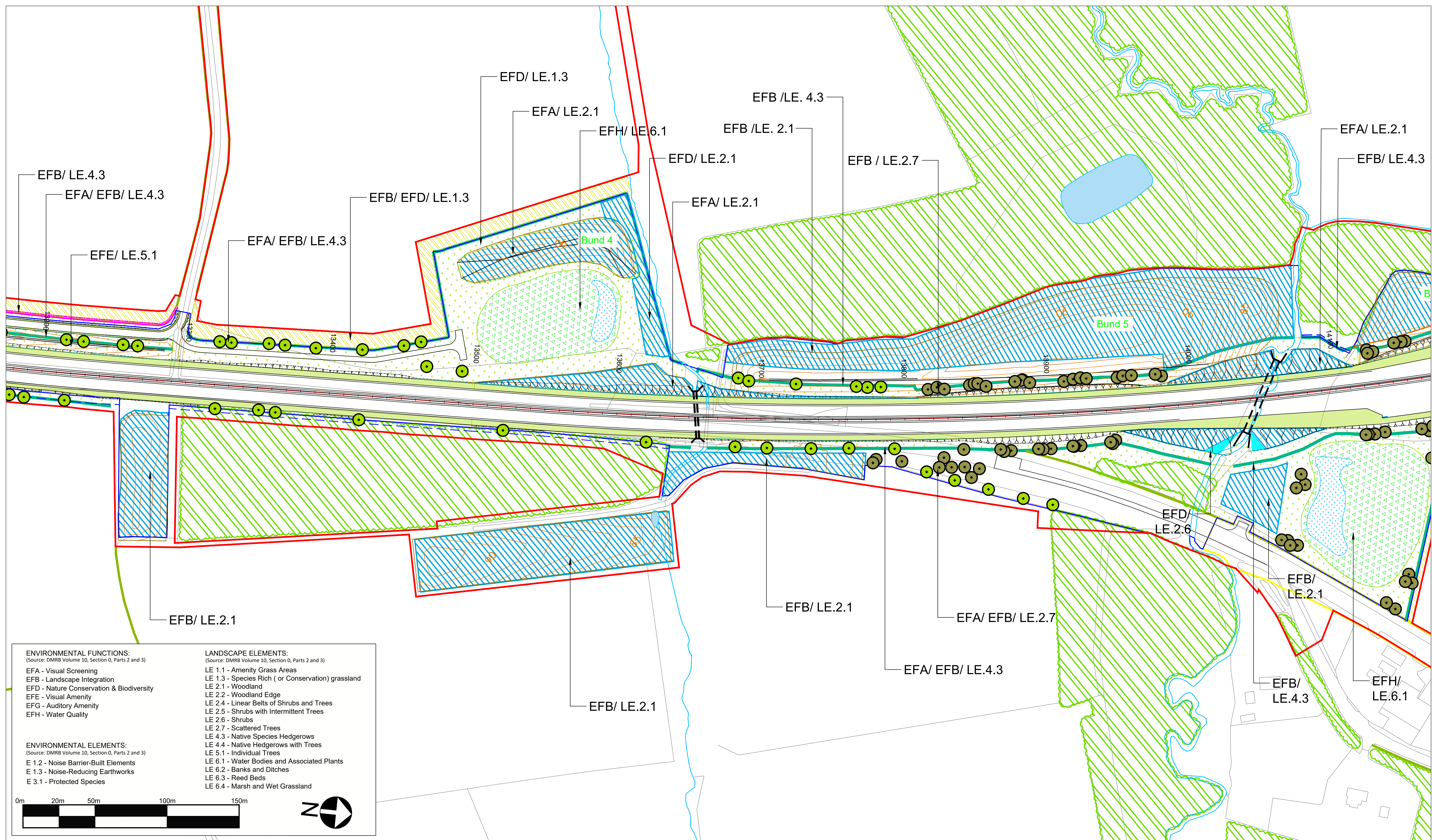
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1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

For Information

Project Title		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
Drawing Title		Figure 7.8 - Landscape Mitigation Masterplan SHEET 4 OF 19			
Scale	1:1250	Drawn	NB	Eng. Check	AW
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Approved	AW	02.02.2021	Authorised	DM	02.02.2021
Drawing Number	HE551459	Originator	WSP	Volume	6.2
Project		M2F			
Section	Type	ID	Direction	Type	Role
				Number	Revision
					P10
					PW Stage Code

DO NOT SCALE

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Millimetres



ENVIRONMENTAL FUNCTIONS:

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ENVIRONMENTAL ELEMENTS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

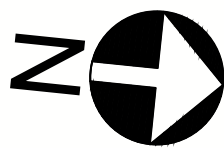
E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:

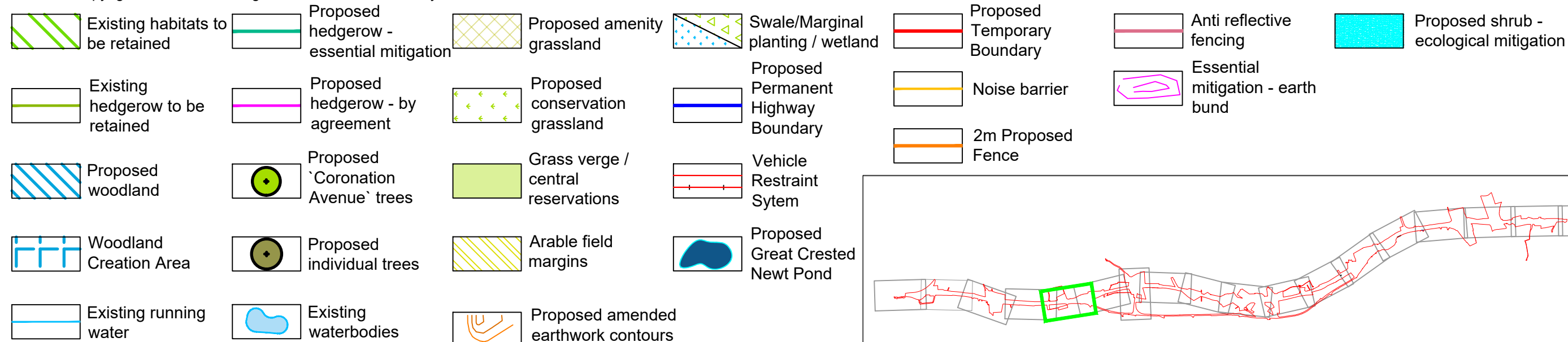
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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0m 20m 50m 100m 150m



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1	rv date	Rev 1 description	By	Eng	Disc	KS	
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

For Information



Status

S1

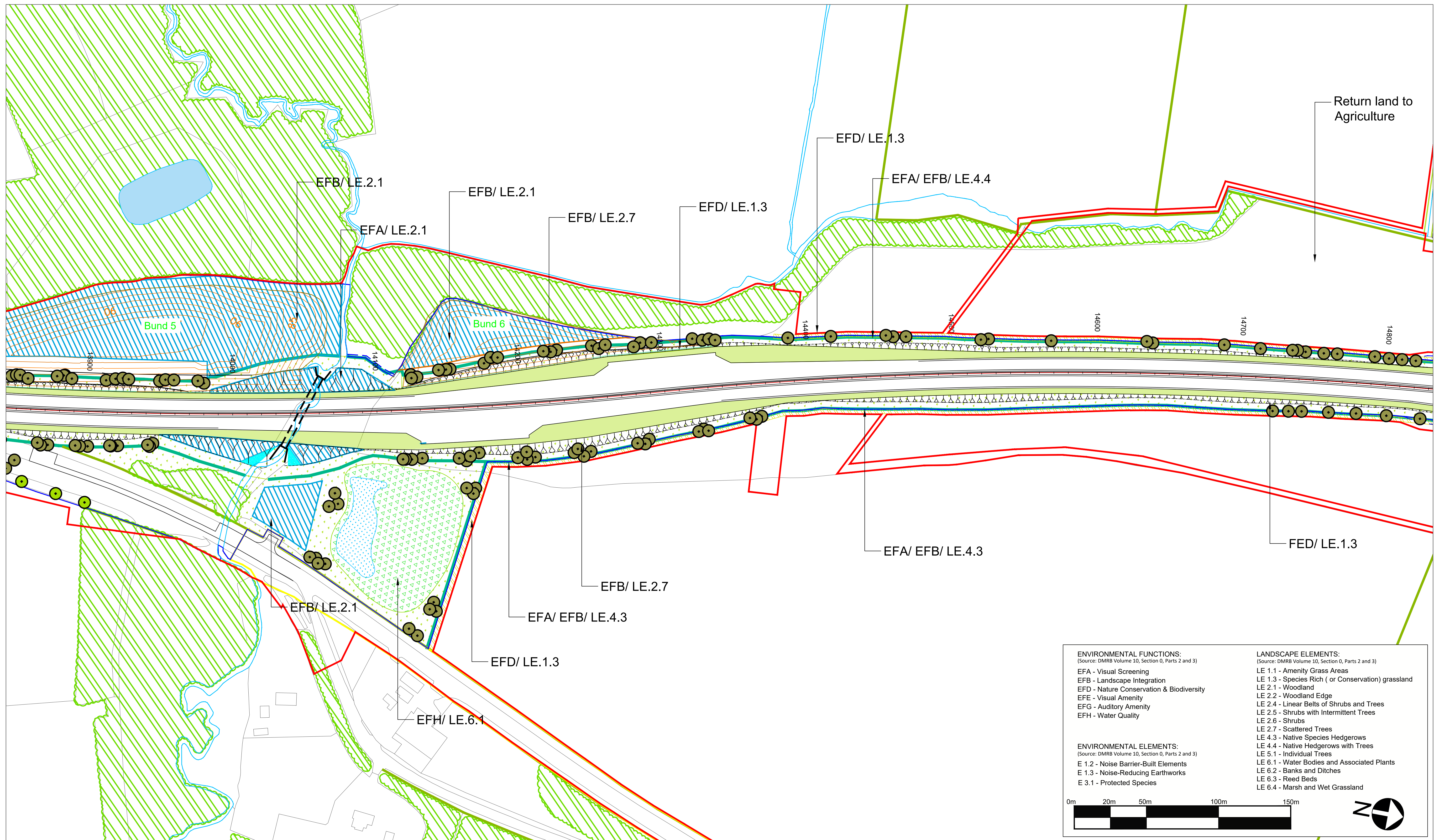
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A1 IN NORTHUMBERLAND:
MORPETH TO ELLINGHAM

Drawing Title
Figure 7.8 - Landscape Mitigation Masterplan
SHEET 5 OF 19

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Drawing Number	HE551459	Project	WSP	Volume	6.2	Revision	P10		
Section		Type	ID	Direction	Type	Role	Number		

DO NOT SCALE

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Millimetres



ENVIRONMENTAL FUNCTIONS:
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ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

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E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
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LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

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Existing habitats to be retained

Existing hedgerow to be retained

Proposed woodland

Woodland Creation Area

Existing running water

Proposed hedgerow - essential mitigation

Proposed hedgerow - by agreement

Proposed 'Coronation Avenue' trees

Proposed individual trees

Existing waterbodies

Proposed amenity grassland

Proposed conservation grassland

Grass verge / central reservations

Arable field margins

Proposed amended earthwork contours

Swale/Marginal planting / wetland

Proposed Permanent Highway Boundary

Vehicle Restraint System

Proposed Great Crested Newt Pond

Proposed Temporary Boundary

Noise barrier

2m Proposed Fence

Anti reflective fencing

Essential mitigation - earth bund

Proposed shrub - ecological mitigation

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Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

For Information

Status

S1

Project Title

A1 IN NORTHUMBERLAND:
MORPETH TO ELLINGHAM

Drawing Title

Figure 7.8 - Landscape Mitigation Masterplan
SHEET 6 OF 19

Scale

1:1250

Drawn

NB

Eng. Check

AW

Approved

AW

Authorised

DM

Original Size

A1

Date

02.02.2021

Date

02.02.2021

Date

02.02.2021

Date

02.02.2021

Drawing Number

HE551459

Project

WSP

Originator

WSP

Volume

6.2

Revision

P10

Section

Type

ID

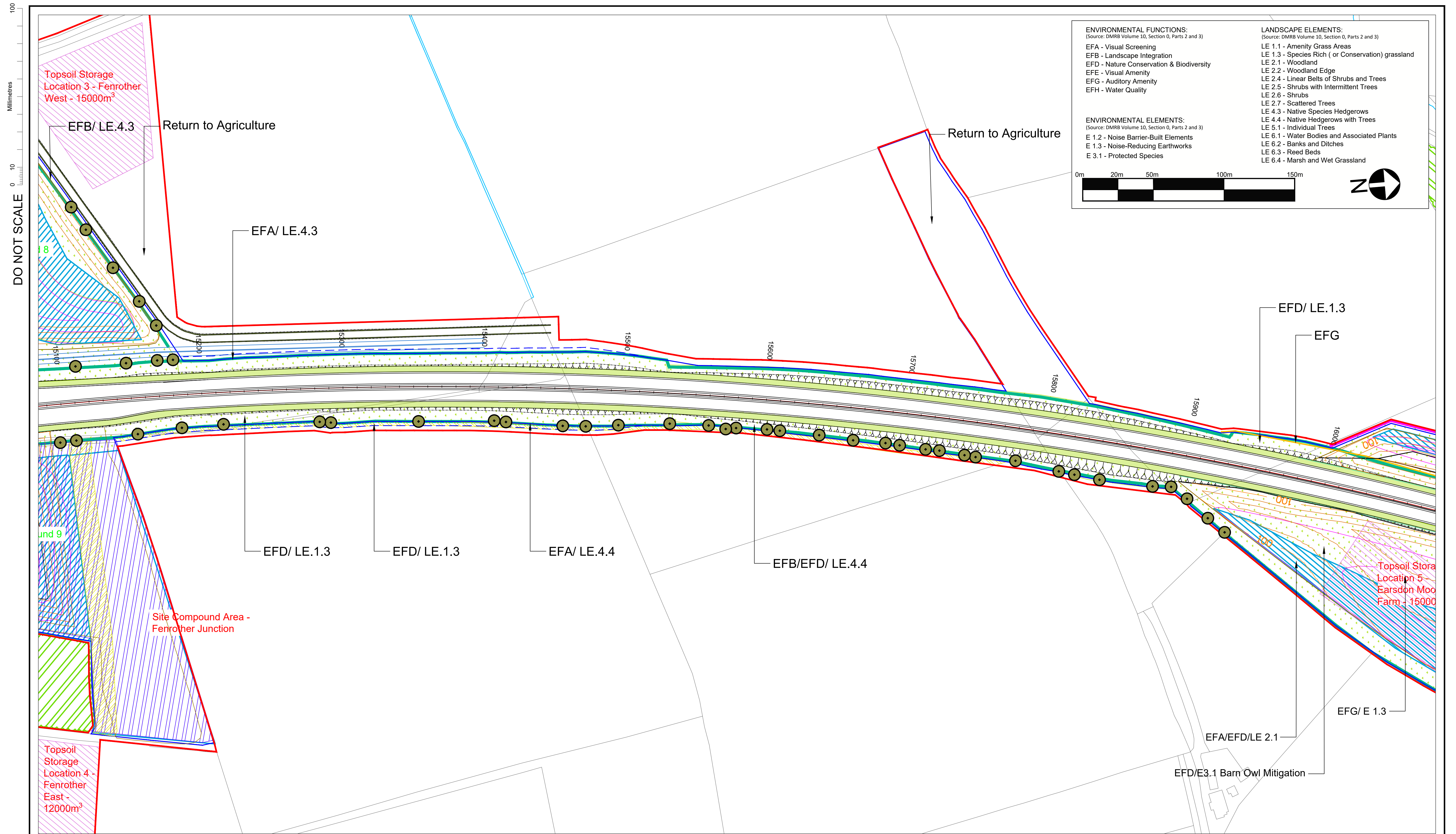
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Role

Number

PW Stage Code

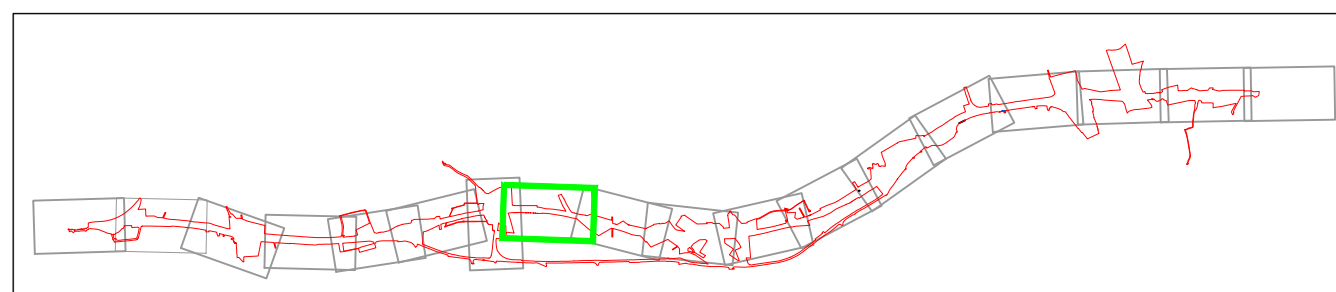


DO NOT SCALE

Millimetres
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|----------------------------------|--|-------------------------------------|-------------------------------------|
| Existing habitats to be retained | Proposed hedgerow - essential mitigation | Proposed amenity grassland | Swale/Marginal planting / wetland |
| Existing hedgerow to be retained | Proposed hedgerow - by agreement | Proposed conservation grassland | Proposed Permanent Highway Boundary |
| Proposed woodland | Proposed 'Coronation Avenue' trees | Grass verge / central reservations | Vehicle Restraint System |
| Woodland Creation Area | Proposed individual trees | Arable field margins | Proposed Great Crested Newt Pond |
| Existing running water | Existing waterbodies | Proposed amended earthwork contours | |

- | | | |
|-----------------------------|-----------------------------------|--|
| Proposed Temporary Boundary | Anti reflective fencing | Proposed shrub - ecological mitigation |
| Noise barrier | Essential mitigation - earth bund | |
| 2m Proposed Fence | | |



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For Information

Client

Project Title	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM				
Drawing Title	Figure 7.8 - Landscape Mitigation Masterplan SHEET 8 OF 19				
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Section		Type		Direction	
Revision	P10	Authorised	DM	Revision	
PW Stage Code		Role		Number	

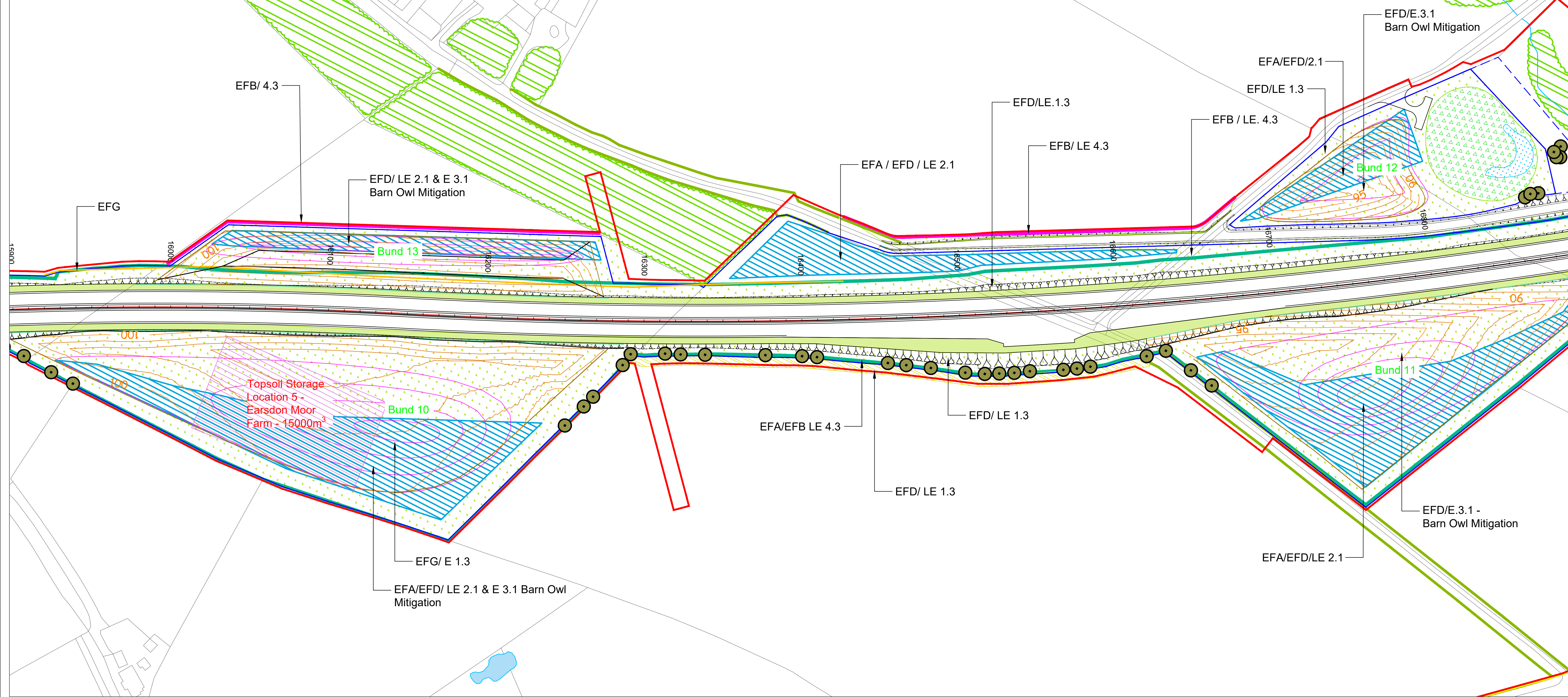
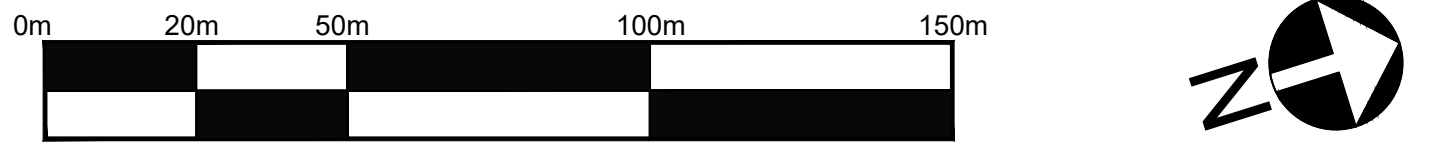
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Existing habitats to be retained	Proposed hedgerow - essential mitigation	Proposed amenity grassland	Swale/Marginal planting / wetland	Proposed Temporary Boundary	Anti reflective fencing	Proposed shrub - ecological mitigation
Existing hedgerow to be retained	Proposed hedgerow - by agreement	Proposed conservation grassland	Proposed Permanent Highway Boundary	Noise barrier	Essential mitigation - earth bund	
Proposed woodland	Proposed 'Coronation Avenue' trees	Grass verge / central reservations	Vehicle Restraint System	2m Proposed Fence		
Woodland Creation Area	Proposed individual trees	Arable field margins	Proposed Great Crested Newt Pond			
Existing running water	Existing waterbodies	Proposed amended earthwork contours				

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For Information		Status	Project Title			
		S1	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM			
		Drawing Title				
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Millimetres

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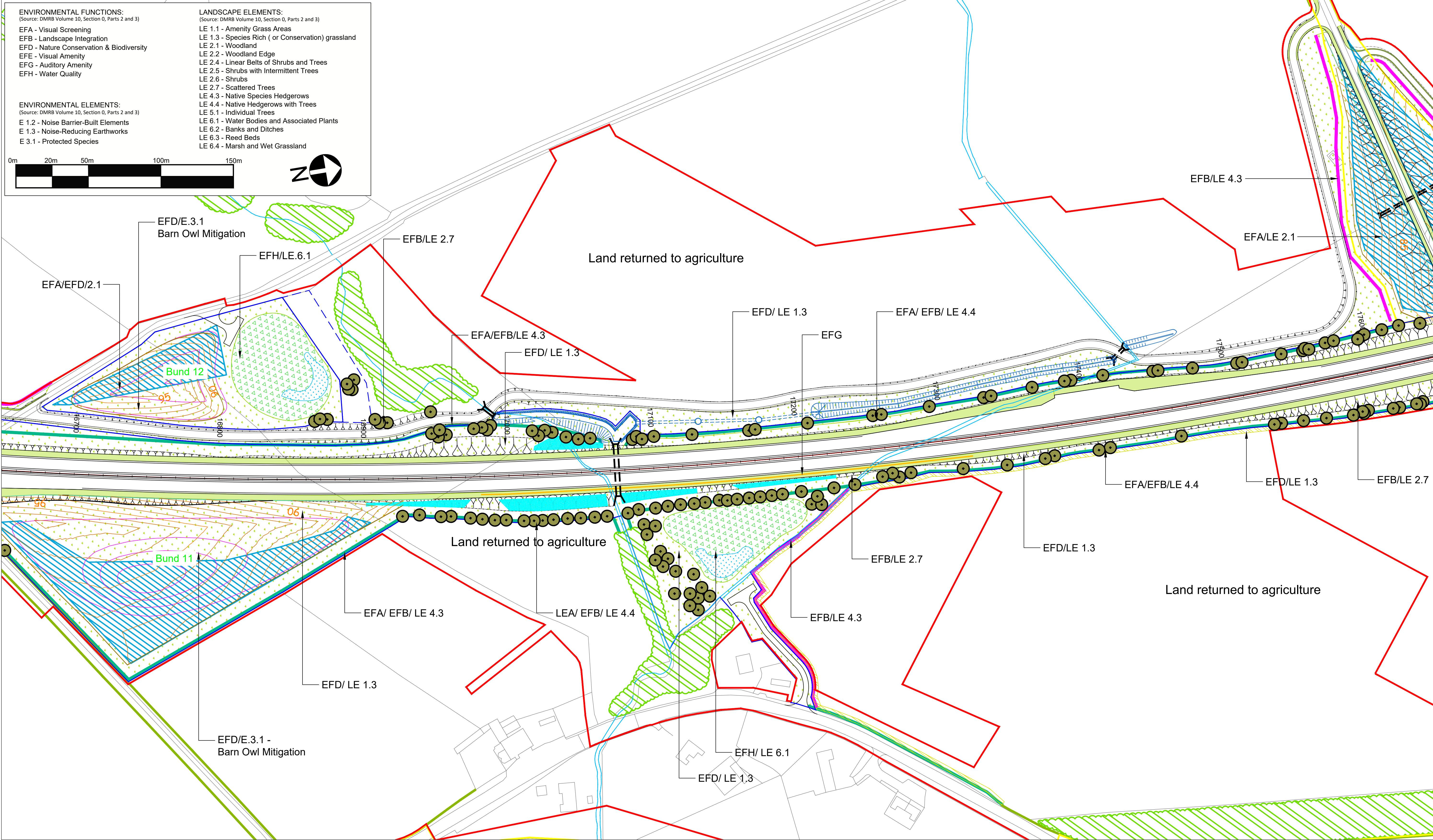
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LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

0m 20m 50m 100m 150m

Z



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Existing habitats to be retained

Existing hedgerow to be retained

Proposed woodland

Woodland Creation Area

Existing running water

Proposed hedgerow - essential mitigation

Proposed hedgerow - by agreement

Proposed 'Coronation Avenue' trees

Proposed individual trees

Existing waterbodies

Proposed amenity grassland

Proposed conservation grassland

Grass verge / central reservations

Arable field margins

Proposed amended earthwork contours

Swale/Marginal planting / wetland

Proposed Permanent Highway Boundary

Vehicle Restraint System

Proposed Great Crested Newt Pond

Proposed Temporary Boundary

Noise barrier

2m Proposed Fence

Anti reflective fencing

Essential mitigation - earth bund

Proposed shrub - ecological mitigation

10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW	
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW	
7	29.08.2019	Update to Key	GH	AW	NM	
6	05.06.2019	Update to landscape hatches	CM	CH	NM	
5	25.03.2019	Update to Key	CL	CH		
4	21.03.2019	Update to highways layout	CL	CH		
3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	nv date	Rev 1 description	By	Eng	Disc	
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd

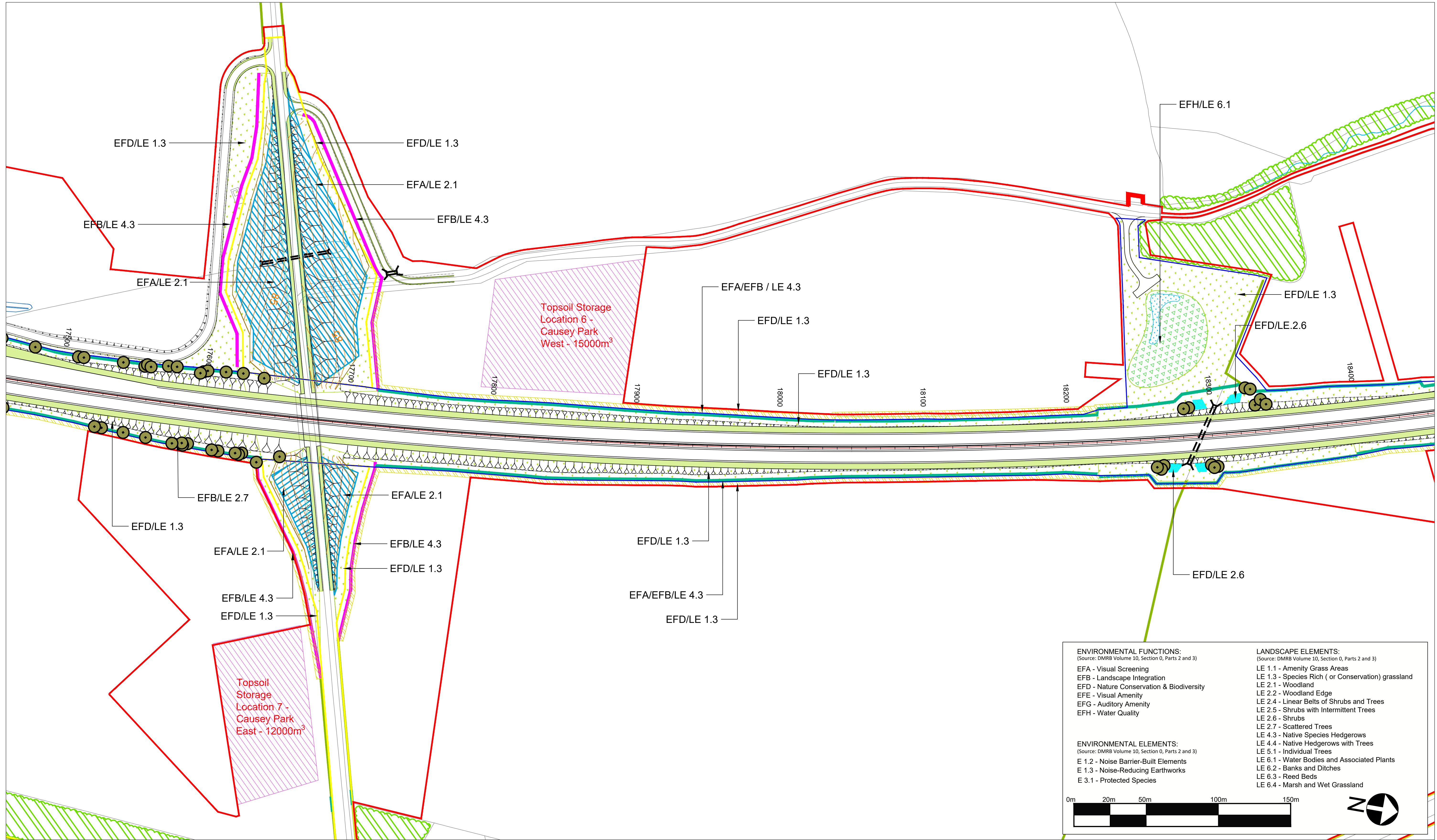
For Information

Client

Status	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM									
S1										
Drawing Title										
Figure 7.8 - Landscape Mitigation Masterplan SHEET 10 OF 19										
Scale		Drawn		Eng. Check		Approved		Authorised		
1:1250		NB		AW		AW		DM		
Original Size		Date		Date		Date		Date		
A1		02.02.2021		02.02.2021		02.02.2021		02.02.2021		
Drawing Number				Originator				Volume		Revision
Project				WSP				6.2		P10
HE551459				M2F						PW Stage Code
Section		Type	ID	Direction	Type	Role	Number			

DO NOT SCALE

0 10 100
Millimetres



ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich (or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
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LE 4.3 - Native Species Hedgerows
LE 4.4 - Native Hedgerows with Trees
LE 5.1 - Individual Trees
LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

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Existing habitats to be retained

Existing hedgerow to be retained

Proposed woodland

Woodland Creation Area

Existing running water

Proposed hedgerow - essential mitigation

Proposed hedgerow - by agreement

Proposed 'Coronation Avenue' trees

Proposed individual trees

Existing waterbodies

Proposed amenity grassland

Proposed conservation grassland

Grass verge / central reservations

Arable field margins

Proposed amended earthwork contours

Swale/Marginal planting / wetland

Proposed Permanent Highway Boundary

Vehicle Restraint Sytem

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Anti reflective fencing

Essential mitigation - earth bund

Proposed shrub - ecological mitigation

10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		
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5	25.03.2019	Update to Key	CL	CH			
4	21.03.2019	Update to highways layout	CL	CH			
3	19.03.2019	Update to landscape hatches	CL	CH			
2	14.03.2019	Changes to Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

For Information

Status: S1

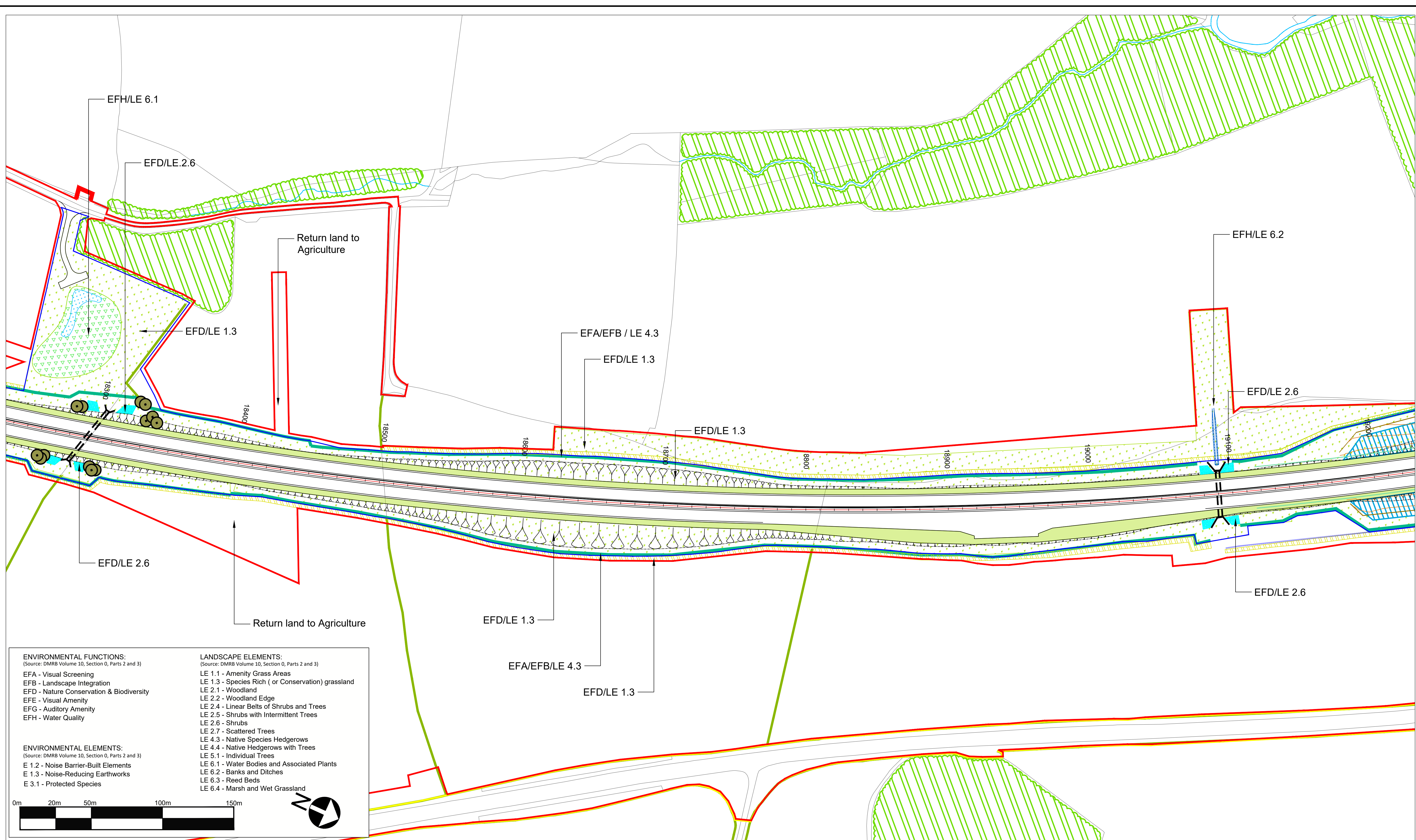
Project Title: A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM

Drawing Title: Figure 7.8 - Landscape Mitigation Masterplan SHEET 11 OF 19

Scale: 1:1250	Drawn: NB	Eng. Check: AW	Approved: AW	Authorised: DM
Original Size: A1	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021	Date: 02.02.2021
Drawing Number: HE551459	Project: WSP	Volume: 6.2	Revision: P10	
Section:	Type:	ID:	Direction:	Type:

DO NOT SCALE

0 10 100
Millimetres



ENVIRONMENTAL FUNCTIONS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:

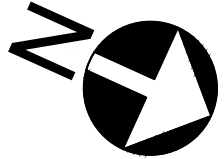
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

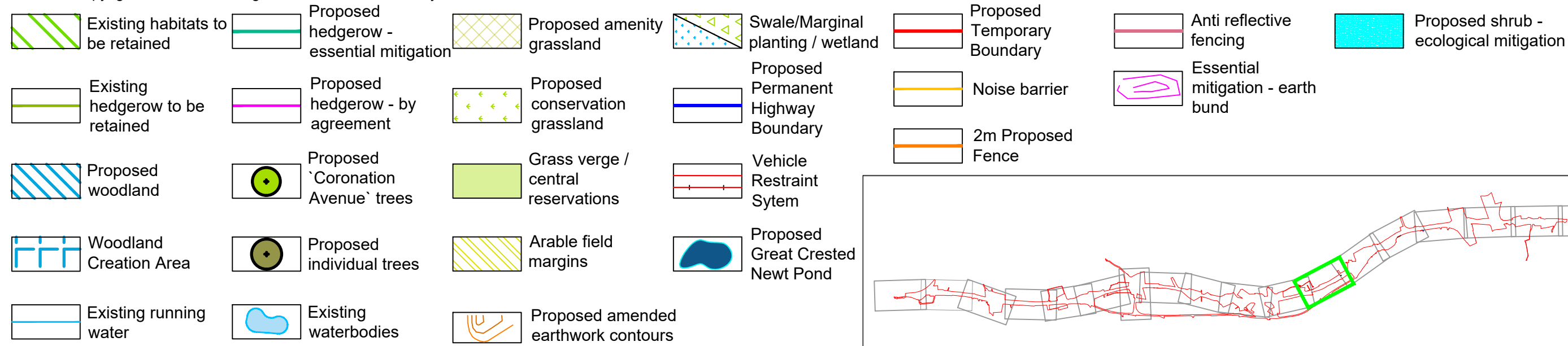
LANDSCAPE ELEMENTS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich (or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
LE 2.5 - Shrubs with Intermittent Trees
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LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland



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10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW		
7	29.08.2019	Update to Key	GH	AW	NM		
6	05.06.2019	Update to landscape hatches	CM	CH	NM		
5	25.03.2019	Update to Key	CL	CH			
4	21.03.2019	Update to highways layout	CL	CH			
3	19.03.2019	Update to landscape hatches	CL	CH			
2	14.03.2019	Changes to Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	



For Information

S1

Project Title
A1 IN NORTHUMBERLAND:
MORPETH TO ELLINGHAM

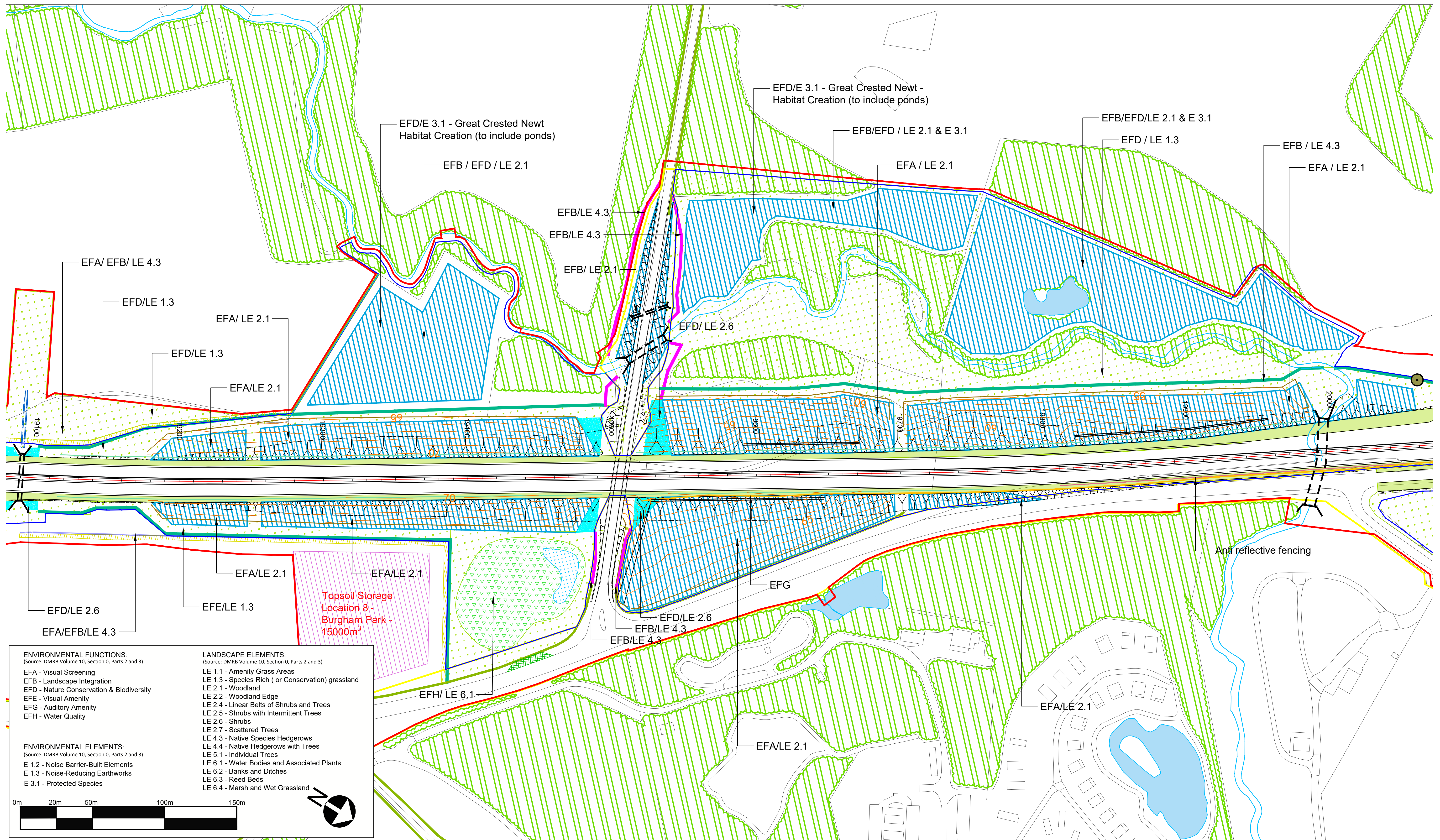
Drawing Title
Figure 7.8 - Landscape Mitigation Masterplan
SHEET 12 OF 19

Scale 1:1250	Drawn NB	Eng. Check AW	Approved AW	Authorised DM
Original Size A1	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021
Drawing Number Project HE551459	Originator WSP	Volume 6.2	Revision P10	
Section	Type	ID	Direction	Role

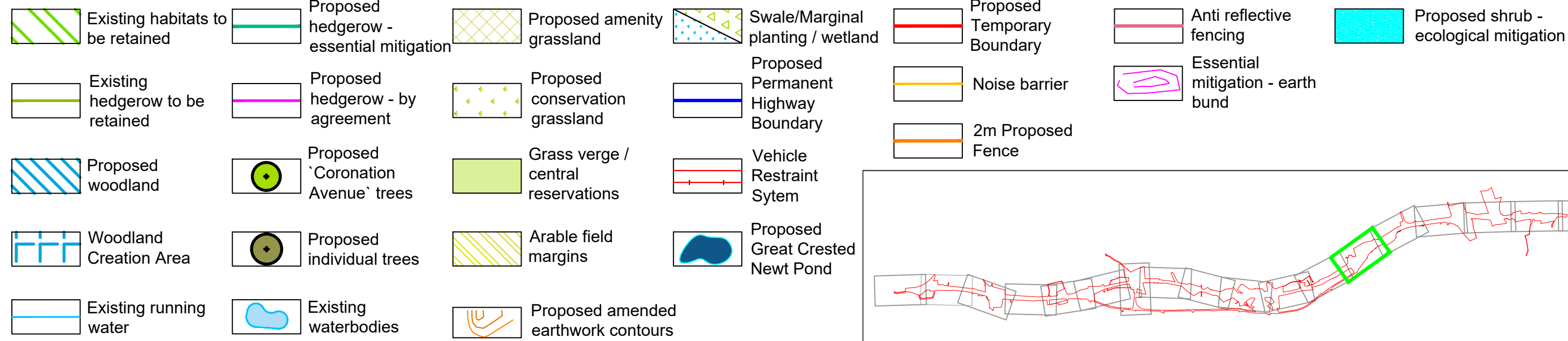
DO NOT SCALE

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Millimetres



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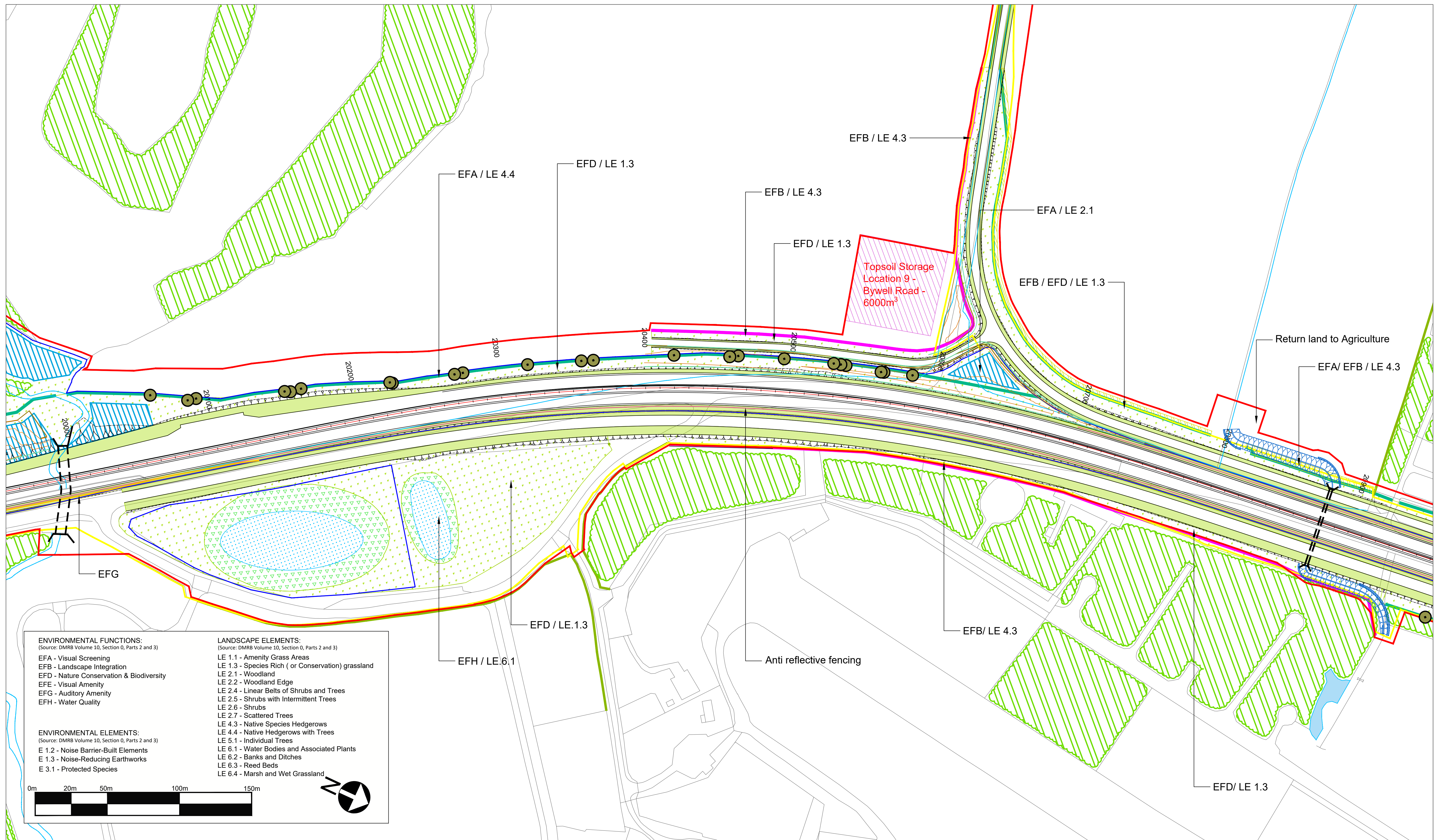
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7	29.08.2019	Update to Key	GH	AW	NM	
6	05.06.2019	Update to landscape hatches	CM	CH	NM	
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4	21.03.2019	Update to highways layout	CL	CH		
3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description	By	Eng	Disc	
Rev.	Date	Description	By	Eng'	Disc'	App'd

Suitability	For Information
Client	

Status	S1	Project Title A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM				
		Drawing Title Figure 7.8 - Landscape Mitigation Masterplan SHEET 13 OF 19				
		Scale 1:1250	Drawn NB	Eng. Check AW	Approved AW	Authorised DM
		Original Size A1	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021
		Drawing Number Project HE551459				Revision P10
		Originator WSP M2F			Volume 6.2	
		PW Stage Code				

DO NOT SCALE

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Millimetres



ENVIRONMENTAL FUNCTIONS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

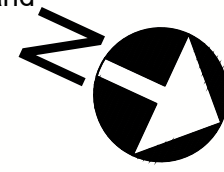
EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

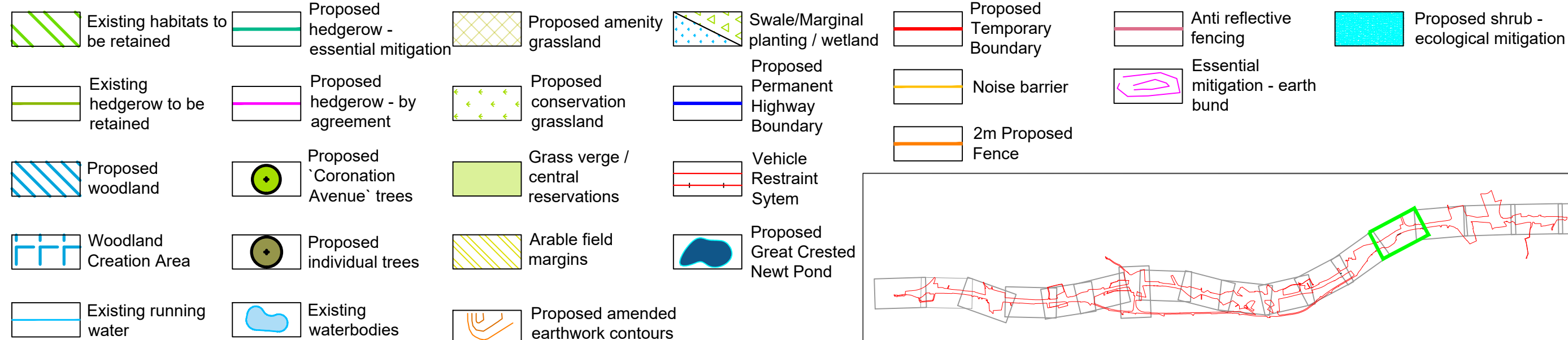
E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich (or Conservation) grassland
LE 2.1 - Woodland
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LE 6.1 - Water Bodies and Associated Plants
LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland



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10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW		
7	29.08.2019	Update to Key	GH	AW	NM		
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5	25.03.2019	Update to Key	CL	CH			
4	21.03.2019	Update to highways layout	CL	CH			
3	19.03.2019	Update to landscape hatches	CL	CH			
2	14.03.2019	Changes in Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

For Information



Status

S1

Project Title

A1 IN NORTHUMBERLAND:
MORPETH TO ELLINGHAM

Drawing Title

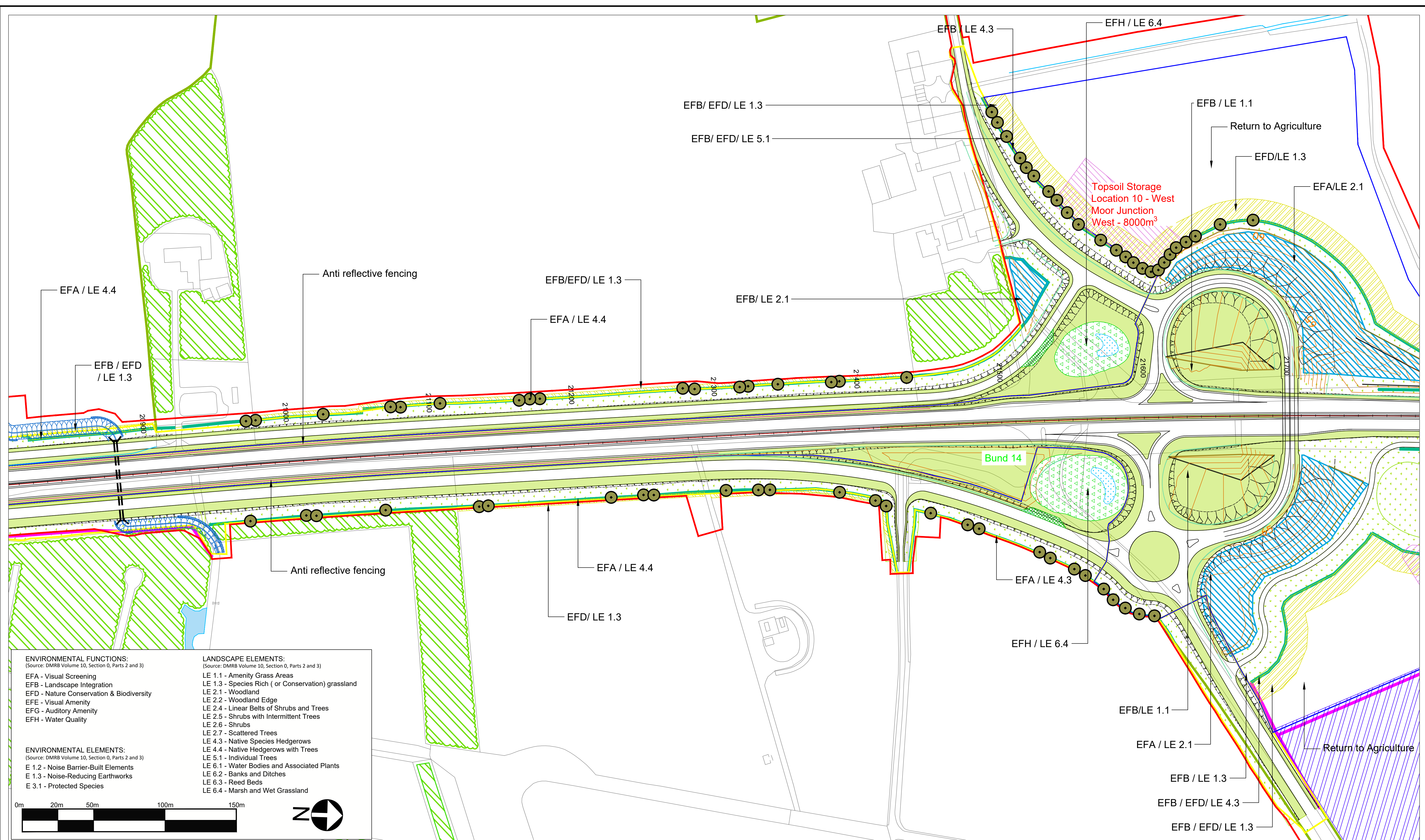
Figure 7.8 - Landscape Mitigation Masterplan
SHEET 14 OF 19

Scale	1:1250	Drawn	NB	Eng. Check	AW	Approved	AW	Authorised	DM
Original Size	A1	Date	02.02.2021	Date	02.02.2021	Date	02.02.2021	Date	02.02.2021
Drawing Number	HE551459	Project	WSP	Volume	6.2	Revision	P10	PW Stage Code	
Section	Type	ID	Direction	Type	Role	Number			

DO NOT SCALE

0 10 100

Millimetres



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- | | | | | | | | | | | | | | |
|---|----------------------------------|---|--|---|-------------------------------------|---|-------------------------------------|---|-----------------------------|--|-----------------------------------|---|--|
|  | Existing habitats to be retained |  | Proposed hedgerow - essential mitigation |  | Proposed amenity grassland |  | Swale/Marginal planting / wetland |  | Proposed Temporary Boundary |  | Anti reflective fencing |  | Proposed shrub - ecological mitigation |
|  | Existing hedgerow to be retained |  | Proposed hedgerow - by agreement |  | Proposed conservation grassland |  | Proposed Permanent Highway Boundary |  | Noise barrier |  | Essential mitigation - earth bund | | |
|  | Proposed woodland |  | Proposed 'Coronation Avenue' trees |  | Grass verge / central reservations |  | Vehicle Restraint Sytem |  | 2m Proposed Fence | | | | |
|  | Woodland Creation Area |  | Proposed individual trees |  | Arable field margins |  | Proposed Great Crested Newt Pond | | | | | | |
|  | Existing running water |  | Existing waterbodies |  | Proposed amended earthwork contours | | | | | | | | |

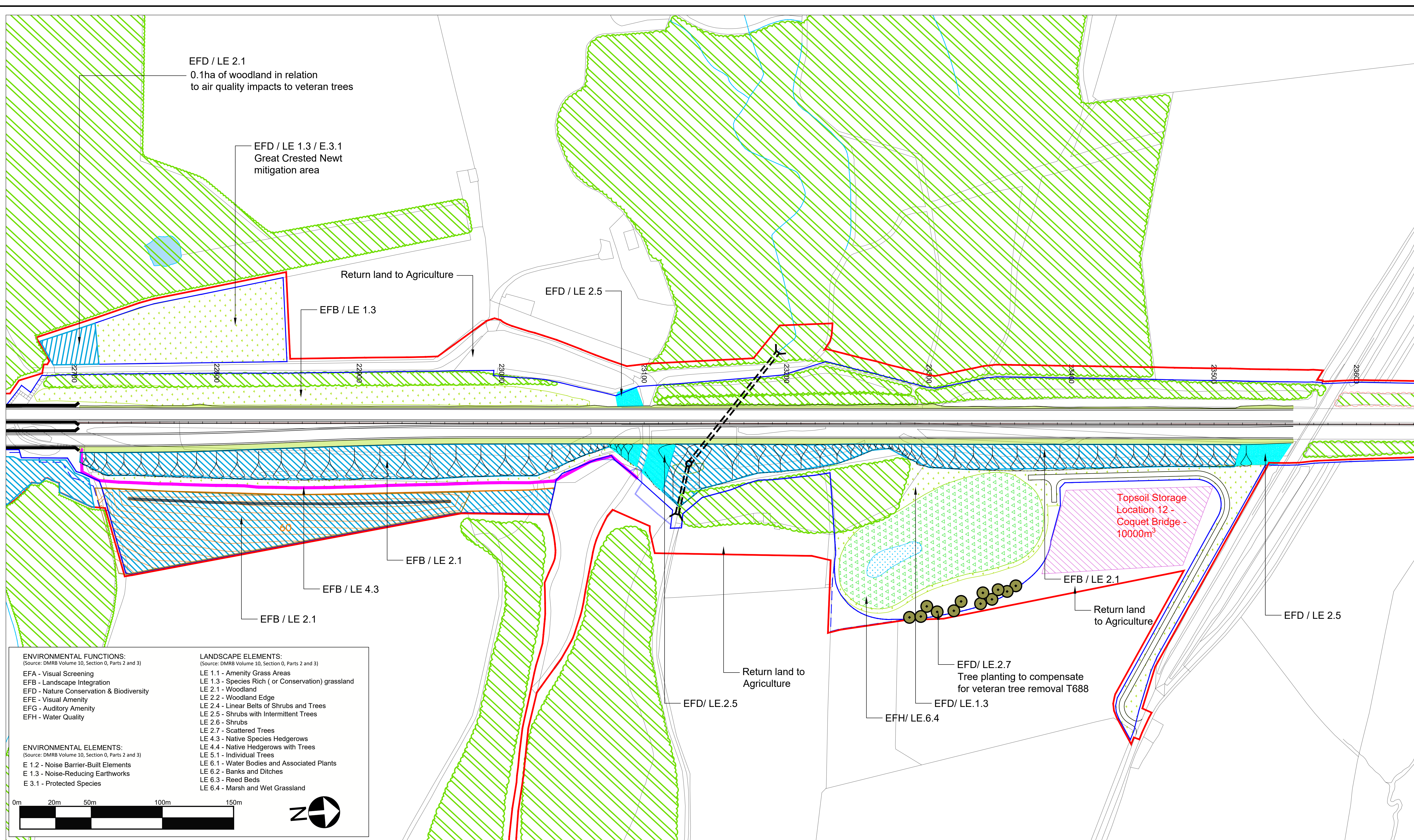
10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW	
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW	
7	29.08.2019	Update to Key	GH	AW	NM	
6	05.06.2019	Update to landscape hatches	CM	CH	NM	
5	25.03.2019	Update to Key	CL	CH		
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3	19.03.2019	Update to landscape hatches	CL	CH		
2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description	By	Eng	Disc	App
Rev.	Date	Description	By	Eng'	Disc'	App'

Sustainability	For Information
Client	

Status	S1	Project Title A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM				
		Drawing Title Figure 7.8 - Landscape Mitigation Masterplan SHEET 15 OF 19				
		Scale 1:1250	Drawn NB	Eng. Check AW	Approved AW	Authorised DM
		Original Size A1	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021	Date 02.02.2021
		Drawing Number Project HE551459		Originator WSP M2F		Volume 6.2
					Revision P10 PW Stage Code	

DO NOT SCALE

100
0 10
Millimetres



ENVIRONMENTAL FUNCTIONS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
EFE - Visual Amenity
EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:

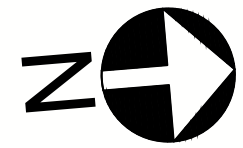
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

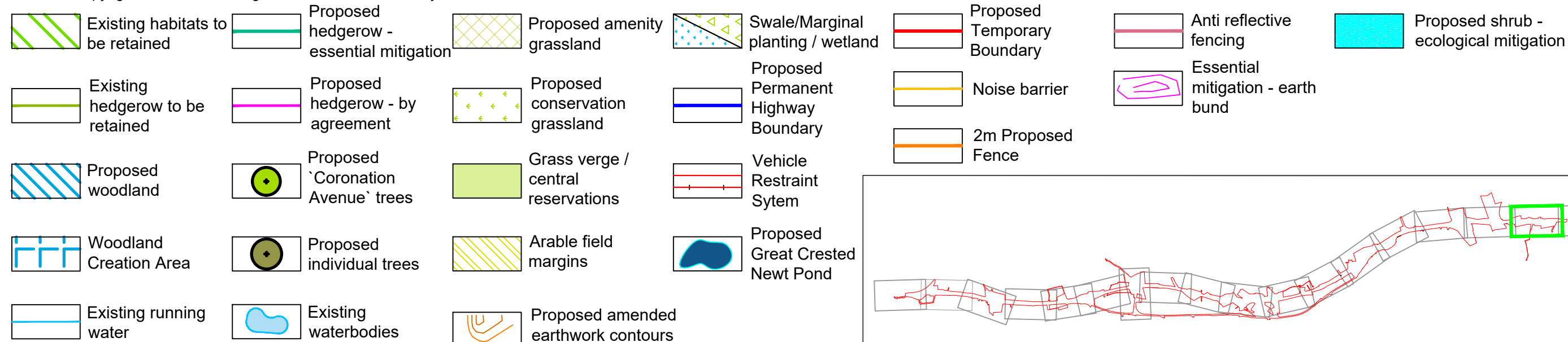
LANDSCAPE ELEMENTS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
LE 1.3 - Species Rich (or Conservation) grassland
LE 2.1 - Woodland
LE 2.2 - Woodland Edge
LE 2.4 - Linear Belts of Shrubs and Trees
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LE 2.6 - Shrubs
LE 2.7 - Scattered Trees
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LE 4.4 - Native Hedgerows with Trees
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LE 6.2 - Banks and Ditches
LE 6.3 - Reed Beds
LE 6.4 - Marsh and Wet Grassland



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10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		Client
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW		
7	29.08.2019	Update to Key	GH	AW	NM		
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2	14.03.2019	Changes to Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	



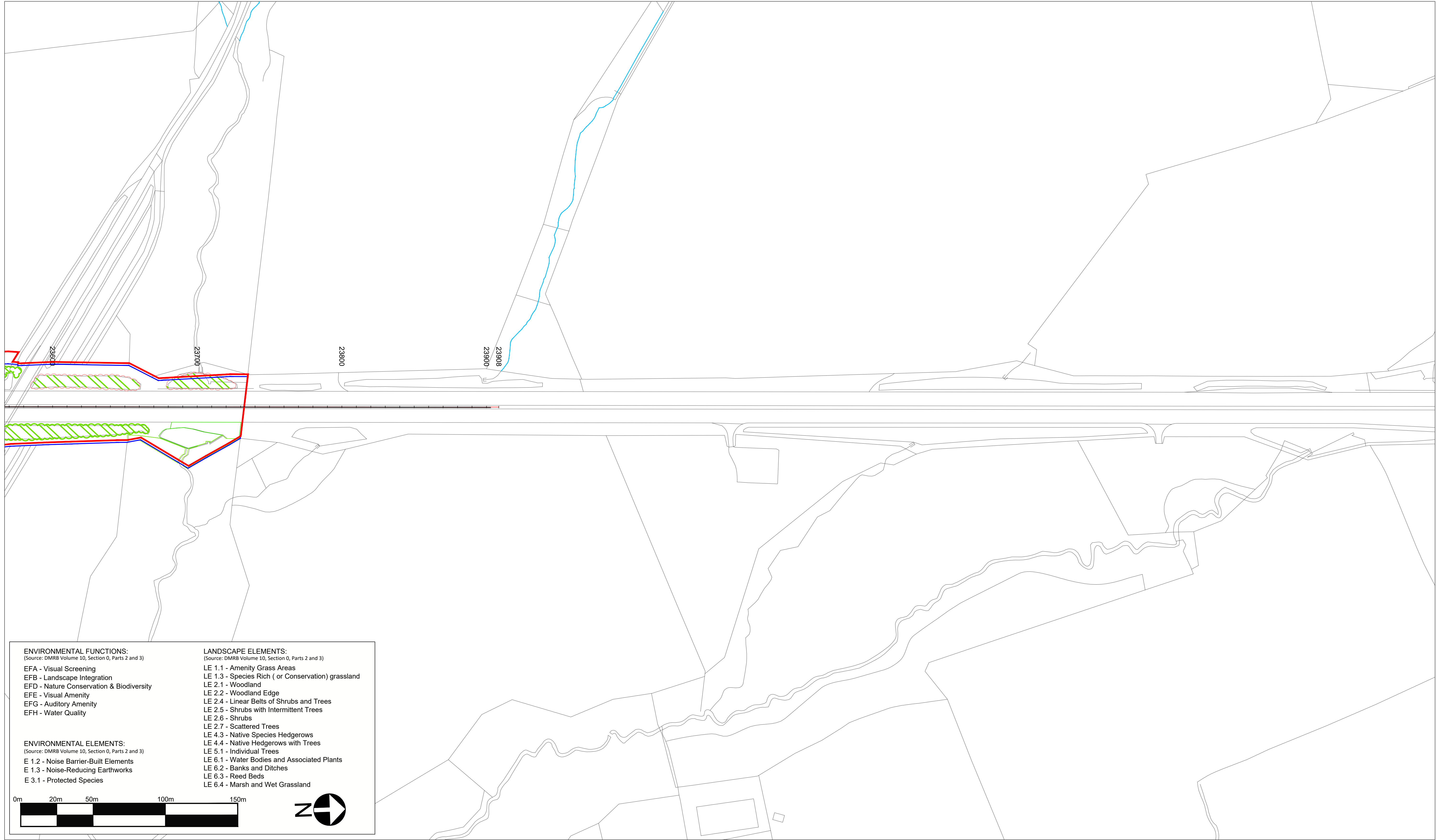
For Information

S1

Project Title	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM				
Drawing Title	Figure 7.8 - Landscape Mitigation Masterplan SHEET 17 OF 19				
Scale	1:1250	Drawn	NB	Eng. Check	AW
Original Size	A1	Date	02.02.2021	Date	02.02.2021
Drawing Number	HE551459	Originator	WSP	Volume	6.2
Project					
Section	Type	ID	Direction	Type	Role
					Number
					P10
					PW Stage Code

DO NOT SCALE

0 10 100
Millimetres



ENVIRONMENTAL FUNCTIONS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

EFA - Visual Screening
EFB - Landscape Integration
EFD - Nature Conservation & Biodiversity
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EFG - Auditory Amenity
EFH - Water Quality

ENVIRONMENTAL ELEMENTS:

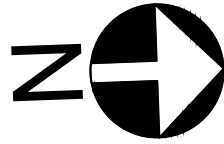
(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

E 1.2 - Noise Barrier-Built Elements
E 1.3 - Noise-Reducing Earthworks
E 3.1 - Protected Species

LANDSCAPE ELEMENTS:

(Source: DMRB Volume 10, Section 0, Parts 2 and 3)

LE 1.1 - Amenity Grass Areas
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Existing habitats to be retained	Proposed hedgerow - essential mitigation	Proposed amenity grassland	Swale/Marginal planting / wetland
Existing hedgerow to be retained	Proposed hedgerow - by agreement	Proposed conservation grassland	Proposed Permanent Highway Boundary
Proposed woodland	Proposed 'Coronation Avenue' trees	Grass verge / central reservations	Vehicle Restraint Sytem
Woodland Creation Area	Proposed individual trees	Arable field margins	Proposed Great Crested Newt Pond
Existing running water	Existing waterbodies	Proposed amended earthwork contours	



10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW	
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW	
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6	05.06.2019	Update to landscape hatches	CM	CH	NM	
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2	14.03.2019	Changes to Temporary Boundary	FS	CH		
1	rv date	Rev 1 description	By	Eng	Disc	
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd

For Information	Status	Project Title
	S1	A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM
Client		Drawing Title
		Figure 7.8 - Landscape Mitigation Masterplan SHEET 18 OF 19
		Scale
		1:1250
		Drawn
		NB
		Eng. Check
		AW
		Approved
		AW
		Authorised
		DM
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		Date
		02.02.2021
		Date
		02.02.2021
		Date
		02.02.2021
		Date
		02.02.2021
		Drawing Number
		HE551459
		Project
		WSP
		Originator
		M2F
		Volume
		6.2
		Revision
		P10
		PW Stage Code
		Section
		Type
		ID
		Direction
		Type
		Role
		Number

Indicative Grassland Seed Mixes	
Botanical Name	Common Name
Landscape Element	Discription
LE 1.1	Amenity Grass Areas
LE 1.3	Species Rich (or Conservation) grassland
LE 1.3	Species Rich (or Conservation) grassland Arable Field Margins
LE 1.3	Species Rich (or Conservation) grassland Ancient Woodland - understory
LE 1.3	Species Rich (or Conservation) grassland verges / junctions
LE 6.3	Marsh an Wet Grassland
Seed mixes based on those supplied by Germinal Seeds.	

Indicative Native Hedgerow Mix		
Botanical Name	Common Name	% Mix
<i>Prunus spinosa</i>	Blackthorn	30
<i>Sambucus nigra</i>	Elder	5
<i>Crataegus monogyna</i>	Haw thorn	40
<i>Corylus avellana</i>	Hazel	10
<i>Ilex aquifolium</i>	Holly	7.5
<i>Rosa arvensis</i>	Field Rose	5
<i>Lonicera periclymenum</i>	Honeysuckle	2.5
<i>Prunus padus</i>	Bird Cherry	
<i>Quercus robur</i>	Common Oak	
<i>Sorbus aucuparia</i>	Row an	
Total		100%

Indicative Ancient Woodland Replacement Mix		
Botanical Name	Common Name	% Mix
<i>Aesculus hippocastanum</i>	Horse Chestnut	5
<i>Fagus sylvatica</i>	Beech	15
<i>Quercus petraea</i>	Sessile Oak	10
<i>Quercus robur</i>	Common Oak	10
<i>Sorbus aucuparia</i>	Row an	10
<i>Betula pendula</i>	Silver Birch	10
<i>Acer campestre</i>	Field Maple	7.5
<i>Sambucus nigra</i>	Elder	5
<i>Prunus avium</i>	Gean Cherry	7.5
<i>Viburnum opulus</i>	Guelder Rose	5
<i>Ilex aquifolium</i>	Holly	5
<i>Corylus avellana</i>	Hazel	10
Total		100%

Indicative Shrubs & Shrubs with Intermittent Trees Mix		
Botanical Name	Common Name	% Mix
Shrubs		
<i>Prunus spinosa</i>	Blackthorn	20
<i>Sambucus nigra</i>	Elder	15
<i>Rosa canina</i>	Dog Rose	15
<i>Acer campestre</i>	Field Maple	20
<i>Corylus avellana</i>	Hazel	30
Feathered Trees		
<i>Prunus padus</i>	Bird Cherry	
<i>Quercus robur</i>	Common Oak	
<i>Sorbus aucuparia</i>	Row an	
Total		100%

Indicative Woodland Block Planting Mix		
Botanical Name	Common Name	% Mix
<i>Fagus sylvatica</i>	Beech	10
<i>Quercus robur</i>	Common Oak	20
<i>Sorbus aucuparia</i>	Row an	10
<i>Betula pendula</i>	Silver Birch	10
<i>Acer campestre</i>	Field Maple	7.5
<i>Sambucus nigra</i>	Elder	5
<i>Prunus avium</i>	Gean Cherry	7.5
<i>Viburnum opulus</i>	Guelder Rose	5
<i>Ilex aquifolium</i>	Holly	5
<i>Corylus avellana</i>	Hazel	10
<i>Tilia platyphyllos</i>	Large Leaved Lime	10
Total		100%

10	02.06.2021	Additional woodland and scattered trees added	NB	AW	KS	DM	Suitability
9	11.03.2021	Amendments to mitigation strategy	NB	AW	AW		
8	02.02.2021	Amendments to mitigation strategy	NB	AW	AW		
7	29.08.2019	Update to Key	GH	AW	NM		
6	05.06.2019	Update to landscape hatches	CM	CH	NM		
5	25.03.2019	Update to Key	CL	CH			
4	21.03.2019	Update to highways layout	CL	CH			
3	19.03.2019	Update to landscape hatches	CL	CH			
2	14.03.2019	Changes to Temporary Boundary	FS	CH			
1	rv date	Rev 1 description	By	Eng	Disc		
Rev.	Date	Description	By	Eng' Chk	Disc' Chk	App'd	

Suitability		Status		Project Title									
For Information		S1		A1 IN NORTHUMBERLAND: MORPETH TO ELLINGHAM									
Client 				Drawing Title									
				Figure 7.8 - Landscape Mitigation Masterplan SHEET 19 OF 19									
				Scale		Drawn		Eng. Check		Approved		Authorised	
				1:1250		NB		AW		AW		DM	
				Original Size		Date		Date		Date		Date	
A1		02.02.2021		02.02.2021		02.02.2021		02.02.2021					
Drawing Number				Originator		Volume		Revision					
Project				WSP		ES		P10					
HE551459				M2F				PW Stage Code					
Section		Type		ID		Type		Role		Number			

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